

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060014.D
 Acq On : 17 Sep 2018 11:52
 Operator : JC/SY
 Sample : VD0917SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Manual Integrations
 APPROVED

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 9/18/2018 12:17:06 PM

Quant Time: Sep 17 14:31:12 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	1645384	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	2272075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1840852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	981703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	641122	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	6.31	113	869747	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	9.45	98	2426259	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.42	95	892094	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	309549	17.82	ug/l	97
3) Chloromethane	1.74	50	325250	21.20	ug/l	97
4) Vinyl Chloride	1.84	62	250536	20.31	ug/l	97
5) Bromomethane	2.13	94	20019	13.71	ug/l	97
6) Chloroethane	2.23	64	62096	22.52	ug/l	92
7) Trichlorofluoromethane	2.49	101	293922	21.65	ug/l	99
8) Diethyl Ether	2.82	74	58759	20.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	181901	21.24	ug/l	98
10) Methyl Iodide	3.23	142	164726	18.16	ug/l	95
11) Tert butyl alcohol	3.97	59	83532	80.68	ug/l	97
12) 1,1-Dichloroethene	3.05	96	146970	21.71	ug/l	96
13) Acrolein	2.96	56	57180	89.18	ug/l	97
14) Allyl chloride	3.52	41	289402	20.27	ug/l	98
15) Acrylonitrile	4.07	53	358376	91.70	ug/l	98
16) Acetone	3.14	43	252785	102.04	ug/l	98
17) Carbon Disulfide	3.30	76	474641	20.35	ug/l	100
18) Methyl Acetate	3.53	43	96735	19.20	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	587617	18.79	ug/l	100
20) Methylene Chloride	3.70	84	412467	18.92	ug/l	100
21) trans-1,2-Dichloroethene	4.08	96	342527	19.28	ug/l	92
22) Diisopropyl ether	4.84	45	1290979	19.82	ug/l	98
23) Vinyl Acetate	4.78	43	3664355	99.32	ug/l	99
24) 1,1-Dichloroethane	4.74	63	578015	19.78	ug/l	99
25) 2-Butanone	5.61	43	669469	100.14	ug/l	99
26) 2,2-Dichloropropane	5.57	77	464541	20.44	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	367400	19.77	ug/l	100
28) Bromochloromethane	5.91	49	277911	19.78	ug/l	93
29) Tetrahydrofuran	5.94	42	320535	89.41	ug/l	100
30) Chloroform	6.08	83	580318	19.58	ug/l	97
31) Cyclohexane	6.36	56	542254	19.03	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	480226	19.54	ug/l	99
36) 1,1-Dichloropropene	6.52	75	440894	19.53	ug/l	98
37) Ethyl Acetate	5.68	43	299332	19.29	ug/l	99
38) Carbon Tetrachloride	6.49	117	403915	19.17	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	498930	19.54	ug/l	96
40) Benzene	6.78	78	1143481	19.88	ug/l	99
41) Methacrylonitrile	5.91	41	137275m	16.89	ug/l	
42) 1,2-Dichloroethane	6.88	62	327937	18.99	ug/l	100
43) Isopropyl Acetate	8.34	43	361641	17.40	ug/l #	99
44) Trichloroethene	7.73	130	343041	19.30	ug/l	98
45) 1,2-Dichloropropane	8.09	63	298970	19.44	ug/l	97
46) Dibromomethane	8.21	93	190594	18.99	ug/l	96
47) Bromodichloromethane	8.48	83	412162	19.05	ug/l	99
48) Methyl methacrylate	8.24	41	208246	17.99	ug/l	97
49) 1,4-Dioxane	8.22	88	37271	324.23	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1486291	96.50	ug/l	100
52) Toluene	9.54	92	736435	19.97	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	376766	18.67	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	468307	19.42	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	240655	18.80	ug/l	95
56) Ethyl methacrylate	10.03	69	258284	18.19	ug/l	98
57) 1,3-Dichloropropane	10.37	76	350472	18.55	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	681614	99.40	ug/l	97
59) 2-Hexanone	10.48	43	1077262	96.93	ug/l	97
60) Dibromochloromethane	10.64	129	290584	18.65	ug/l	99
61) 1,2-Dibromoethane	10.76	107	249176	18.85	ug/l	96
64) Tetrachloroethene	10.25	164	317323	19.54	ug/l	98
65) Chlorobenzene	11.31	112	782616	19.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	272282	20.40	ug/l	98
67) Ethyl Benzene	11.43	91	1359438	21.34	ug/l	99
68) m/p-Xylenes	11.56	106	1016757	43.22	ug/l	95
69) o-Xylene	11.93	106	488396	20.95	ug/l	95
70) Styrene	11.95	104	821171	20.95	ug/l	96
71) Bromoform	12.12	173	212392	18.52	ug/l	99
73) Isopropylbenzene	12.27	105	1313291	20.40	ug/l	99
74) N-amyl acetate	12.14	43	483111	18.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	272603	18.66	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	286905	19.14	ug/l	100
77) Bromobenzene	12.54	156	371111	20.01	ug/l	98
78) n-propylbenzene	12.64	91	1699161	20.99	ug/l	99
79) 2-Chlorotoluene	12.71	91	924093	20.22	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1065110	21.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	80032	17.68	ug/l	96
82) 4-Chlorotoluene	12.80	91	1089919	21.69	ug/l	99
83) tert-Butylbenzene	13.04	119	1178993	20.62	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	1076295	20.44	ug/l	100
85) sec-Butylbenzene	13.22	105	1376407	20.28	ug/l	98
86) p-Isopropyltoluene	13.34	119	1153649	21.02	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	679122	21.06	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	665519	20.34	ug/l	96
89) n-Butylbenzene	13.64	91	1182804	19.84	ug/l	96
90) Hexachloroethane	13.86	117	267709	19.69	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	575181	19.10	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37470	16.83	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)
93) 1,2,4-Trichlorobenzene	14.78	180	458804	19.96	ug/l	97
94) Hexachlorobutadiene	14.88	225	302598	19.90	ug/l	99
95) Naphthalene	14.97	128	641461	18.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	379179	18.72	ug/l	97

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

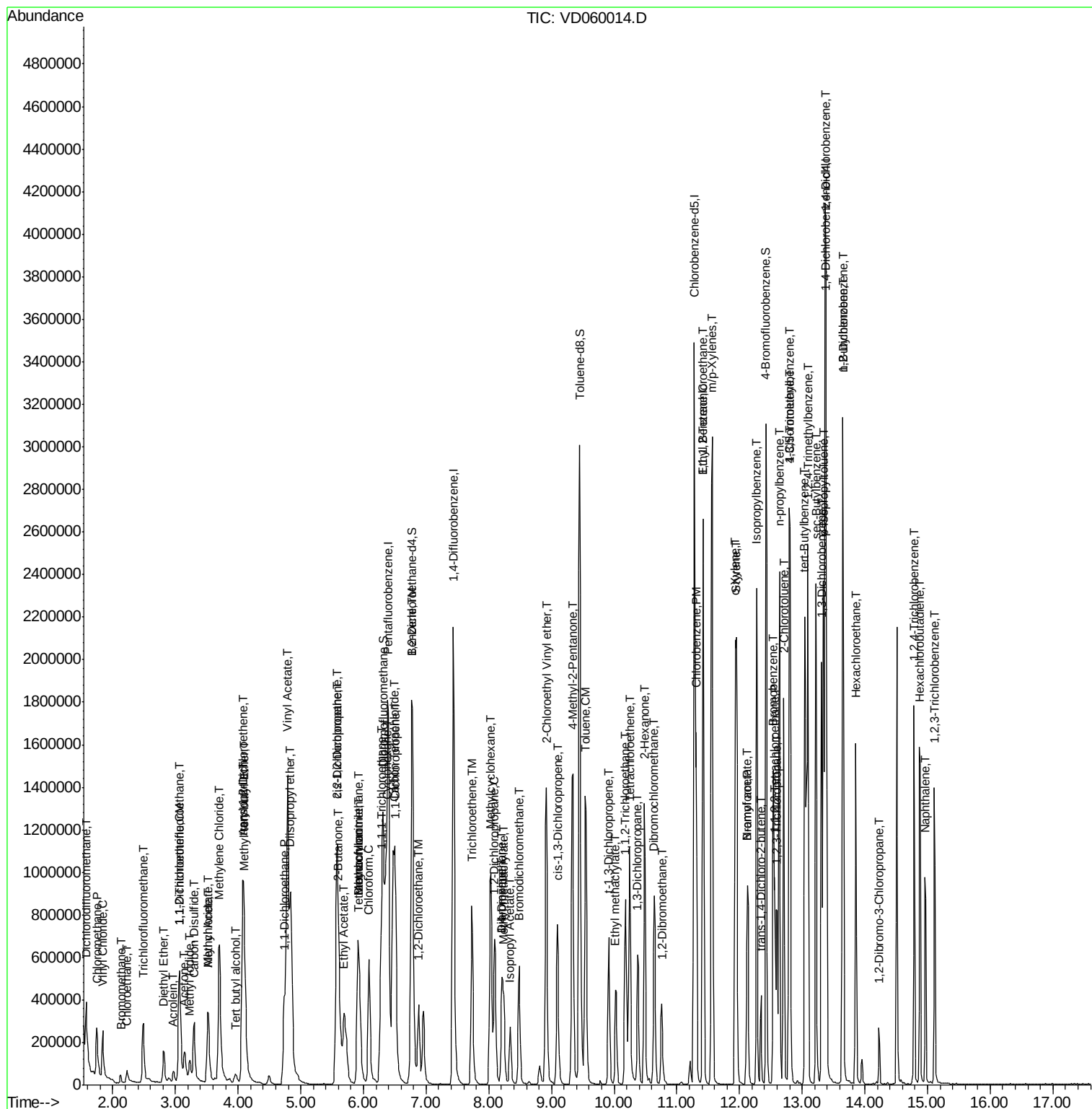
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091718\
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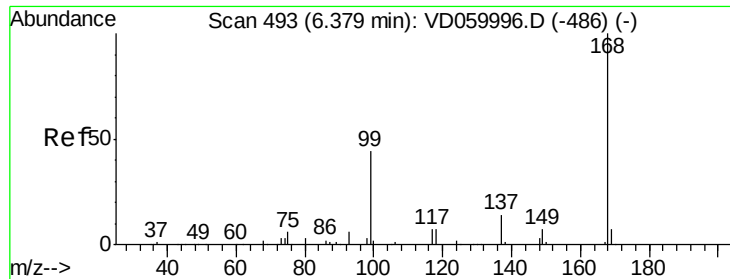
Instrument :
 MSVOA_D
 Client Sample ID :
 VD0917SBS01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tot Ion:168 Resp: 1645384

Ion Ratio Lower Upper

168 100

99 46.7 38.5 57.7

Instrument :

MSVOA_D

ClientSampleId :

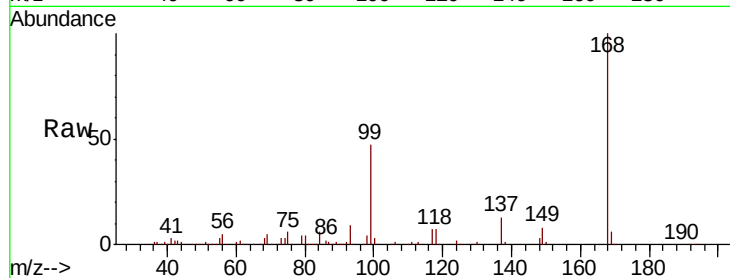
VD0917SBS01

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.40

600000

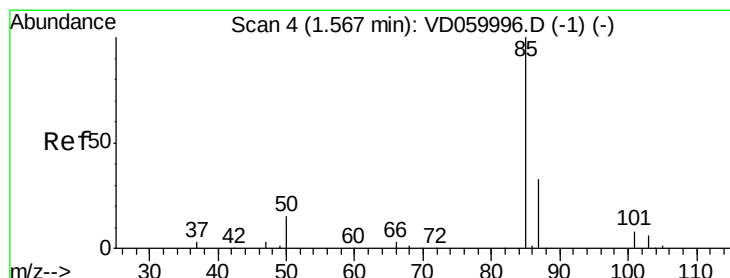
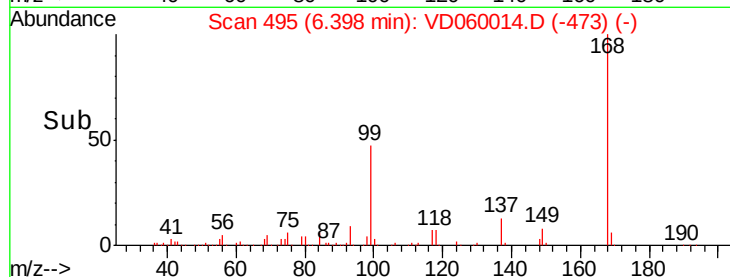
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.82 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060014.D

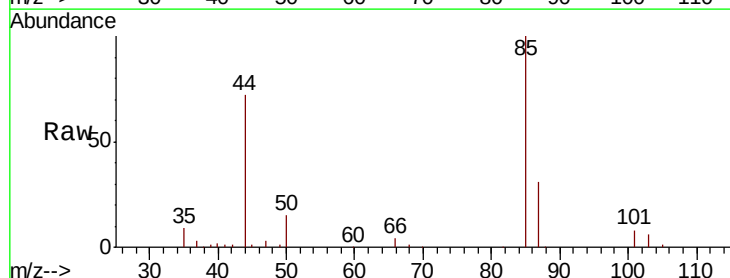
Acq: 17 Sep 2018 11:52

Tgt Ion: 85 Resp: 309549

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.58

150000

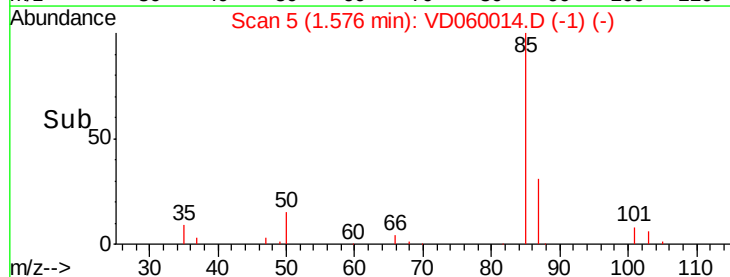
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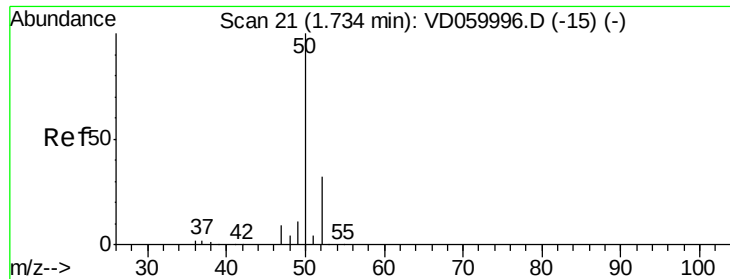
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.20 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 50 Resp: 325250

Ion Ratio Lower Upper

50 100

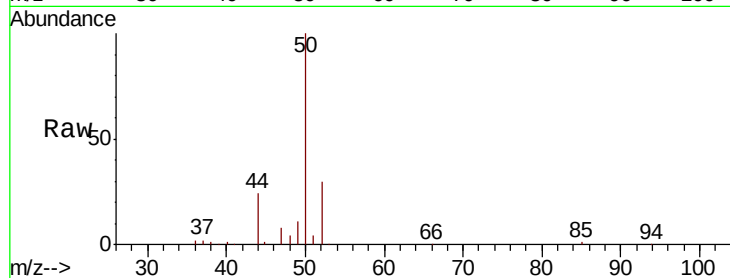
52 30.4 25.4 38.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

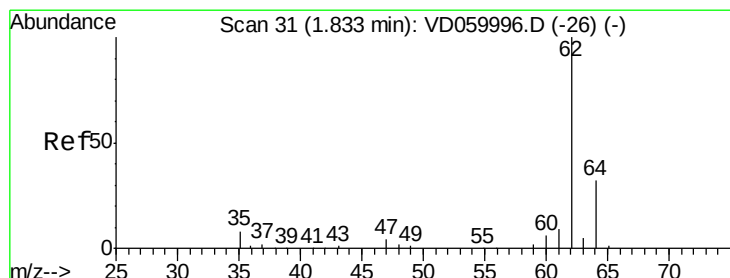
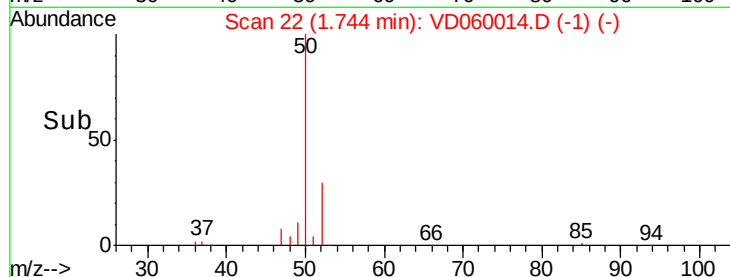
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.31 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060014.D

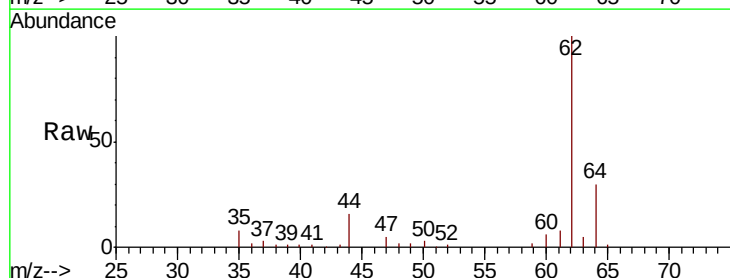
Acq: 17 Sep 2018 11:52

Tgt Ion: 62 Resp: 250536

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

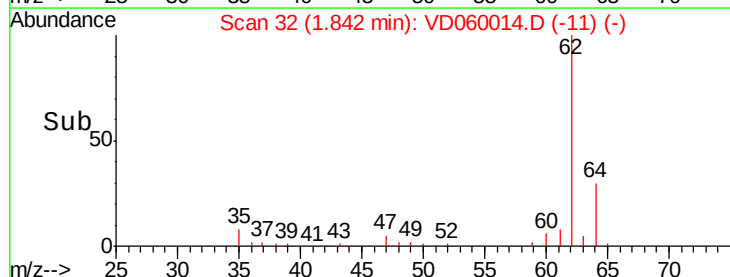
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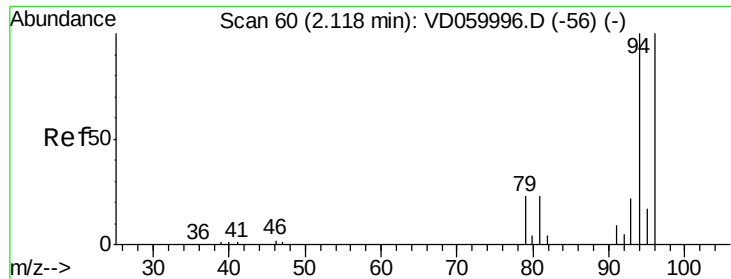
100000

50000

0

Time-->





#5

Bromomethane

Concen: 13.71 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 94 Resp: 20019

Ion Ratio Lower Upper

94 100

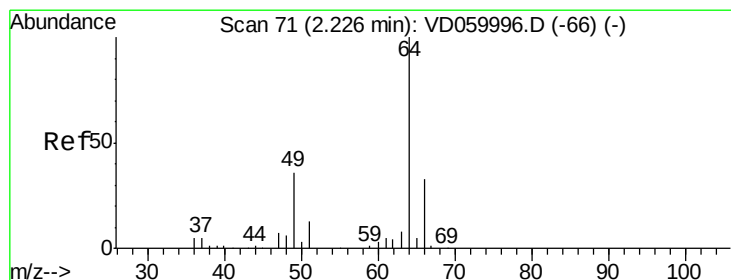
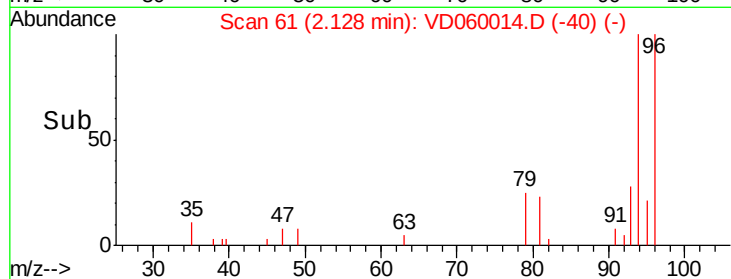
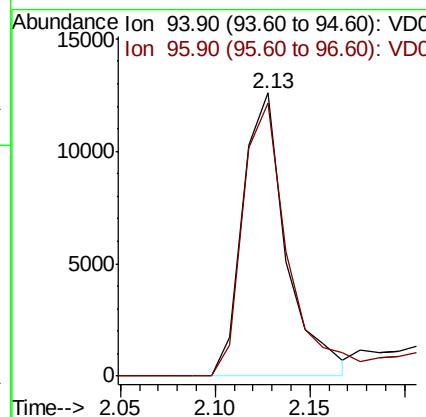
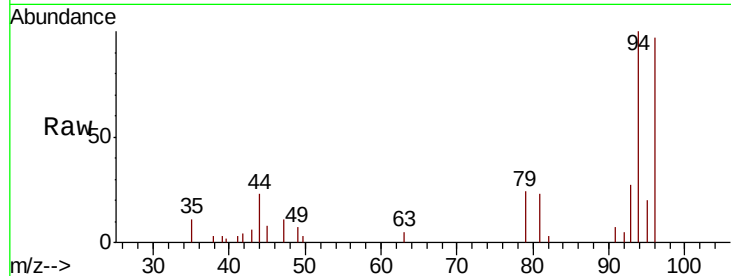
96 96.6 79.8 119.8

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#6

Chloroethane

Concen: 22.52 ug/l

RT: 2.23 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD060014.D

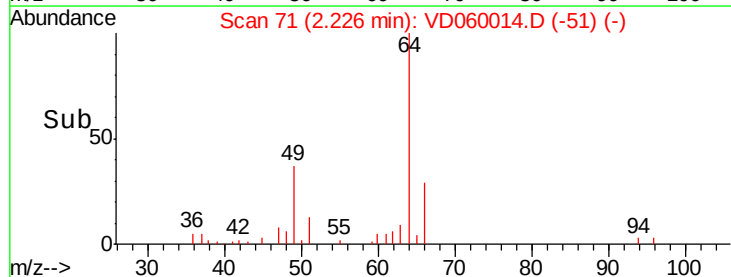
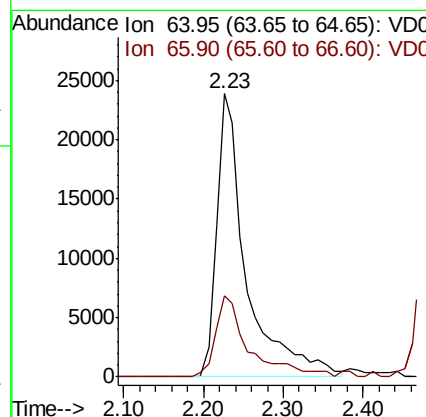
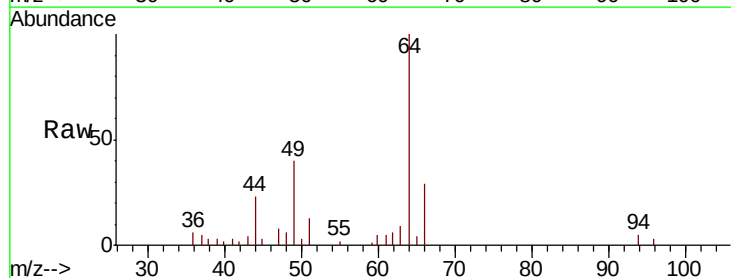
Acq: 17 Sep 2018 11:52

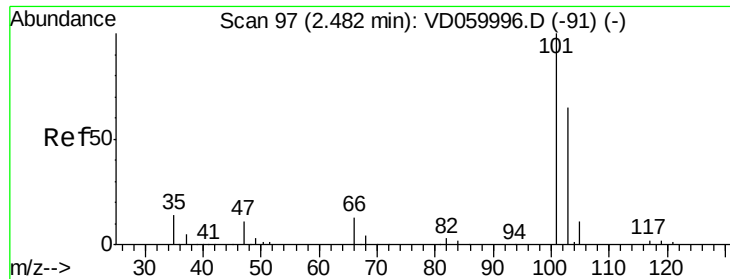
Tgt Ion: 64 Resp: 62096

Ion Ratio Lower Upper

64 100

66 28.8 26.5 39.7





#7

Trichlorofluoromethane

Concen: 21.65 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:101 Resp: 293922

Ion Ratio Lower Upper

101 100

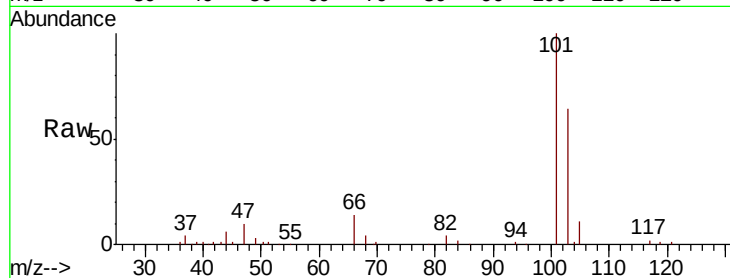
103 64.0 51.6 77.4

Manual Integrations

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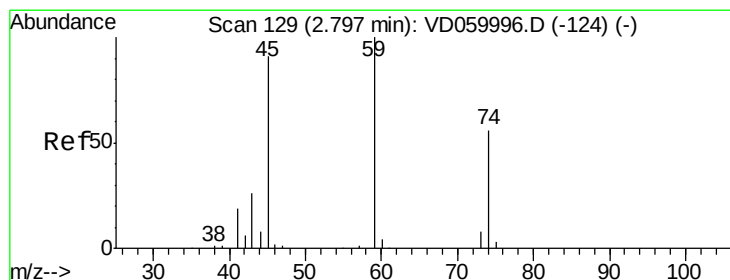
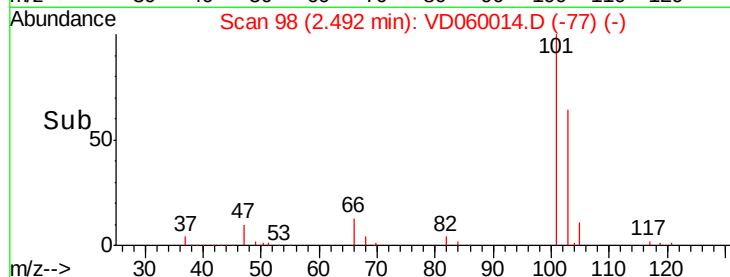
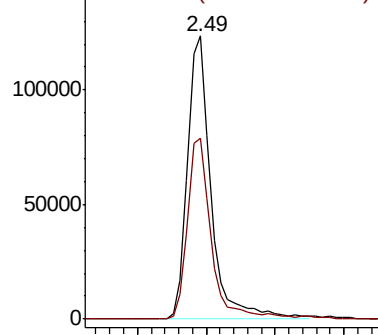
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 20.36 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD060014.D

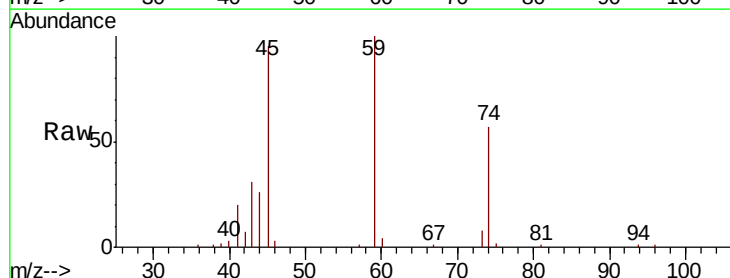
Acq: 17 Sep 2018 11:52

Tgt Ion: 74 Resp: 58759

Ion Ratio Lower Upper

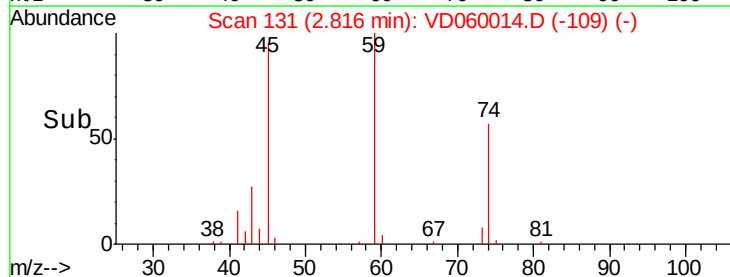
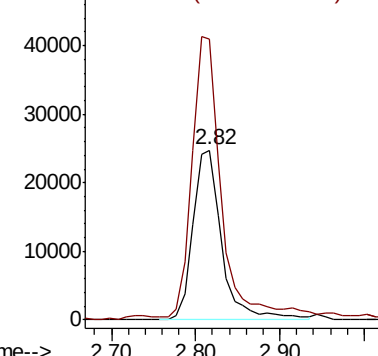
74 100

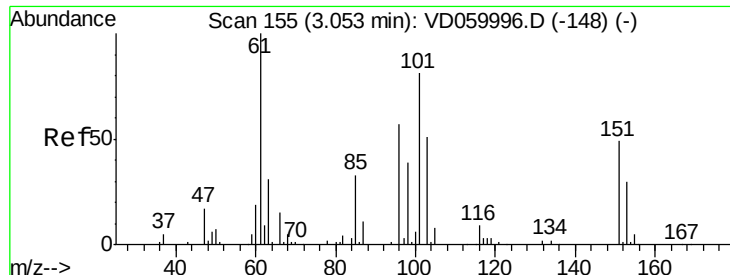
45 165.7 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.24 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060014.D

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MSVOA_D

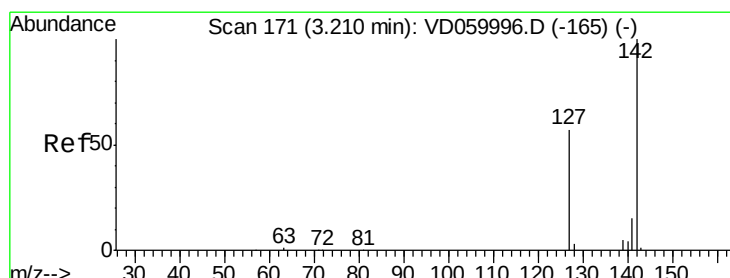
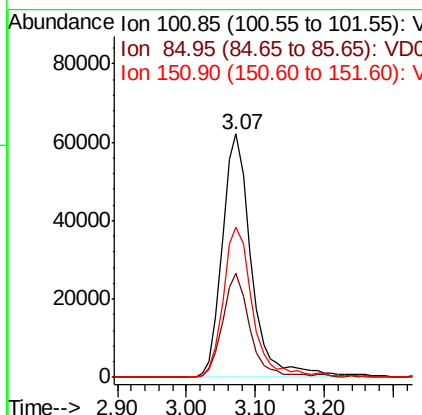
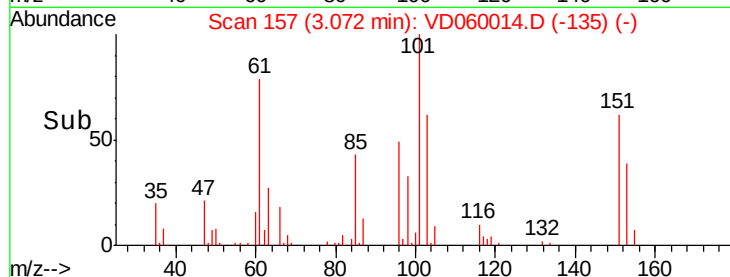
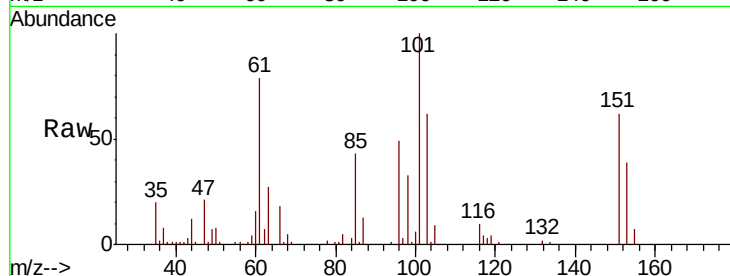
ClientSampleId :

VD0917SBS01

Tot Ion:	101	Resp:	181901
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.1	49.7
151	61.6	48.2	72.4

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#10

Methyl Iodide

Concen: 18.16 ug/l

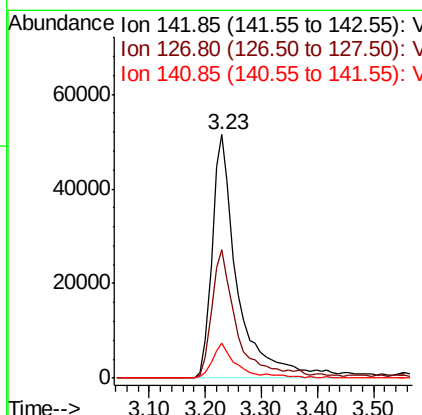
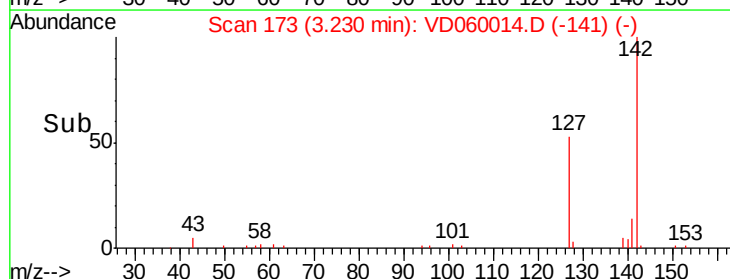
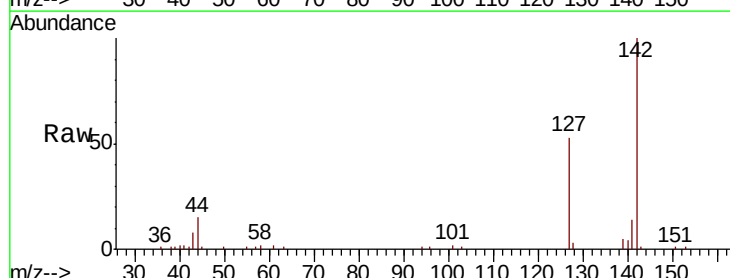
RT: 3.23 min Scan# 173

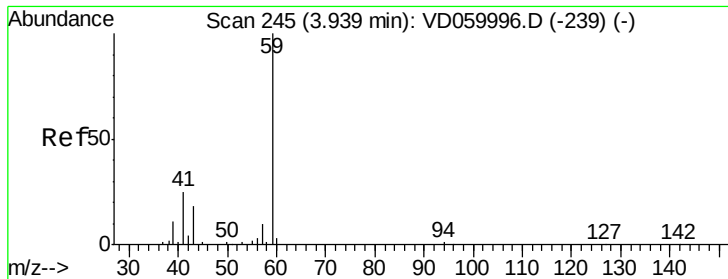
Delta R.T. 0.02 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tgt Ion:	142	Resp:	164726
Ion Ratio	Lower	Upper	
142	100		
127	52.7	45.8	68.8
141	14.3	12.2	18.4





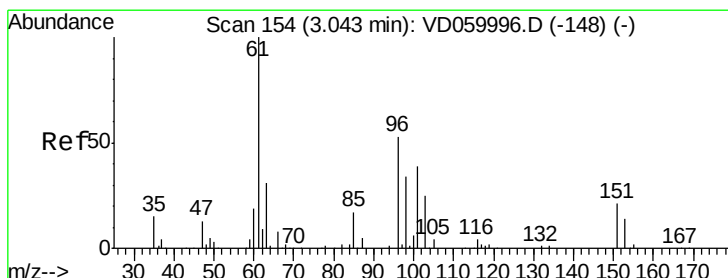
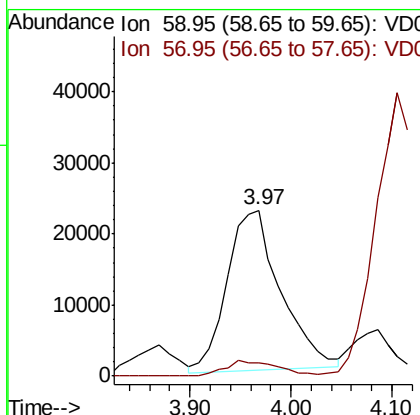
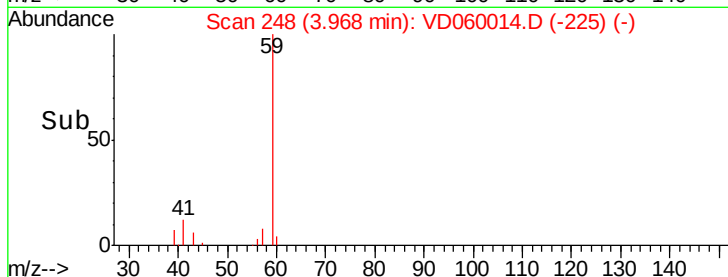
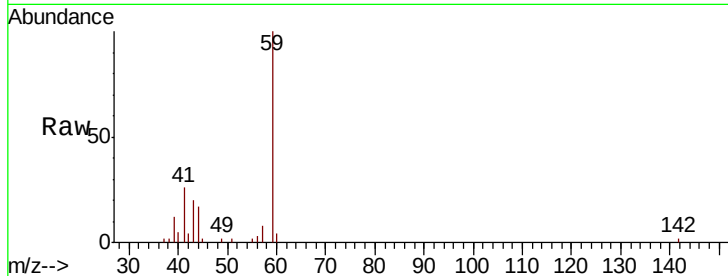
#11
Tert butyl alcohol
Concen: 80.68 ug/l
RT: 3.97 min Scan# 248
Delta R.T. 0.03 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	7.4	11.2

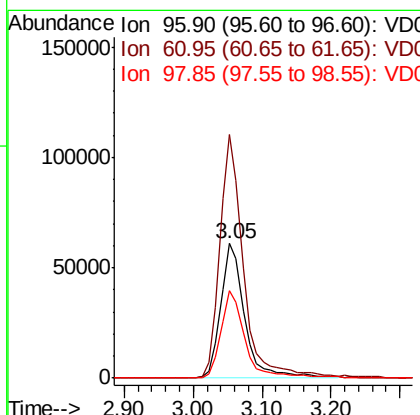
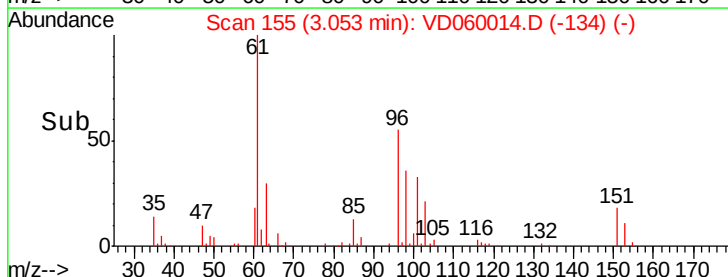
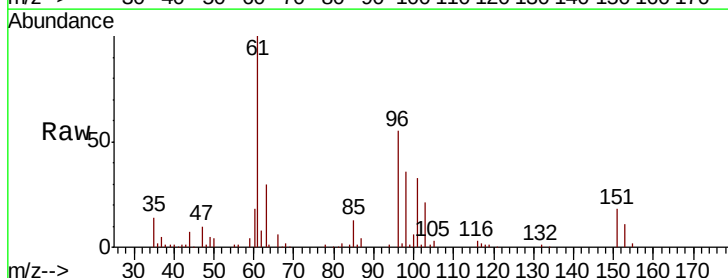
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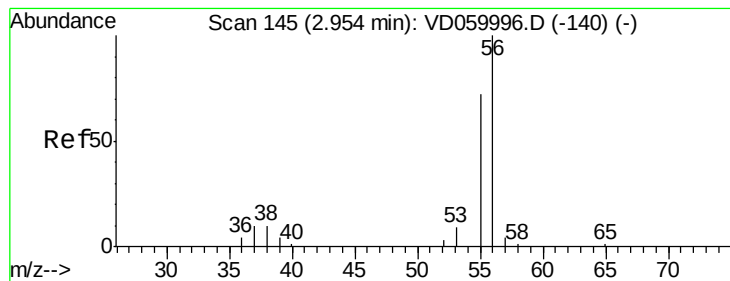
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#12
1,1-Dichloroethene
Concen: 21.71 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.4	149.8	224.6
98	65.4	50.2	75.4





#13

Acrolein

Concen: 89.18 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 56 Resp: 57180

Ion Ratio Lower Upper

56 100

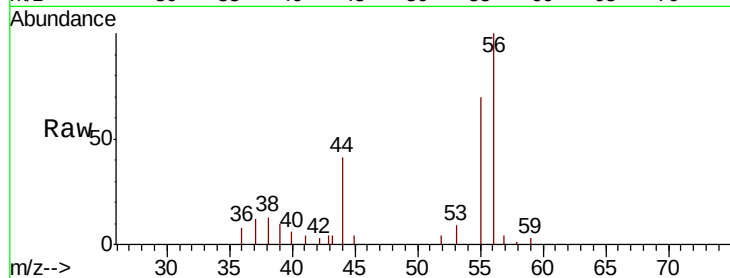
55 70.2 58.3 87.5

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

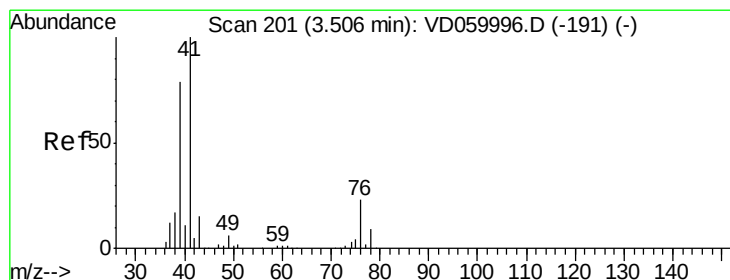
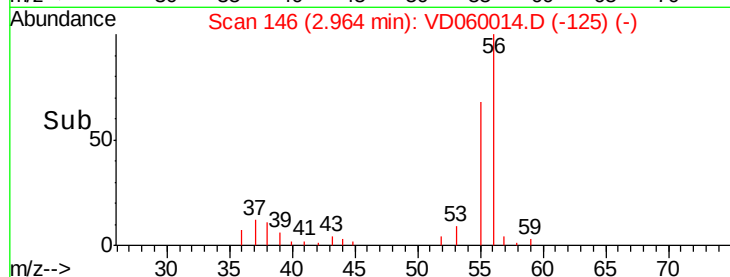
10000

5000

0

2.80 2.90 3.00 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 20.27 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

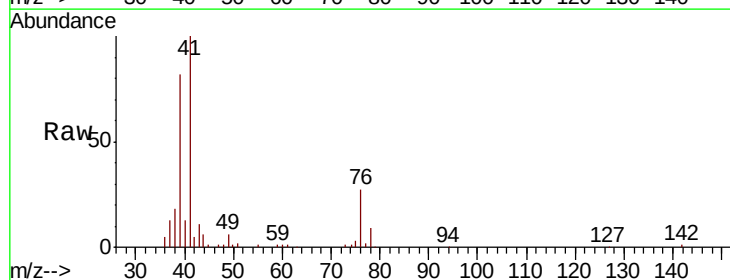
Tgt Ion: 41 Resp: 289402

Ion Ratio Lower Upper

41 100

39 81.9 63.6 95.4

76 27.2 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

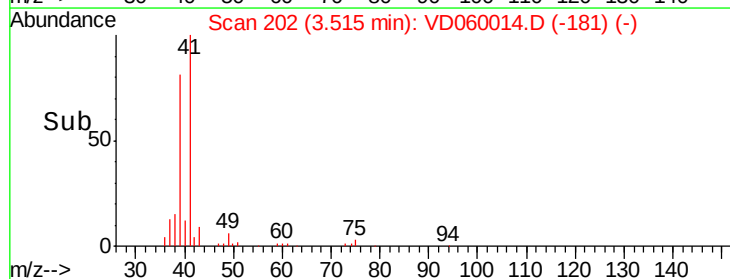
100000

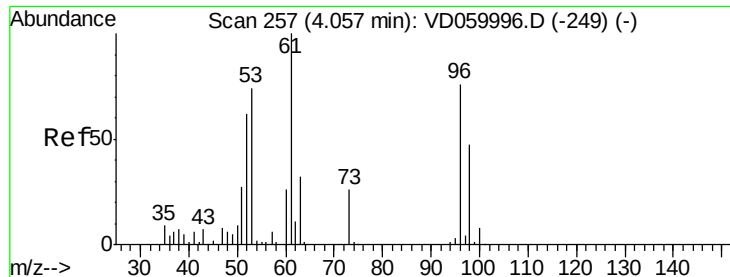
50000

0

3.40 3.50 3.60

Time-->





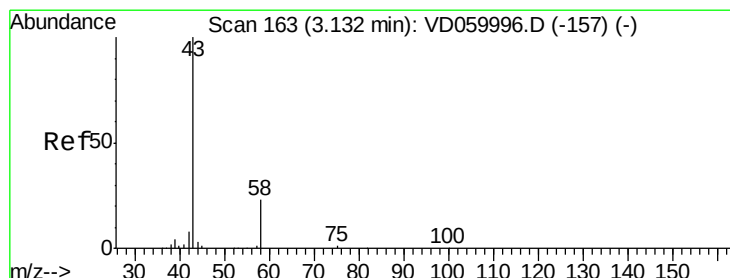
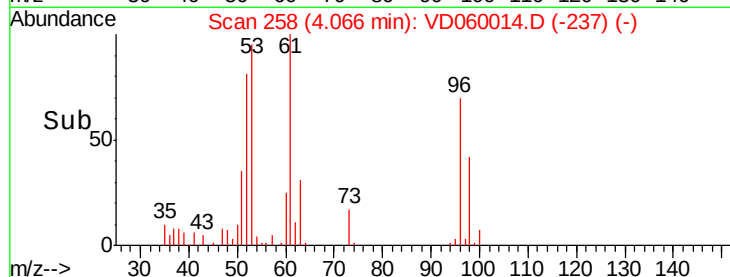
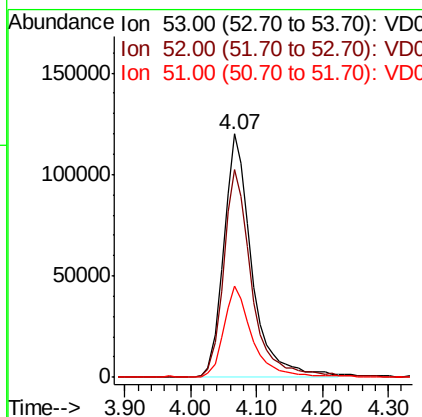
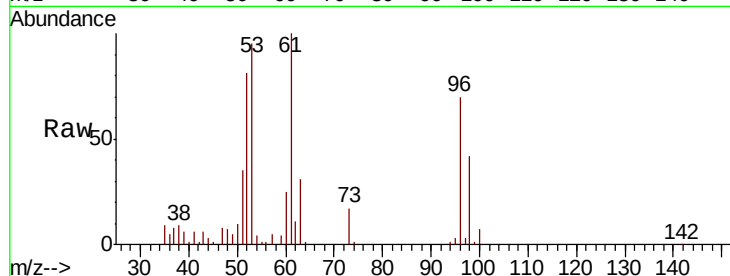
#15
 Acrylonitrile
 Concen: 91.70 ug/l
 RT: 4.07 min Scan# 258
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.7	100.1
51	37.4	29.0	43.6

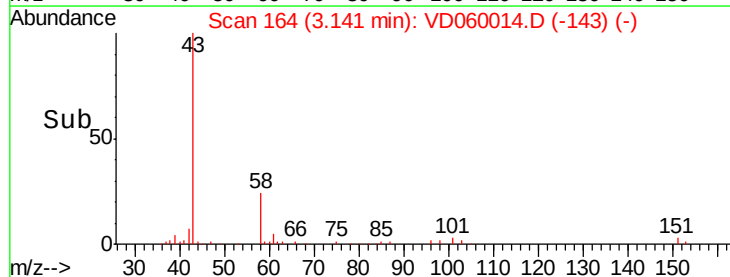
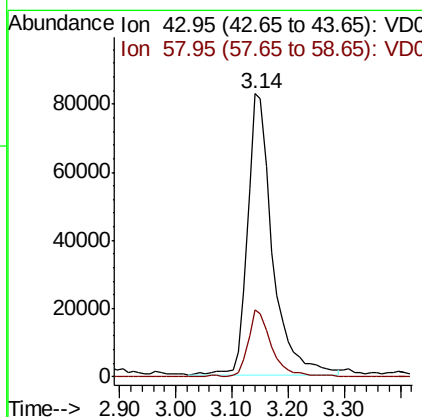
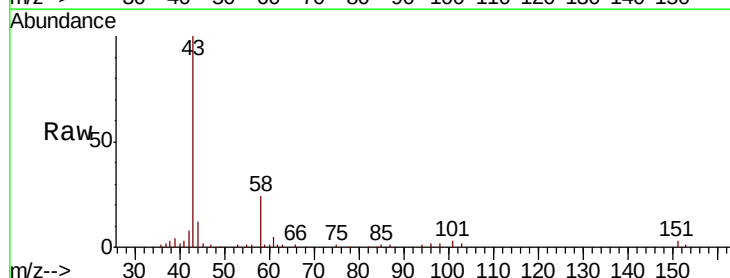
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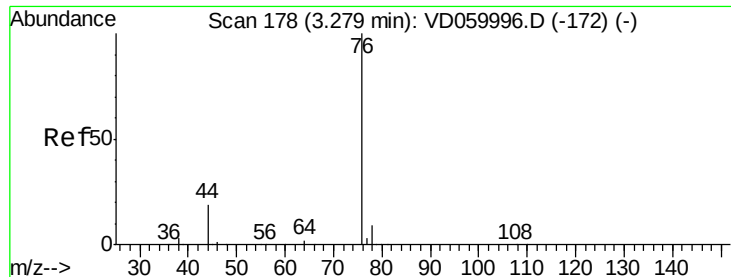
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#16
 Acetone
 Concen: 102.04 ug/l
 RT: 3.14 min Scan# 164
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.6	18.1	27.1





#17

Carbon Disulfide

Concen: 20.35 ug/l

RT: 3.30 min Scan# 180

Delta R.T. 0.02 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 76 Resp: 474641

Ion Ratio Lower Upper

76 100

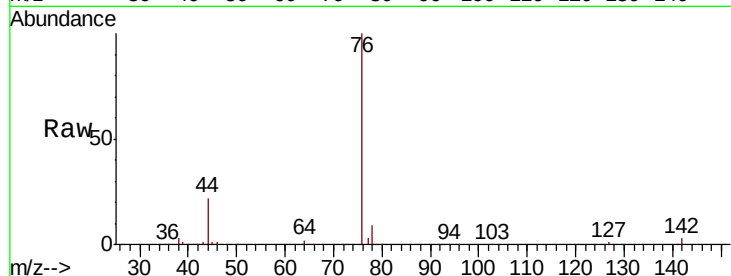
78 8.8 7.0 10.4

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

100000

50000

0

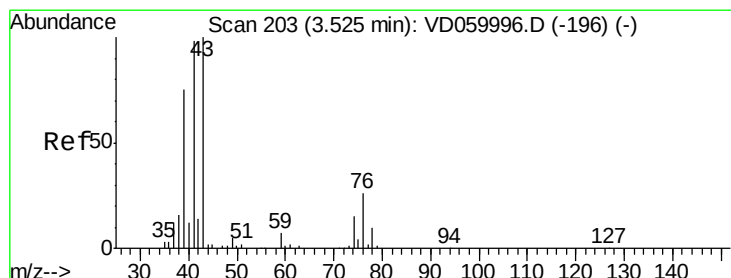
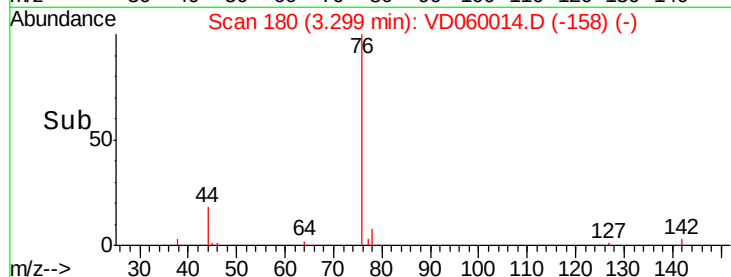
3.20

3.30

3.40

3.50

Time-->



#18

Methyl Acetate

Concen: 19.20 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060014.D

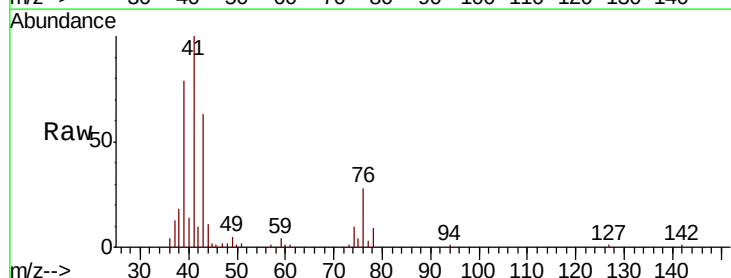
Acq: 17 Sep 2018 11:52

Tgt Ion: 43 Resp: 96735

Ion Ratio Lower Upper

43 100

74 15.6 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

20000

10000

0

3.45

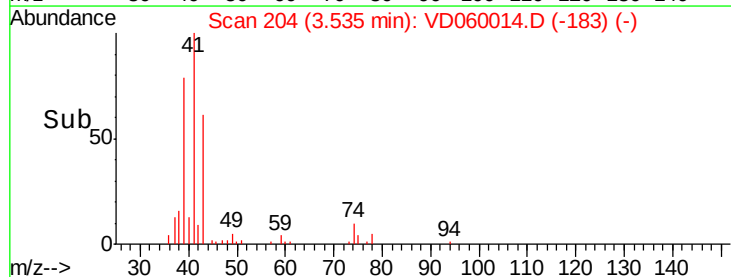
3.50

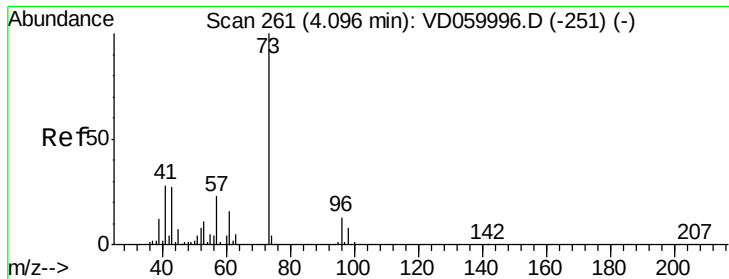
3.55

3.60

3.65

Time-->





#19

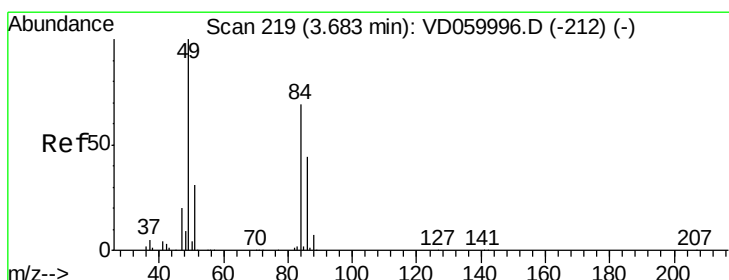
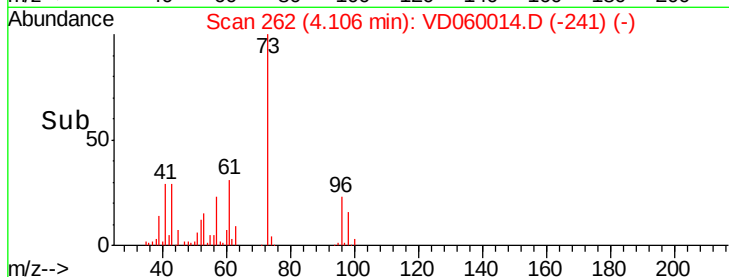
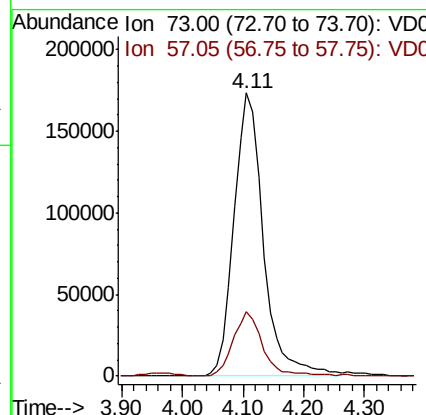
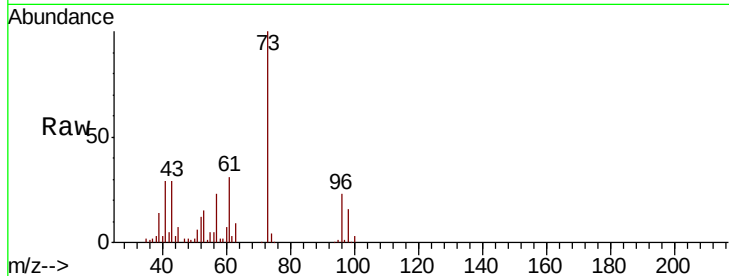
Methyl tert-butyl Ether
 Concen: 18.79 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.4	27.6

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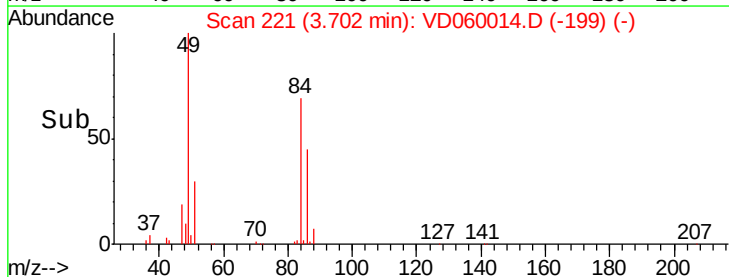
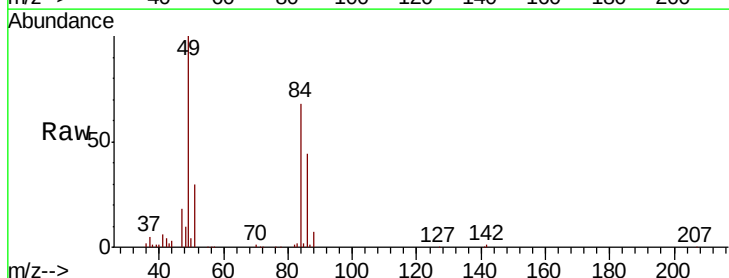
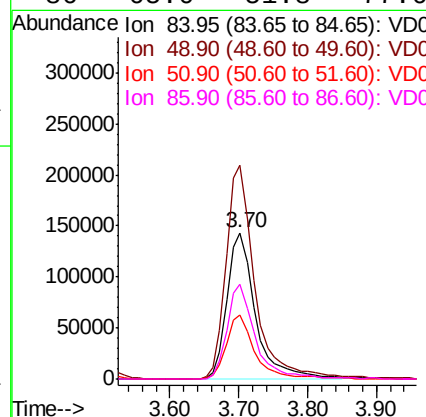
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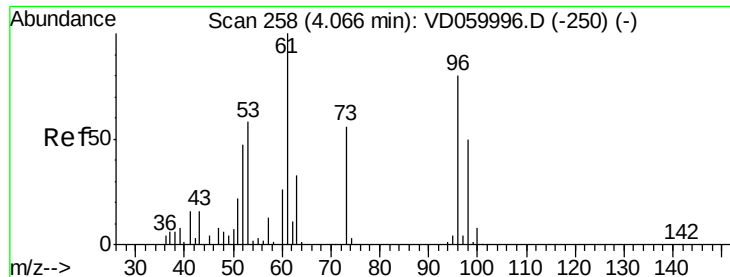


#20

Methylene Chloride
 Concen: 18.92 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.2	116.6	175.0
51	44.2	35.9	53.9
86	65.0	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 19.28 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 96 Resp: 342527

Ion Ratio Lower Upper

96 100

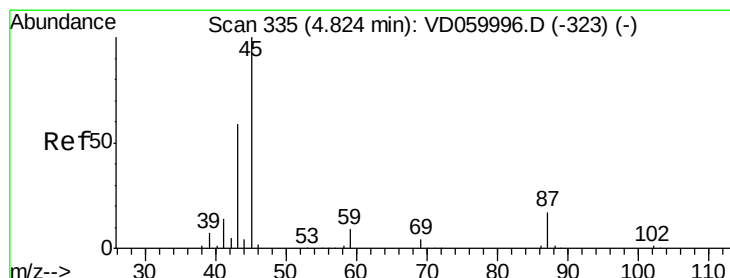
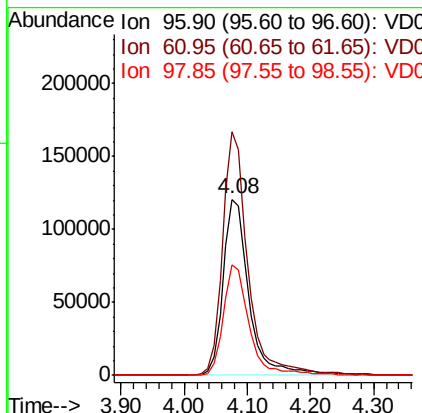
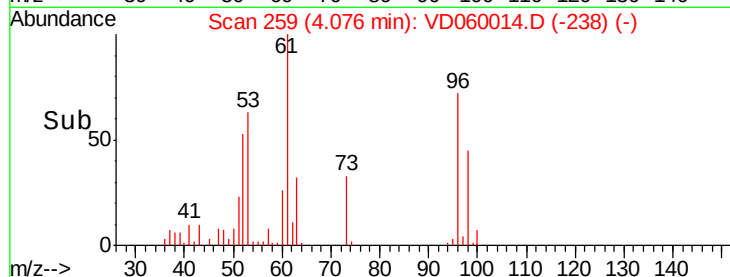
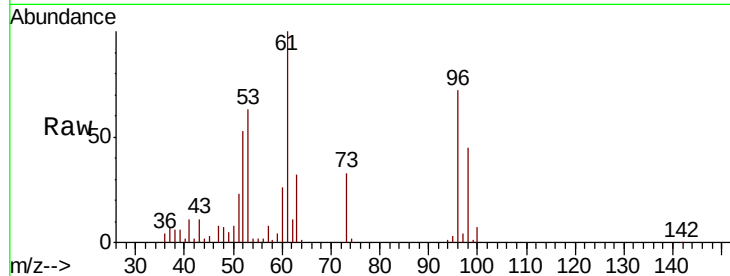
61 138.1 100.1 150.1

98 62.4 49.5 74.3

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#22

Diisopropyl ether

Concen: 19.82 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.02 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tgt Ion: 45 Resp: 1290979

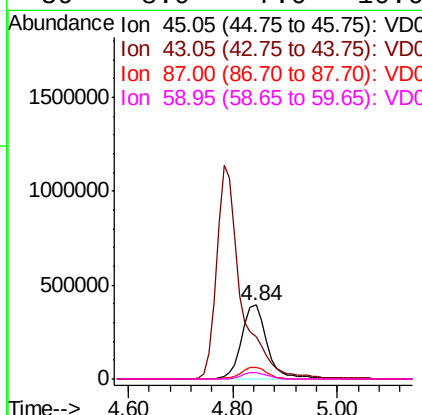
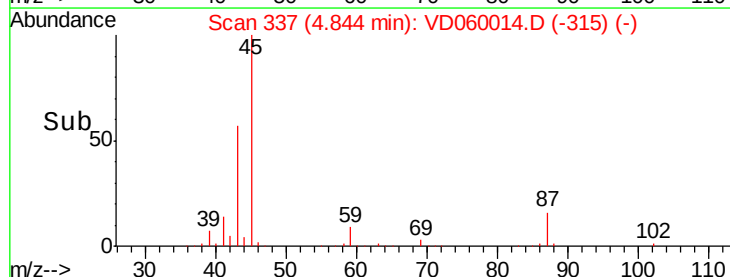
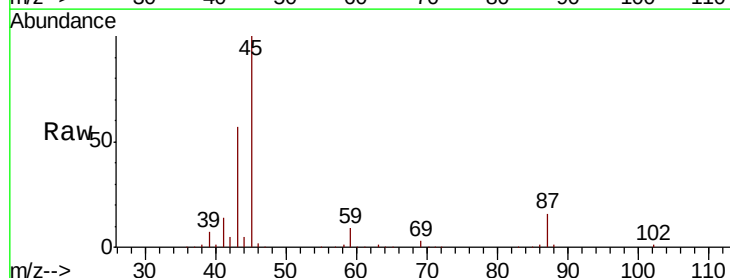
Ion Ratio Lower Upper

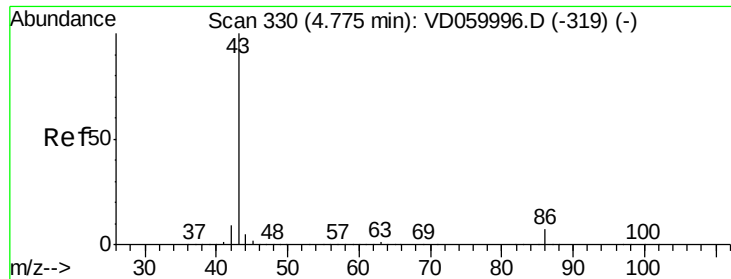
45 100

43 57.3 47.1 70.7

87 16.4 14.2 21.2

59 8.9 7.0 10.6





#23

Vinyl Acetate

Concen: 99.32 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 43 Resp: 3664355

Ion Ratio Lower Upper

43 100

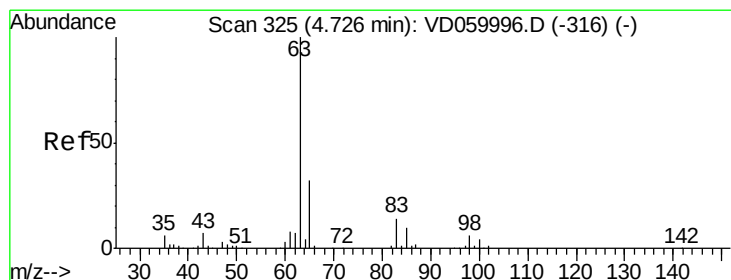
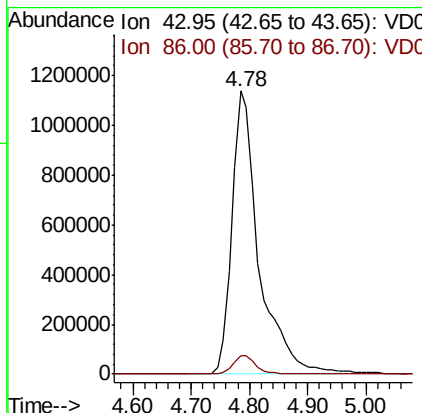
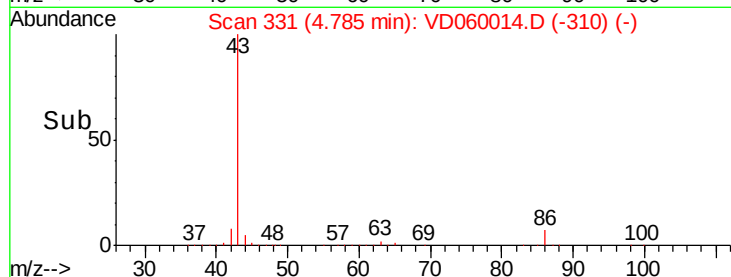
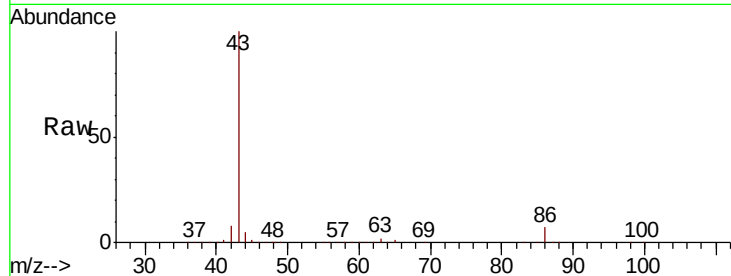
86 6.7 5.5 8.3

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#24

1,1-Dichloroethane

Concen: 19.78 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

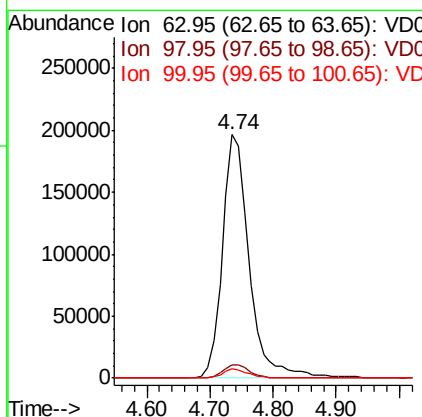
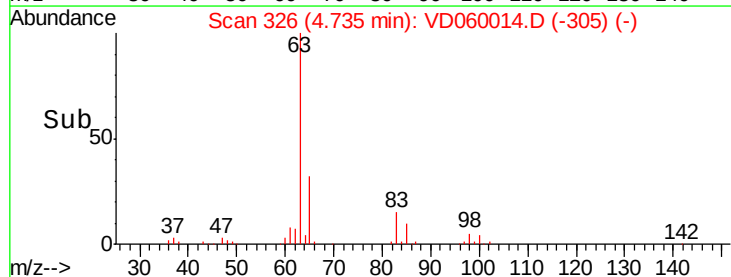
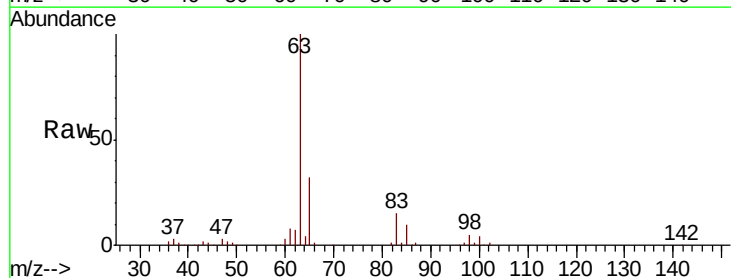
Tgt Ion: 63 Resp: 578015

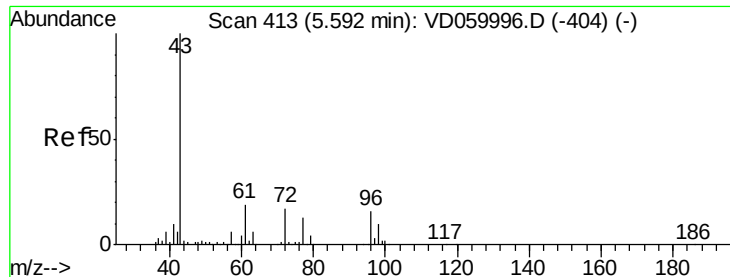
Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

100 3.6 1.8 5.4





#25

2-Butanone

Concen: 100.14 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 43 Resp: 669469

Ion Ratio Lower Upper

43 100

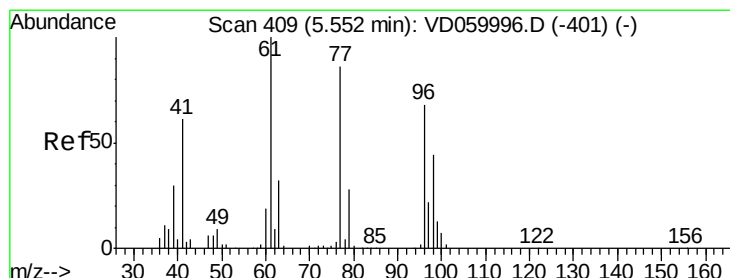
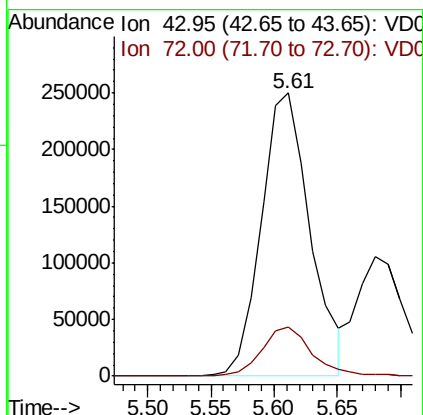
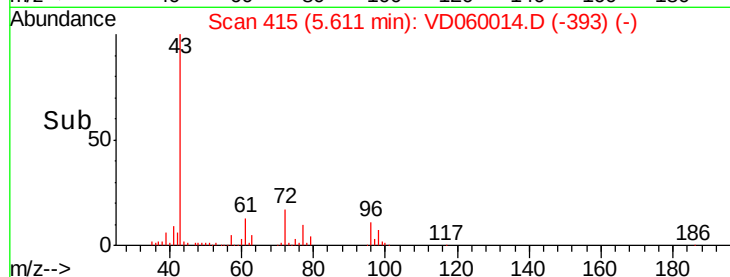
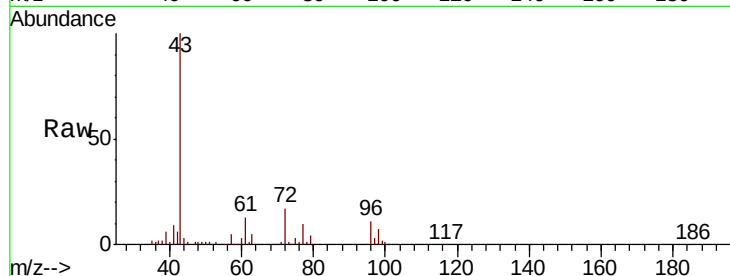
72 17.4 13.6 20.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.44 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060014.D

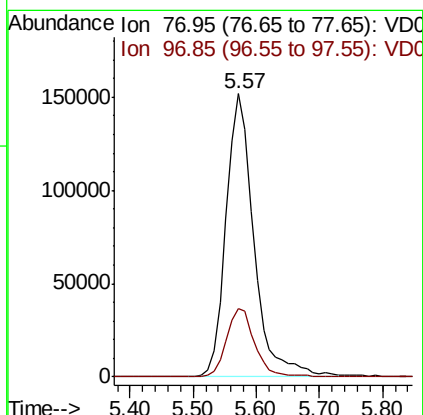
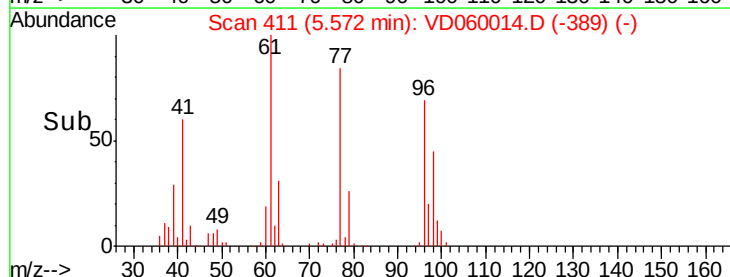
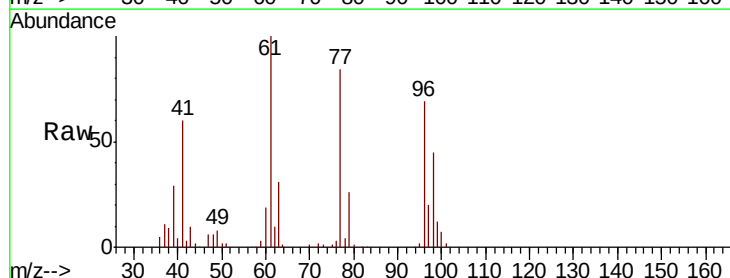
Acq: 17 Sep 2018 11:52

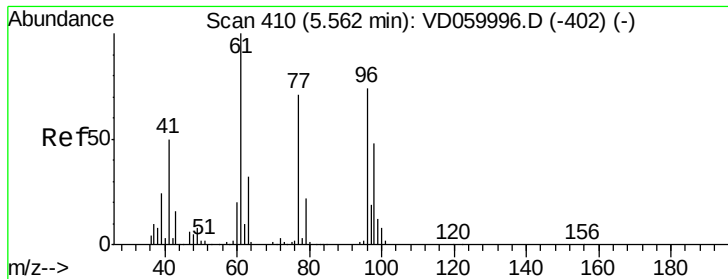
Tgt Ion: 77 Resp: 464541

Ion Ratio Lower Upper

77 100

97 24.3 12.7 38.1





#27

cis-1,2-Dichloroethene

Concen: 19.77 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.02 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

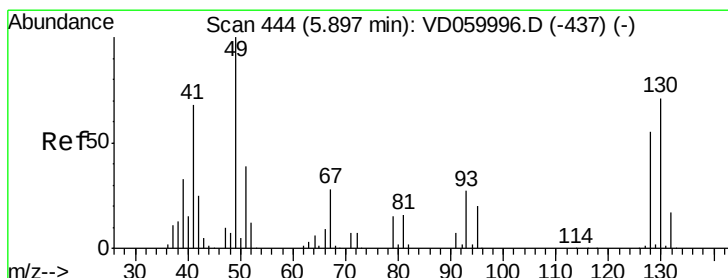
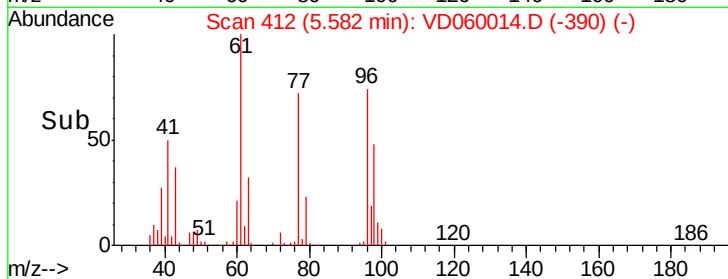
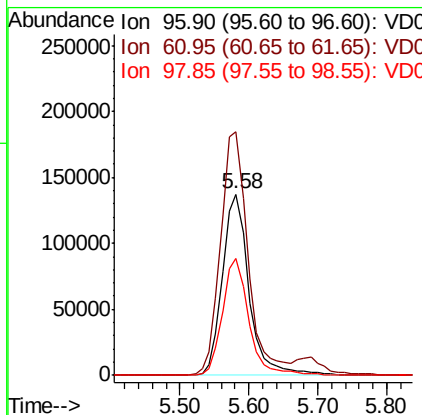
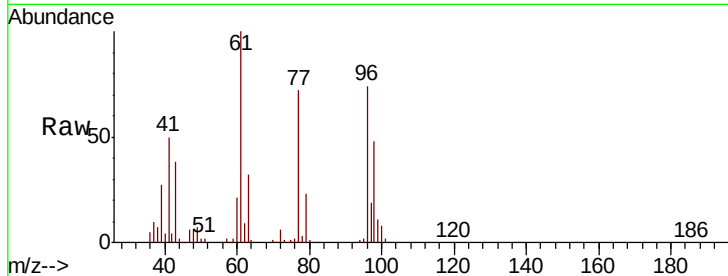
ClientSampleId :

VD0917SBS01

Tot Ion:	96	Resp:	367400
Ion Ratio	Lower	Upper	
96	100		
61	134.5	0.0	269.6
98	64.4	0.0	128.4

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#28

Bromochloromethane

Concen: 19.78 ug/l

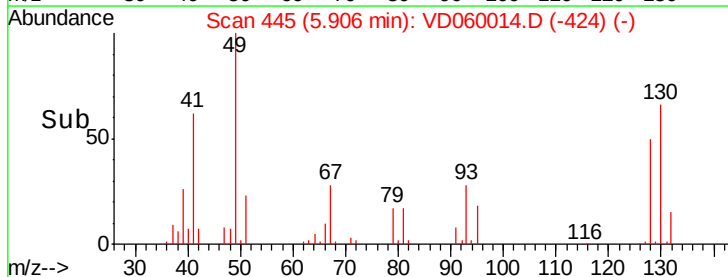
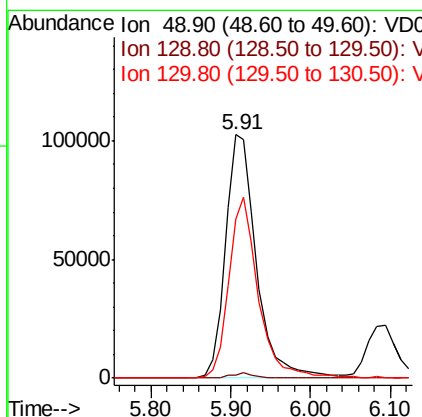
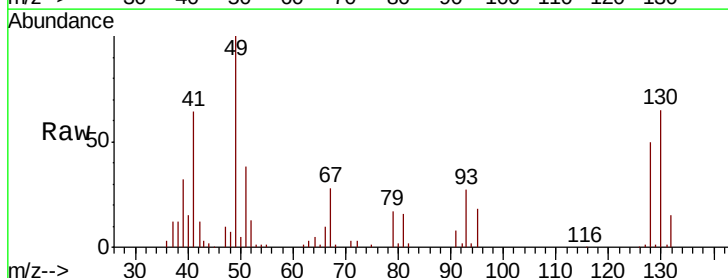
RT: 5.91 min Scan# 445

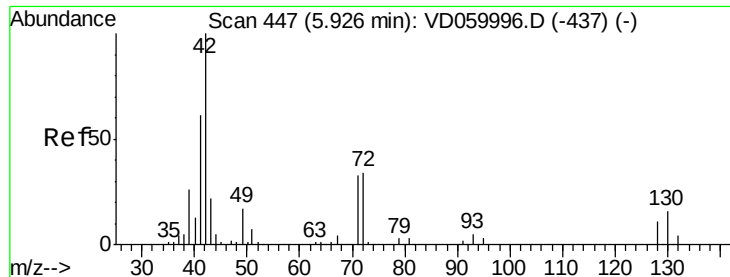
Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tgt Ion:	49	Resp:	277911
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	3.6
130	65.3	57.1	85.7





#29

Tetrahydrofuran

Concen: 89.41 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

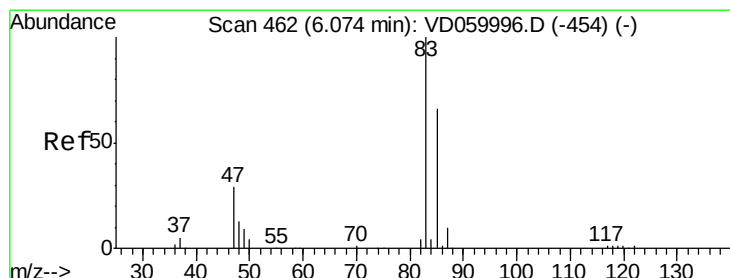
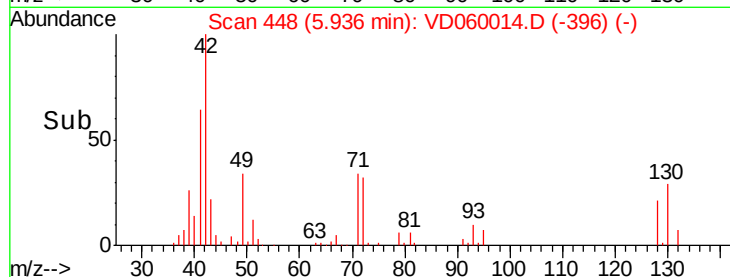
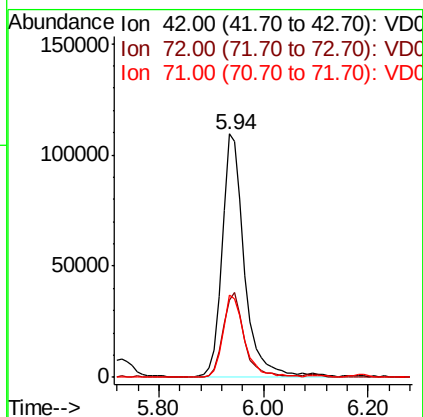
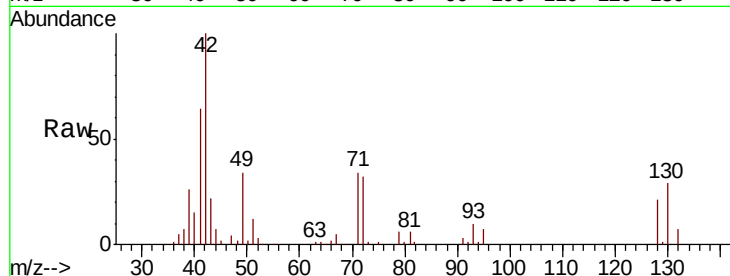
ClientSampleId :

VD0917SBS01

Tot Ion:	42	Resp:	320535
Ion Ratio	Lower	Upper	
42	100		
72	33.3	26.9	40.3
71	32.7	26.2	39.4

Manual Integrations
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#30

Chloroform

Concen: 19.58 ug/l

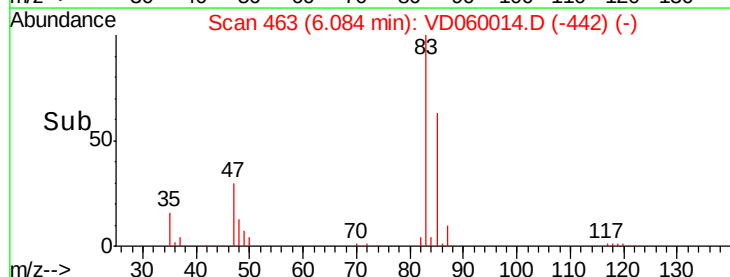
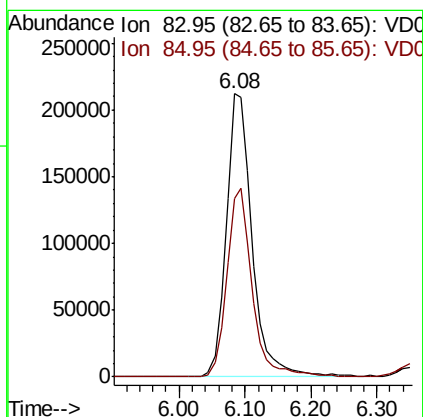
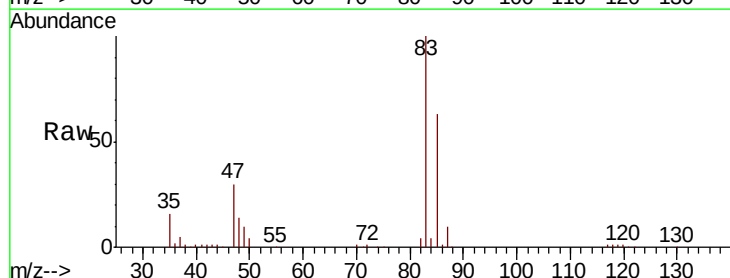
RT: 6.08 min Scan# 463

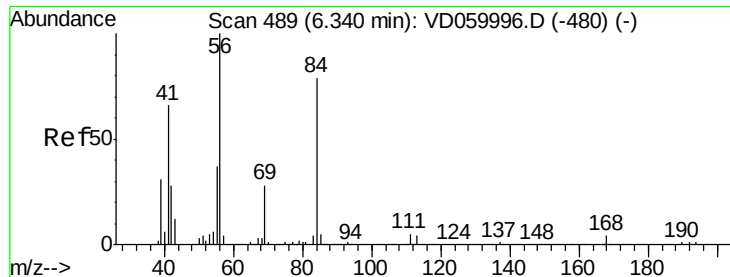
Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tgt Ion:	83	Resp:	580318
Ion Ratio	Lower	Upper	
83	100		
85	63.1	52.6	78.8





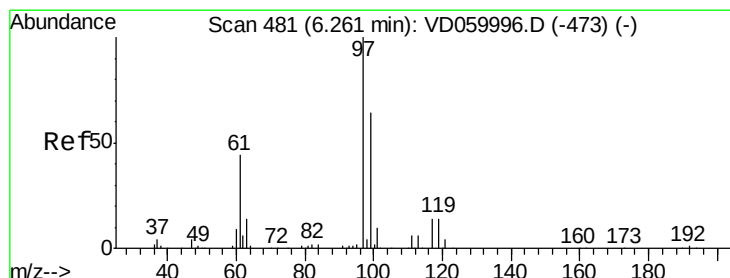
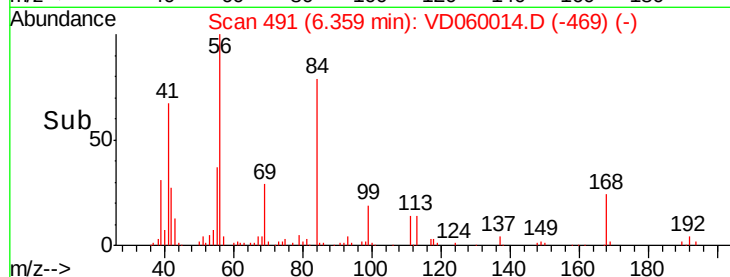
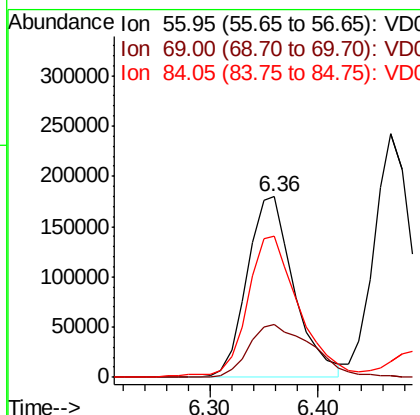
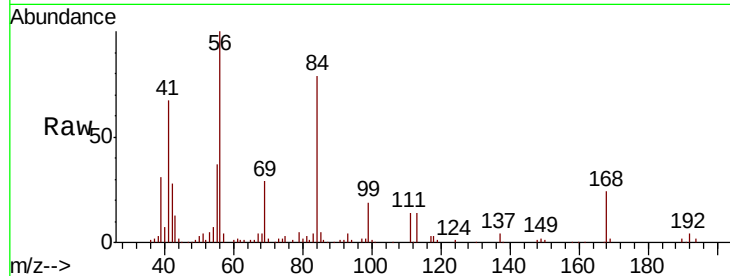
#31
Cyclohexane
Concen: 19.03 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.7	34.1
84	78.5	64.0	96.0

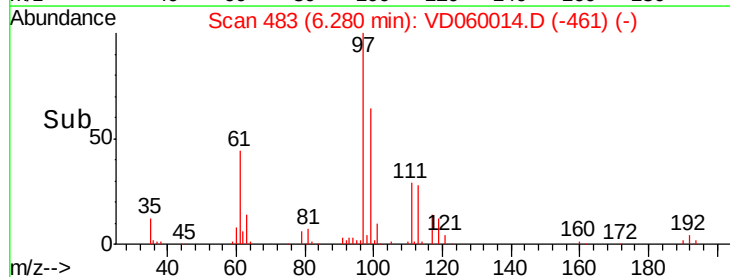
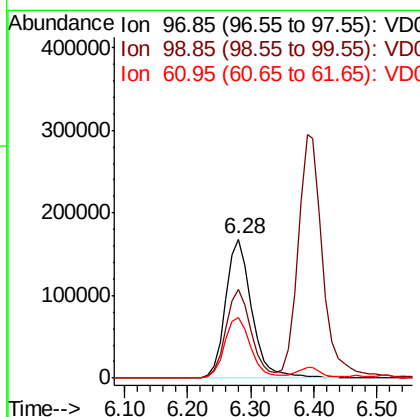
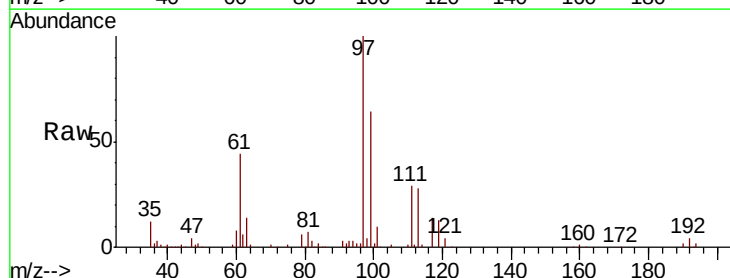
Manual Integrations
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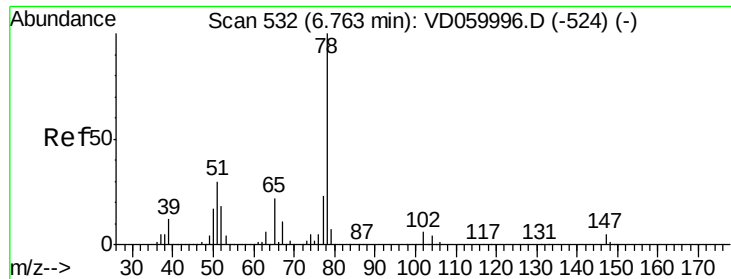
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#32
1,1,1-Trichloroethane
Concen: 19.54 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	43.9	35.5	53.3





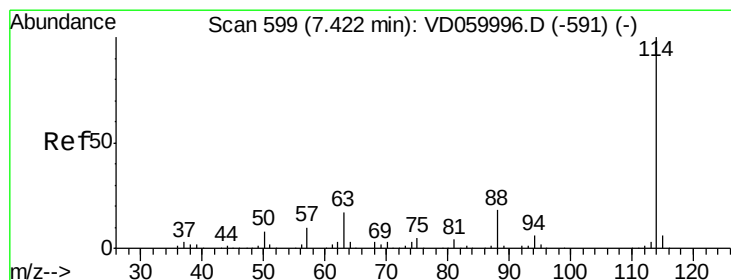
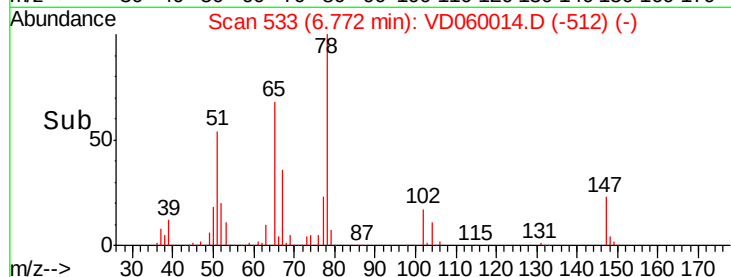
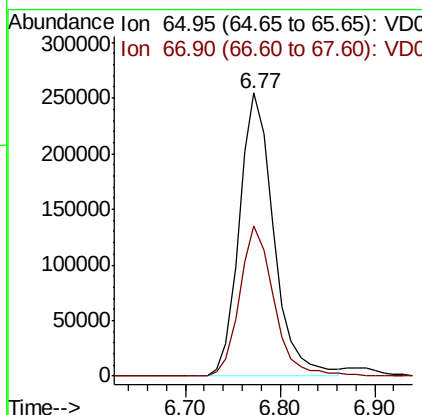
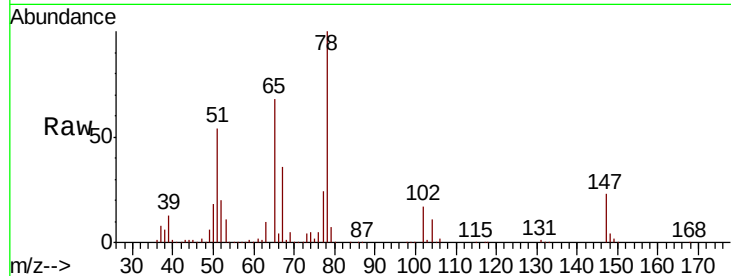
#33
 1,2-Dichloroethane-d4
 Concen: 19.54 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	104.8	

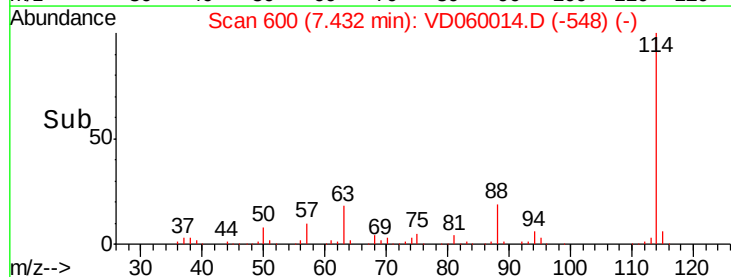
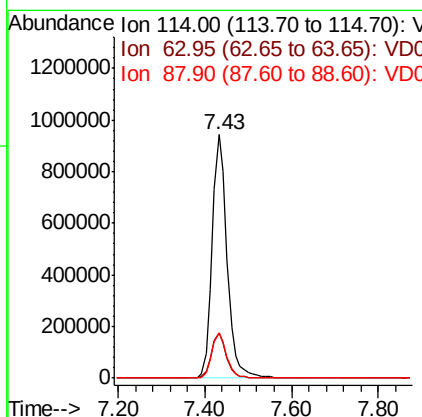
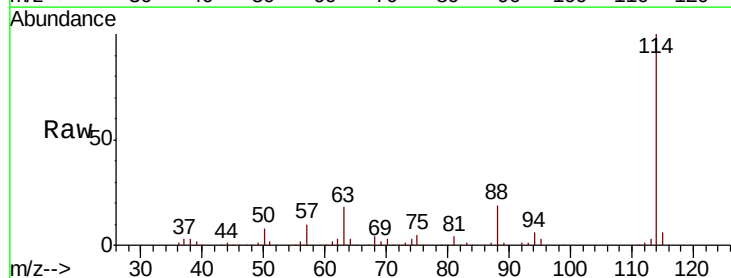
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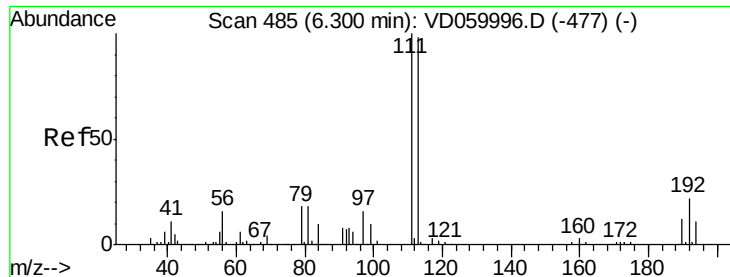
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	34.4	
88	18.6	0.0	35.8	





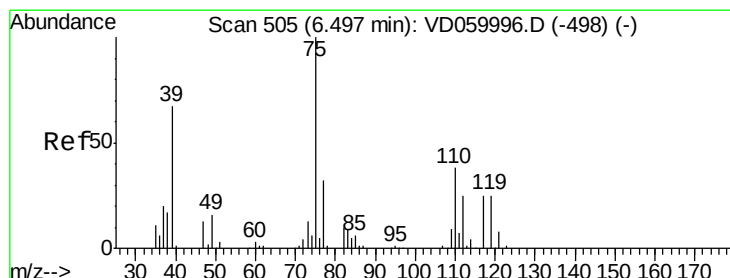
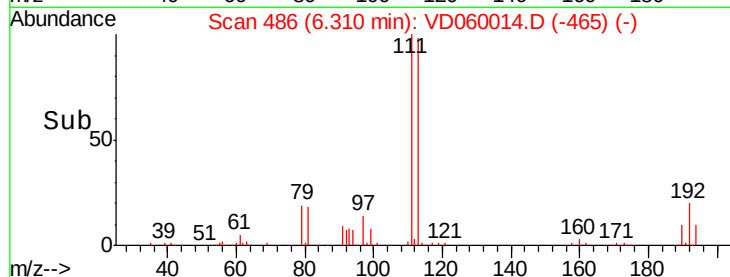
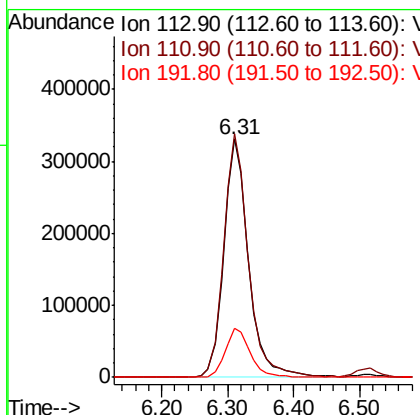
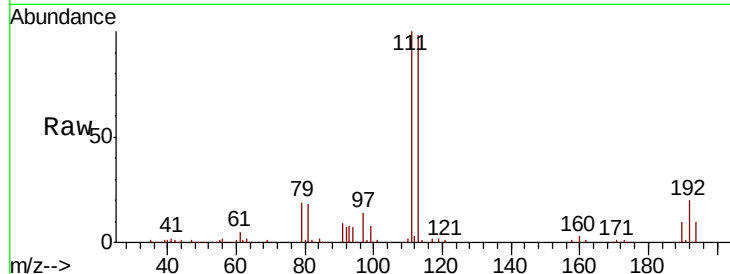
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	869747		
111	102.1	81.3	121.9	
192	20.5	18.1	27.1	

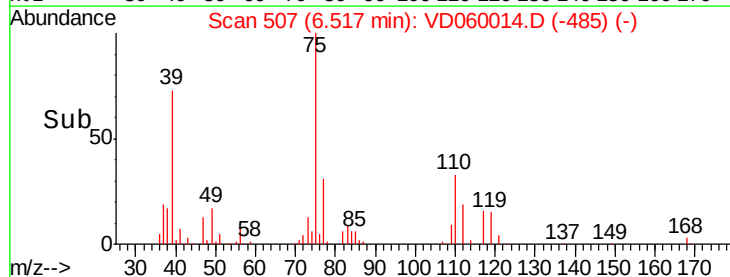
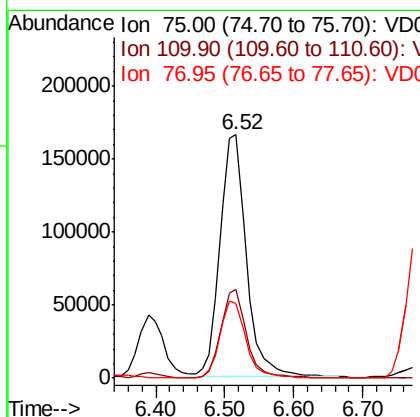
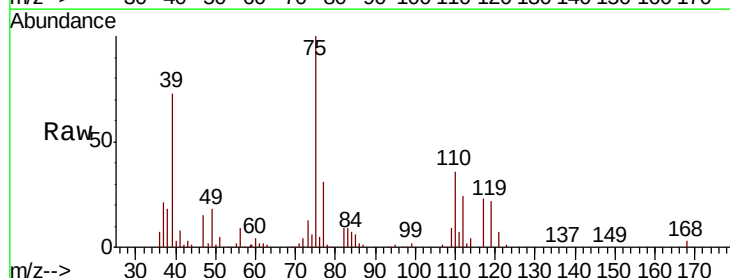
Manual Integrations
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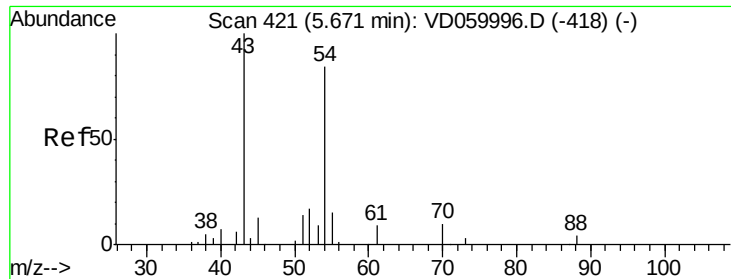
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#36
 1,1-Dichloropropene
 Concen: 19.53 ug/l
 RT: 6.52 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	440894		
110	36.3	18.9	56.9	
77	30.9	25.3	37.9	





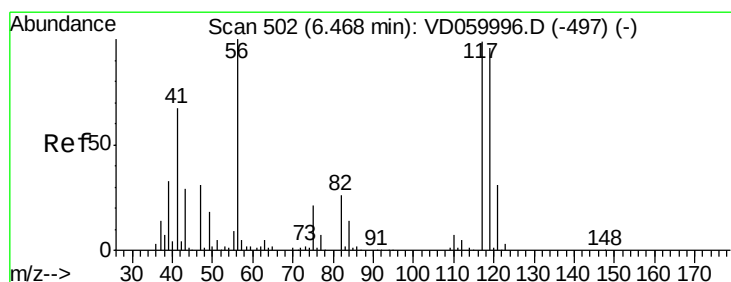
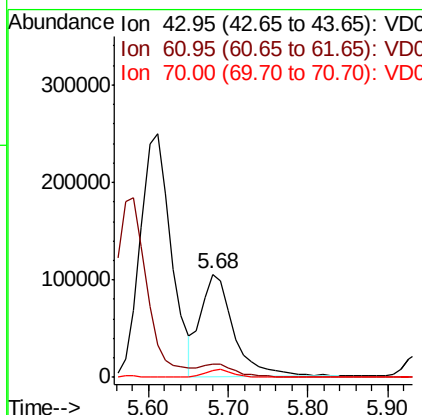
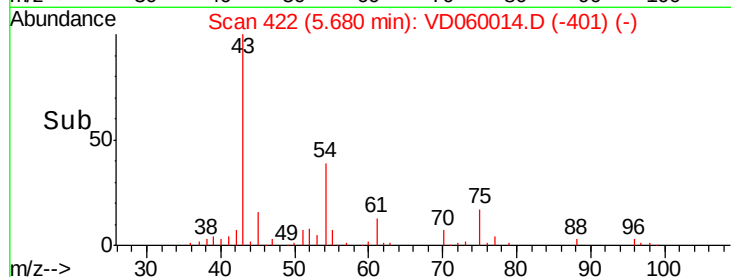
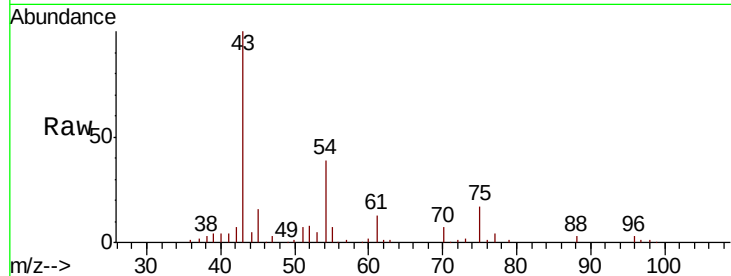
#37
Ethyl Acetate
Concen: 19.29 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	7.0	6.1	9.1

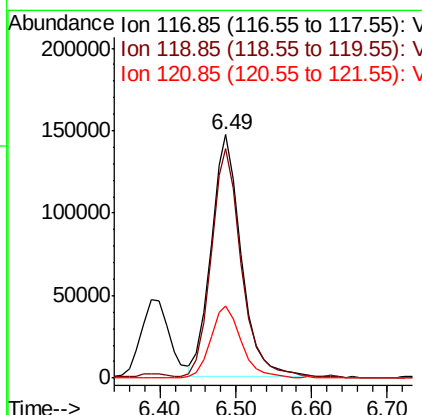
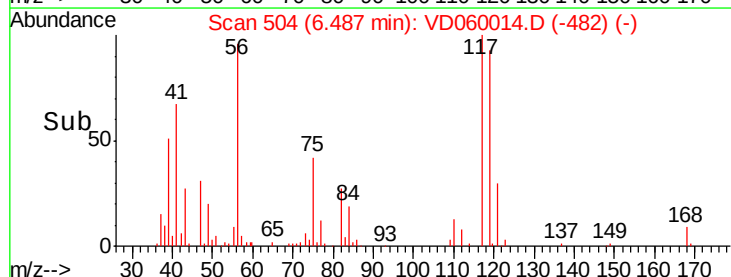
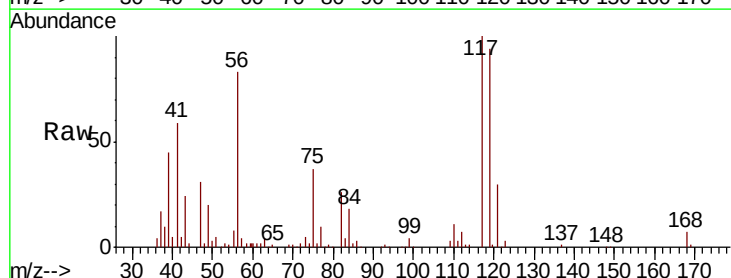
Manual Integrations
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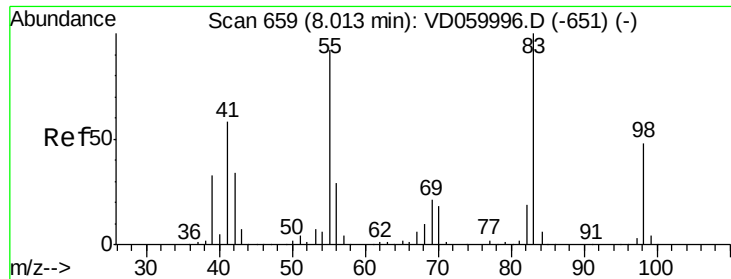
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#38
Carbon Tetrachloride
Concen: 19.17 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.7	115.1
121	29.5	24.9	37.3





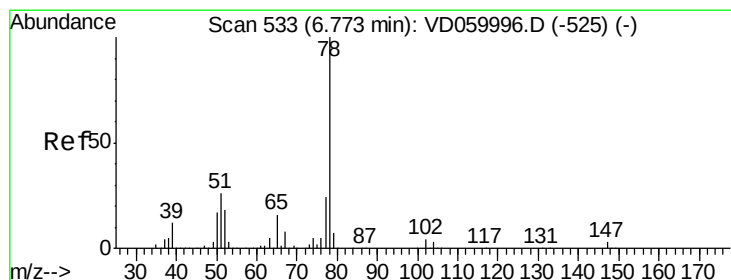
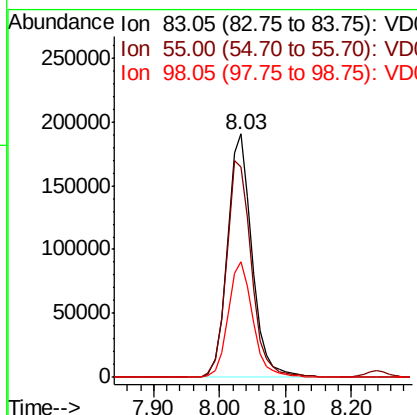
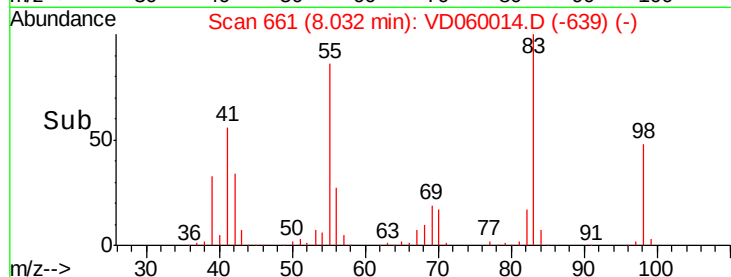
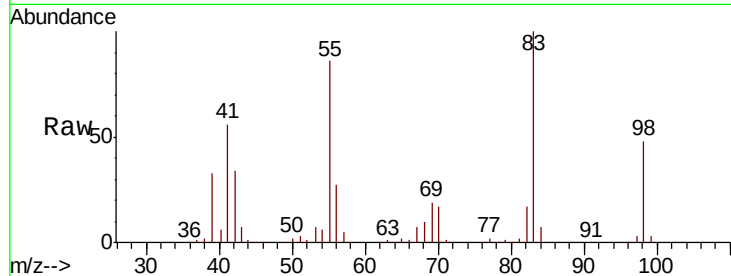
#39
Methylcyclohexane
Concen: 19.54 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	83	Resp	498930
Ion Ratio	Lower	Upper	
83	100		
55	86.3	73.8	110.6
98	47.6	38.1	57.1

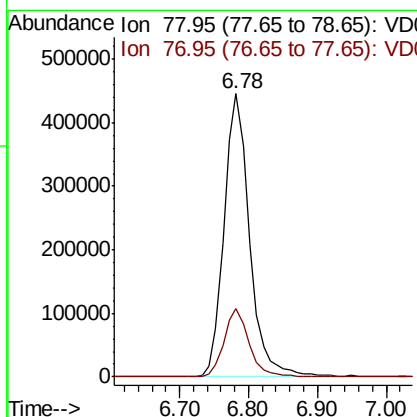
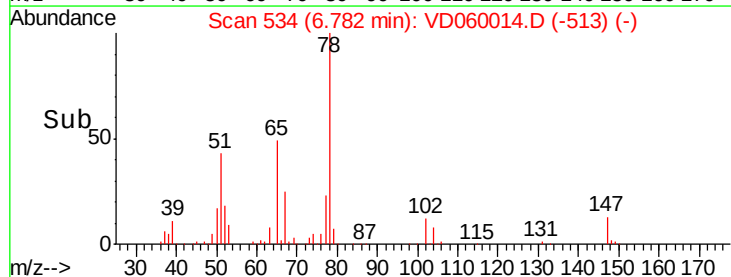
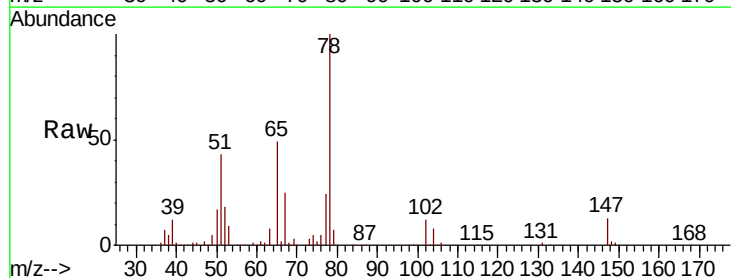
Manual Integrations
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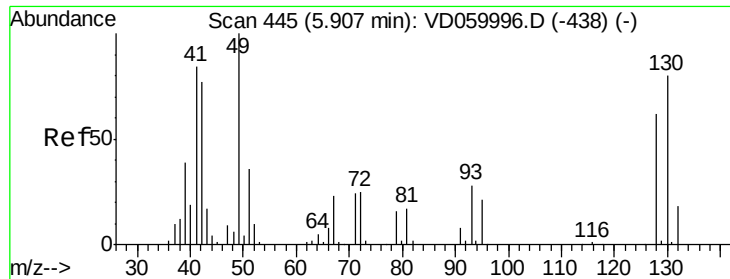
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#40
Benzene
Concen: 19.88 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion	78	Resp	1143481
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.0	28.4





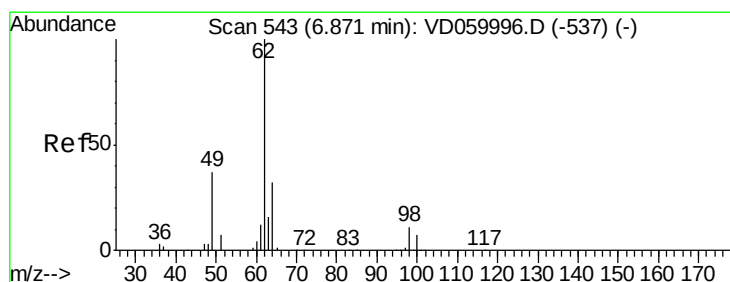
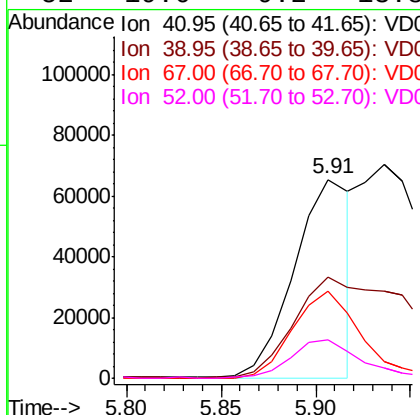
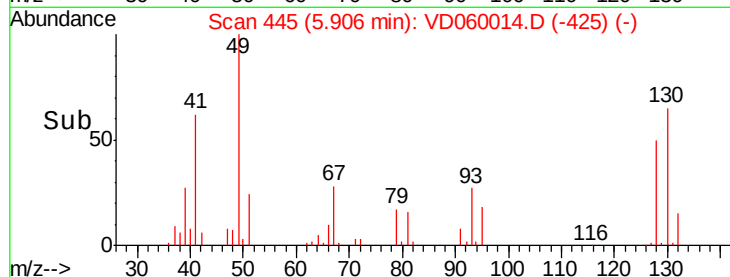
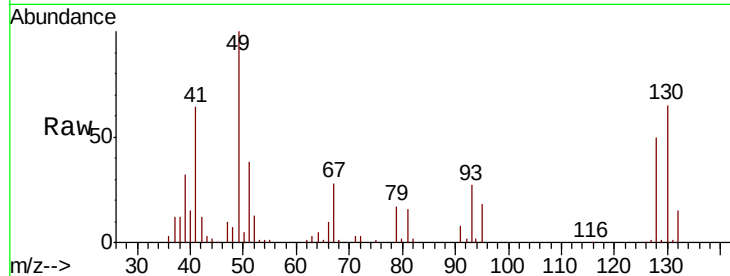
#41
Methacrylonitrile
Concen: 16.89 ug/l m
RT: 5.91 min Scan# 445
Delta R.T. -0.00 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.7	37.5	56.3
67	43.9	21.5	32.3
52	19.6	9.2	13.8

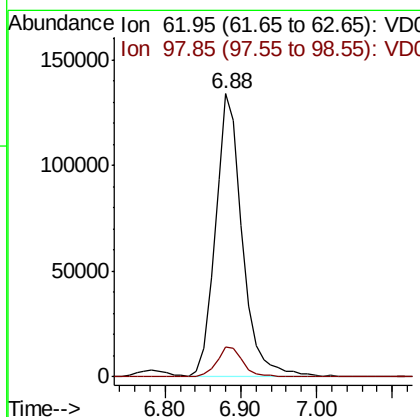
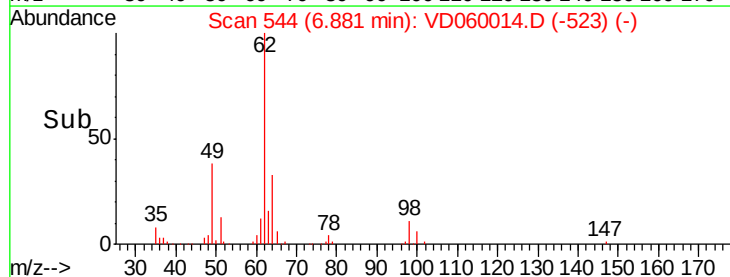
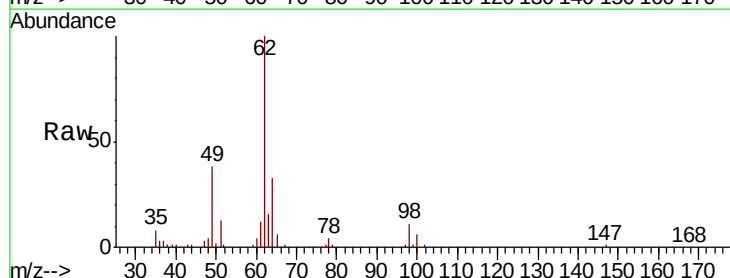
Manual Integrations
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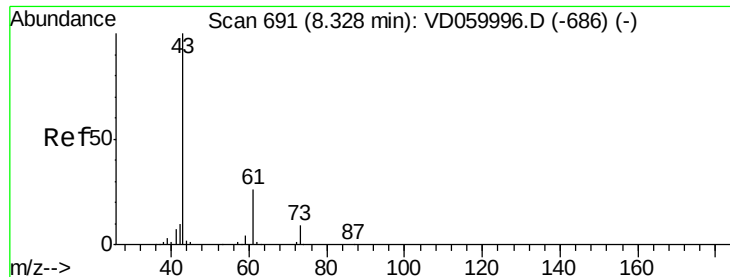
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#42
1,2-Dichloroethane
Concen: 18.99 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.4





#43

Isopropyl Acetate

Concen: 17.40 ug/l

RT: 8.34 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

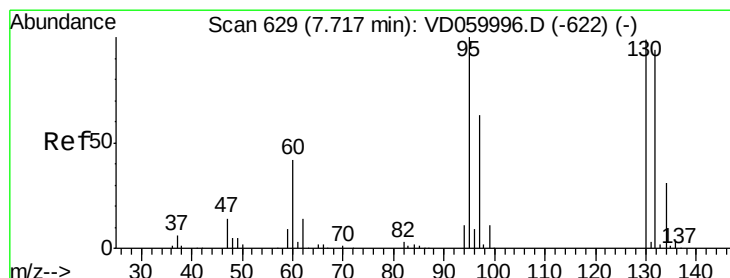
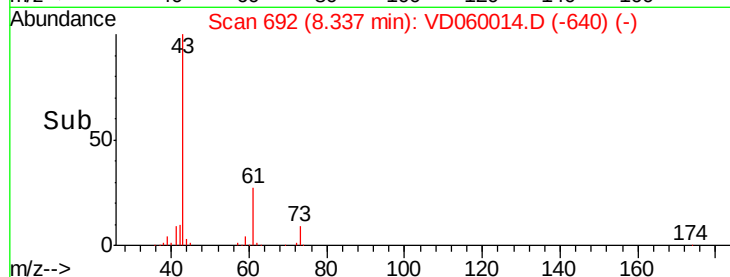
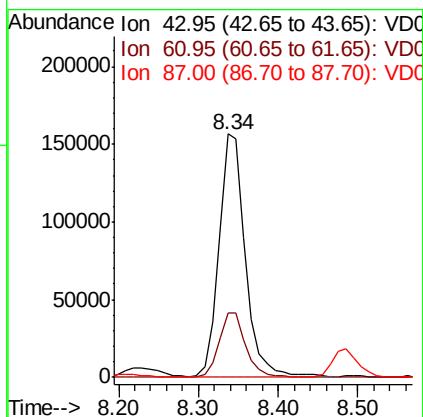
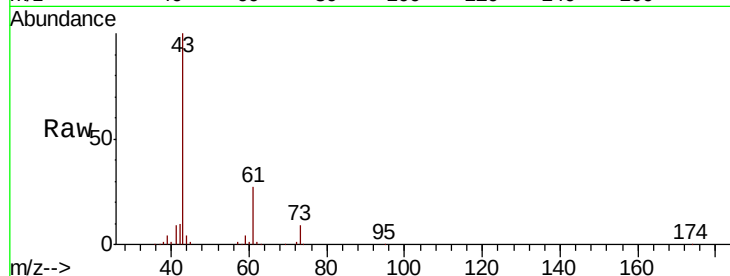
ClientSampleId :

VD0917SBS01

Tot Ion:	43	Resp:	361641
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	0.0	0.2	0.2#

Manual Integrations
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#44

Trichloroethene

Concen: 19.30 ug/l

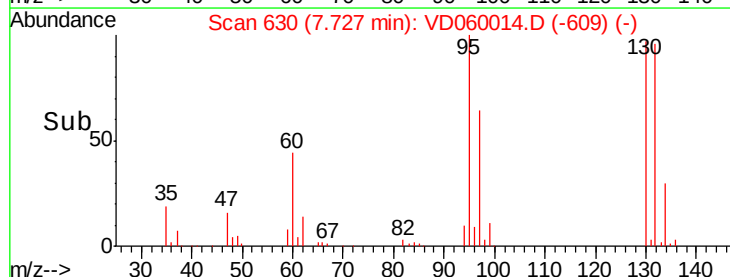
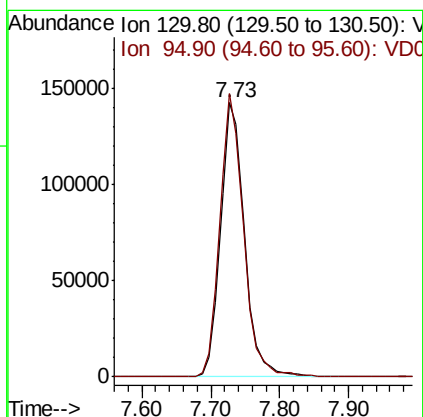
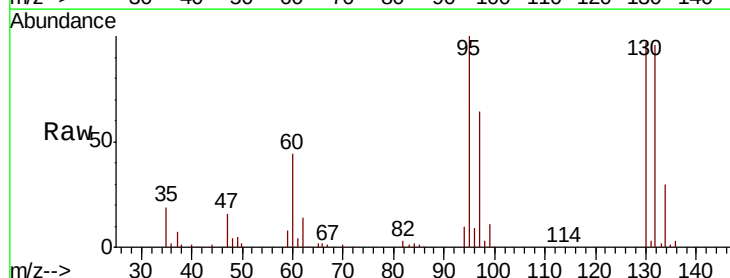
RT: 7.73 min Scan# 630

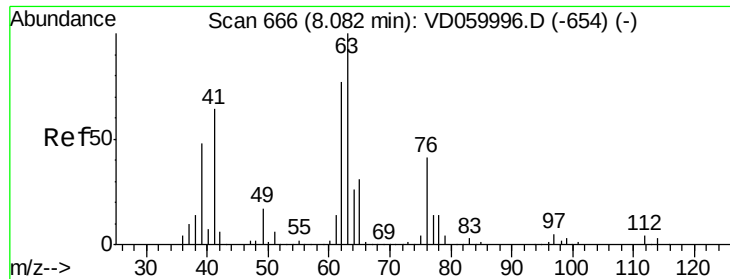
Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tgt Ion:	130	Resp:	343041
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	202.0





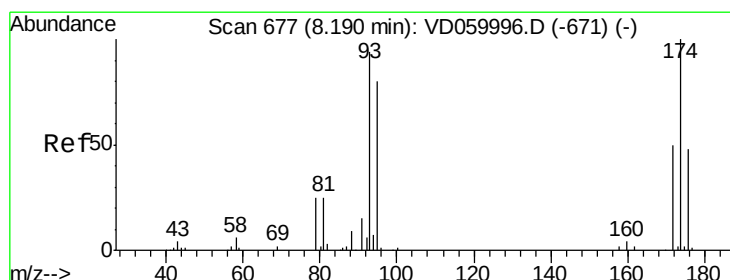
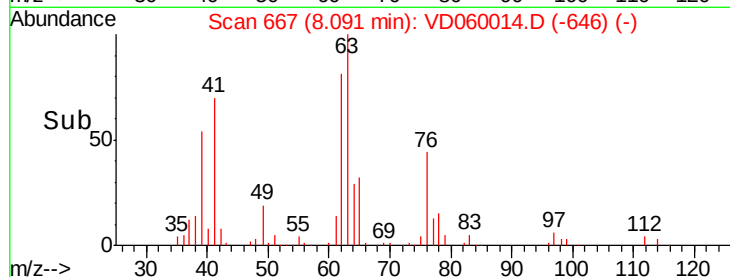
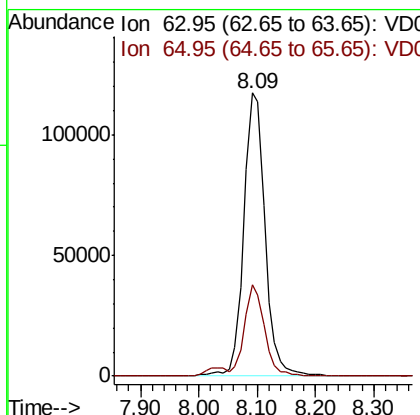
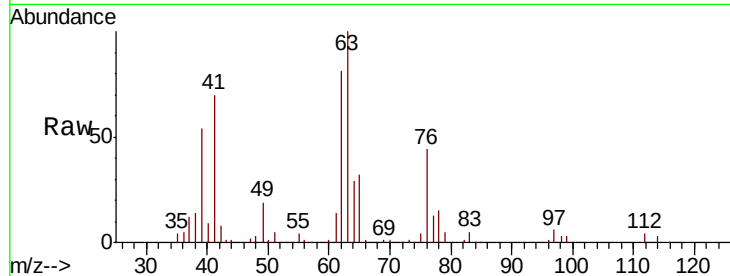
#45
 1,2-Dichloropropane
 Concen: 19.44 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion: 63 Resp: 298970
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.6 37.0

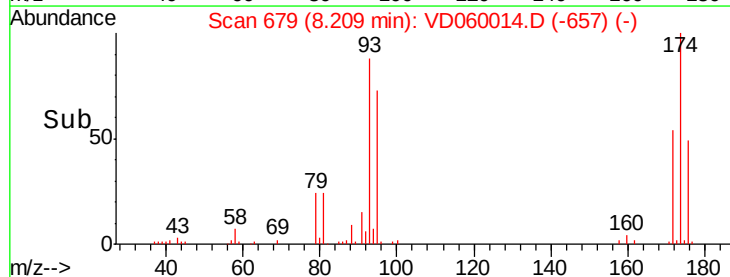
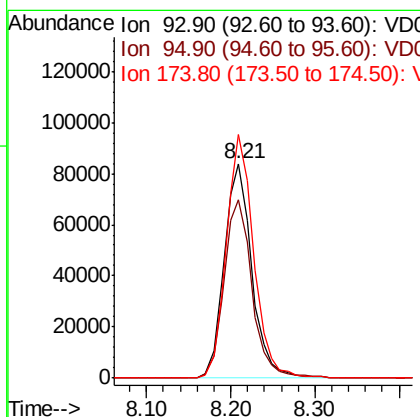
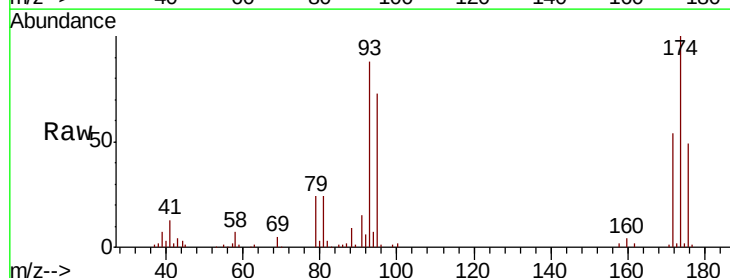
Manual Integrations
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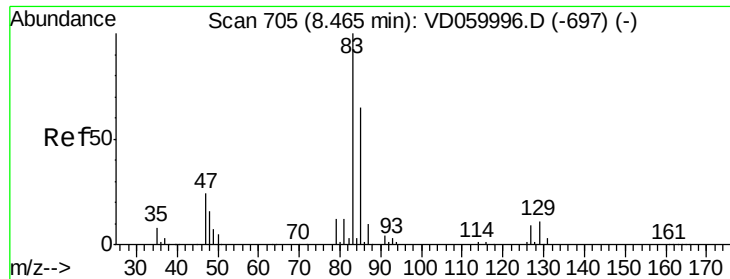
apatel
 9/18/2018 12:17:06 PM



#46
 Dibromomethane
 Concen: 18.99 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion: 93 Resp: 190594
 Ion Ratio Lower Upper
 93 100
 95 83.4 68.0 102.0
 174 113.5 85.4 128.2





#47

Bromodichloromethane

Concen: 19.05 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

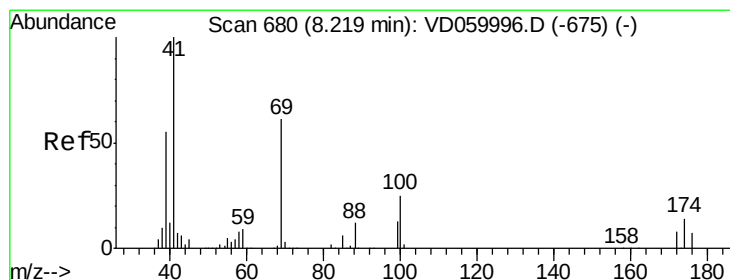
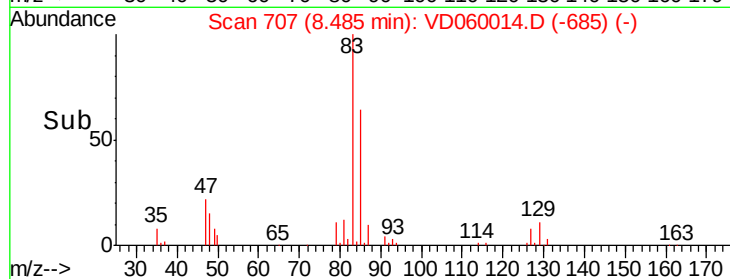
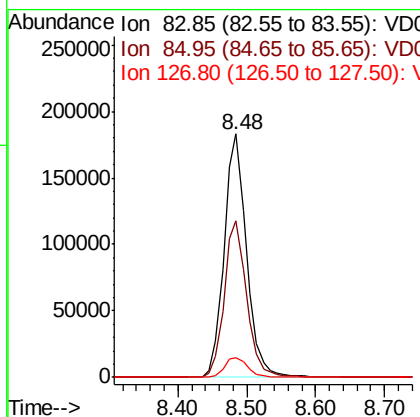
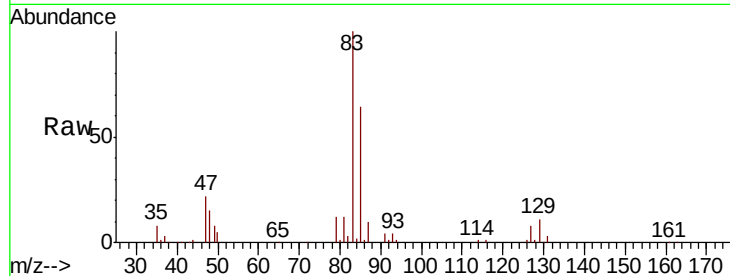
ClientSampleId :

VD0917SBS01

Tot Ion:	83	Resp:	412162
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.99 ug/l

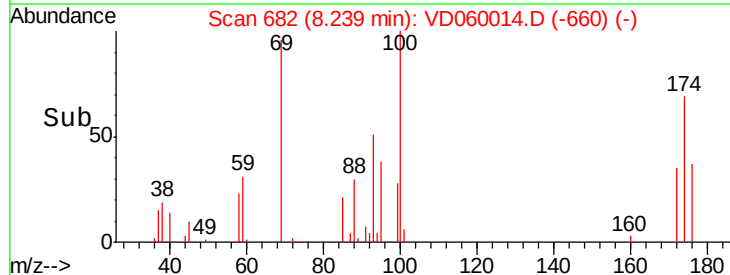
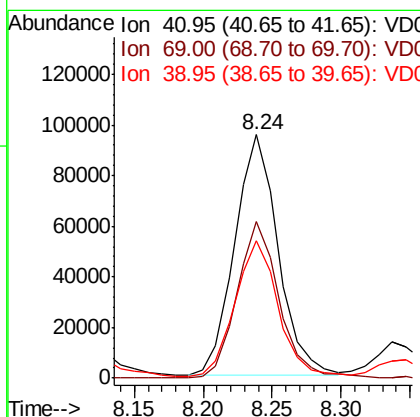
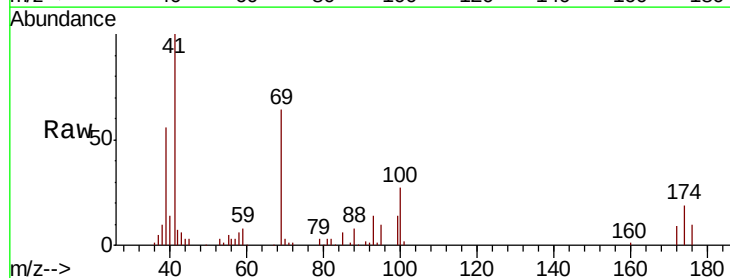
RT: 8.24 min Scan# 682

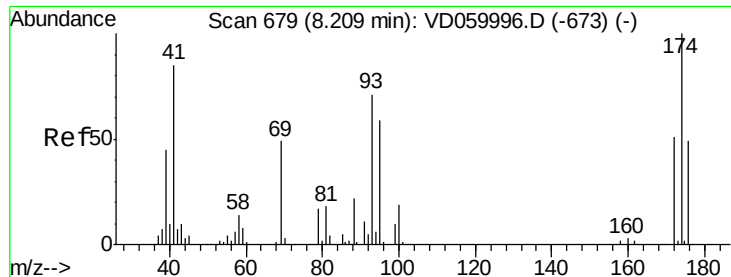
Delta R.T. 0.02 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tgt Ion:	41	Resp:	208246
Ion	Ratio	Lower	Upper
41	100		
69	64.3	48.3	72.5
39	56.3	44.1	66.1





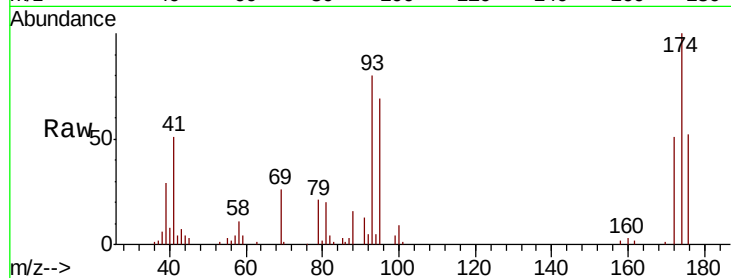
#49
1,4-Dioxane
Concen: 324.23 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	88	Resp	37271
Ion	Ratio	Lower	Upper
88	100		
43	45.4	36.2	54.2
58	66.2	51.0	76.6

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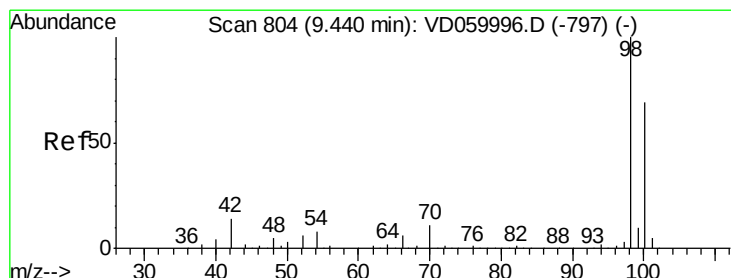
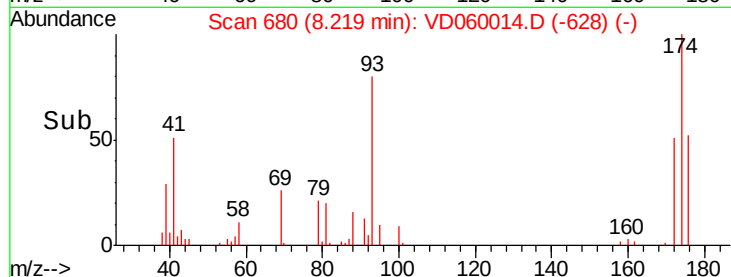
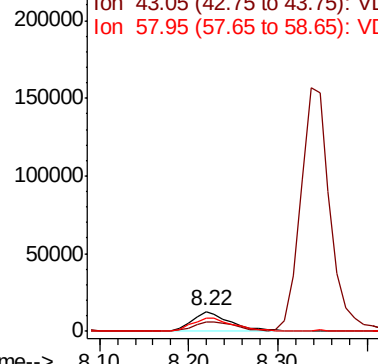


Abundance

Ion 88.00 (87.70 to 88.70): VDC

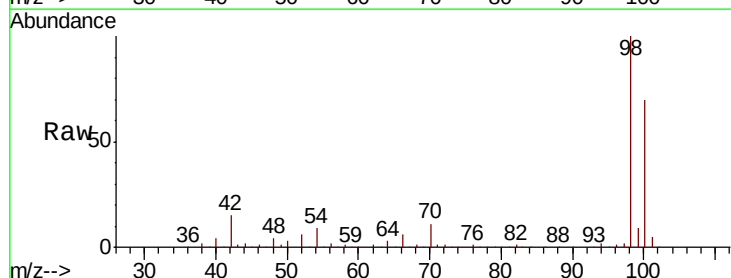
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 324.23 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

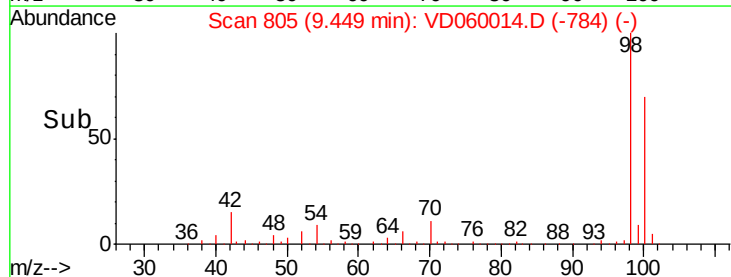
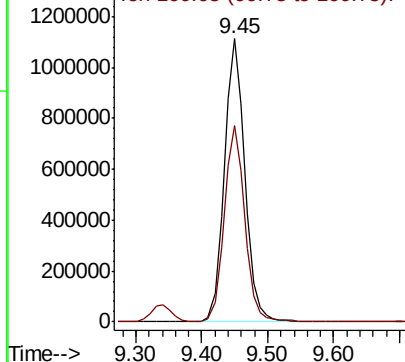
Tgt Ion	98	Resp	2426259
Ion	Ratio	Lower	Upper
98	100		
100	69.6	55.8	83.6

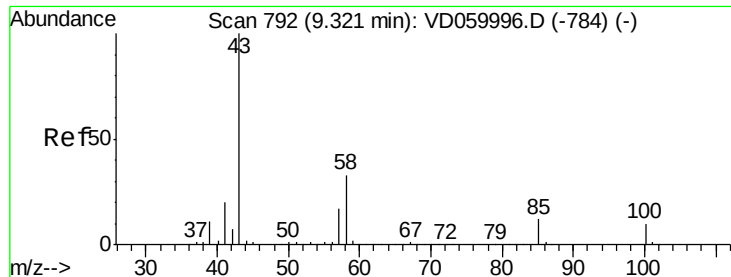


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 96.50 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 43 Resp: 1486291

Ion Ratio Lower Upper

43 100

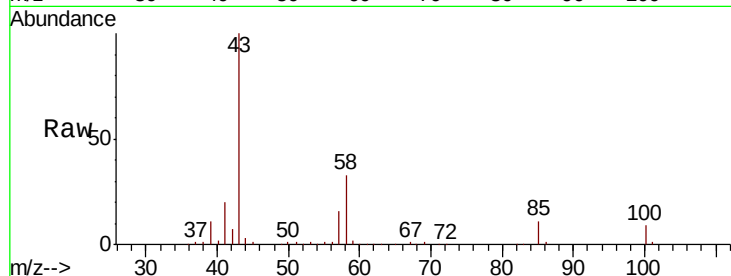
58 33.0 26.4 39.6

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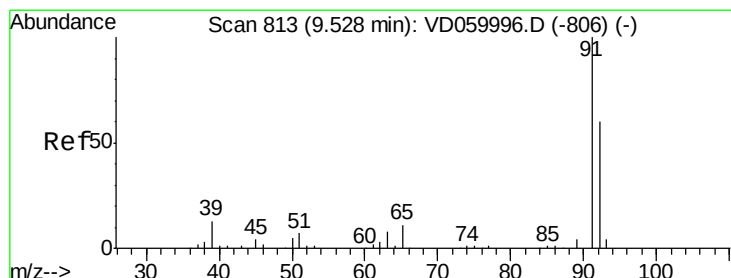
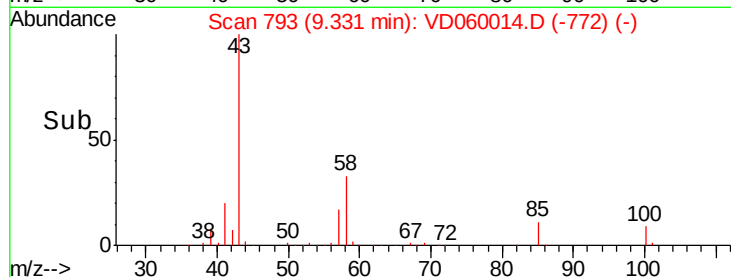
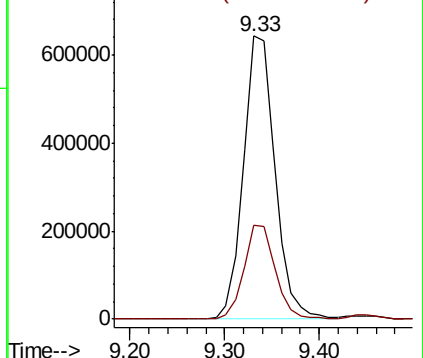
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.97 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060014.D

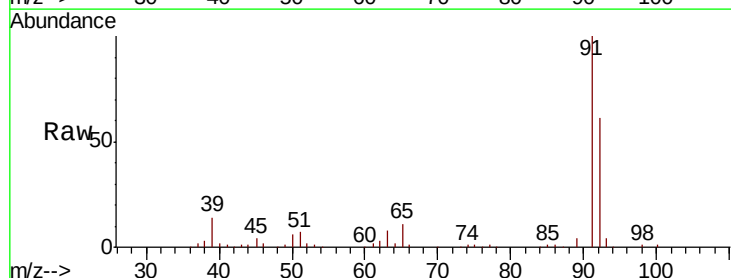
Acq: 17 Sep 2018 11:52

Tgt Ion: 92 Resp: 736435

Ion Ratio Lower Upper

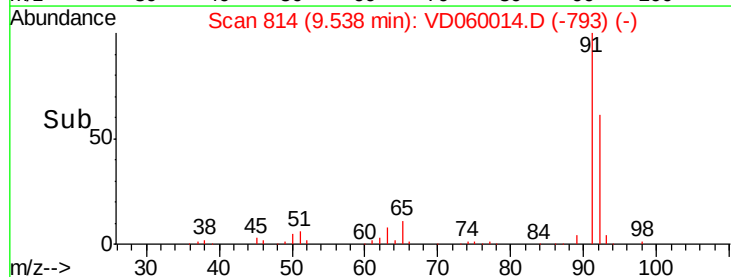
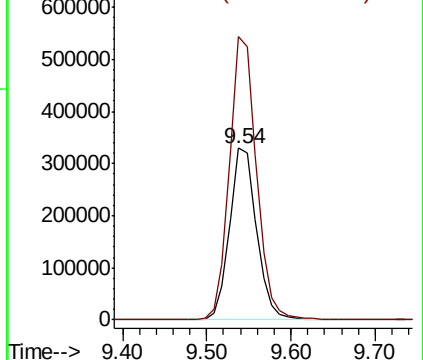
92 100

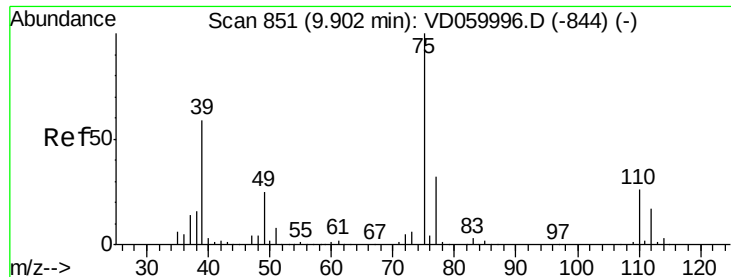
91 164.7 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.67 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tot Ion: 75 Resp: 376766

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

Instrument :

MSVOA_D

ClientSampleId :

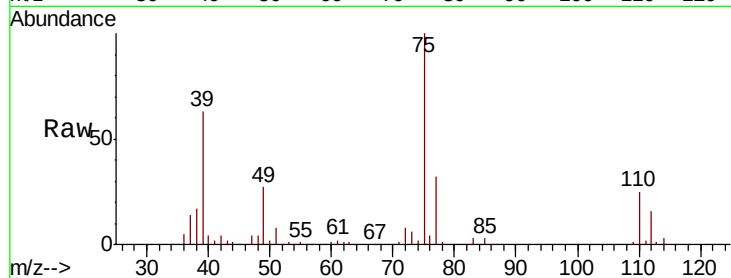
VD0917SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

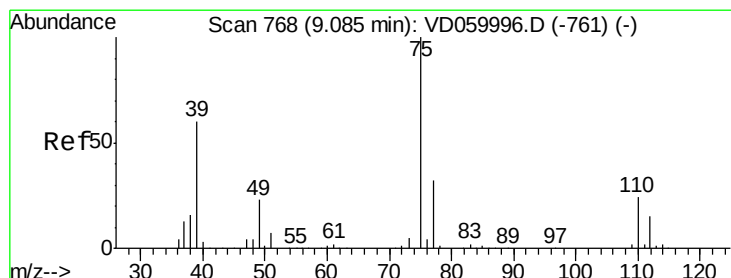
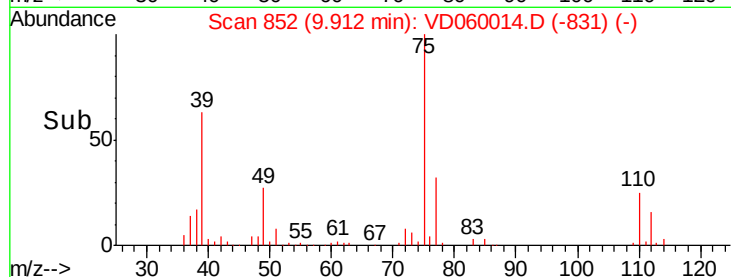
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.42 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

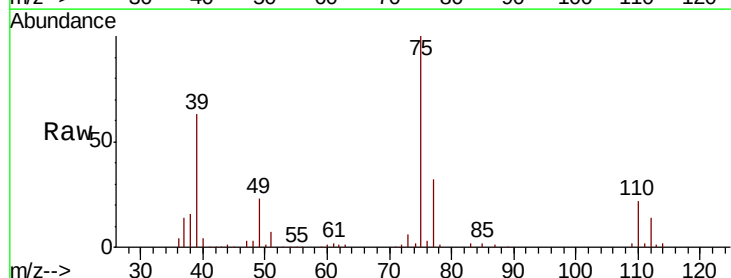
Tgt Ion: 75 Resp: 468307

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 62.9 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.09

300000

250000

200000

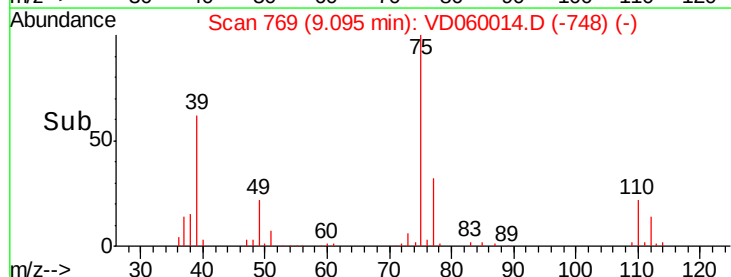
150000

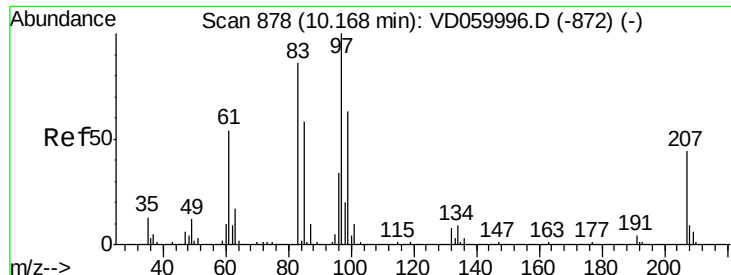
100000

50000

0

Time-->





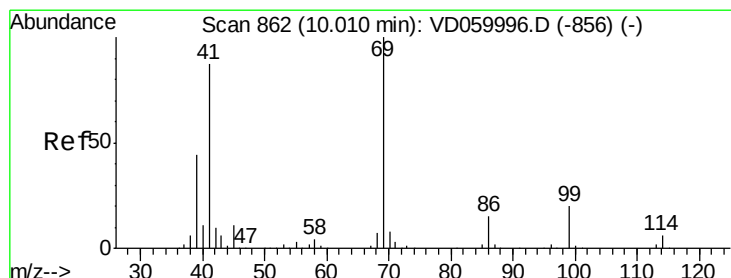
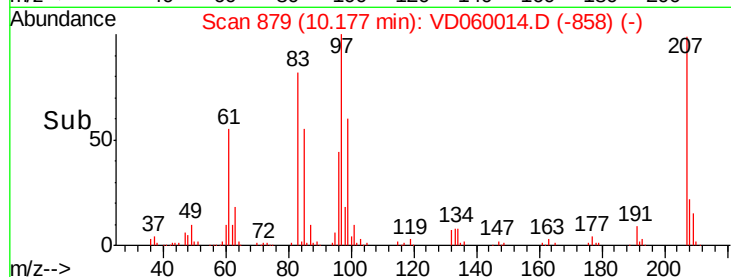
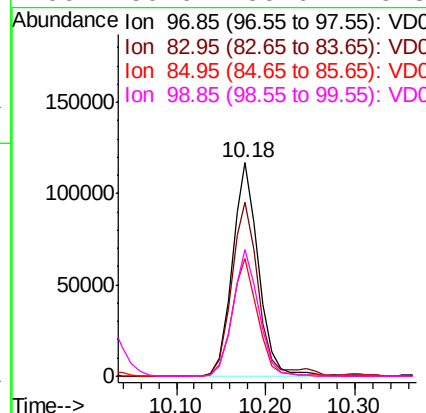
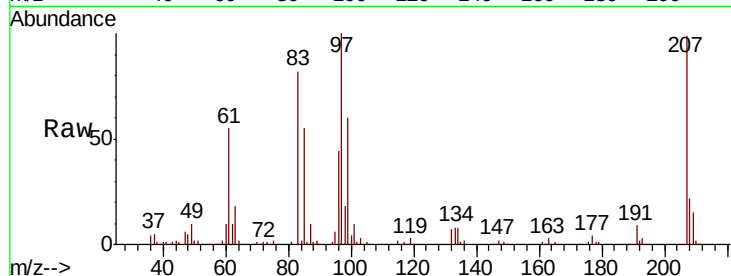
#55
 1,1,2-Trichloroethane
 Concen: 18.80 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	240655		
83	81.6	69.1	103.7	
85	55.1	46.2	69.4	
99	59.6	50.6	75.8	

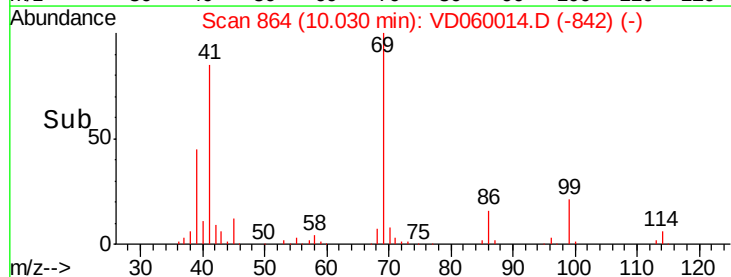
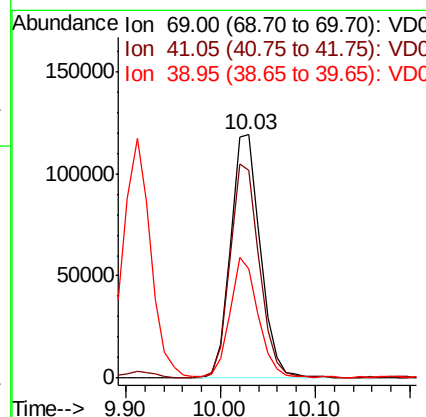
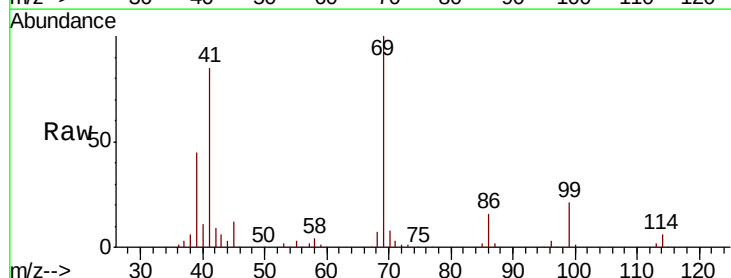
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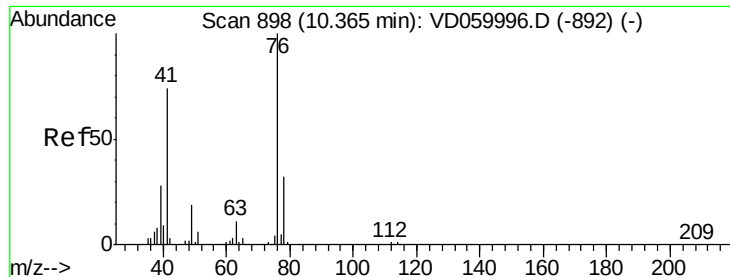
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#56
 Ethyl methacrylate
 Concen: 18.19 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	258284		
41	85.5	70.1	105.1	
39	45.0	36.5	54.7	





#57

1,3-Dichloropropane

Concen: 18.55 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 76 Resp: 350472

Ion Ratio Lower Upper

76 100

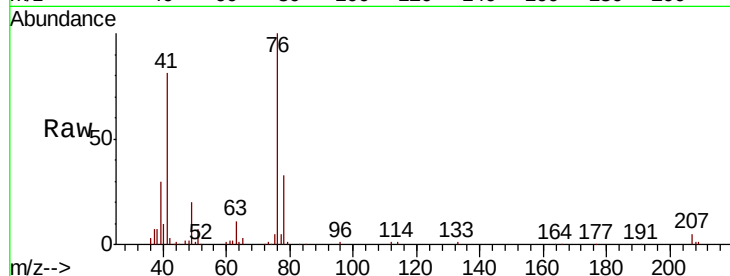
78 32.6 25.3 37.9

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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

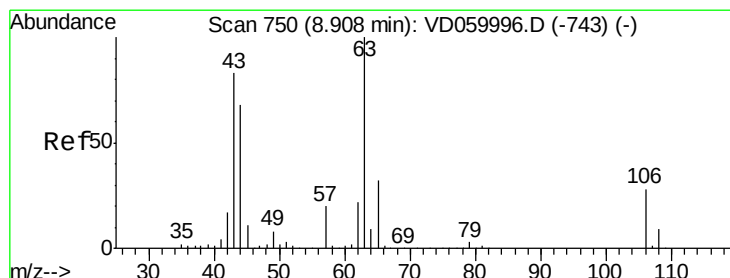
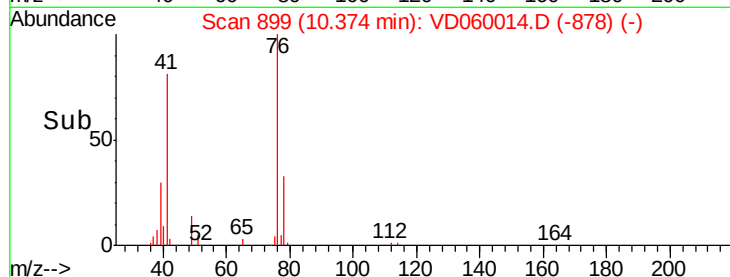
100000

50000

0

10.30 10.40 10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 99.40 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060014.D

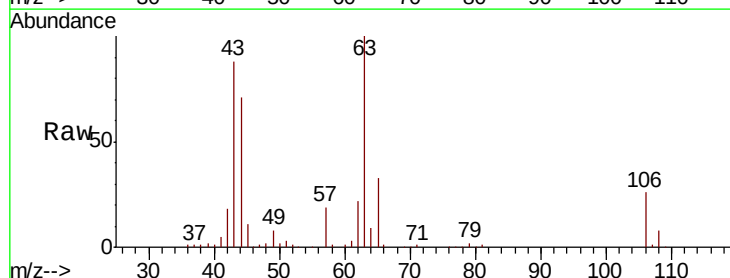
Acq: 17 Sep 2018 11:52

Tgt Ion: 63 Resp: 681614

Ion Ratio Lower Upper

63 100

106 25.9 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

300000

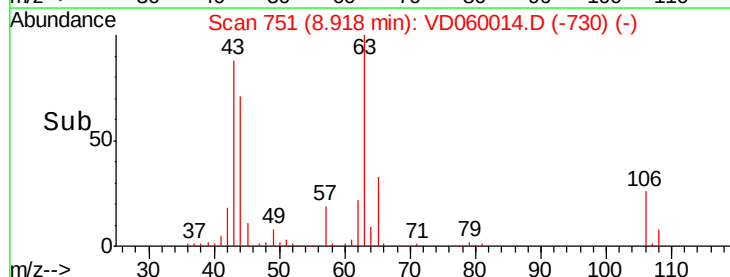
200000

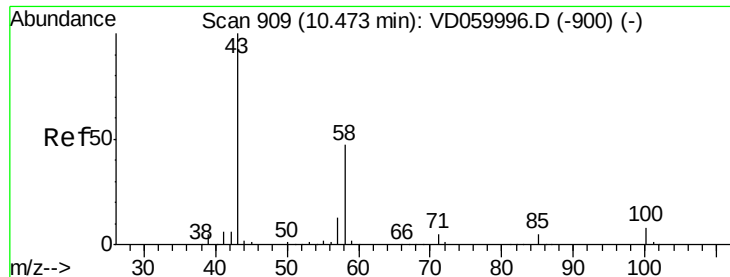
100000

0

8.80 8.90 9.00 9.10

Time-->





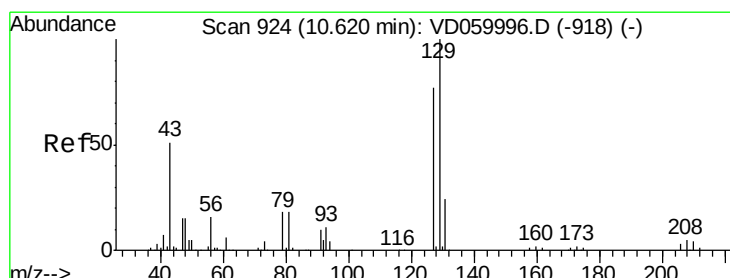
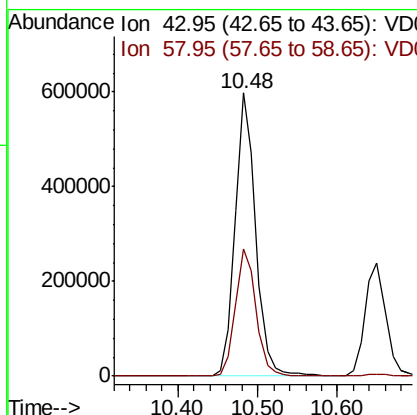
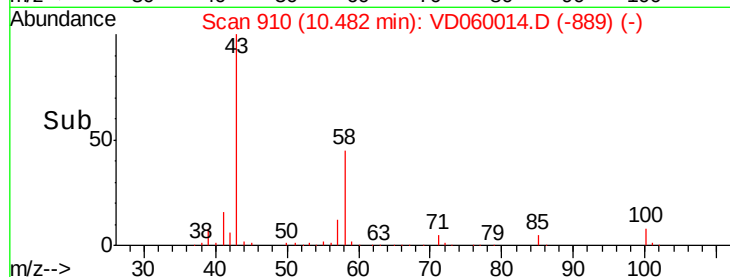
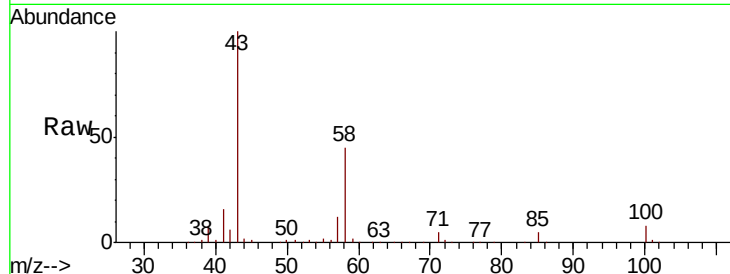
#59
2-Hexanone
Concen: 96.93 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 43 Resp: 1077262
Ion Ratio Lower Upper
43 100
58 45.0 23.4 70.0

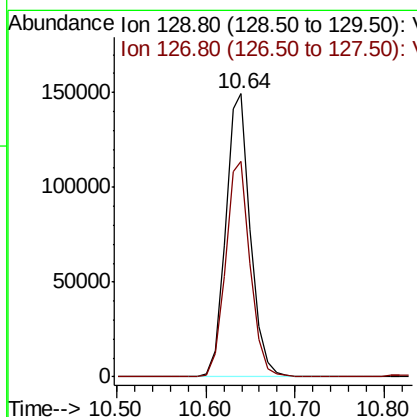
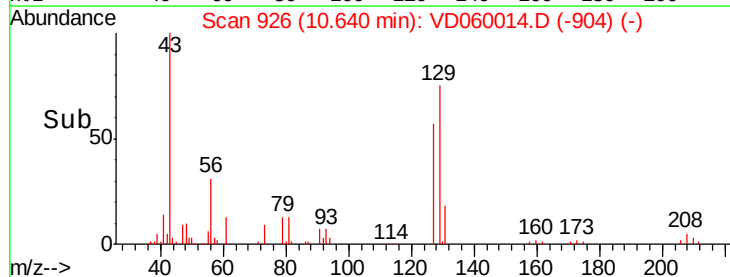
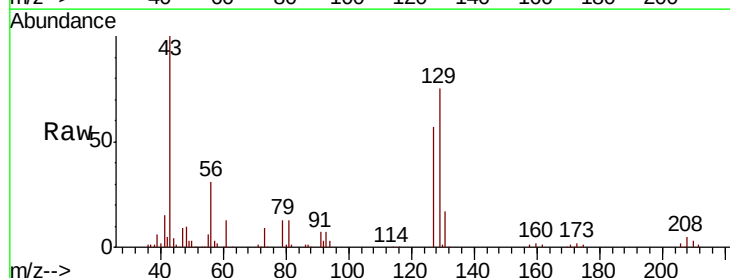
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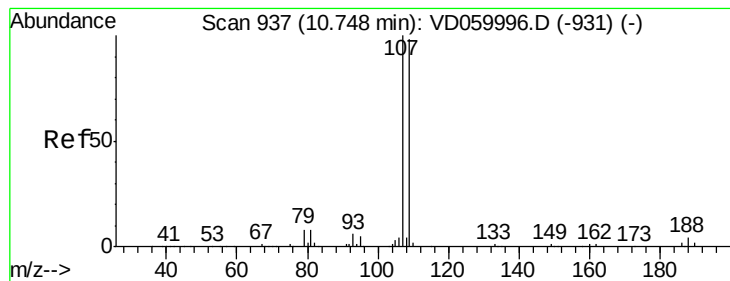
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#60
Dibromochloromethane
Concen: 18.65 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.02 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion: 129 Resp: 290584
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.85 ug/l

RT: 10.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 107 Resp: 249176

Ion Ratio Lower Upper

107 100

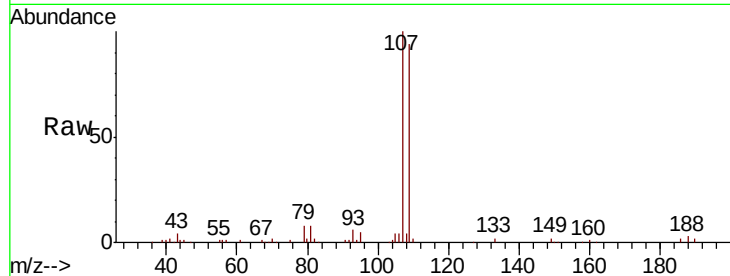
109 94.2 78.2 117.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

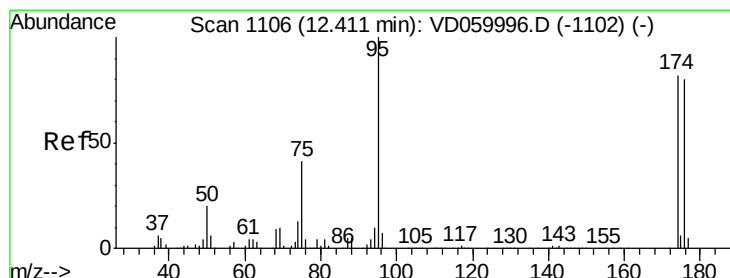
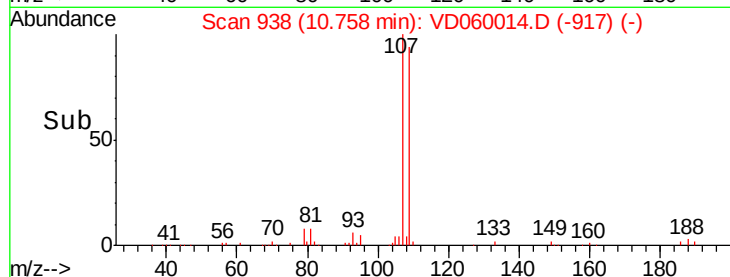
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 18.85 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

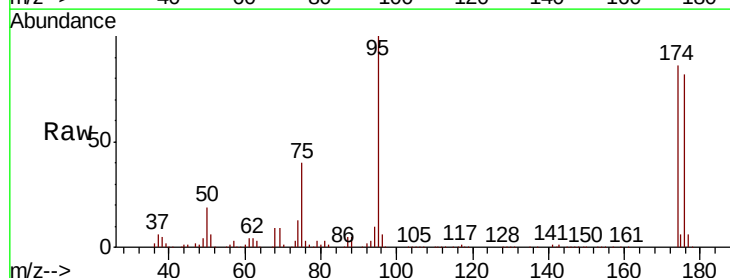
Tgt Ion: 95 Resp: 892094

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.0

176 82.1 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

800000

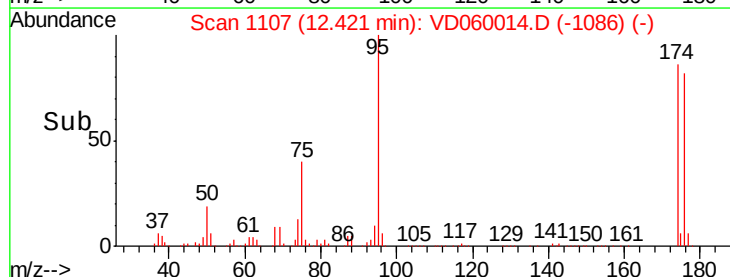
600000

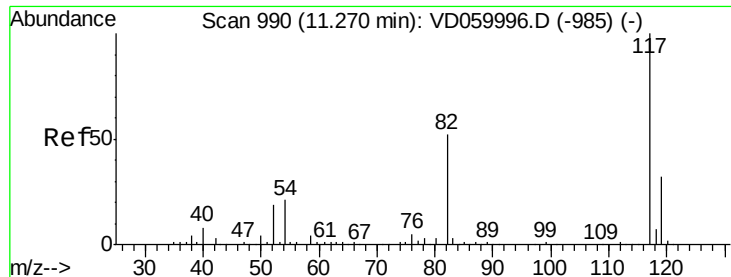
400000

200000

0

Time-->





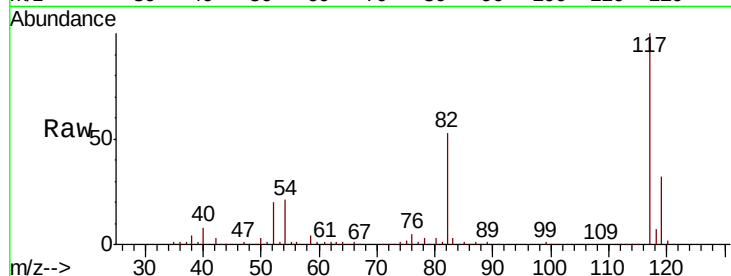
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

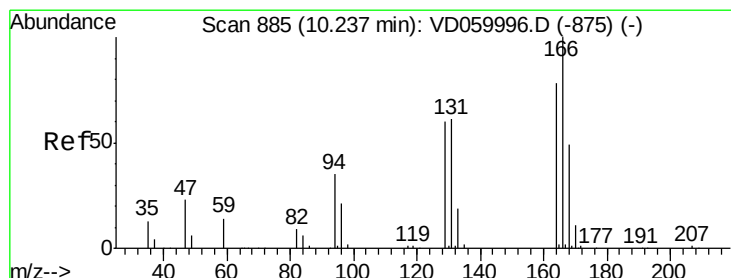
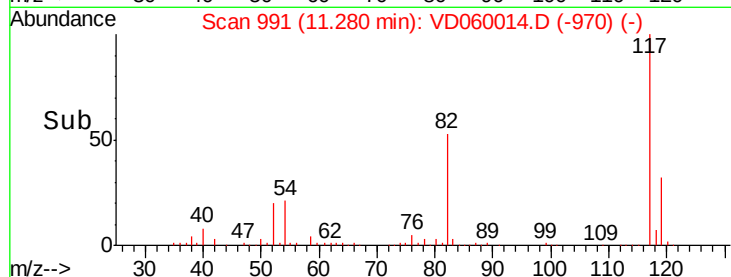
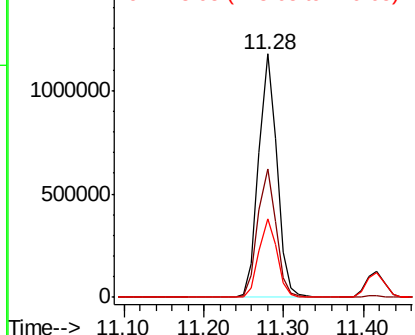
Tot Ion:117 Resp: 1840852
Ion Ratio Lower Upper
117 100
82 52.8 41.7 62.5
119 32.2 26.0 39.0

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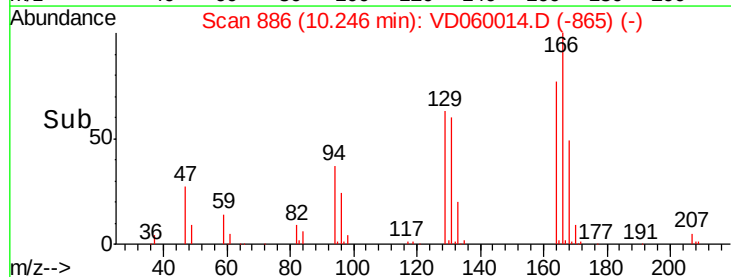
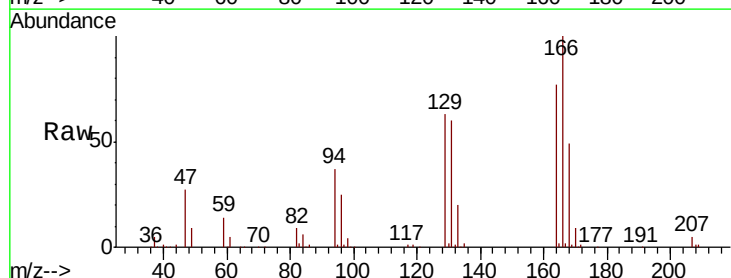
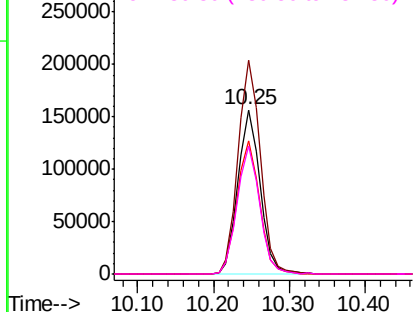
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

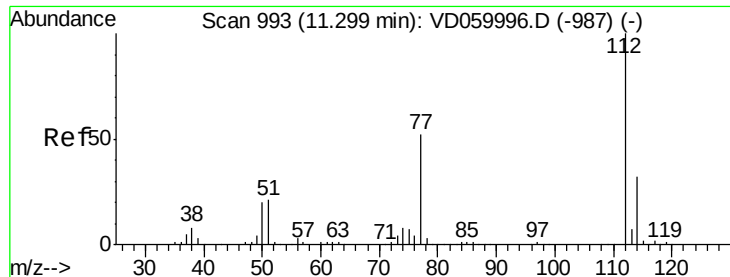


#64
Tetrachloroethene
Concen: 19.54 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion:164 Resp: 317323
Ion Ratio Lower Upper
164 100
166 130.3 103.0 154.6
129 81.5 61.9 92.9
131 78.3 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





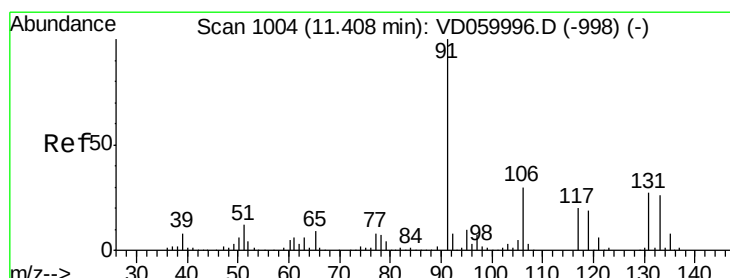
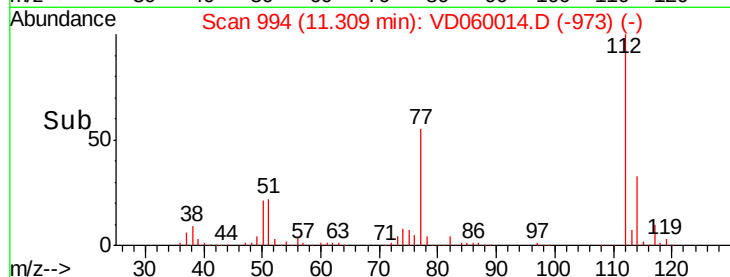
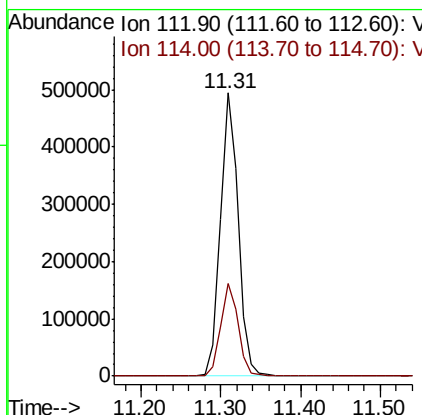
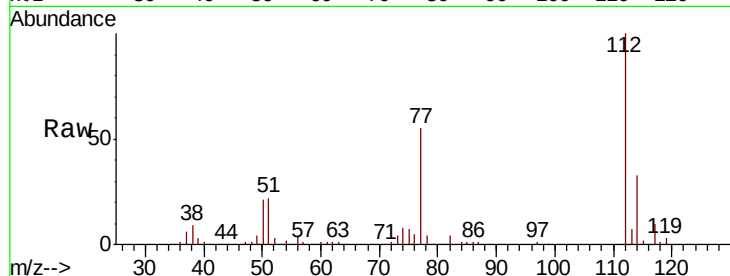
#65
Chlorobenzene
Concen: 19.77 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion:112 Resp: 782616
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

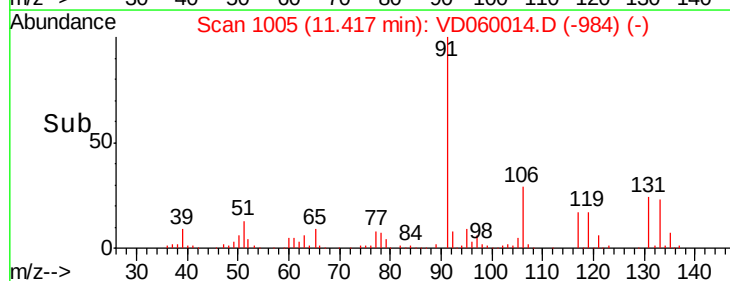
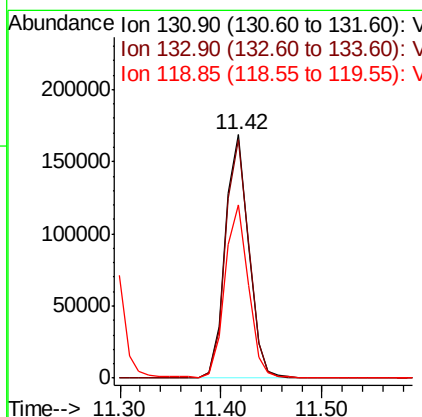
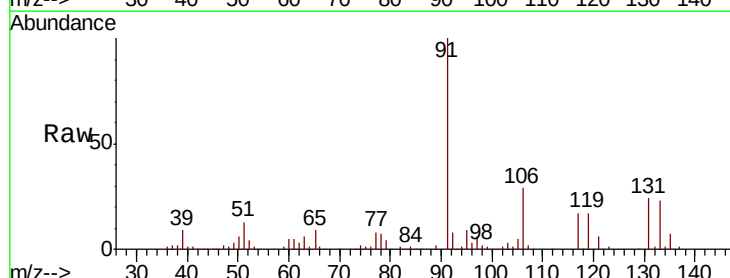
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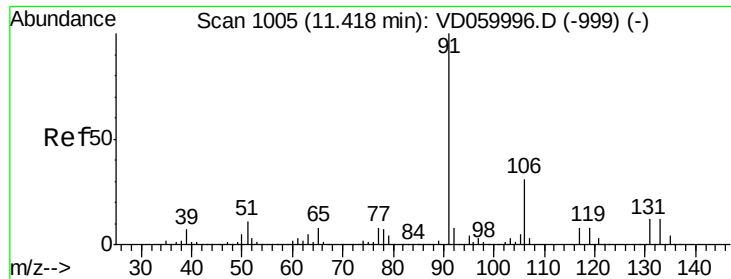
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.40 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion:131 Resp: 272282
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.3
119 71.1 35.6 106.9





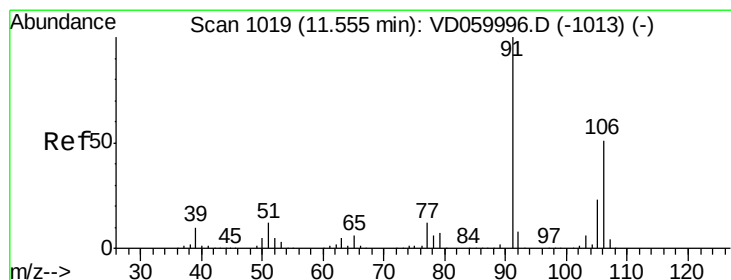
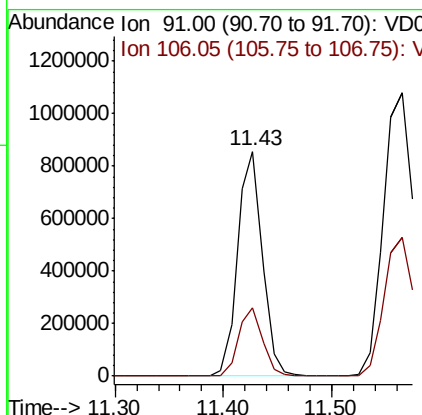
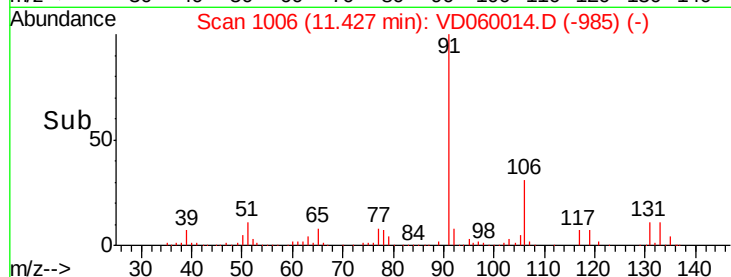
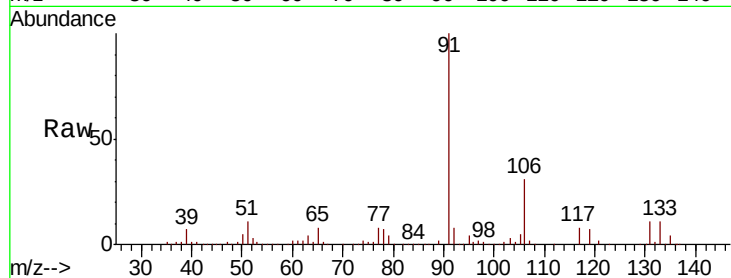
#67
Ethyl Benzene
Concen: 21.34 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 91 Resp: 1359438
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2

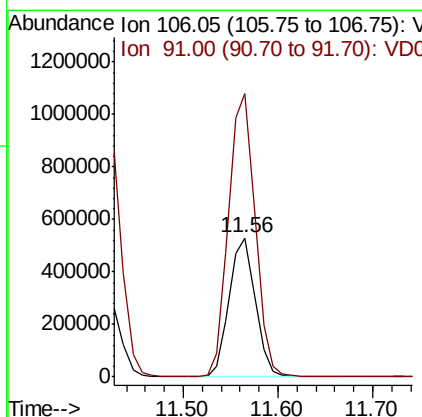
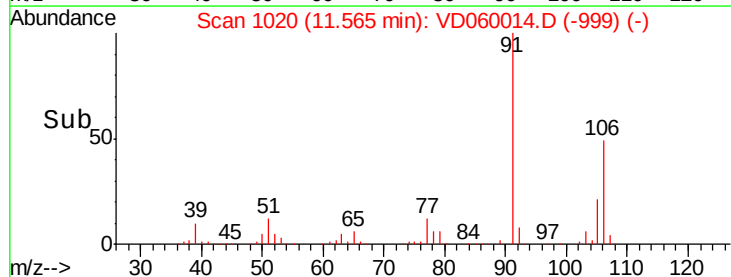
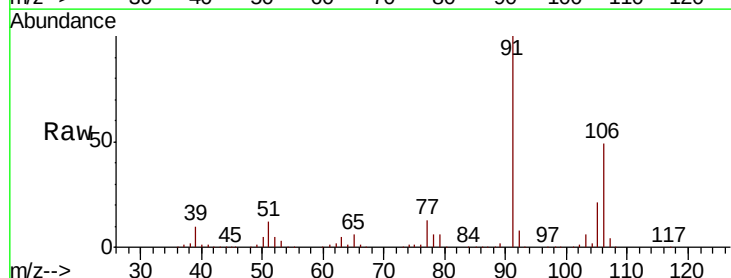
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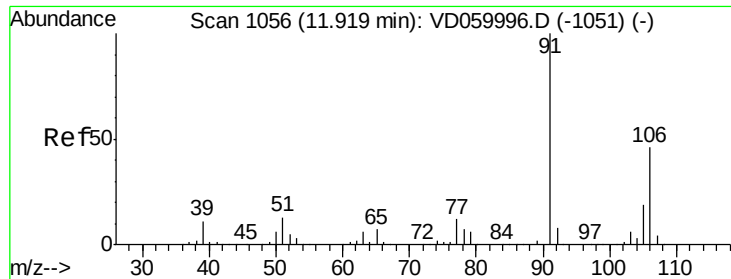
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#68
m/p-Xylenes
Concen: 43.22 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion: 106 Resp: 1016757
Ion Ratio Lower Upper
106 100
91 203.7 157.0 235.6





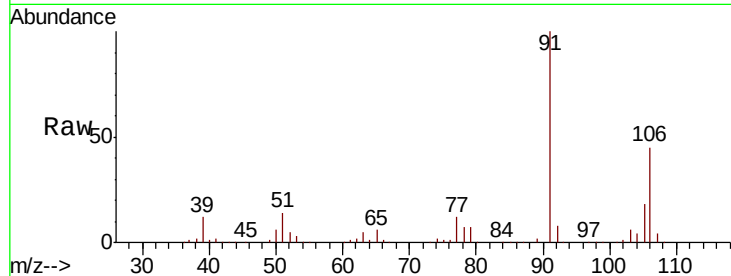
#69
o-Xylene
Concen: 20.95 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

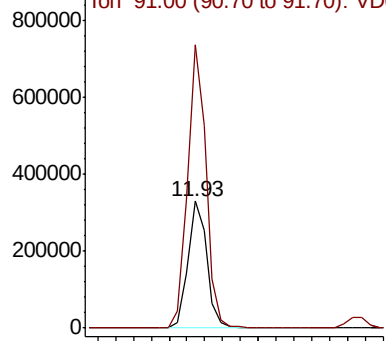
Tot Ion:106 Resp: 488396
Ion Ratio Lower Upper
106 100
91 223.4 107.7 323.1

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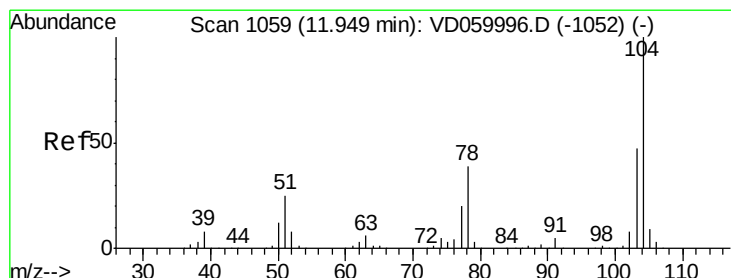
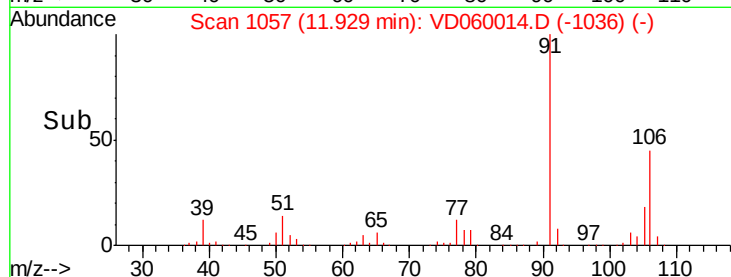
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

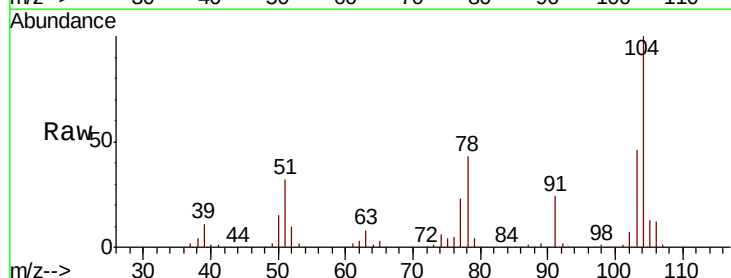


Time-->

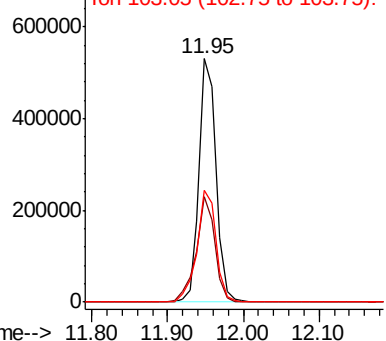


#70
Styrene
Concen: 20.95 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

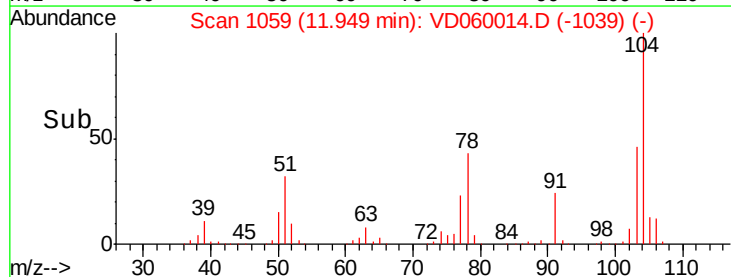
Tgt Ion:104 Resp: 821171
Ion Ratio Lower Upper
104 100
78 43.1 31.0 46.4
103 45.9 37.6 56.4

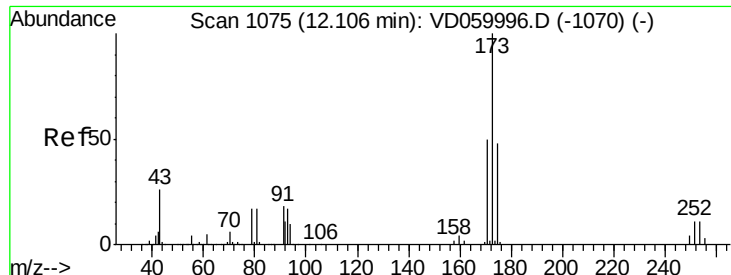


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 18.52 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

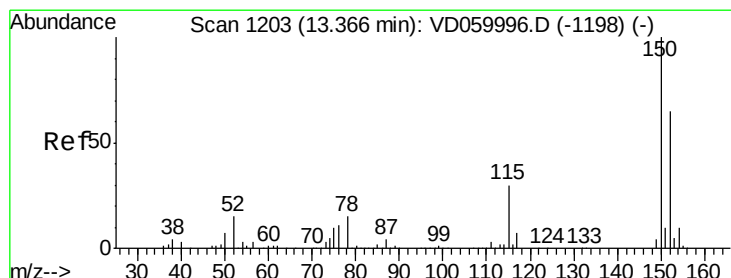
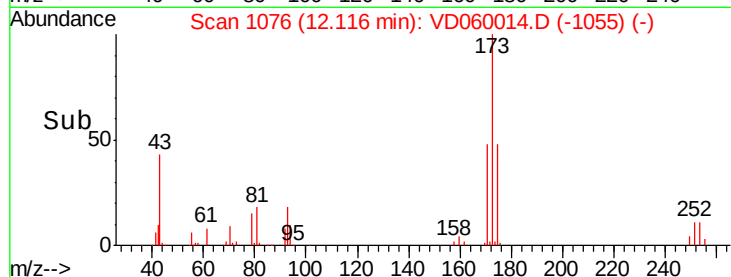
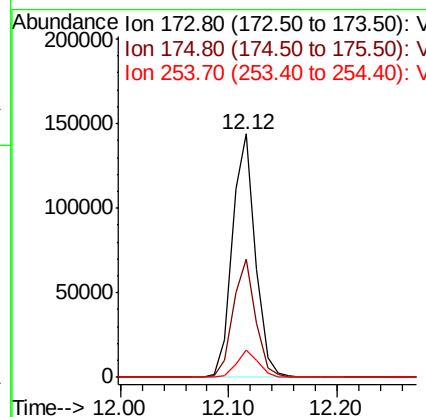
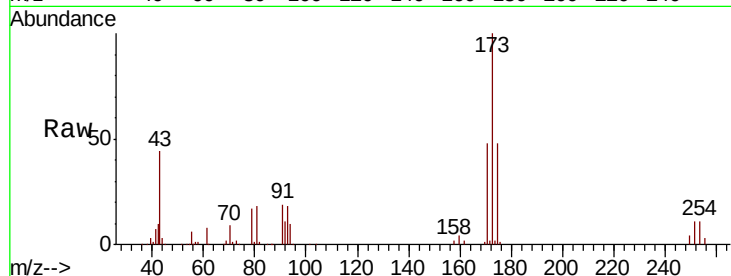
ClientSampleId :

VD0917SBS01

Tot Ion:	173	Resp:	212392
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.0	72.0
254	11.2	8.6	13.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

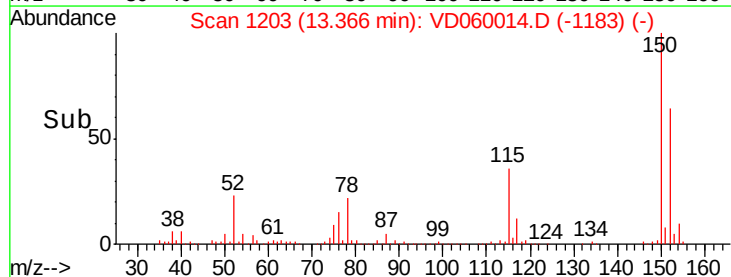
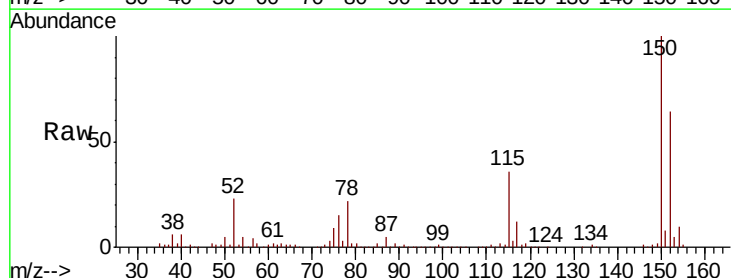
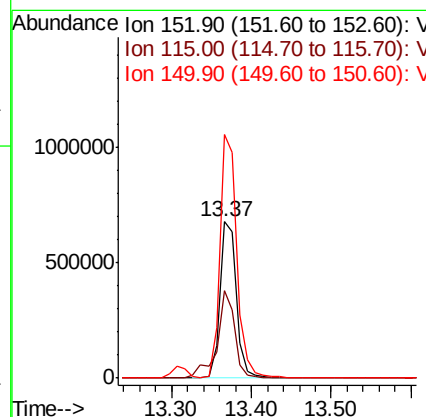
RT: 13.37 min Scan# 1203

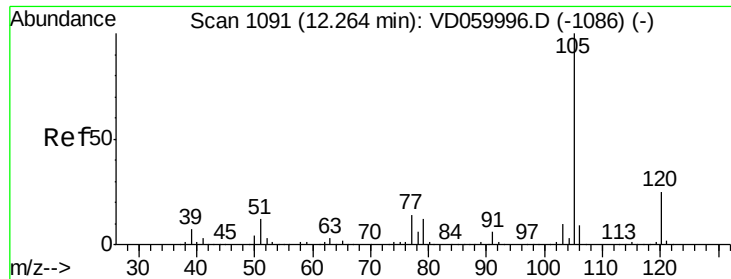
Delta R.T. -0.00 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tgt Ion:	152	Resp:	981703
Ion Ratio	Lower	Upper	
152	100		
115	56.1	24.6	73.8
150	155.7	0.0	313.4





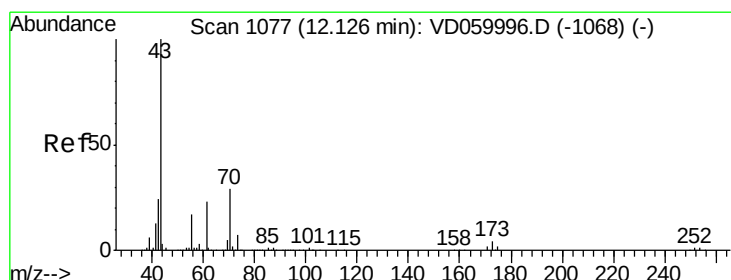
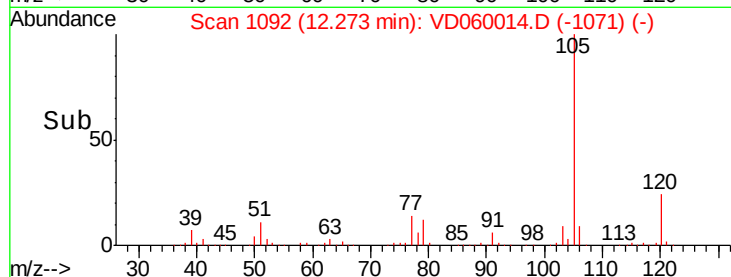
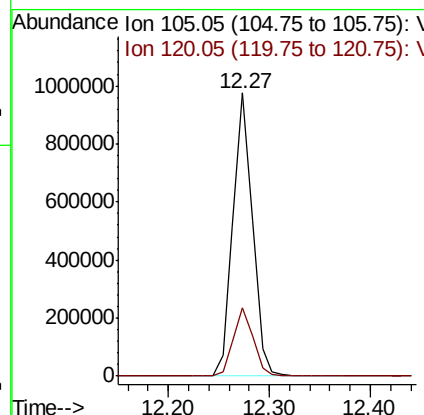
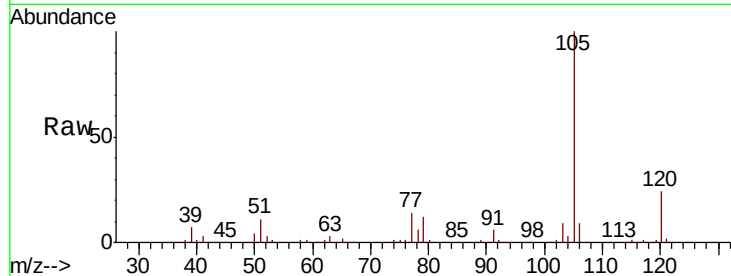
#73
Isopropylbenzene
Concen: 20.40 ug/l
RT: 12.27 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion:105 Resp: 1313291
Ion Ratio Lower Upper
105 100
120 24.0 12.3 36.9

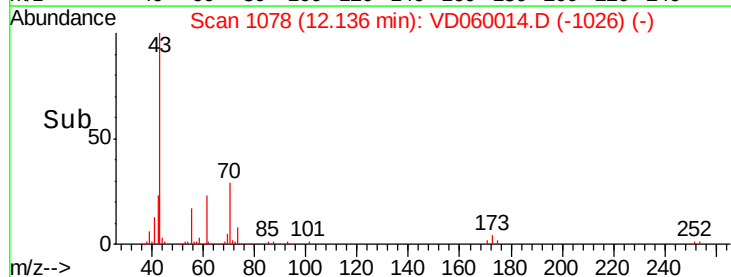
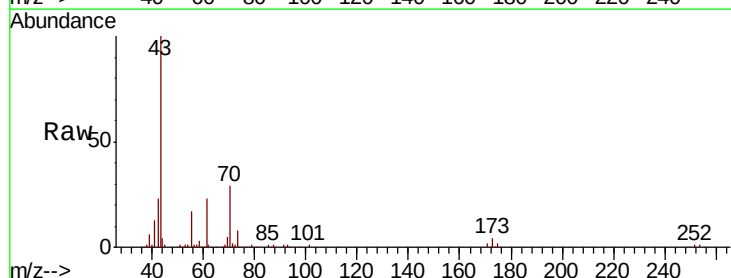
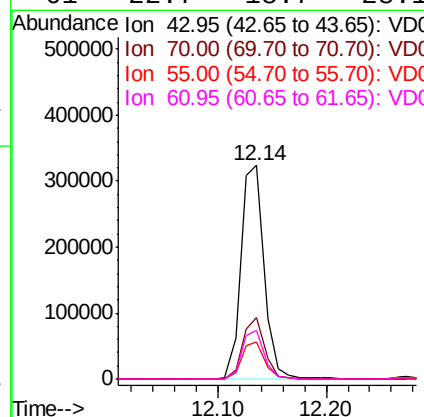
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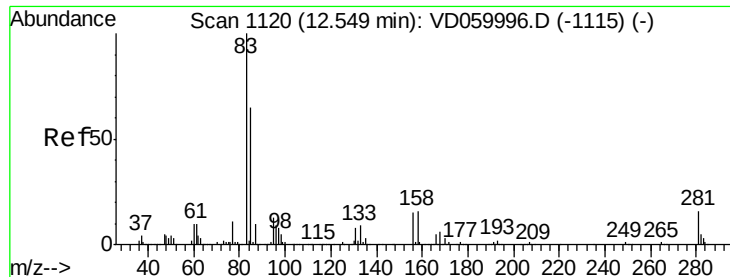
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#74
N-ethyl acetate
Concen: 18.94 ug/l
RT: 12.14 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion: 43 Resp: 483111
Ion Ratio Lower Upper
43 100
70 28.7 22.9 34.3
55 17.2 14.0 21.0
61 22.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.66 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 83 Resp: 272603

Ion Ratio Lower Upper

83 100

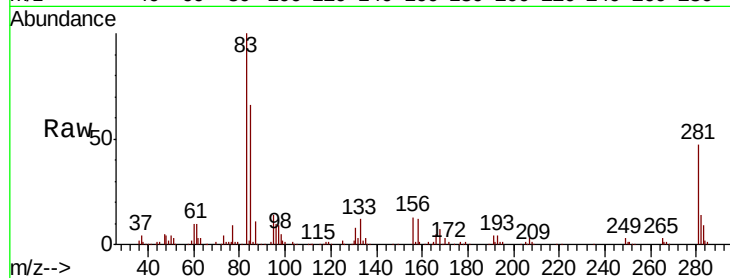
131 7.8 4.1 12.3

85 65.6 32.4 97.2

Manual Integrations
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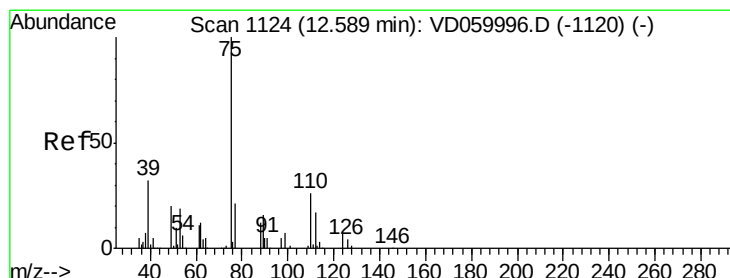
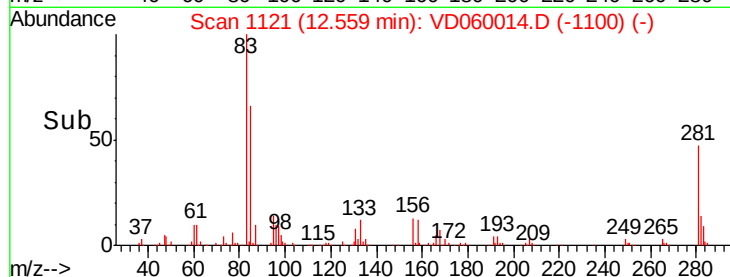
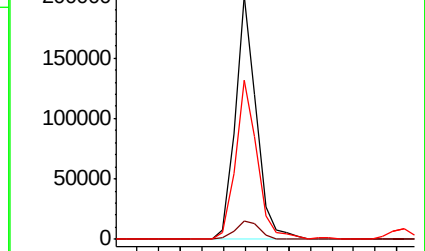
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.14 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060014.D

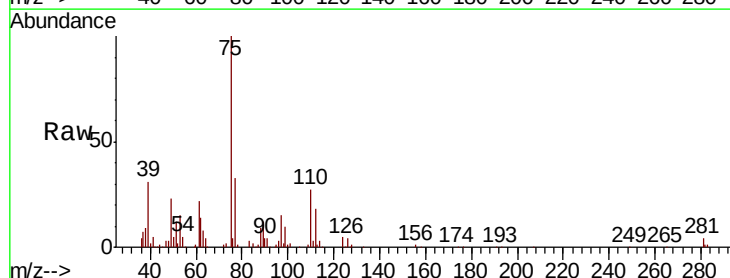
Acq: 17 Sep 2018 11:52

Tgt Ion: 75 Resp: 286905

Ion Ratio Lower Upper

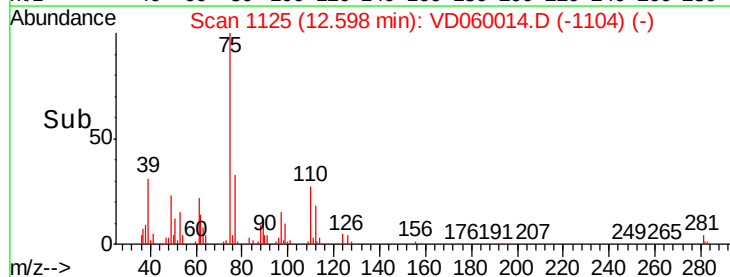
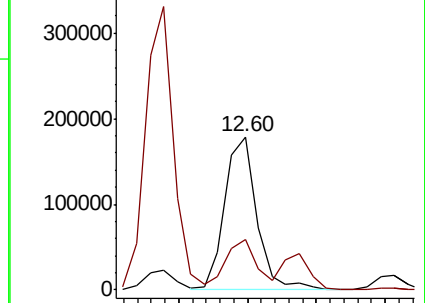
75 100

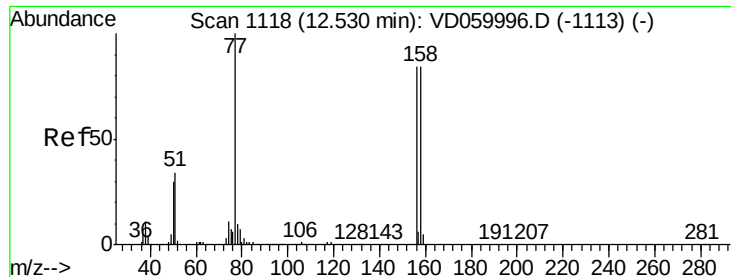
77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.01 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

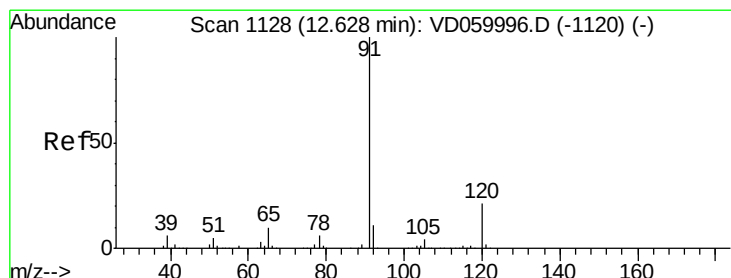
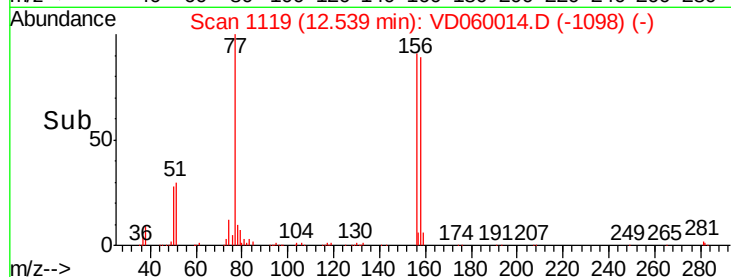
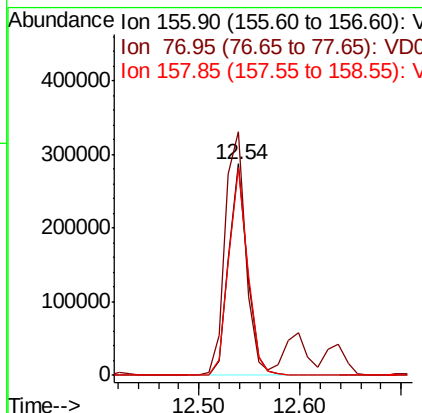
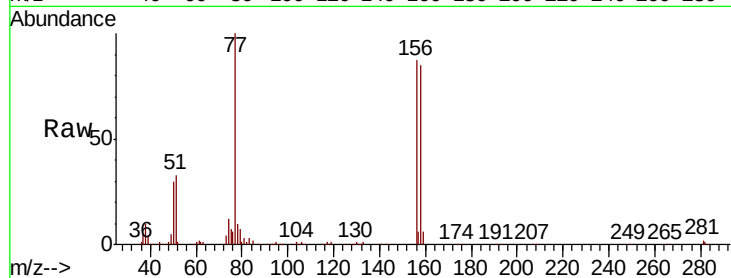
ClientSampleId :

VD0917SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	115.3	59.5	178.4
158	98.5	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.99 ug/l

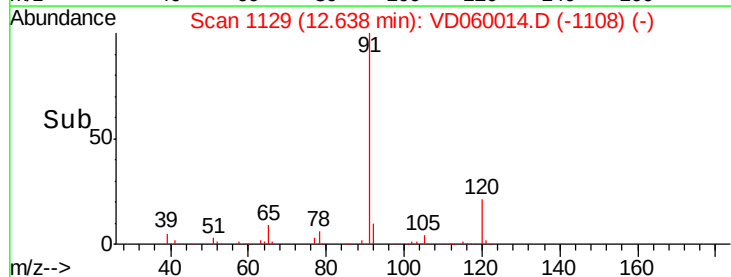
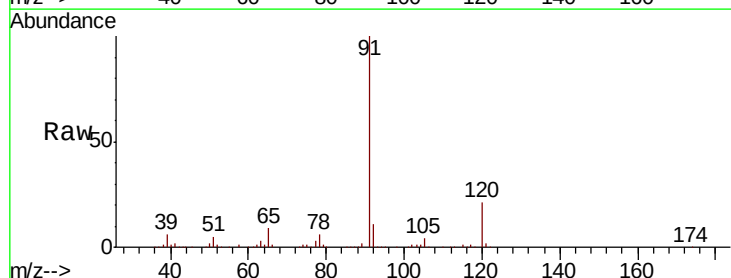
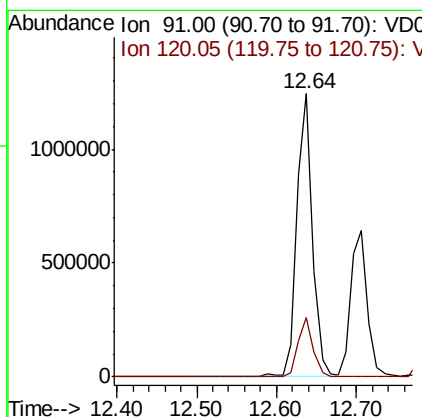
RT: 12.64 min Scan# 1129

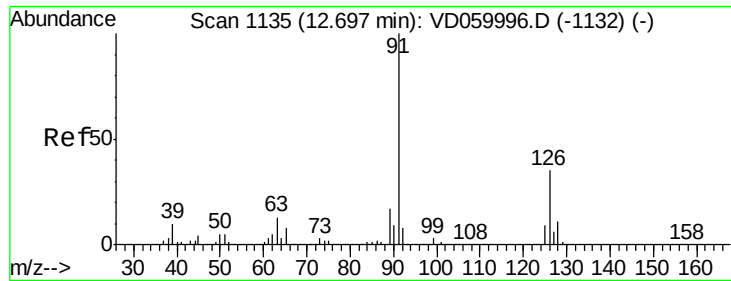
Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.7	31.9





#79

2-Chlorotoluene

Concen: 20.22 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 91 Resp: 924093

Ion Ratio Lower Upper

91 100

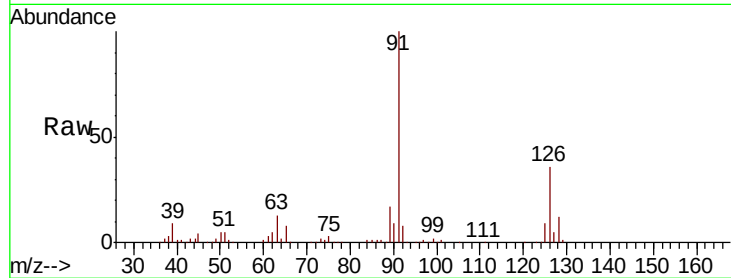
126 35.6 17.3 52.0

Manual Integrations

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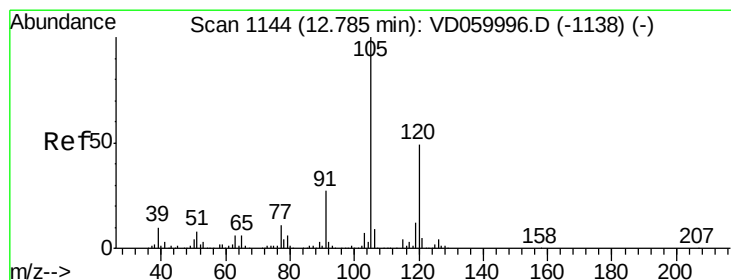
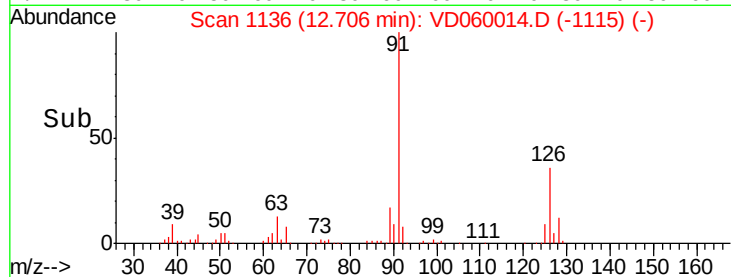
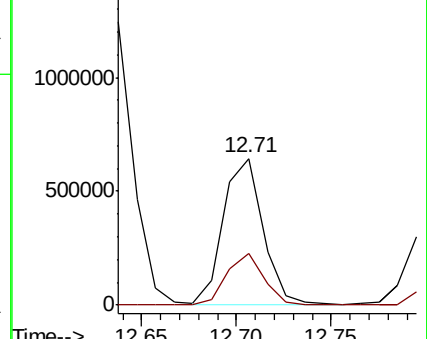
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.58 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060014.D

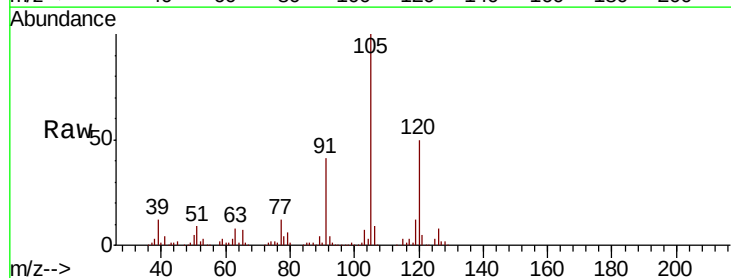
Acq: 17 Sep 2018 11:52

Tgt Ion:105 Resp: 1065110

Ion Ratio Lower Upper

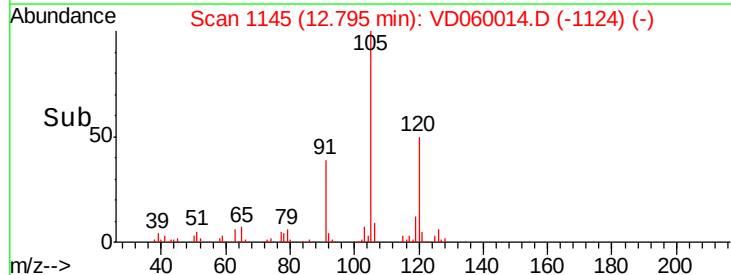
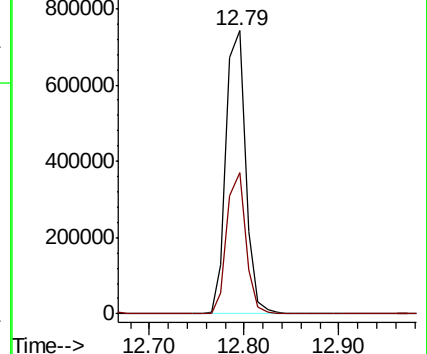
105 100

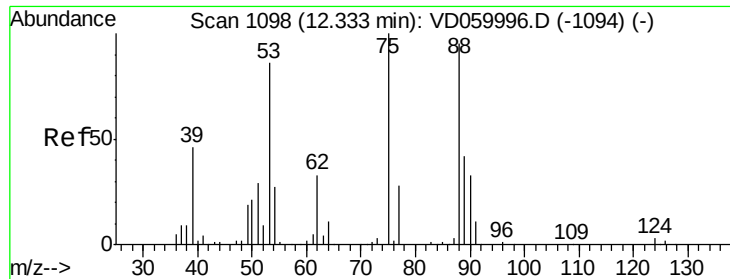
120 50.1 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





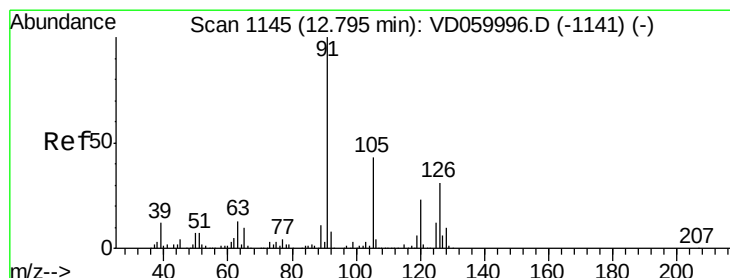
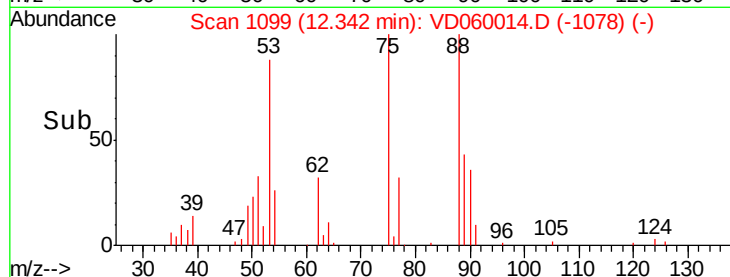
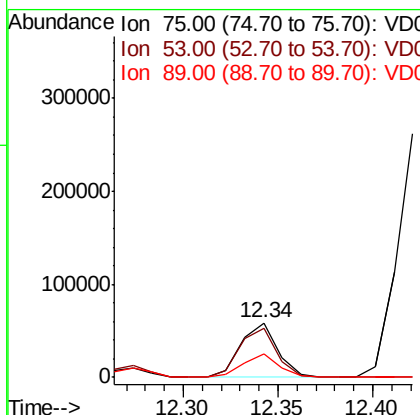
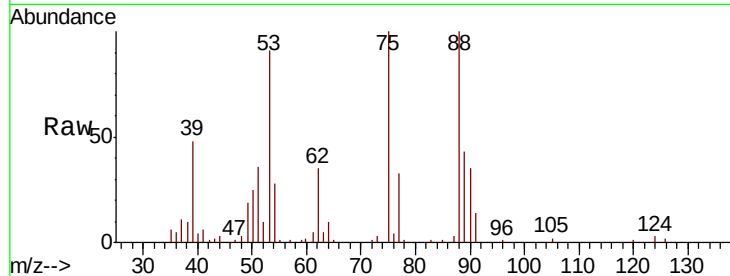
#81
trans-1,4-Dichloro-2-butene
Concen: 17.68 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	68.4	102.6
89	43.0	33.8	50.6

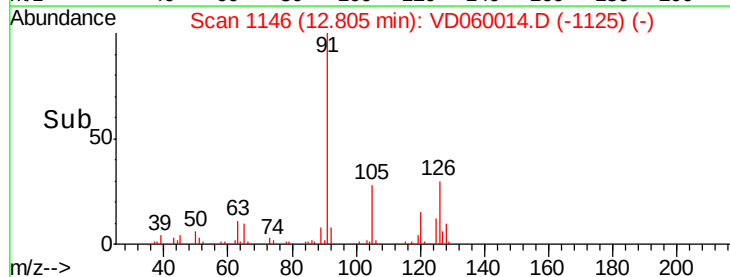
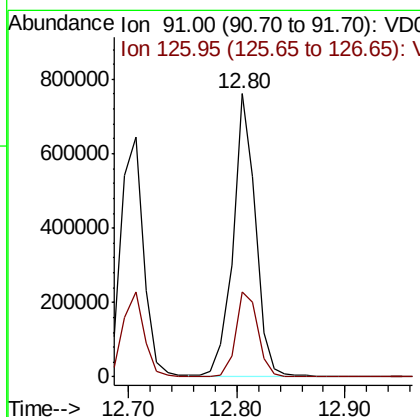
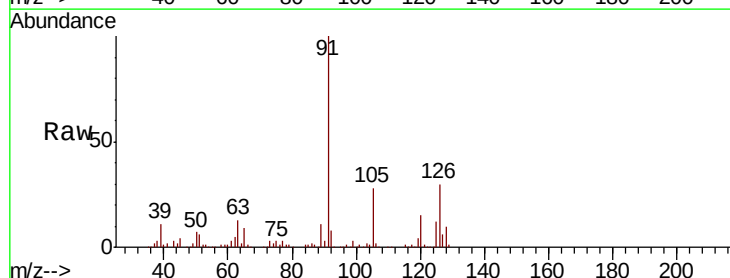
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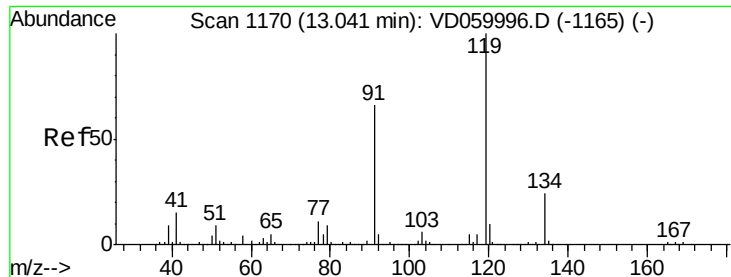
apatel
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#82
4-Chlorotoluene
Concen: 21.69 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.4	46.1





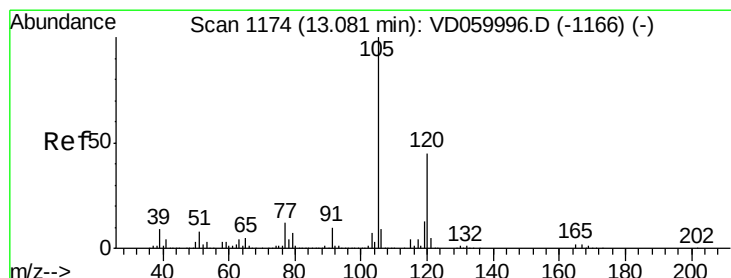
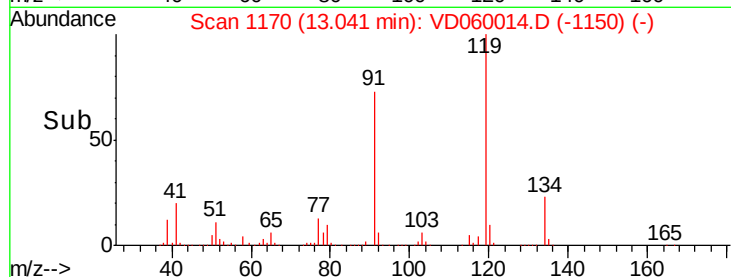
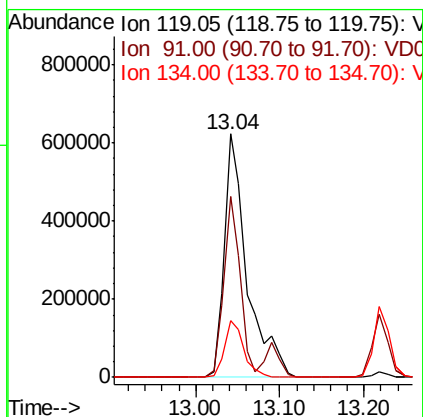
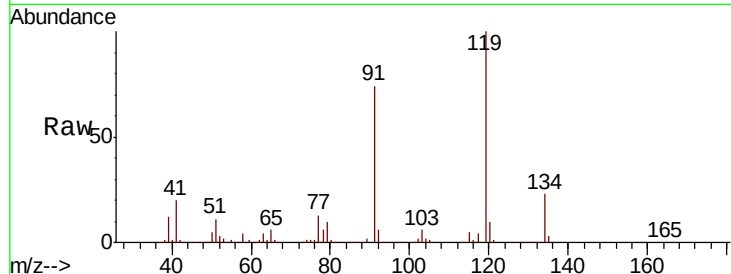
#83
 tert-Butylbenzene
 Concen: 20.62 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.3	32.9	98.6
134	23.5	12.0	36.0

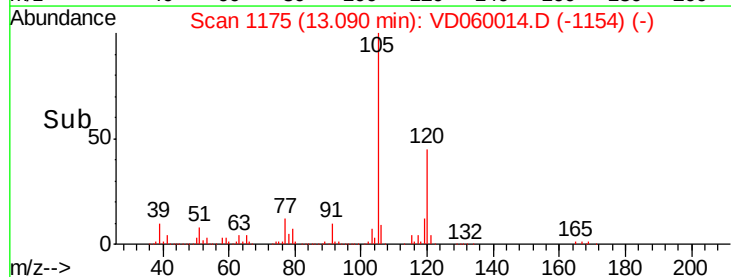
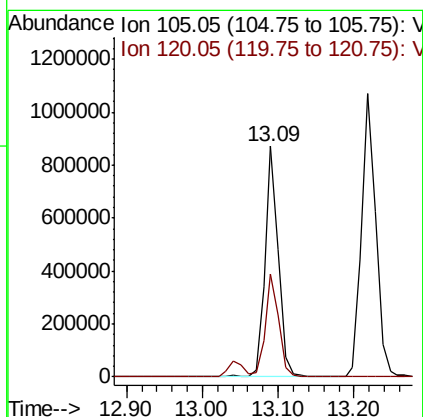
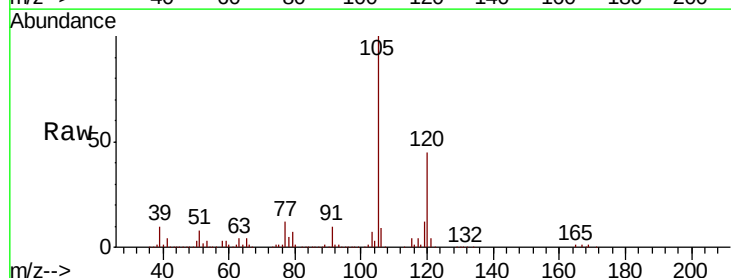
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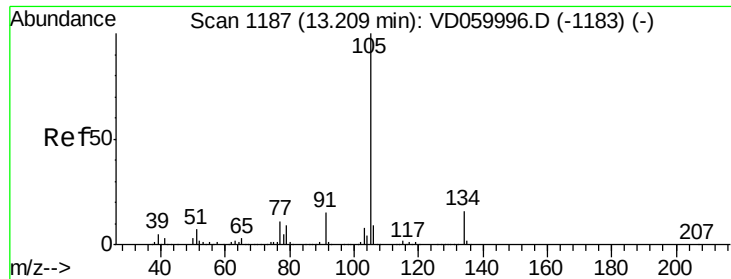
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.44 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.28 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:105 Resp: 1376407

Ion Ratio Lower Upper

105 100

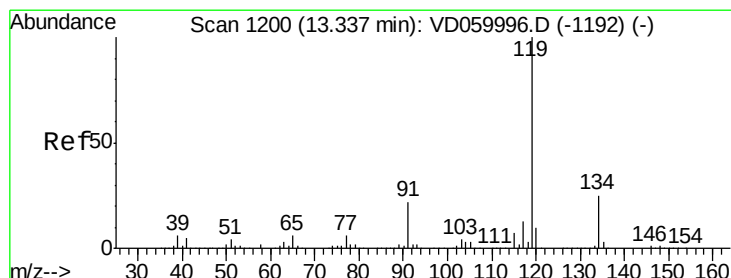
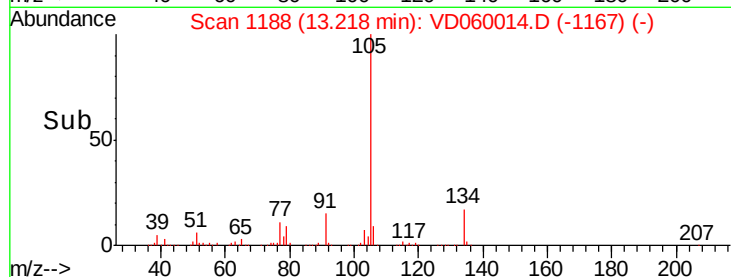
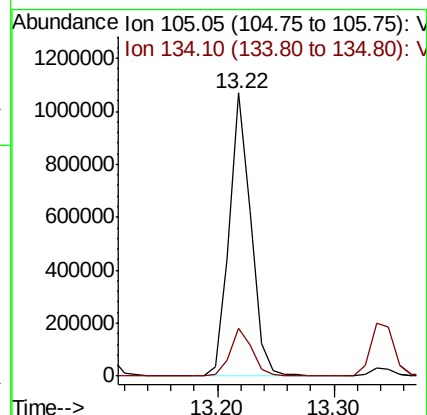
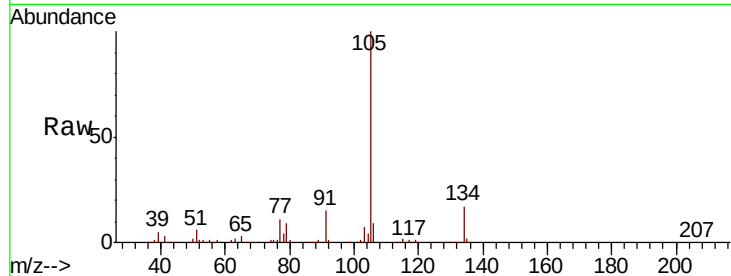
134 17.1 8.2 24.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.02 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD060014.D

Acq: 17 Sep 2018 11:52

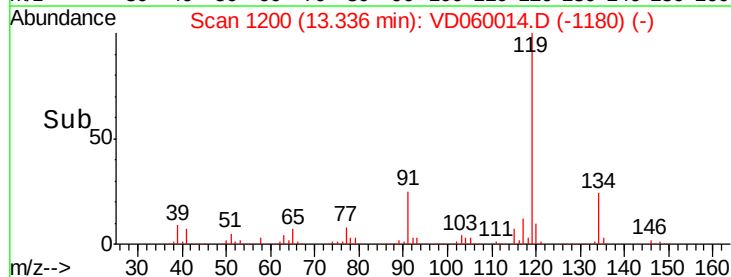
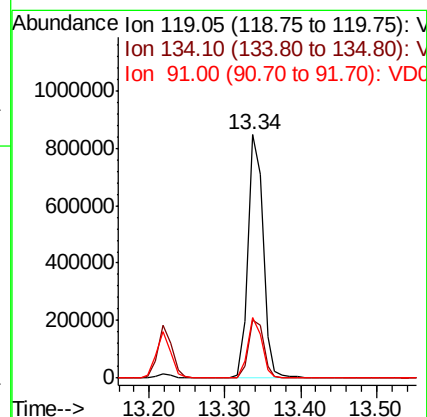
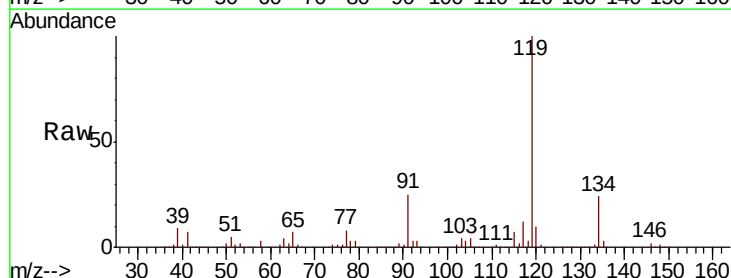
Tgt Ion:119 Resp: 1153649

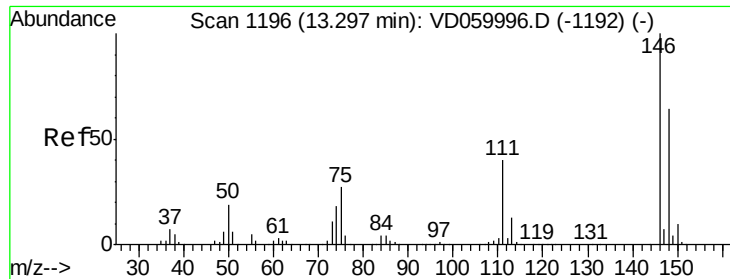
Ion Ratio Lower Upper

119 100

134 23.7 12.8 38.3

91 24.8 11.1 33.3





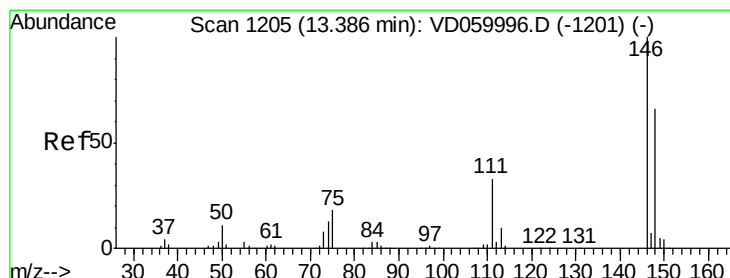
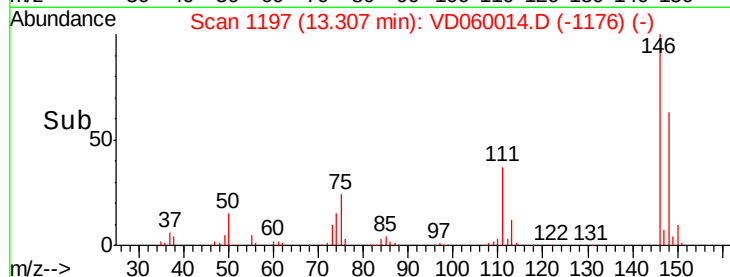
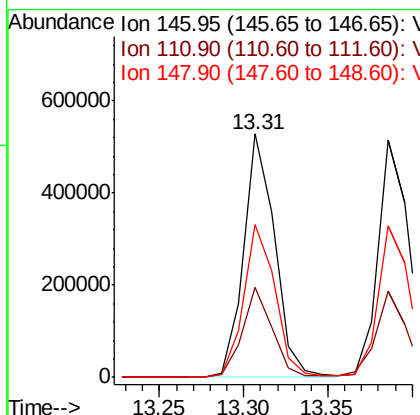
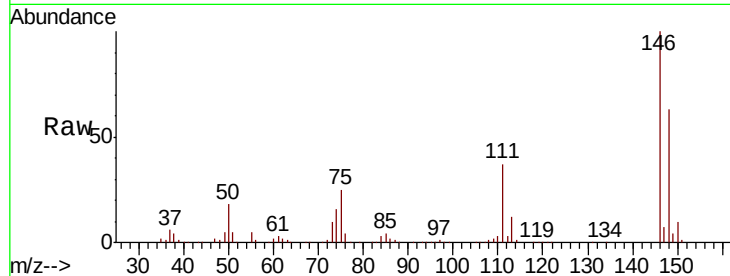
#87
 1,3-Dichlorobenzene
 Concen: 21.06 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.2	60.5
148	63.0	32.0	96.2

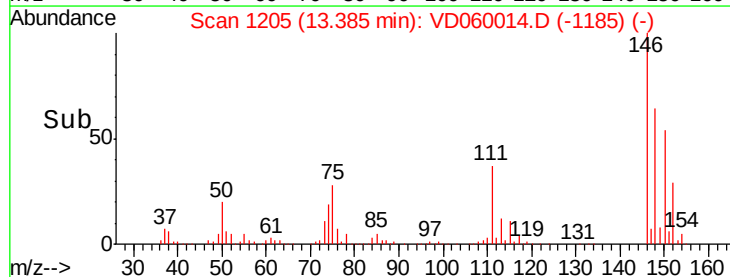
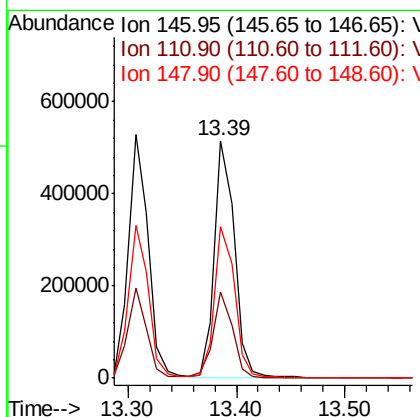
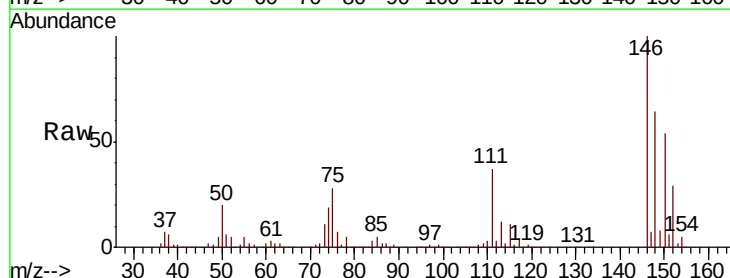
Manual Integrations
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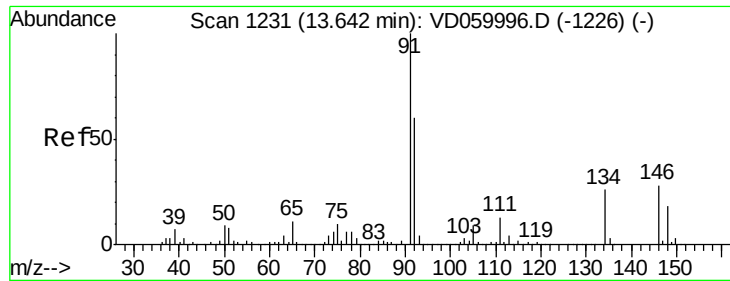
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#88
 1,4-Dichlorobenzene
 Concen: 20.34 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	16.7	50.0
148	63.8	32.9	98.6





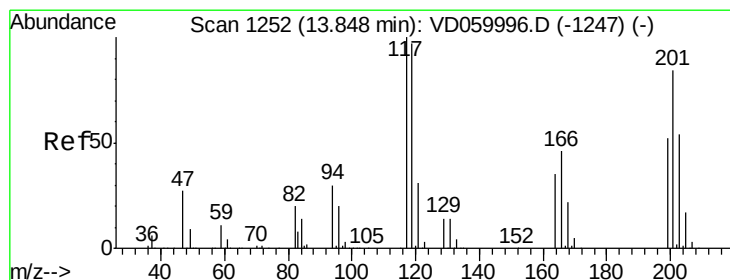
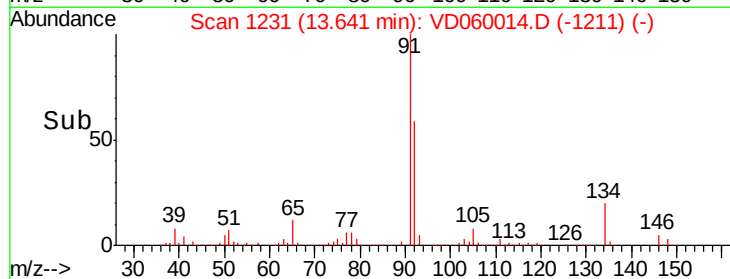
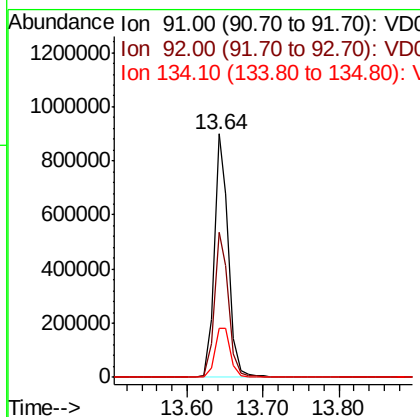
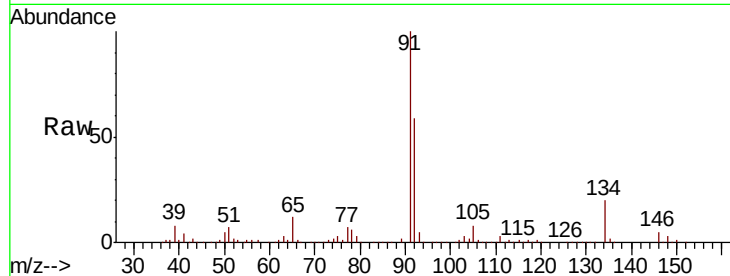
#89
n-Butylbenzene
Concen: 19.84 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 91 Resp: 1182804
Ion Ratio Lower Upper
91 100
92 59.4 29.8 89.3
134 20.4 13.2 39.6

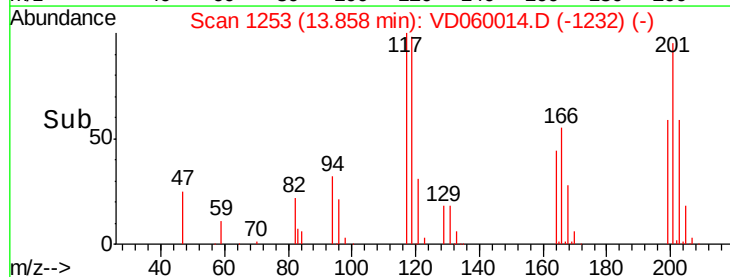
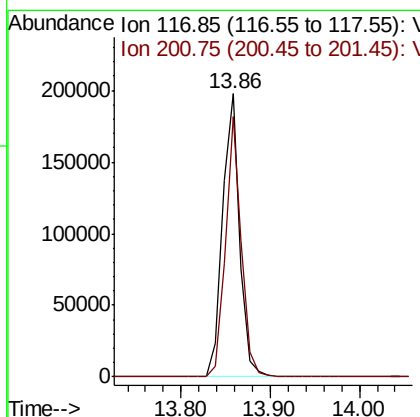
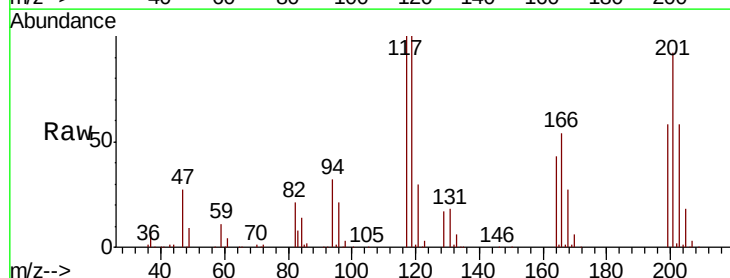
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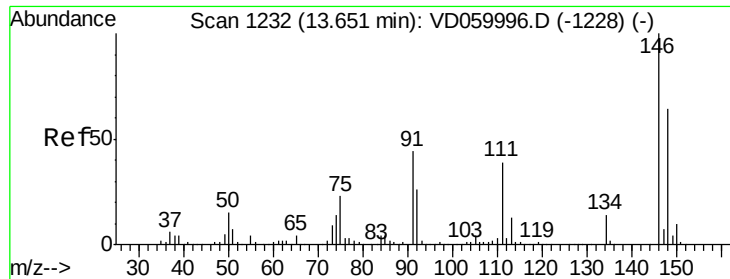
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#90
Hexachloroethane
Concen: 19.69 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion: 117 Resp: 267709
Ion Ratio Lower Upper
117 100
201 92.0 42.1 126.4





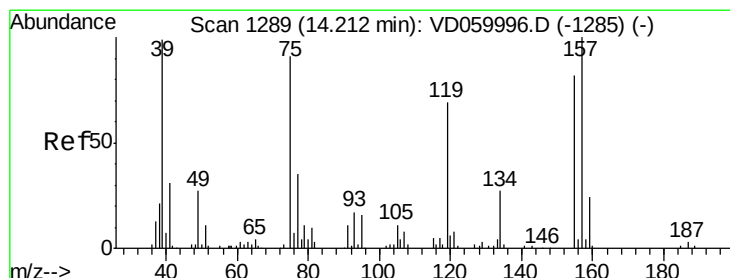
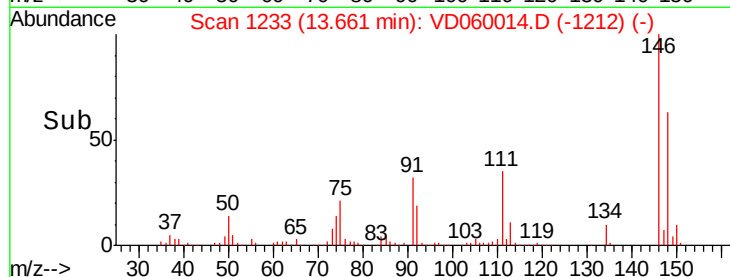
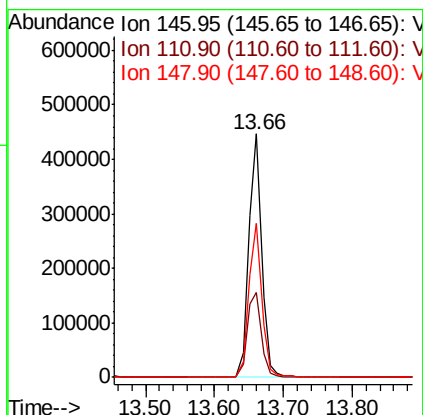
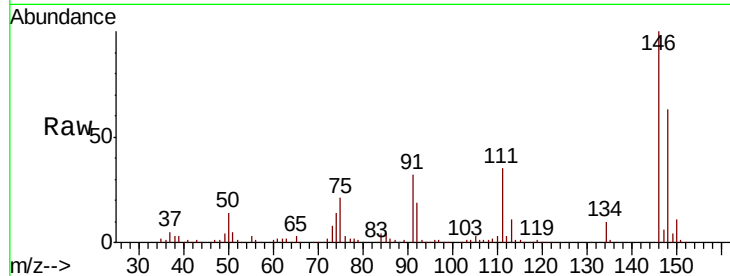
#91
 1,2-Dichlorobenzene
 Concen: 19.10 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.7	19.6	58.7
148	63.1	31.9	95.7

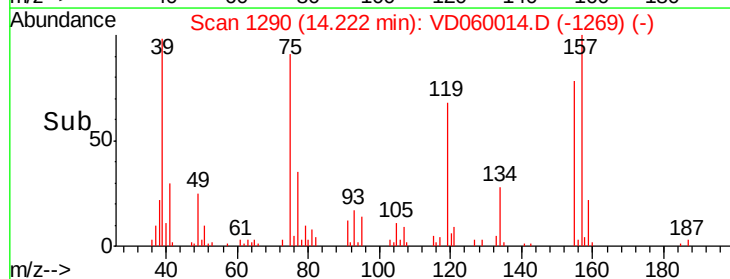
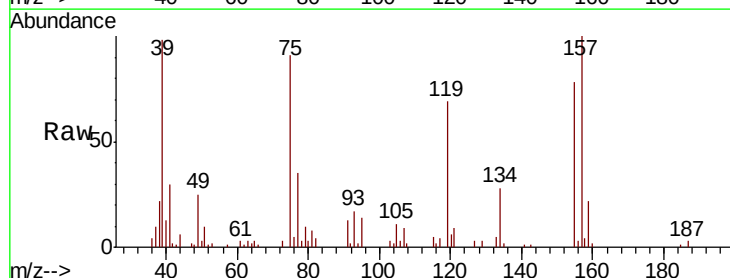
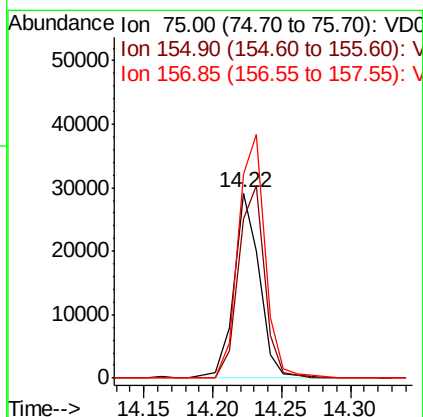
Manual Integrations
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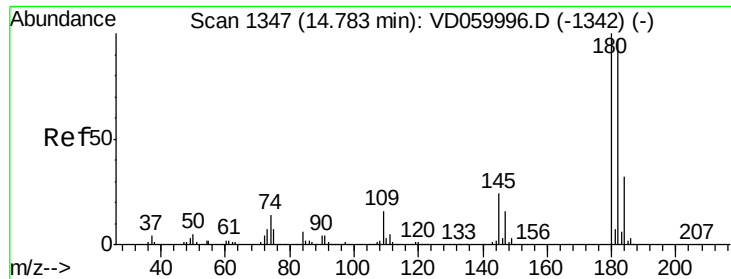
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.83 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	44.7	134.1
157	110.4	54.7	164.1





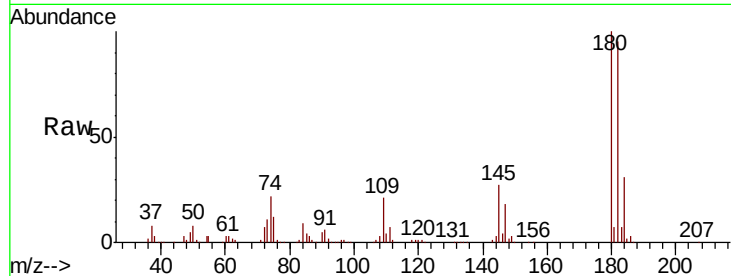
#93
 1,2,4-Trichlorobenzene
 Concen: 19.96 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

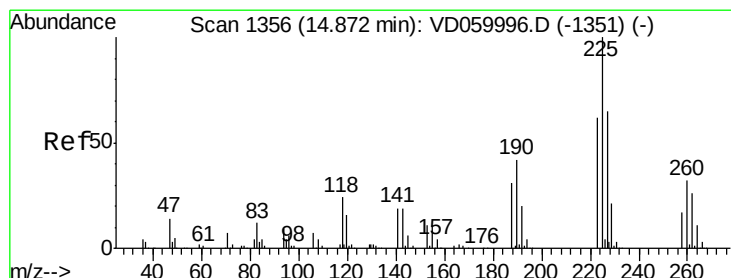
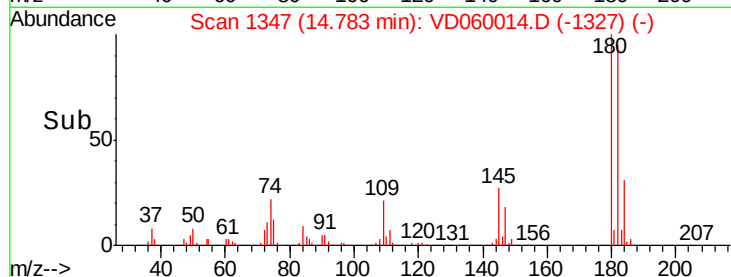
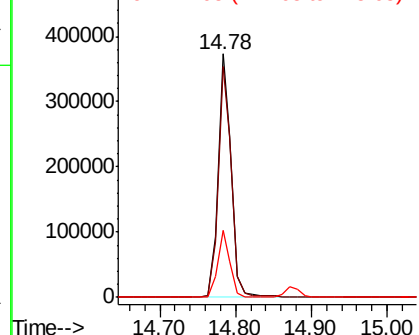
Tot Ion	Ratio	Resp	Lower	Upper
180	100	458804		
182	94.9	48.5	145.6	
145	27.5	11.9	35.7	

Manual Integrations
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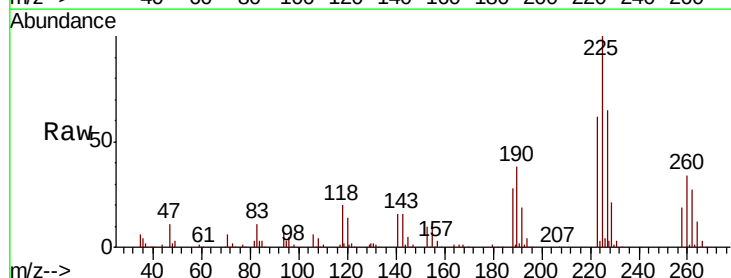


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

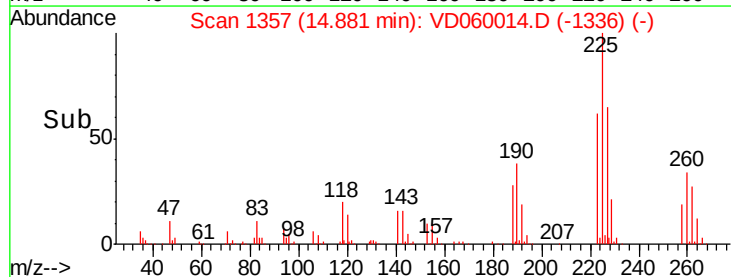
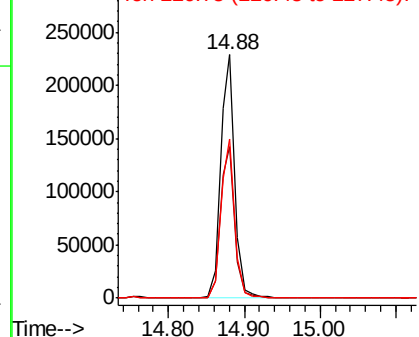


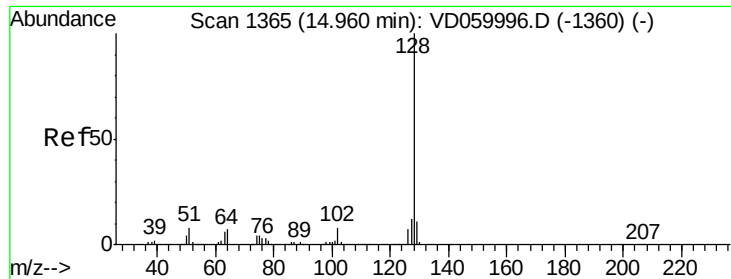
#94
 Hexachlorobutadiene
 Concen: 19.90 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060014.D
 Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	302598		
223	62.2	31.2	93.6	
227	65.3	32.3	96.8	



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





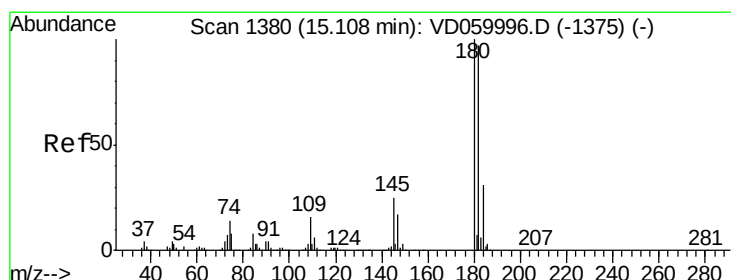
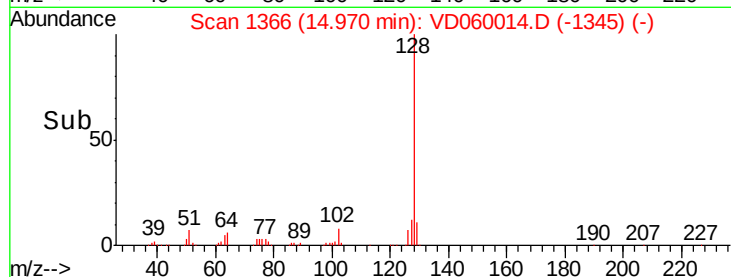
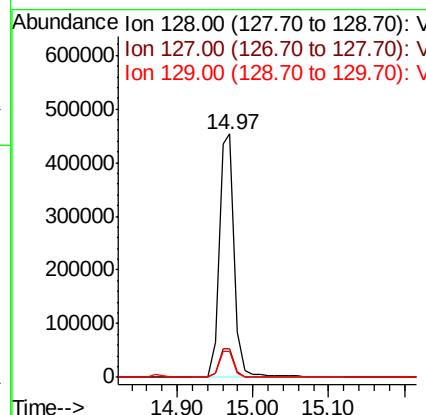
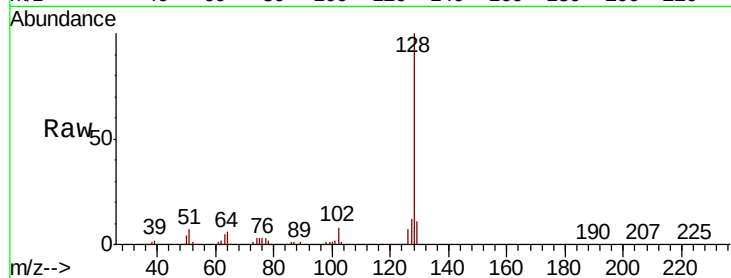
#95
Naphthalene
Concen: 18.07 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	641461		
127	11.6		9.7	14.5
129	10.7		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.72 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060014.D
Acq: 17 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	379179		
182	98.3		48.6	145.9
145	30.2		12.7	38.1

