

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060117.D
 Acq On : 3 Oct 2018 14:41
 Operator : VA/AP
 Sample : VD1003SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Manual Integrations
 APPROVED

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 10/4/2018 4:44:55 PM

Quant Time: Oct 04 04:46:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1652034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2255881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1824956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	985066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	638881	51.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	6.32	113	859362	50.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	9.44	98	2426364	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.43	95	901445	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	279112	17.961	ug/l	98
3) Chloromethane	1.75	50	292329	20.861	ug/l	98
4) Vinyl Chloride	1.84	62	231539	20.190	ug/l	100
5) Bromomethane	2.12	94	20152	13.995	ug/l	97
6) Chloroethane	2.23	64	49961	15.965	ug/l	98
7) Trichlorofluoromethane	2.49	101	253205	18.440	ug/l	100
8) Diethyl Ether	2.81	74	60261	21.342	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	173567	20.290	ug/l	97
10) Methyl Iodide	3.23	142	148879	16.411	ug/l	97
11) Tert butyl alcohol	3.97	59	91029	101.356	ug/l	96
12) 1,1-Dichloroethene	3.05	96	137692	20.432	ug/l	95
13) Acrolein	2.97	56	55824	100.832	ug/l	98
14) Allyl chloride	3.51	41	277342	19.815	ug/l	99
15) Acrylonitrile	4.07	53	388037	104.385	ug/l	99
16) Acetone	3.15	43	249448	109.779	ug/l	96
17) Carbon Disulfide	3.29	76	448141	19.775	ug/l	99
18) Methyl Acetate	3.54	43	91054	18.644	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	619299	20.901	ug/l	97
20) Methylene Chloride	3.70	84	627428	33.676	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	348513	20.024	ug/l	99
22) Diisopropyl ether	4.84	45	1304860	20.875	ug/l	93
23) Vinyl Acetate	4.79	43	3788986	107.839	ug/l	100
24) 1,1-Dichloroethane	4.74	63	572472	20.199	ug/l	99
25) 2-Butanone	5.61	43	632770	111.467	ug/l	96
26) 2,2-Dichloropropane	5.57	77	435262	20.259	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	374042	20.284	ug/l	95
28) Bromochloromethane	5.91	49	281562	20.444	ug/l	97
29) Tetrahydrofuran	5.94	42	351167	106.501	ug/l	98
30) Chloroform	6.09	83	591562	20.634	ug/l	99
31) Cyclohexane	6.35	56	542922	20.012	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	473613	20.164	ug/l	96
36) 1,1-Dichloropropene	6.51	75	434823	20.171	ug/l	98
37) Ethyl Acetate	5.69	43	303564	21.215	ug/l	99
38) Carbon Tetrachloride	6.48	117	400876	20.489	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	506544	20.681	ug/l	98
40) Benzene	6.78	78	1182035	20.959	ug/l	99
41) Methacrylonitrile	5.91	41	152581m	18.866	ug/l	
42) 1,2-Dichloroethane	6.89	62	336835	20.832	ug/l	99
43) Isopropyl Acetate	8.34	43	396478	21.062	ug/l #	97
44) Trichloroethene	7.73	130	356983	20.448	ug/l	99
45) 1,2-Dichloropropane	8.10	63	309248	20.942	ug/l	100
46) Dibromomethane	8.20	93	199219	20.838	ug/l	94
47) Bromodichloromethane	8.48	83	429573	21.088	ug/l	98
48) Methyl methacrylate	8.23	41	228383	21.299	ug/l	98
49) 1,4-Dioxane	8.22	88	44125	418.232	ug/l	99
51) 4-Methyl-2-Pentanone	9.34	43	1314095	110.677	ug/l	97
52) Toluene	9.54	92	752697	20.723	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	389999	21.159	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	481575	21.158	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	248452	20.924	ug/l	98
56) Ethyl methacrylate	10.03	69	280750	21.420	ug/l	99
57) 1,3-Dichloropropane	10.38	76	377253	20.832	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	809849	111.266	ug/l	96
59) 2-Hexanone	10.49	43	964399	112.956	ug/l	99
60) Dibromochloromethane	10.64	129	309929	21.274	ug/l	98
61) 1,2-Dibromoethane	10.75	107	264826	20.991	ug/l	96
64) Tetrachloroethene	10.24	164	324236	20.285	ug/l	99
65) Chlorobenzene	11.31	112	818963	20.743	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	285331	21.664	ug/l	99
67) Ethyl Benzene	11.42	91	1437674	22.476	ug/l	99
68) m/p-Xylenes	11.56	106	1025976	42.928	ug/l	98
69) o-Xylene	11.93	106	499493	21.129	ug/l	95
70) Styrene	11.95	104	842367	21.308	ug/l	99
71) Bromoform	12.11	173	220441	20.669	ug/l	99
73) Isopropylbenzene	12.27	105	1320594	20.321	ug/l	97
74) N-amyl acetate	12.13	43	510363	21.440	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	288299	20.321	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	293064	20.658	ug/l	99
77) Bromobenzene	12.53	156	382785	20.270	ug/l	99
78) n-propylbenzene	12.63	91	1680106	20.821	ug/l	100
79) 2-Chlorotoluene	12.70	91	929697	20.759	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1100994	21.890	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	81308	20.398	ug/l	97
82) 4-Chlorotoluene	12.81	91	1113964	21.991	ug/l	99
83) tert-Butylbenzene	13.05	119	1192126	20.654	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1073363	20.249	ug/l	99
85) sec-Butylbenzene	13.22	105	1451970	21.276	ug/l	99
86) p-Isopropyltoluene	13.34	119	1151275	20.568	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	686935	20.878	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	672083	20.336	ug/l	98
89) n-Butylbenzene	13.65	91	1189689	21.782	ug/l	98
90) Hexachloroethane	13.85	117	269698	20.819	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	589454	21.307	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	39392	20.795	ug/l	97

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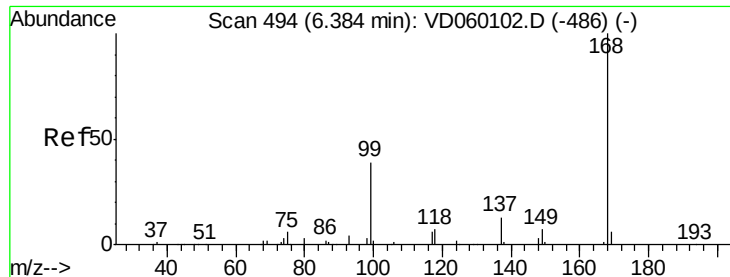
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	488969	20.823	ug/l	98
94) Hexachlorobutadiene	14.88	225	333803	21.386	ug/l	97
95) Naphthalene	14.97	128	712669	20.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	417627	20.445	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:168 Resp: 1652034

Ion Ratio Lower Upper

168 100

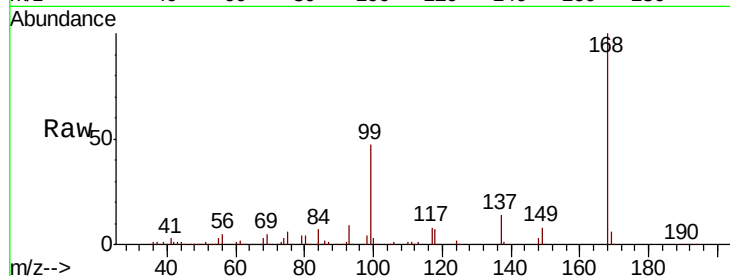
99 47.4 35.4 53.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.39

600000

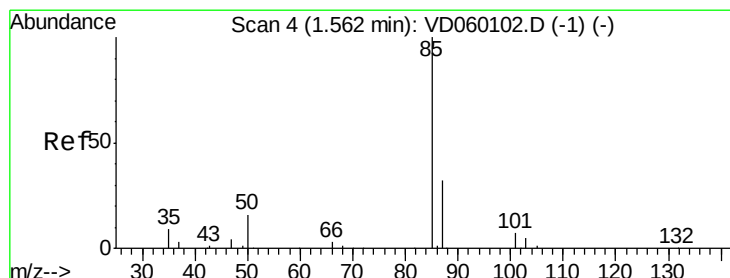
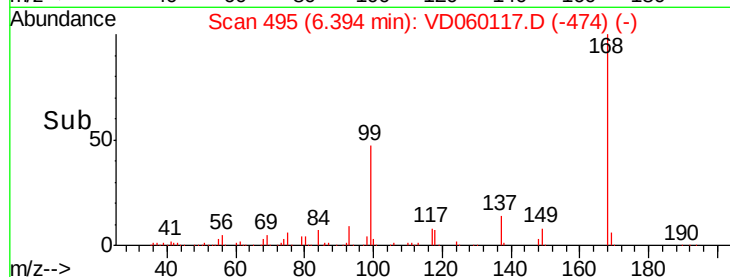
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.961 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060117.D

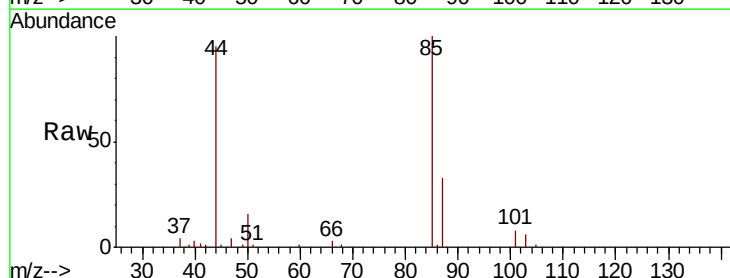
Acq: 3 Oct 2018 14:41

Tgt Ion: 85 Resp: 279112

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.57

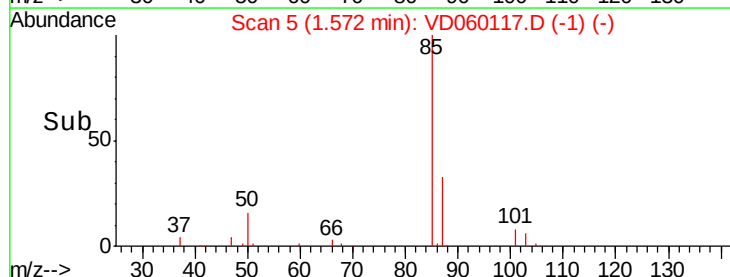
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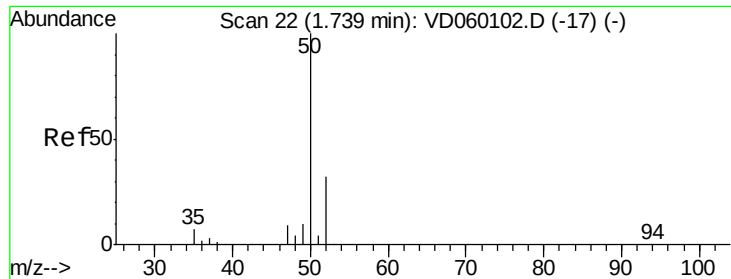
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 20.861 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 50 Resp: 292329

Ion Ratio Lower Upper

50 100

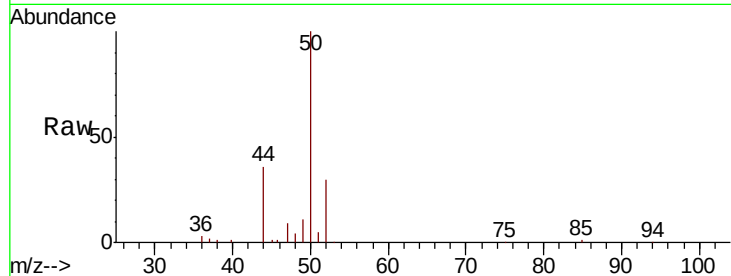
52 30.5 25.3 37.9

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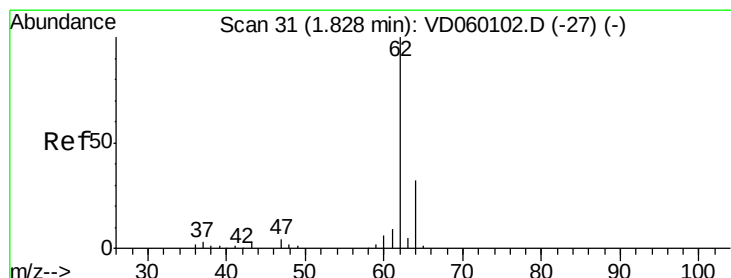
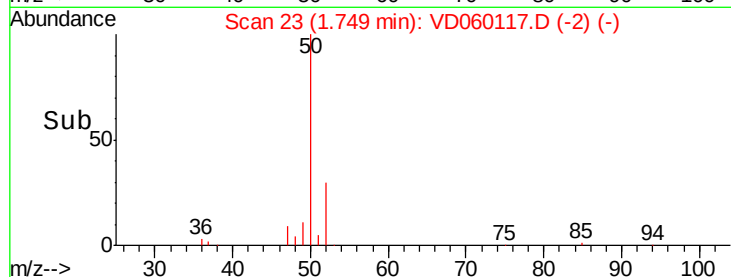
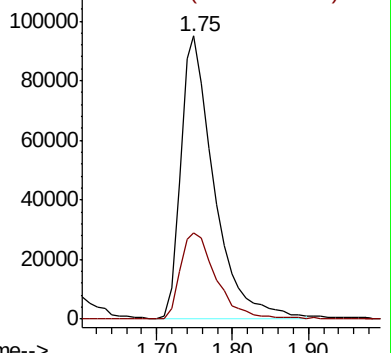
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.190 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060117.D

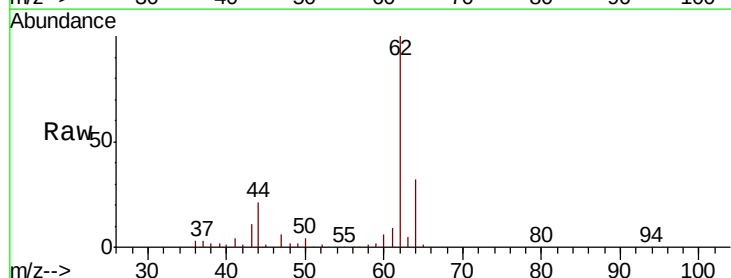
Acq: 3 Oct 2018 14:41

Tgt Ion: 62 Resp: 231539

Ion Ratio Lower Upper

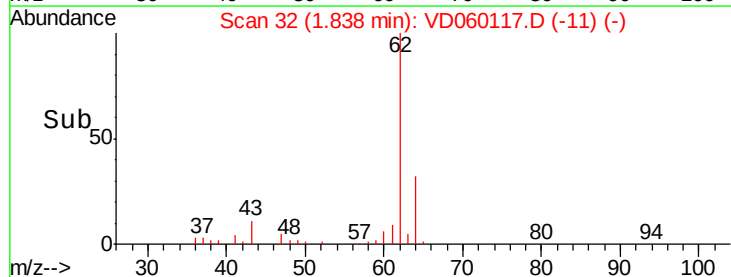
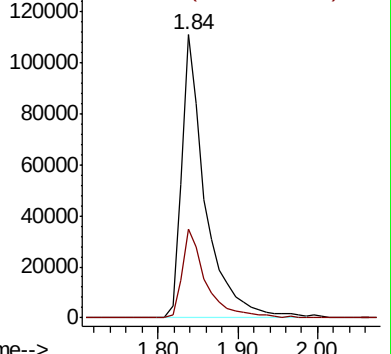
62 100

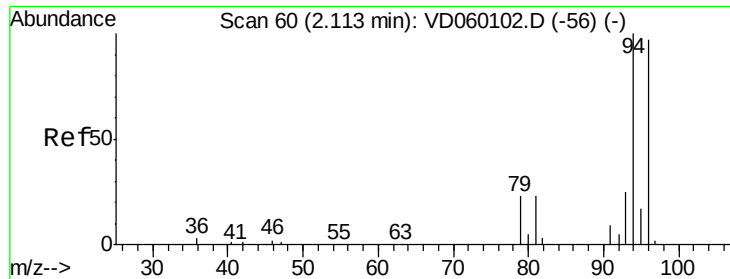
64 31.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.995 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

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ClientSampleId :

VD1003SBSD01

Tot Ion: 94 Resp: 20152

Ion Ratio Lower Upper

94 100

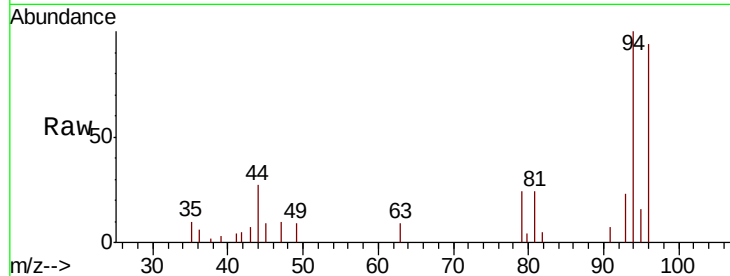
96 93.9 77.4 116.2

Manual Integrations

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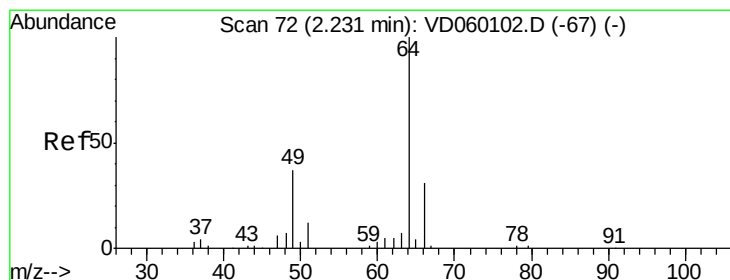
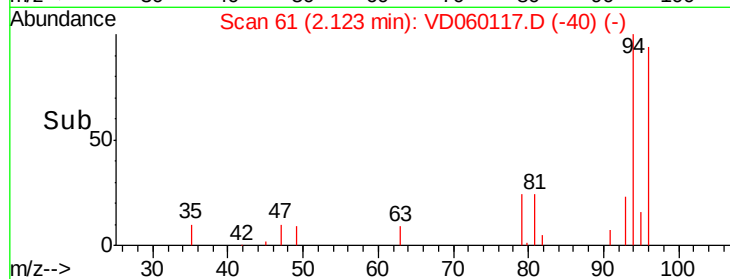
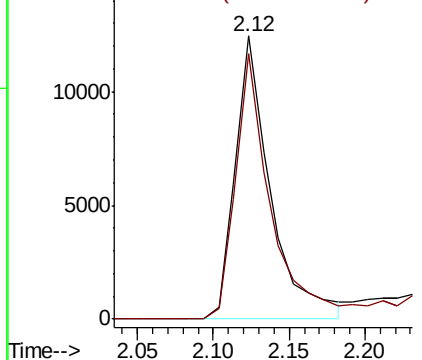
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.965 ug/l

RT: 2.23 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD060117.D

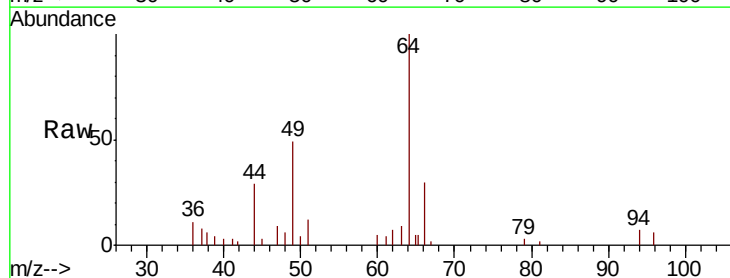
Acq: 3 Oct 2018 14:41

Tgt Ion: 64 Resp: 49961

Ion Ratio Lower Upper

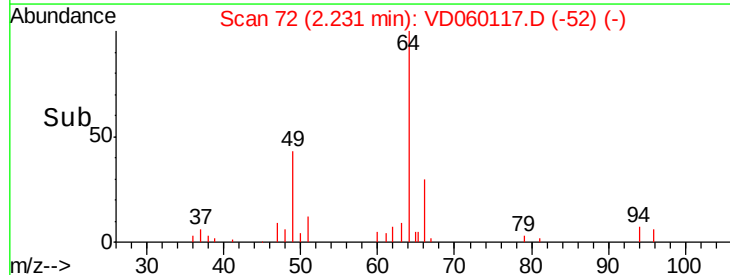
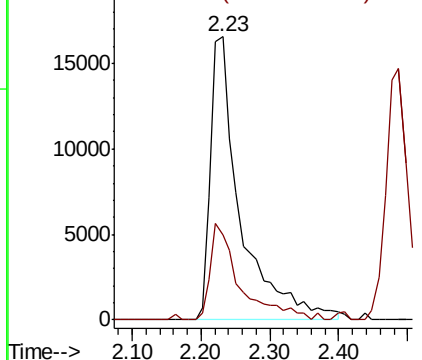
64 100

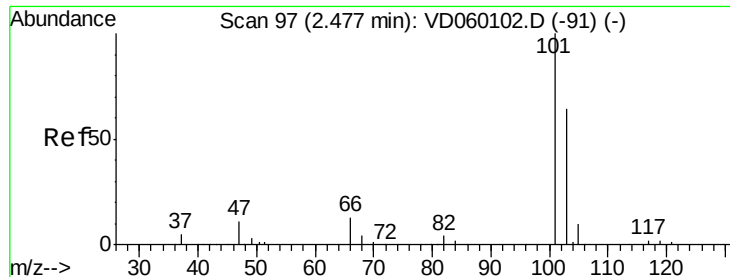
66 29.9 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

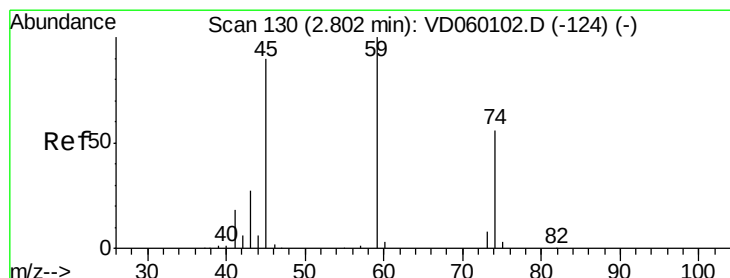
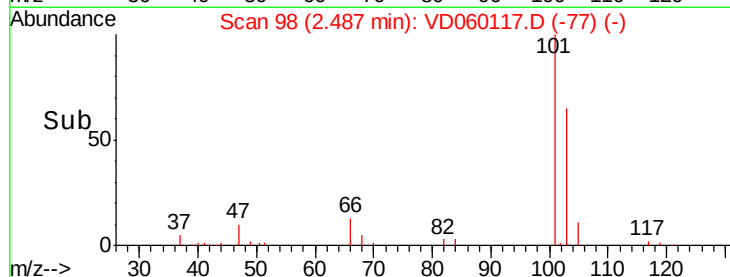
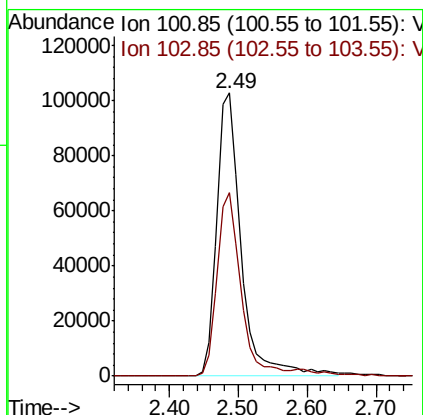
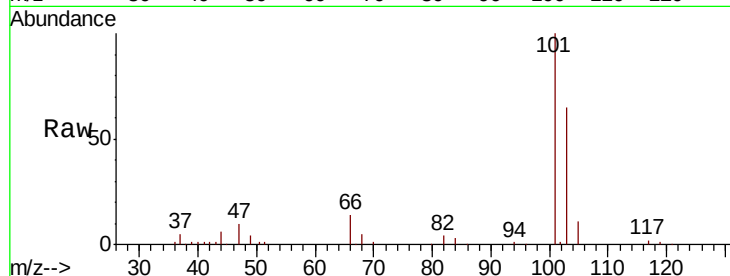
Trichlorofluoromethane
Concen: 18.440 ug/l
RT: 2.49 min Scan# 98
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
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ClientSampleId :
VD1003SBSD01

Tot Ion:101 Resp: 253205
Ion Ratio Lower Upper
101 100
103 64.7 51.5 77.3

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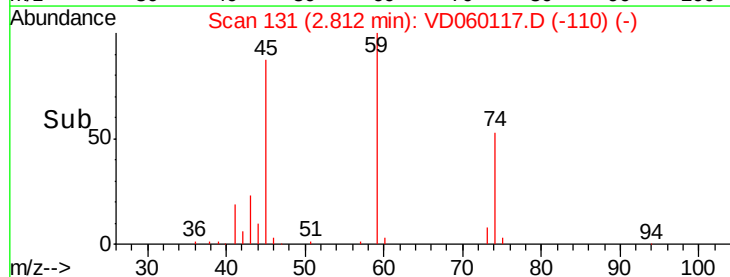
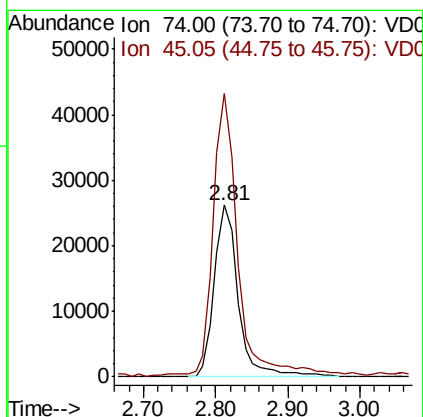
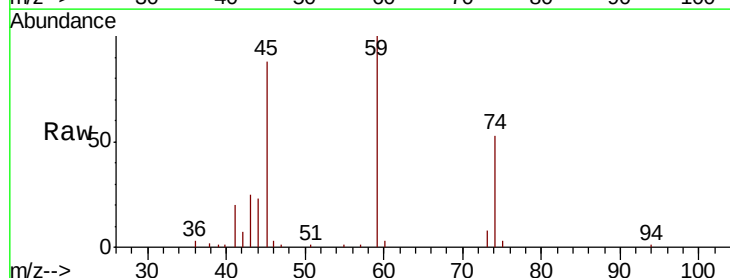
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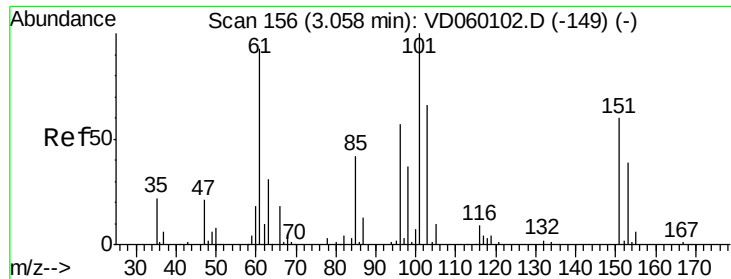


#8

Diethyl Ether
Concen: 21.342 ug/l
RT: 2.81 min Scan# 131
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion: 74 Resp: 60261
Ion Ratio Lower Upper
74 100
45 165.0 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.290 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

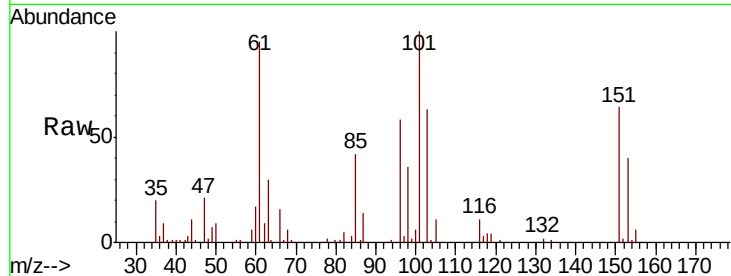
ClientSampleId :

VD1003SBS01

Tot Ion:	101	Resp:	173567
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.0
151	64.0	48.0	72.0

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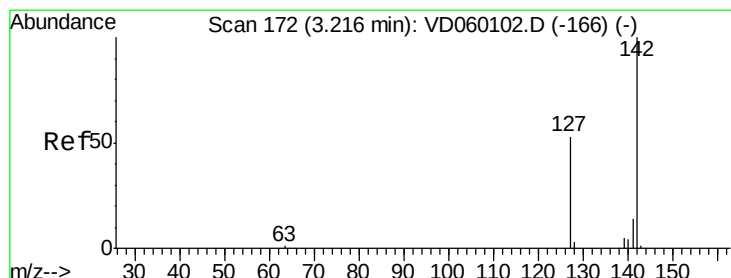
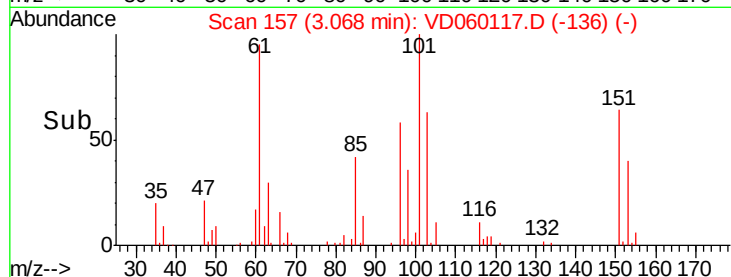
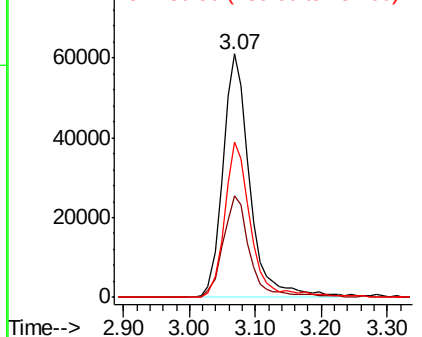


Abundance

Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.411 ug/l

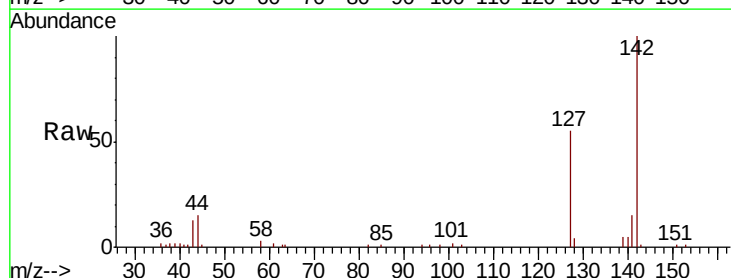
RT: 3.23 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion:	142	Resp:	148879
Ion Ratio	Lower	Upper	
142	100		
127	54.8	42.0	63.0
141	14.9	11.4	17.0

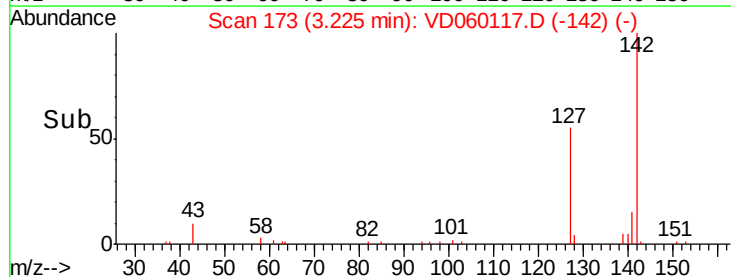
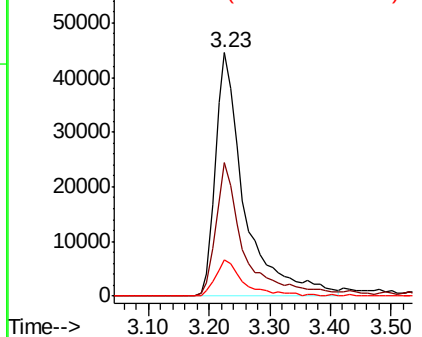


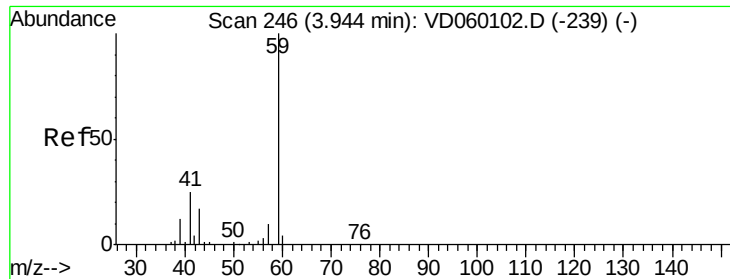
Abundance

Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





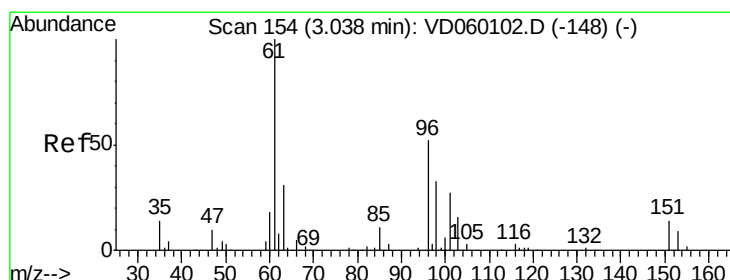
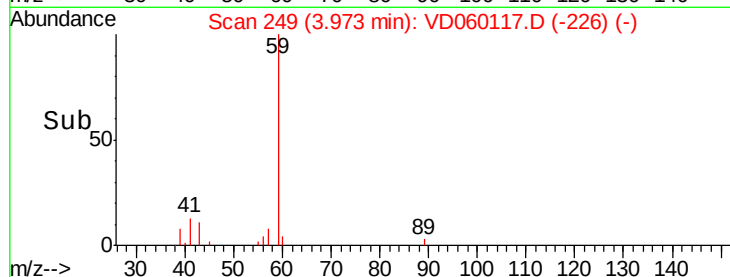
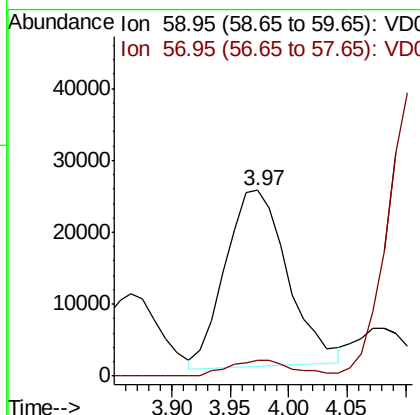
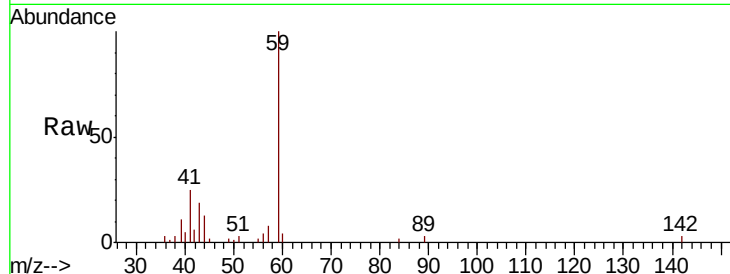
#11
Tert butyl alcohol
Concen: 101.356 ug/l
RT: 3.97 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion: 59 Resp: 91029
Ion Ratio Lower Upper
59 100
57 8.3 7.8 11.6

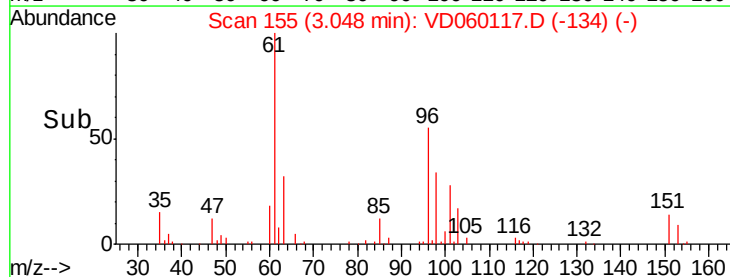
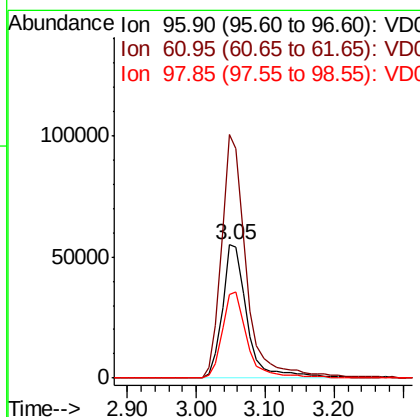
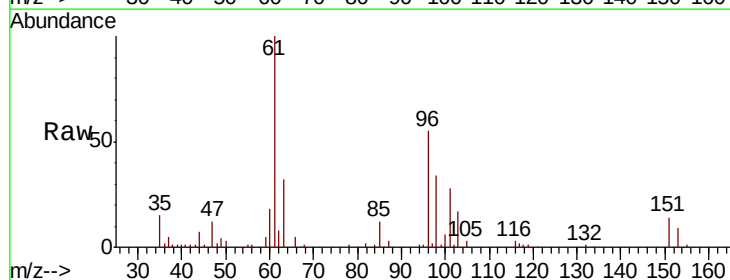
Manual Integrations
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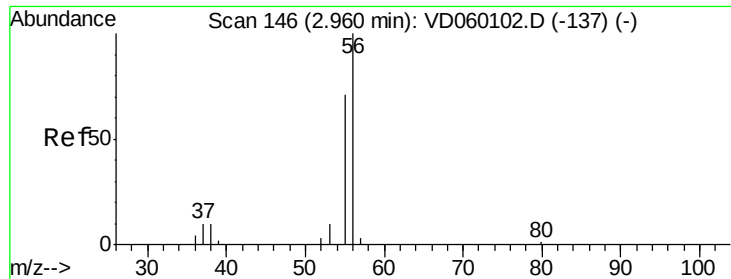
apatel
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#12
1,1-Dichloroethene
Concen: 20.432 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion: 96 Resp: 137692
Ion Ratio Lower Upper
96 100
61 182.9 153.0 229.4
98 62.8 51.1 76.7





#13

Acrolein

Concen: 100.832 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

Tot Ion: 56 Resp: 55824

Ion Ratio Lower Upper

56 100

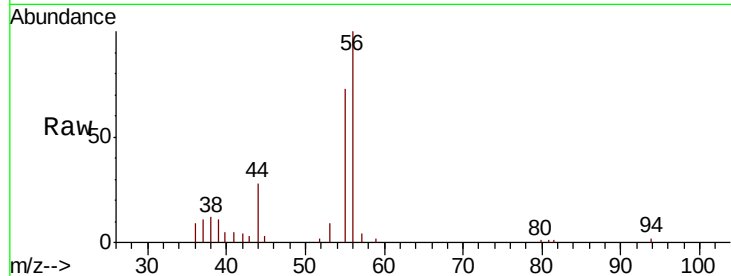
55 73.1 57.4 86.2

Manual Integrations

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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

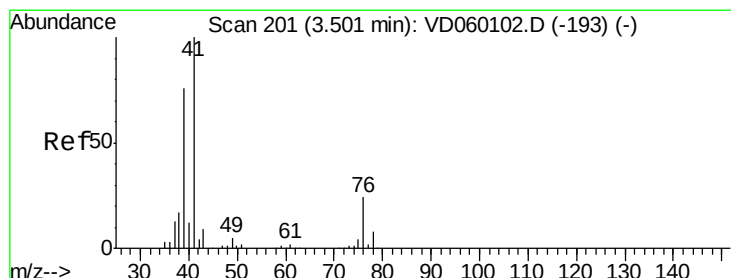
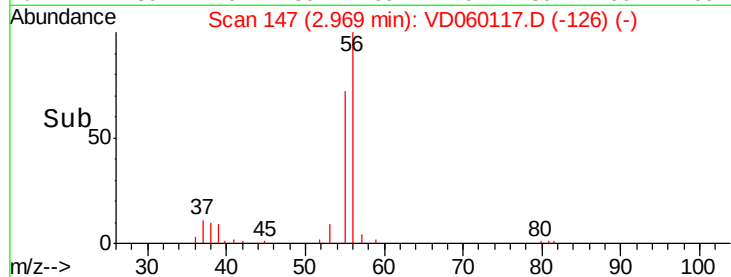
10000

5000

0

2.90 2.97 3.10

Time-->



#14

Allyl chloride

Concen: 19.815 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

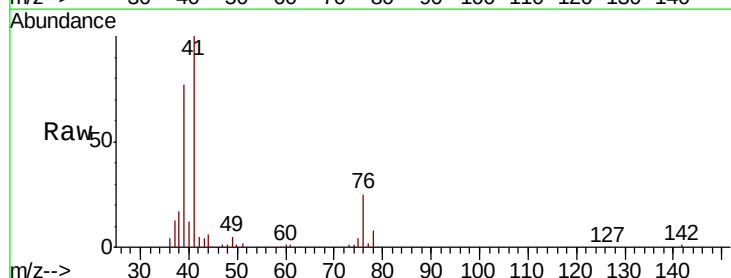
Tgt Ion: 41 Resp: 277342

Ion Ratio Lower Upper

41 100

39 76.7 60.6 90.8

76 25.5 21.3 31.9



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

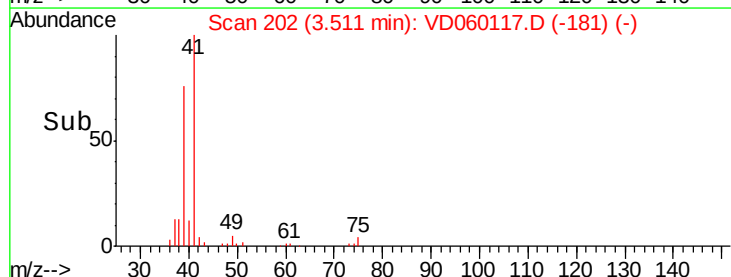
100000

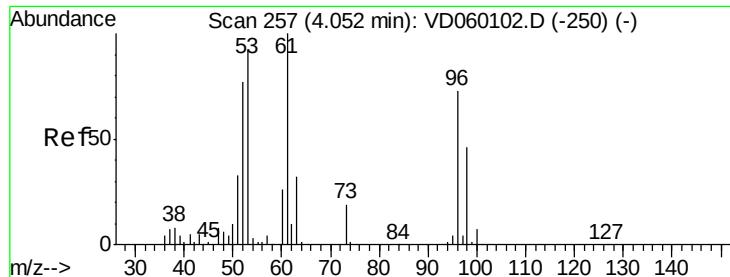
50000

0

3.40 3.51 3.60

Time-->





#15

Acrylonitrile

Concen: 104.385 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

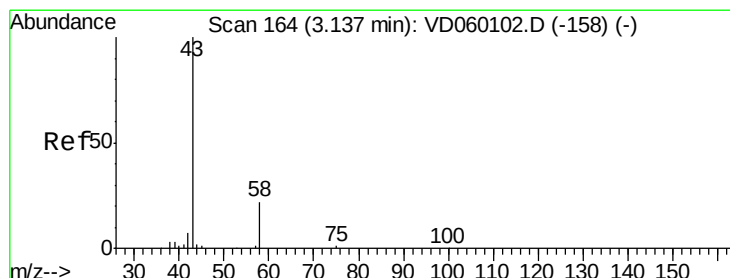
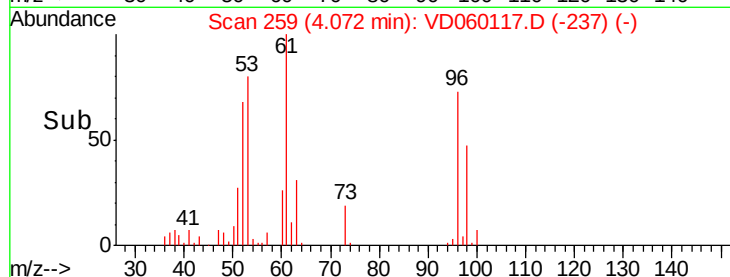
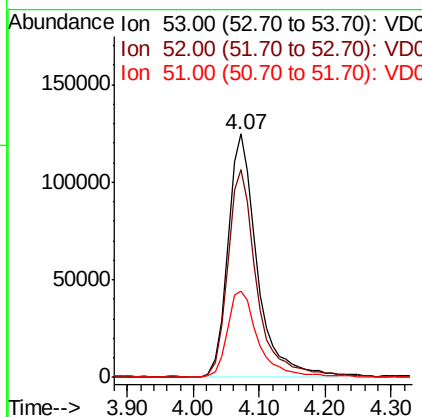
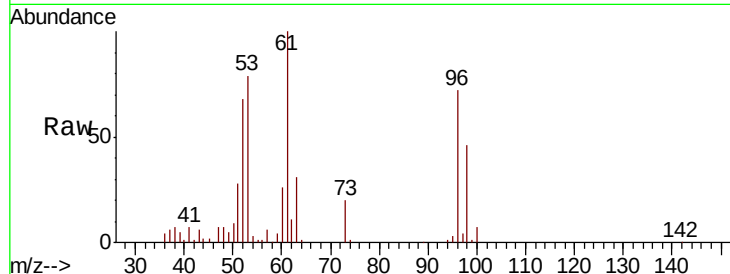
ClientSampleId :

VD1003SBS01

Tot Ion:	53	Resp:	388037
Ion Ratio		Lower	Upper
53	100		
52	85.2	67.5	101.3
51	35.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 109.779 ug/l

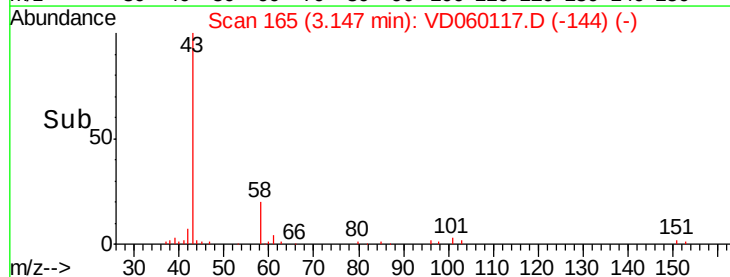
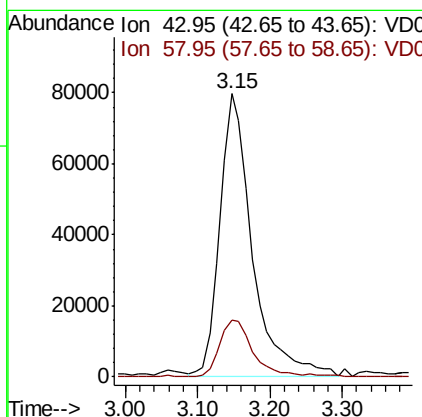
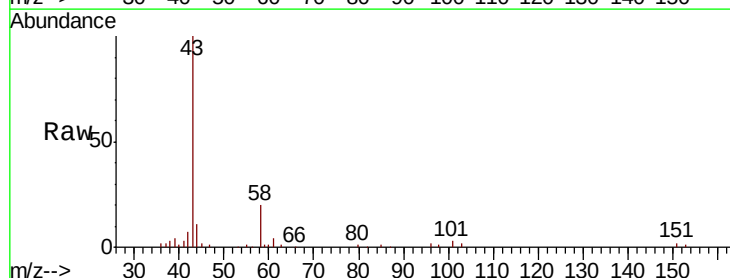
RT: 3.15 min Scan# 165

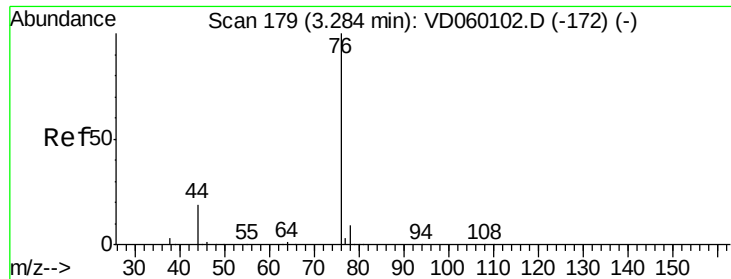
Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion:	43	Resp:	249448
Ion Ratio		Lower	Upper
43	100		
58	20.0	17.7	26.5





#17

Carbon Disulfide

Concen: 19.775 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

Tot Ion: 76 Resp: 448141

Ion Ratio Lower Upper

76 100

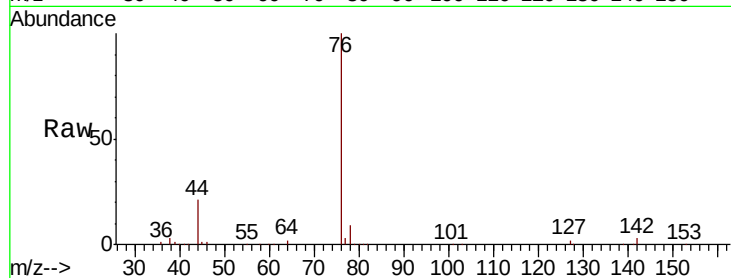
78 8.9 7.4 11.2

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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

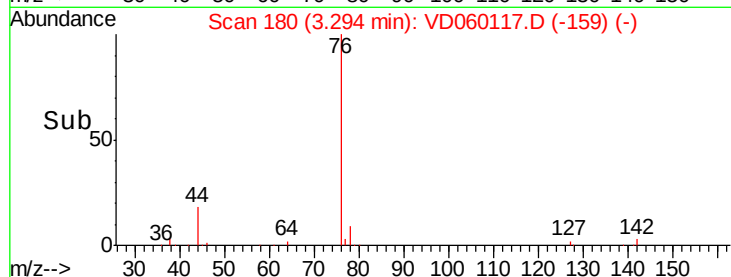
100000

50000

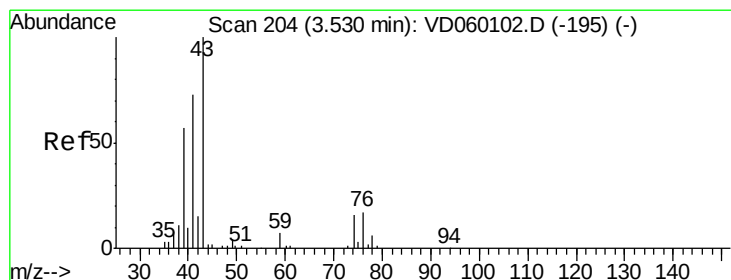
0

3.20 3.30 3.40 3.50

Time-->



Time-->



#18

Methyl Acetate

Concen: 18.644 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060117.D

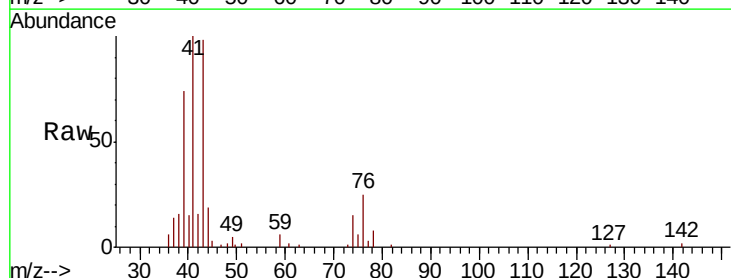
Acq: 3 Oct 2018 14:41

Tgt Ion: 43 Resp: 91054

Ion Ratio Lower Upper

43 100

74 15.4 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

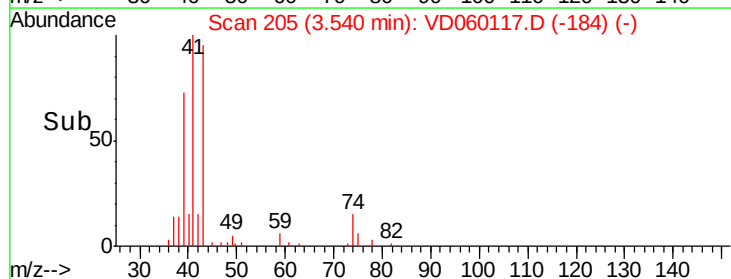
20000

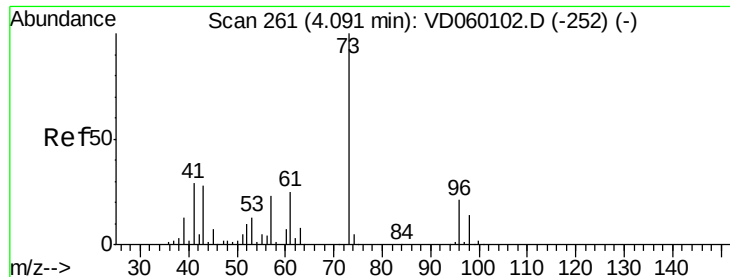
10000

0

3.40 3.50 3.60

Time-->





#19

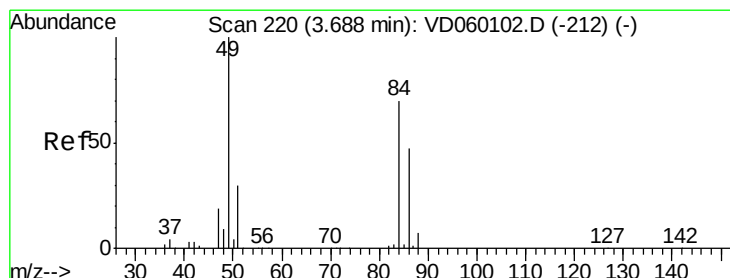
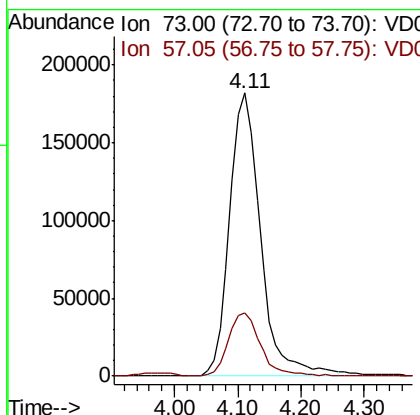
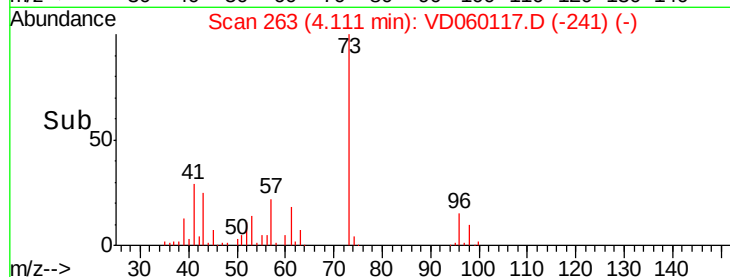
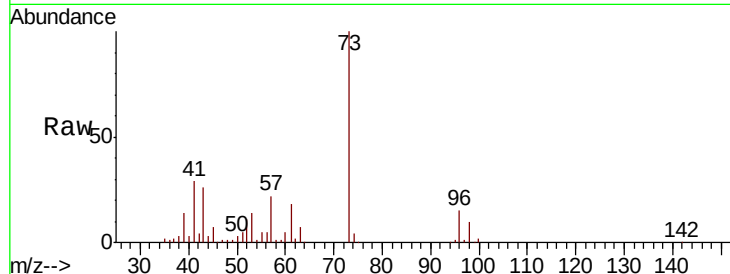
Methyl tert-butyl Ether
 Concen: 20.901 ug/l
 RT: 4.11 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.7	28.1

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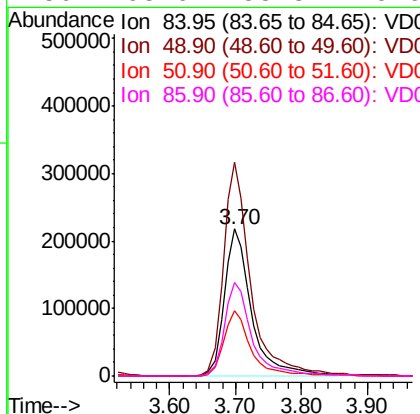
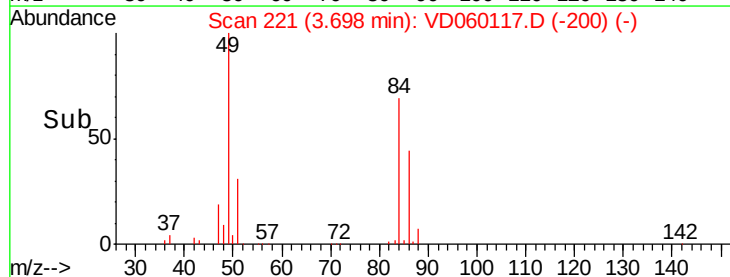
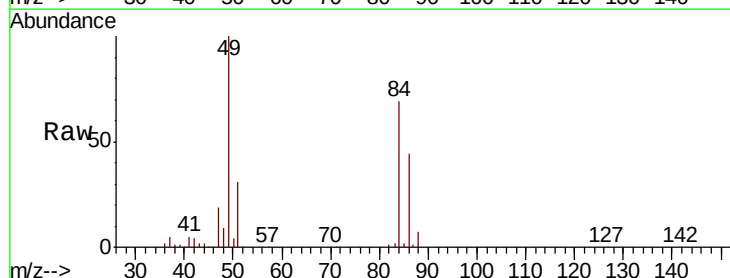
apatel
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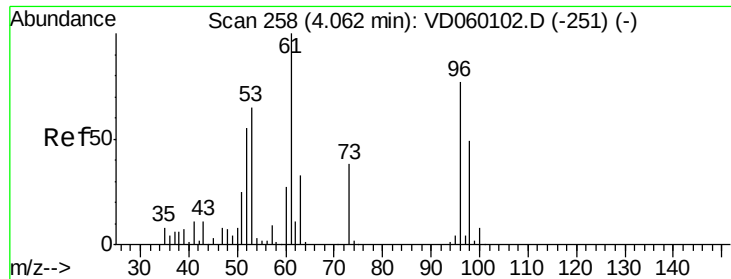


#20

Methylene Chloride
 Concen: 33.676 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.4	114.6	172.0
51	44.8	33.8	50.8
86	63.6	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 20.024 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

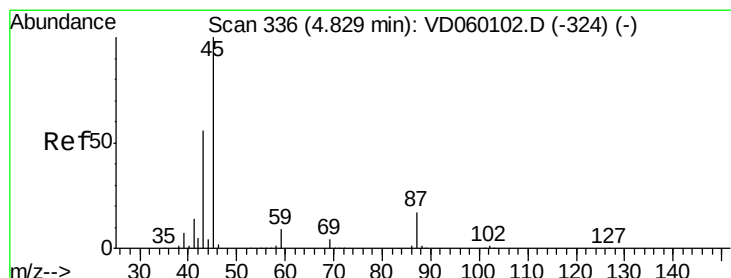
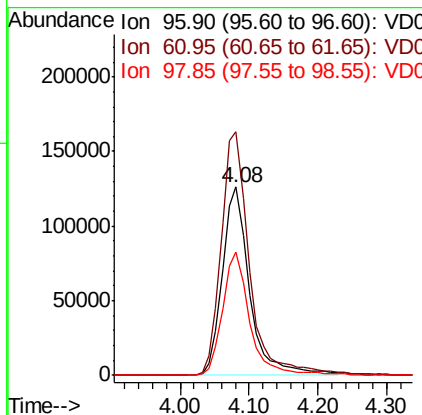
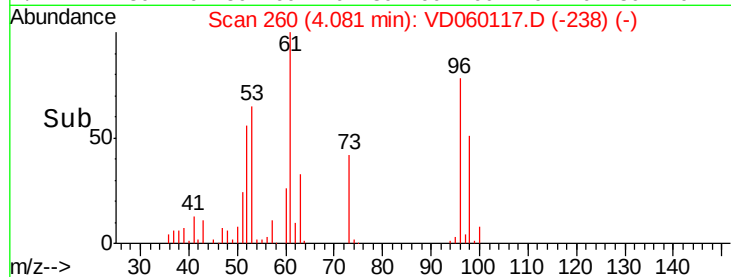
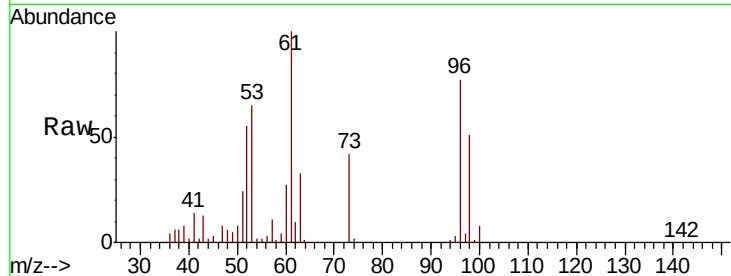
ClientSampleId :

VD1003SBS01

Tot Ion:	96	Resp:	348513
Ion	Ratio	Lower	Upper
96	100		
61	129.2	103.3	154.9
98	65.2	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.875 ug/l

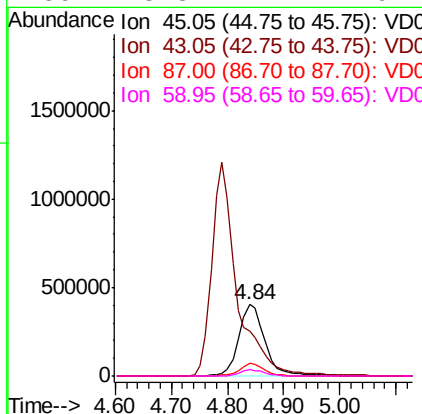
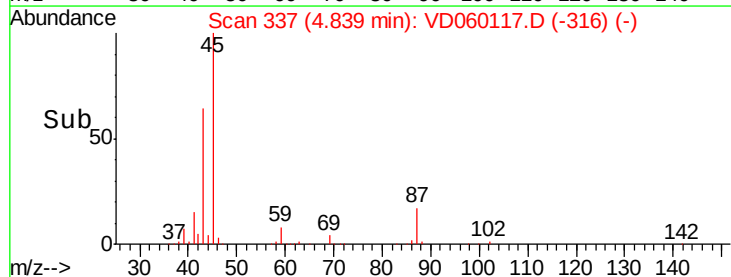
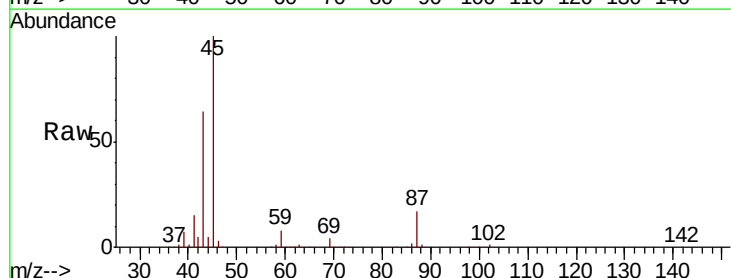
RT: 4.84 min Scan# 337

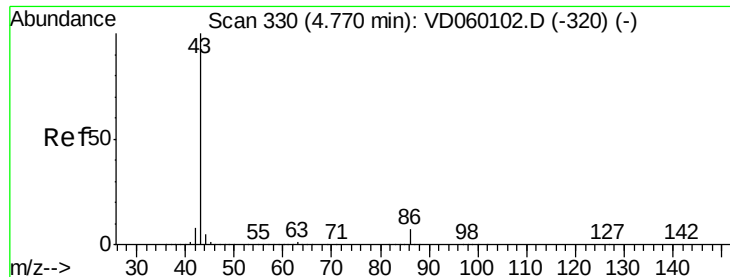
Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion:	45	Resp:	1304860
Ion	Ratio	Lower	Upper
45	100		
43	63.6	44.8	67.2
87	17.4	13.9	20.9
59	8.3	7.1	10.7





#23

Vinyl Acetate

Concen: 107.839 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 3788986

Ion Ratio Lower Upper

43 100

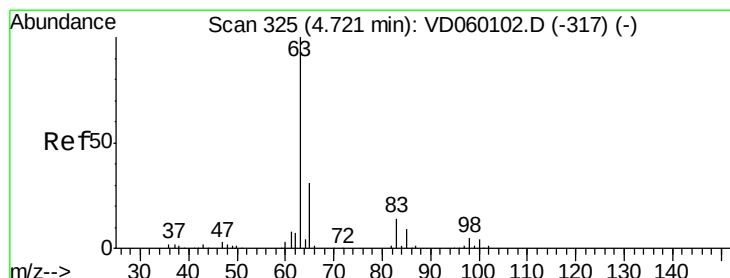
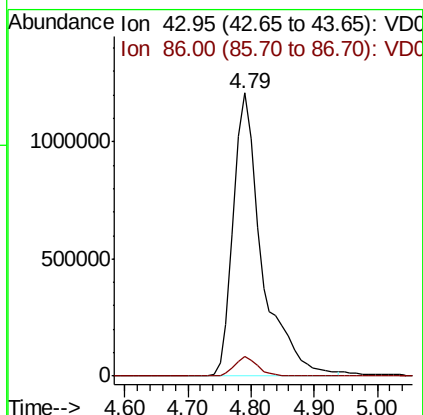
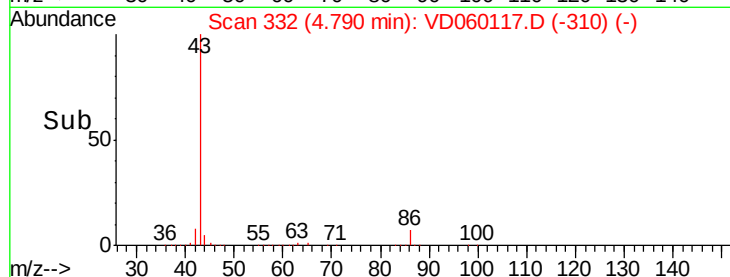
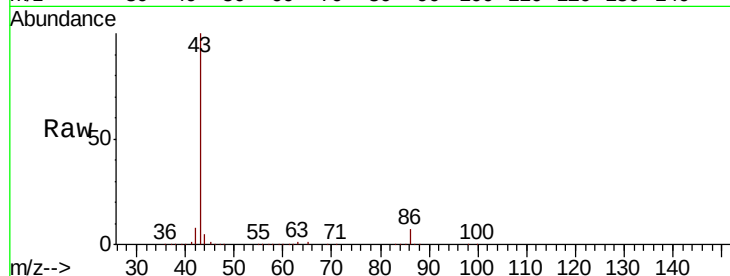
86 6.9 5.6 8.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.199 ug/l

RT: 4.74 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

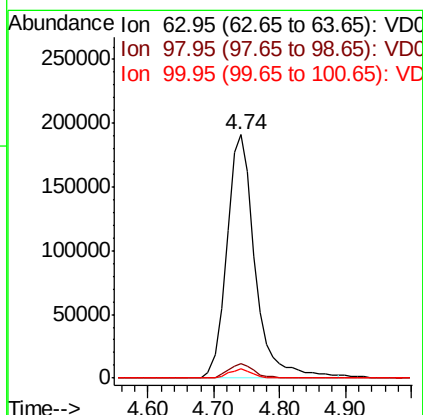
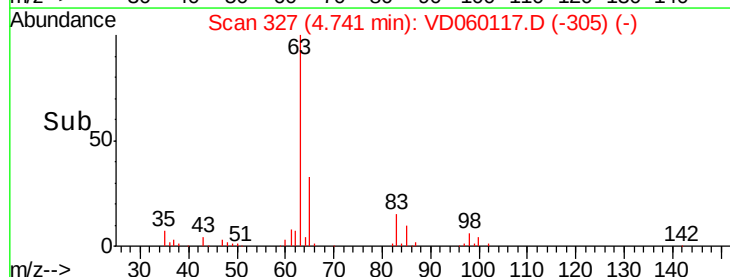
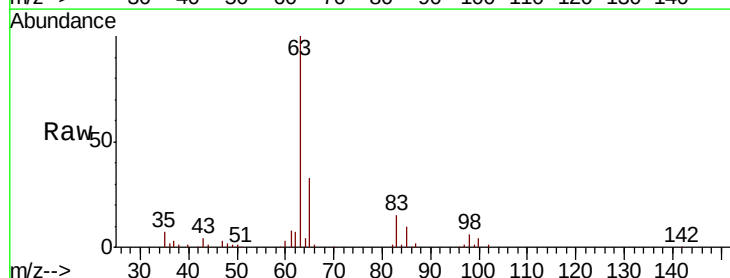
Tgt Ion: 63 Resp: 572472

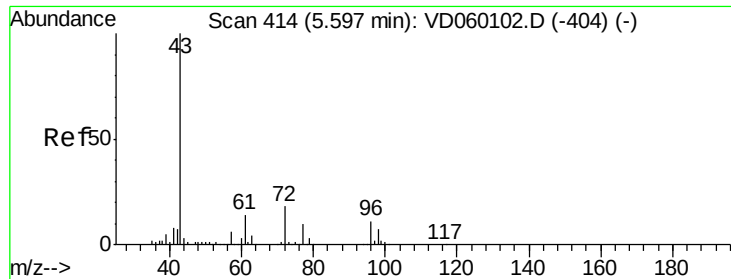
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.7 1.8 5.3





#25

2-Butanone

Concen: 111.467 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 632770

Ion Ratio Lower Upper

43 100

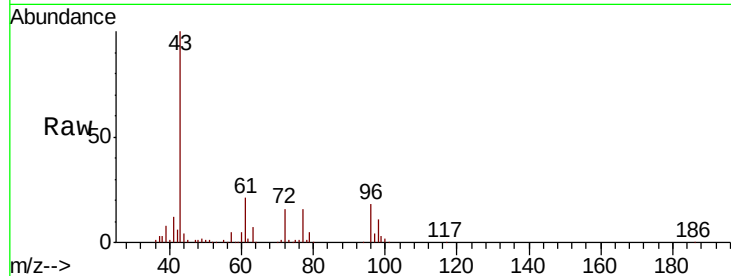
72 16.5 14.5 21.7

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

100000

50000

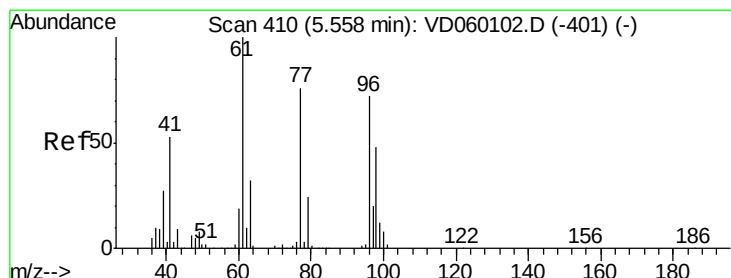
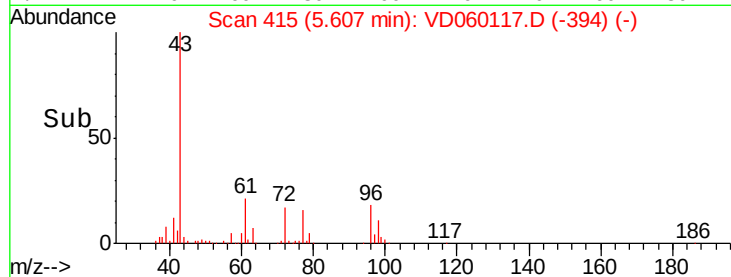
0

5.50

5.60

5.70

Time-->



#26

2,2-Dichloropropane

Concen: 20.259 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060117.D

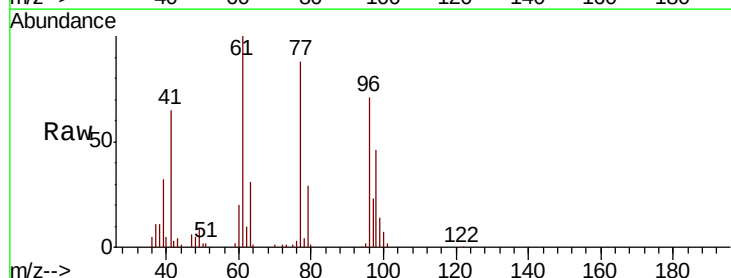
Acq: 3 Oct 2018 14:41

Tgt Ion: 77 Resp: 435262

Ion Ratio Lower Upper

77 100

97 26.1 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

50000

0

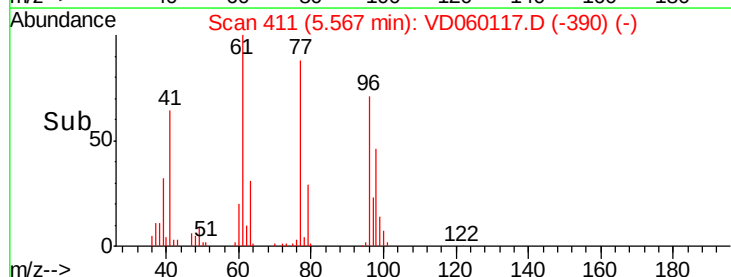
5.40

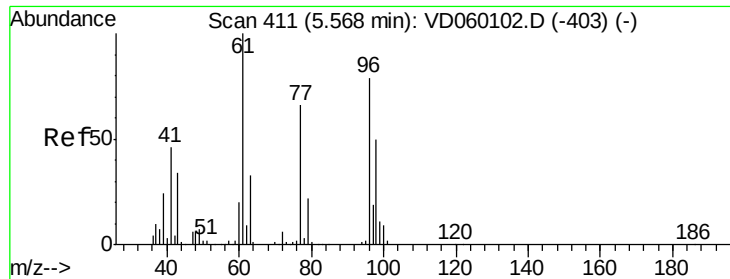
5.50

5.60

5.70

Time-->





#27

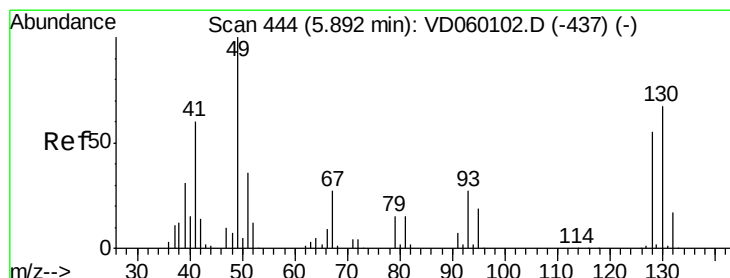
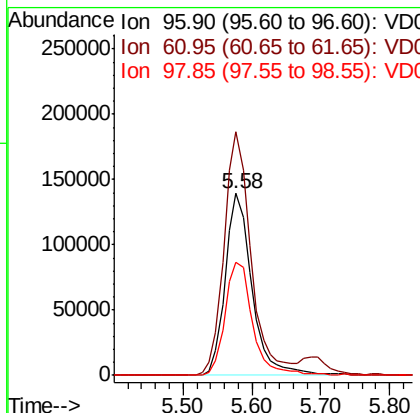
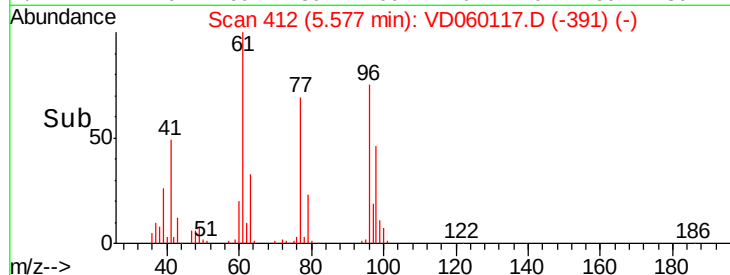
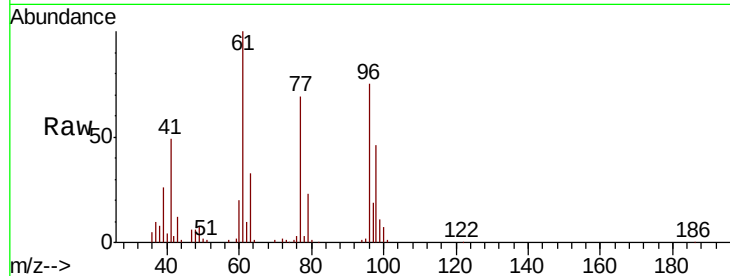
cis-1,2-Dichloroethene
 Concen: 20.284 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	251.8
98	61.9	0.0	125.2

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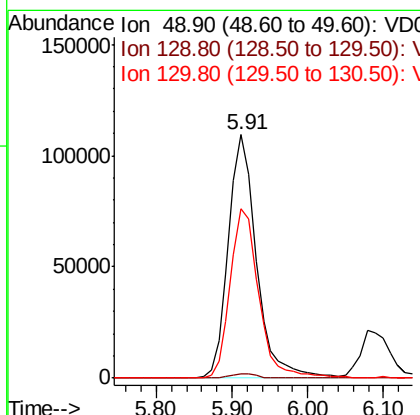
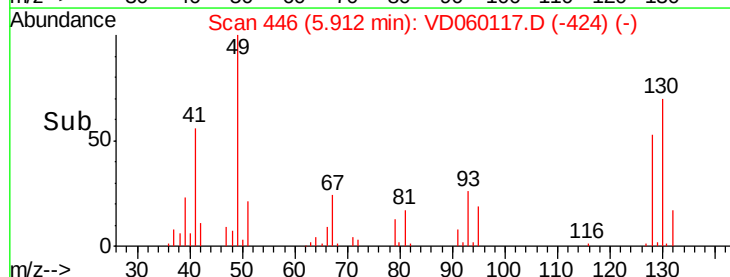
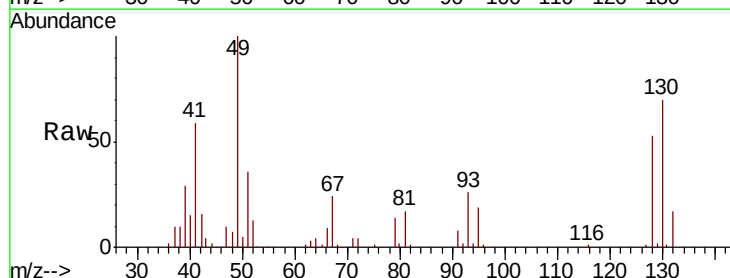
apatel
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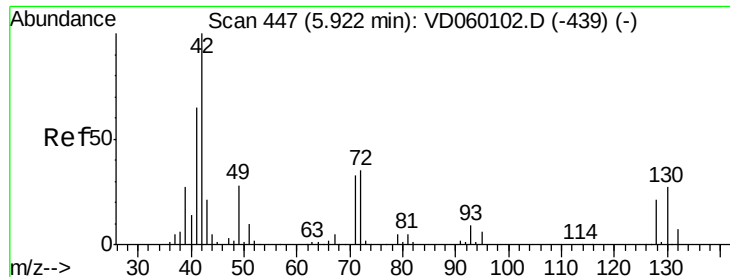


#28

Bromochloromethane
 Concen: 20.444 ug/l
 RT: 5.91 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	69.7	53.9	80.9





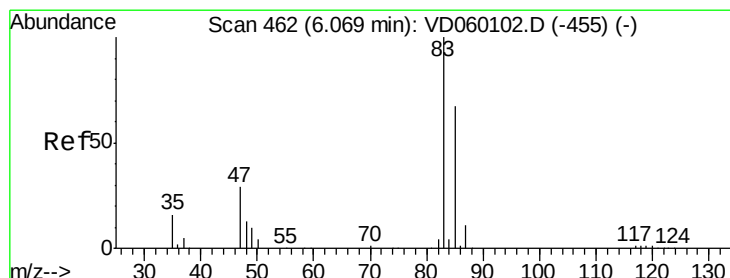
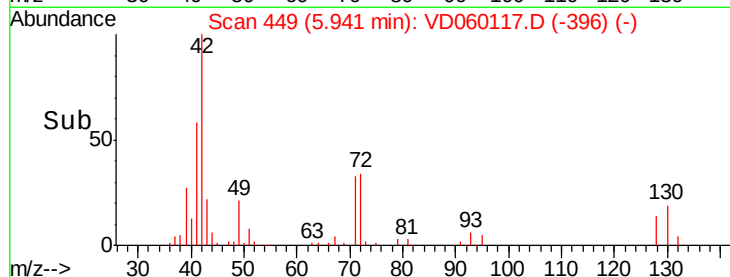
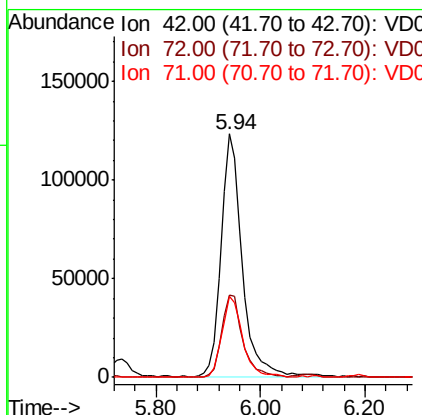
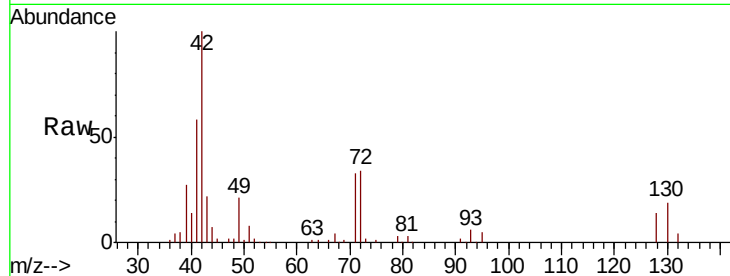
#29
Tetrahydrofuran
Concen: 106.501 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.0	26.9	40.3
71	32.0	26.7	40.1

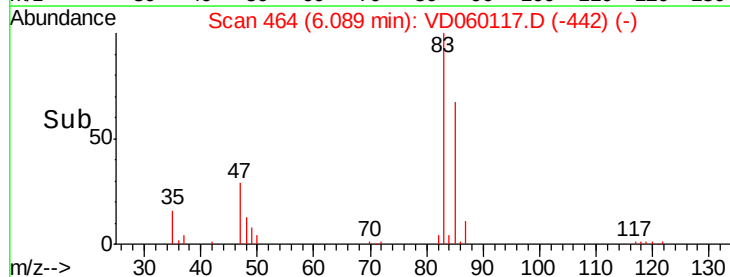
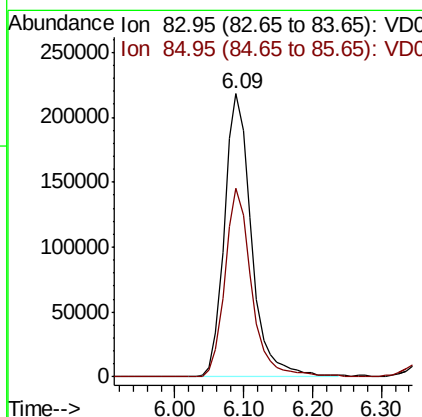
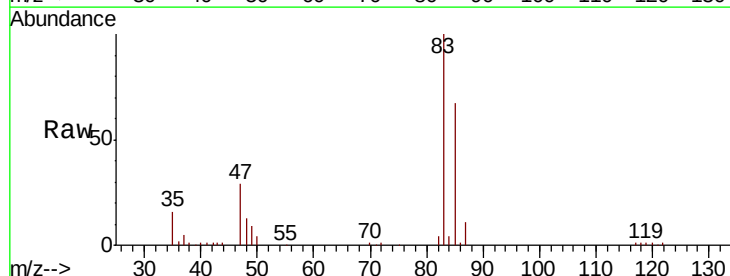
Manual Integrations
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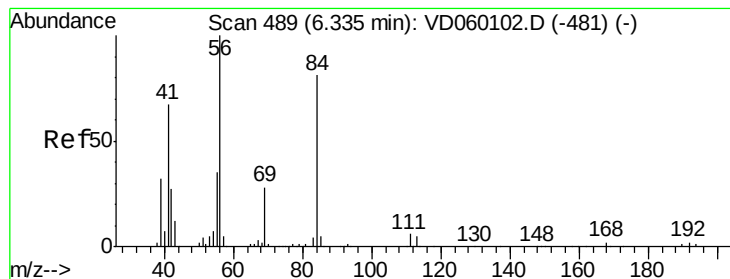
apatel
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#30
Chloroform
Concen: 20.634 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.8	80.8





#31

Cyclohexane

Concen: 20.012 ug/l

RT: 6.35 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

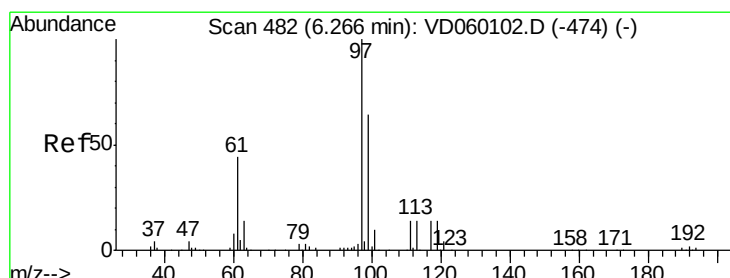
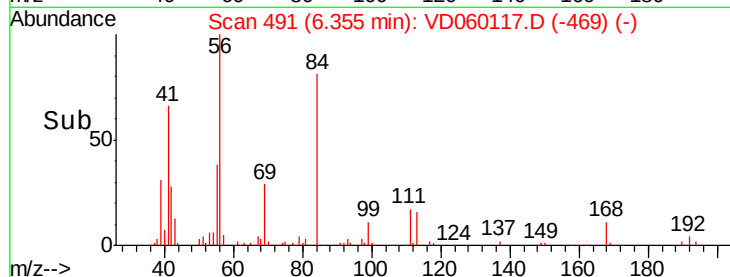
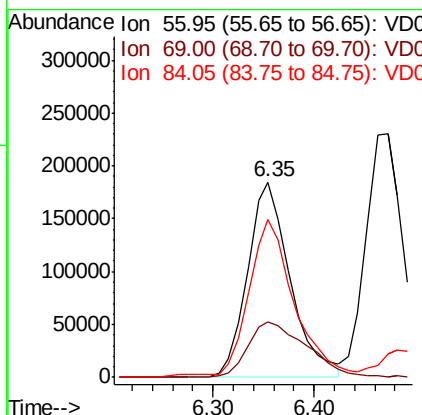
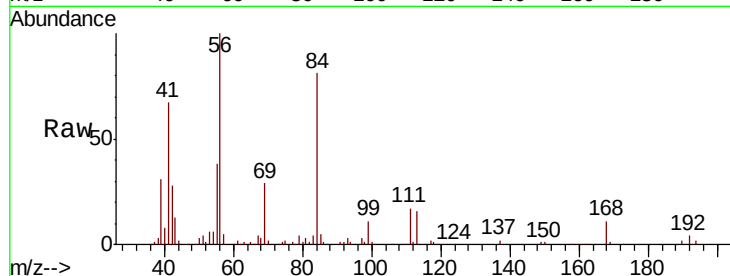
ClientSampleId :

VD1003SBSD01

Tot Ion:	56	Resp:	542922
Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.8	34.2
84	80.9	64.9	97.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.164 ug/l

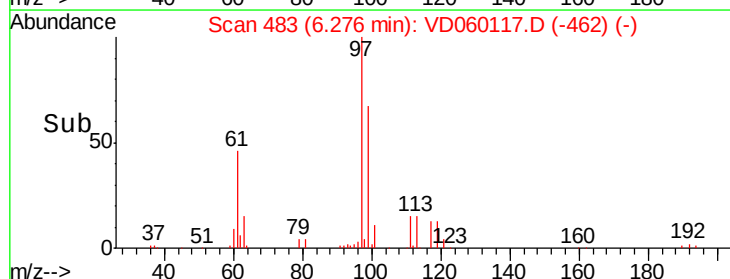
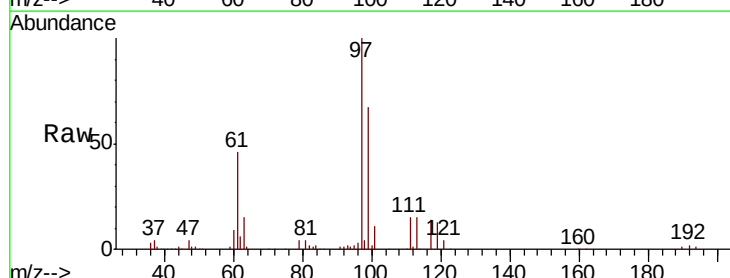
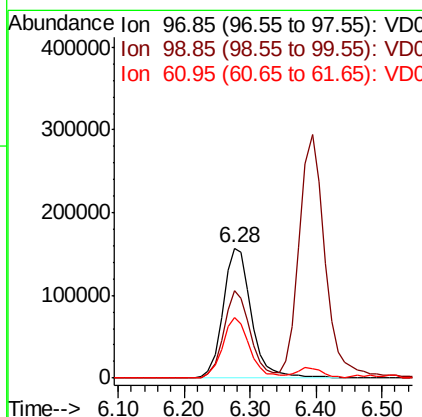
RT: 6.28 min Scan# 483

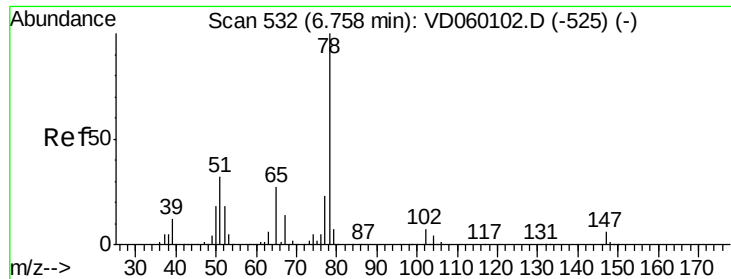
Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion:	97	Resp:	473613
Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.4	77.0
61	46.3	35.5	53.3





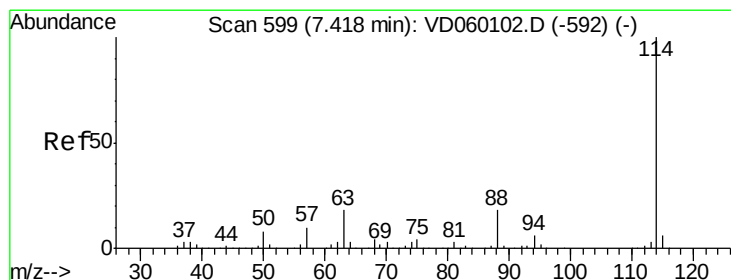
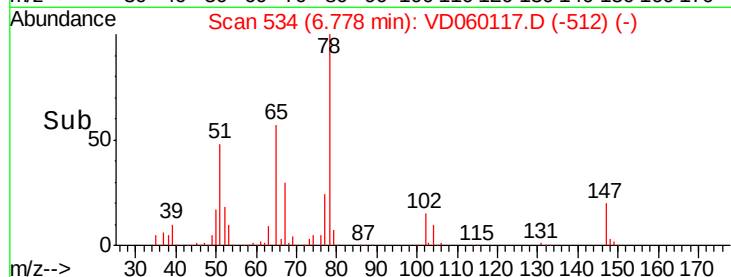
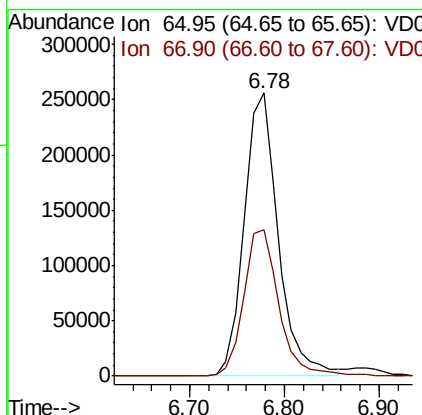
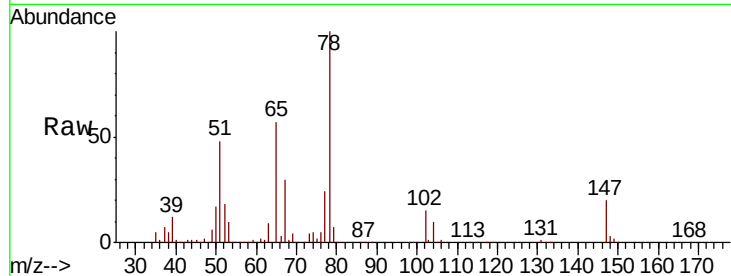
#33
 1,2-Dichloroethane-d4
 Concen: 20.164 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion: 65 Resp: 638881
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.2

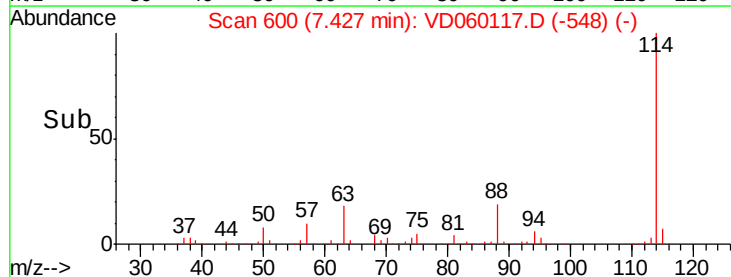
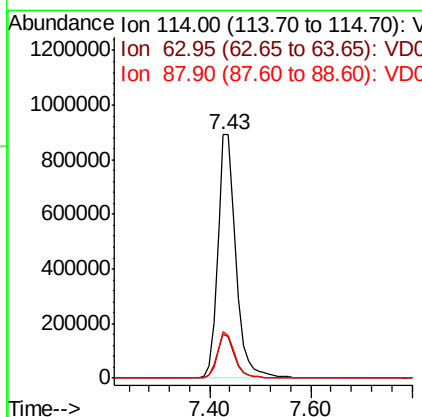
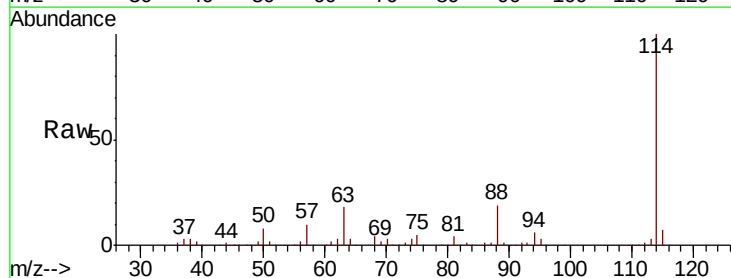
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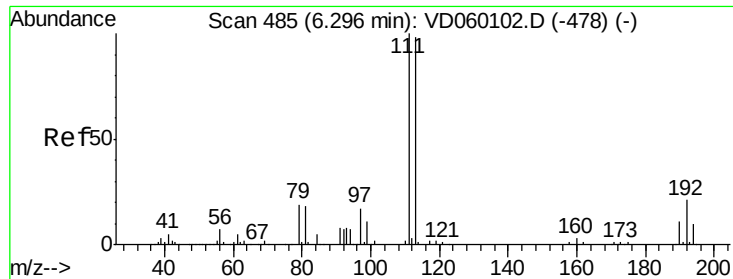
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion: 114 Resp: 2255881
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.0
 88 19.0 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

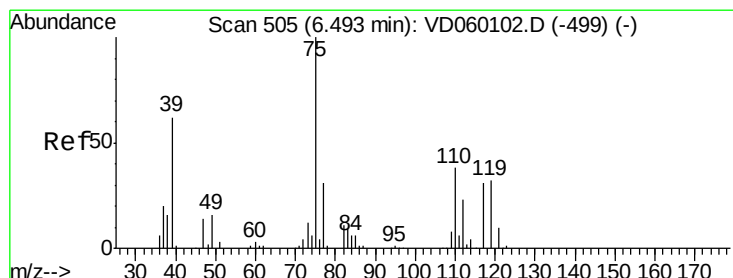
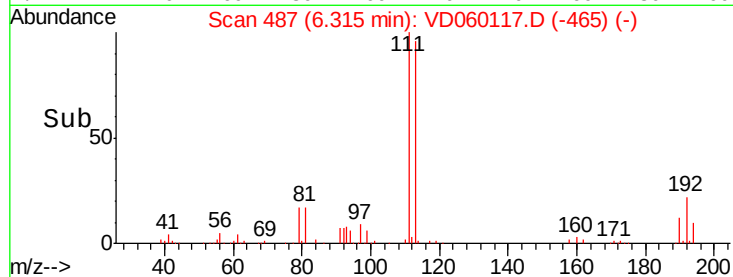
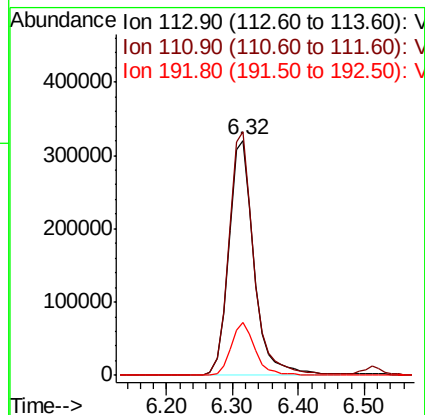
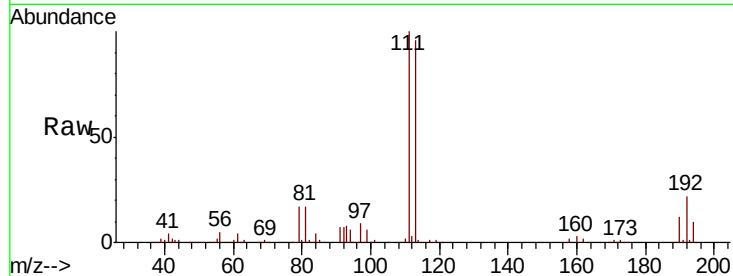
ClientSampleId :

VD1003SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	859362		
111	103.7	81.5	122.3	
192	22.7	17.4	26.0	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.171 ug/l

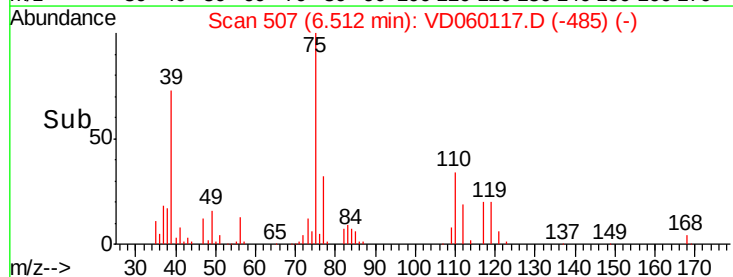
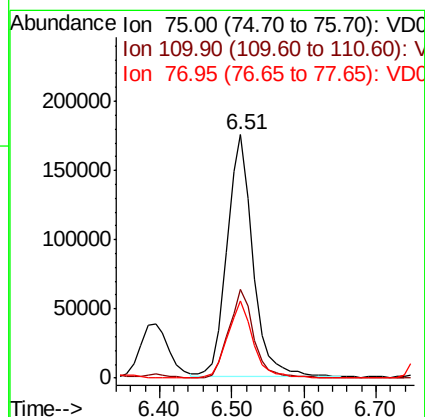
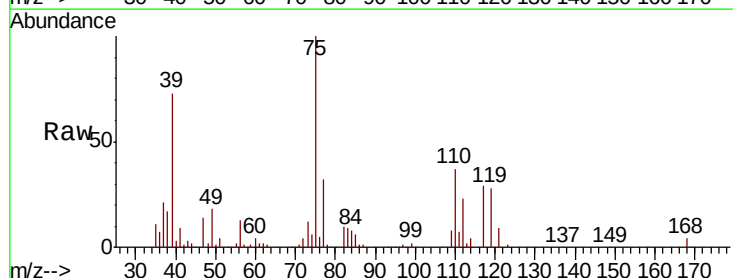
RT: 6.51 min Scan# 507

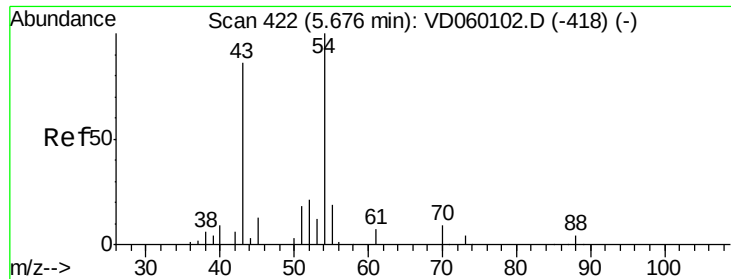
Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	434823		
110	36.6	19.0	57.0	
77	31.8	24.9	37.3	





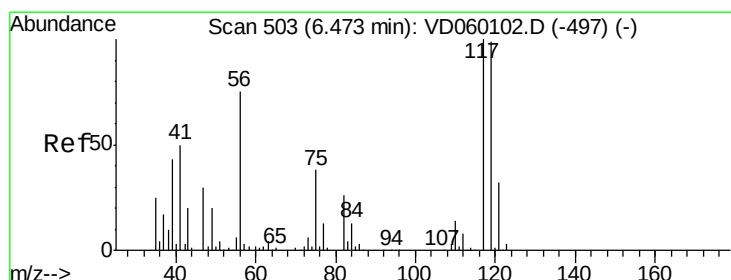
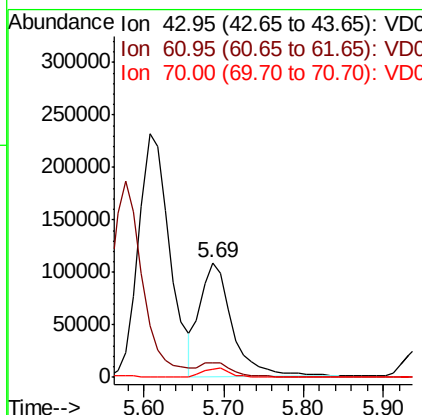
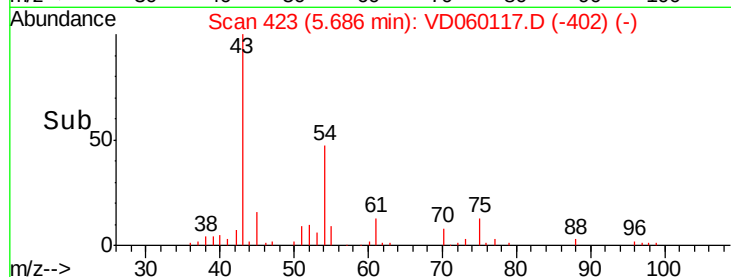
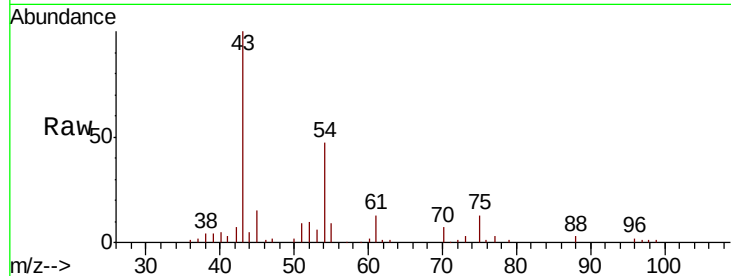
#37
Ethyl Acetate
Concen: 21.215 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	7.5	6.3	9.5

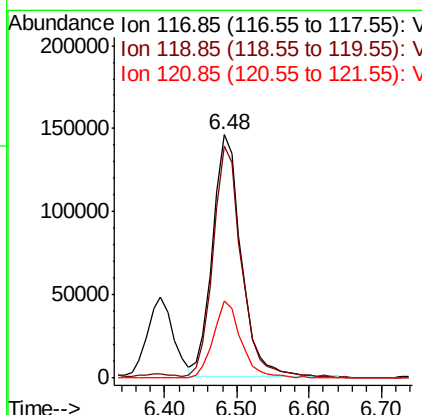
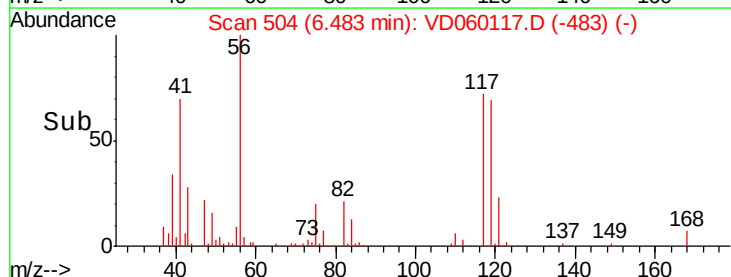
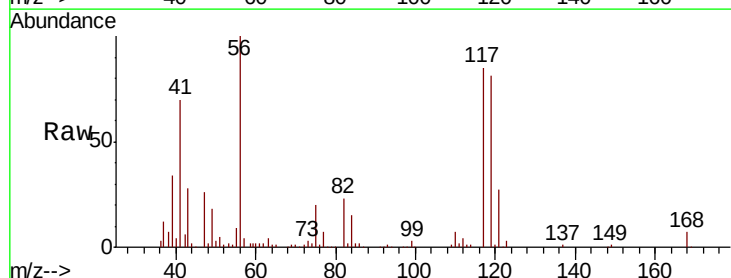
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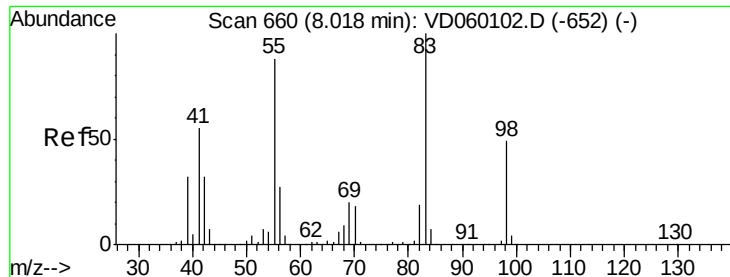
apatel
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#38
Carbon Tetrachloride
Concen: 20.489 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
121	31.9	24.8	37.2





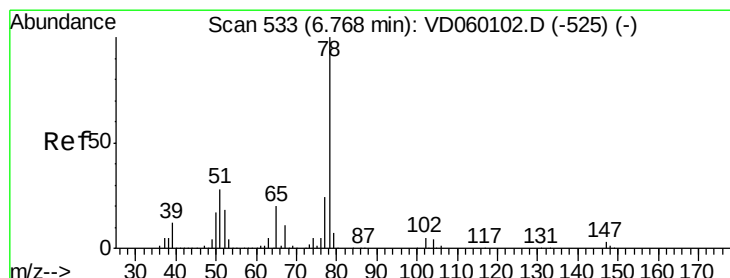
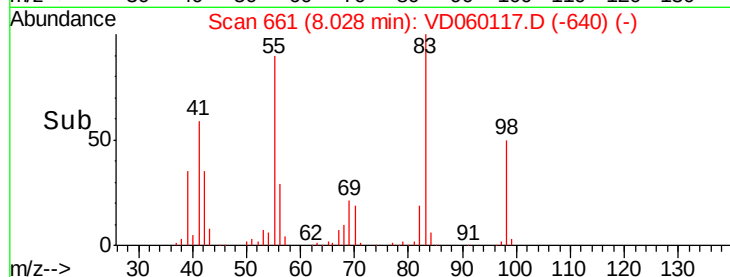
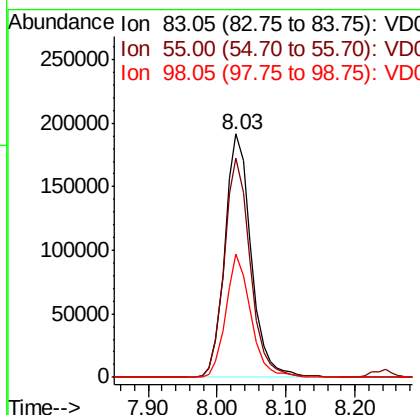
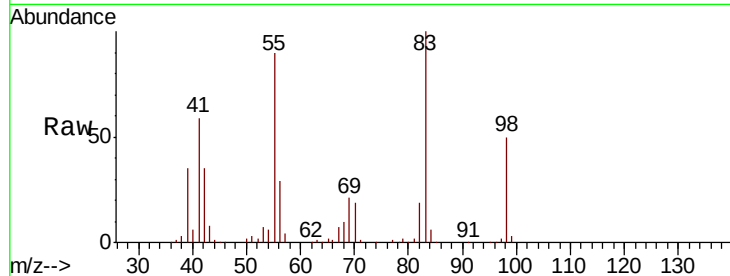
#39
Methylvlcyclohexane
Concen: 20.681 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.2	70.5	105.7
98	50.4	39.4	59.2

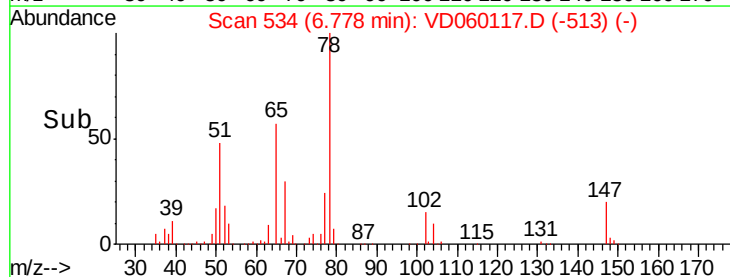
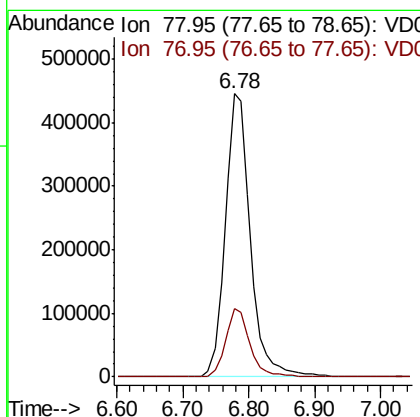
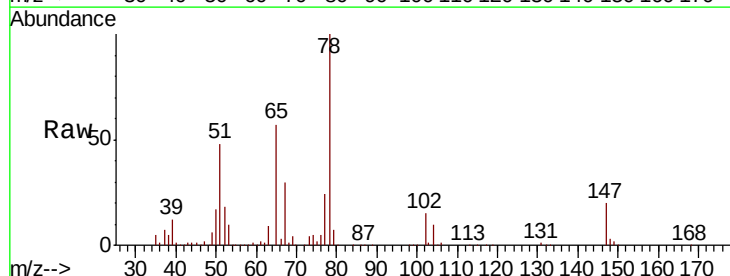
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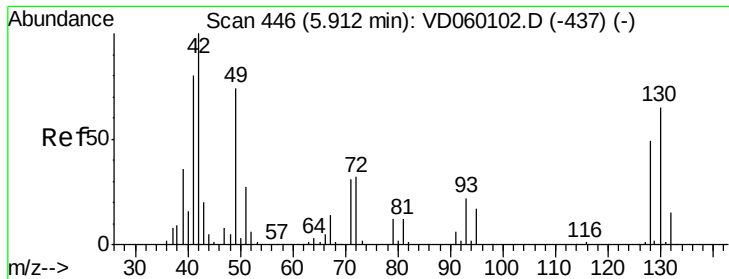
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#40
Benzene
Concen: 20.959 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





#41

Methacrylonitrile

Concen: 18.866 ug/l m

RT: 5.91 min Scan# 446

Delta R.T. -0.00 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 41 Resp: 152581

Ion Ratio Lower Upper

41 100

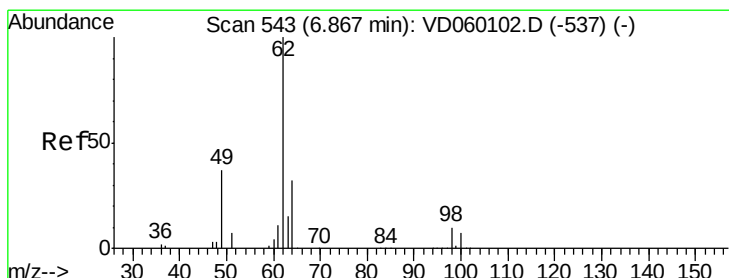
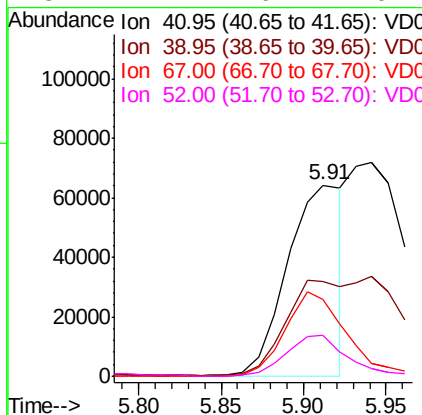
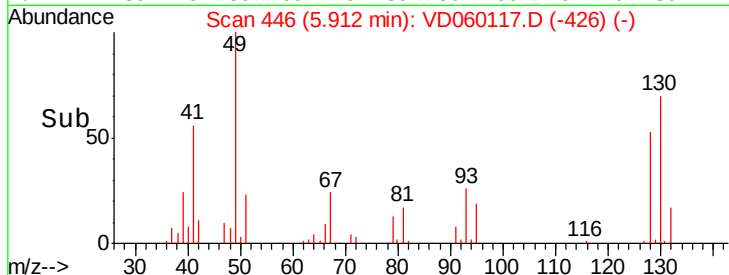
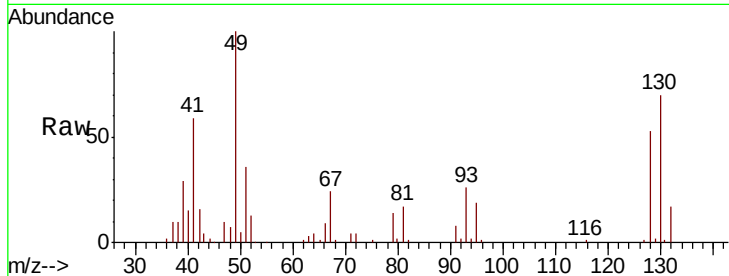
39 49.3 36.0 54.0

67 40.1 13.9 20.9#

52 21.7 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.832 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060117.D

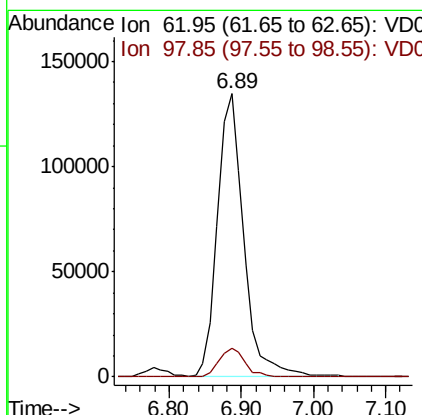
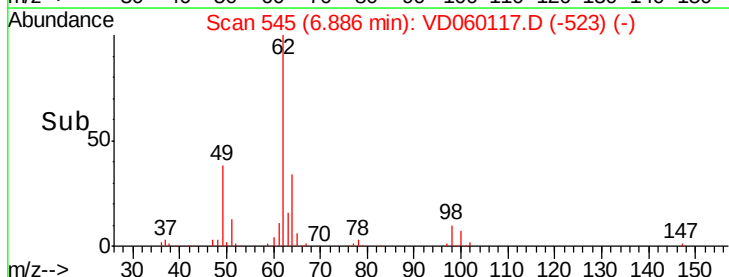
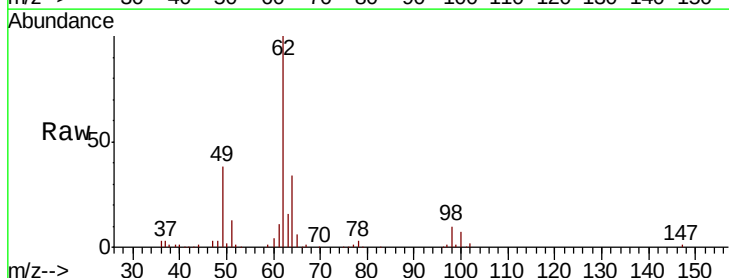
Acq: 3 Oct 2018 14:41

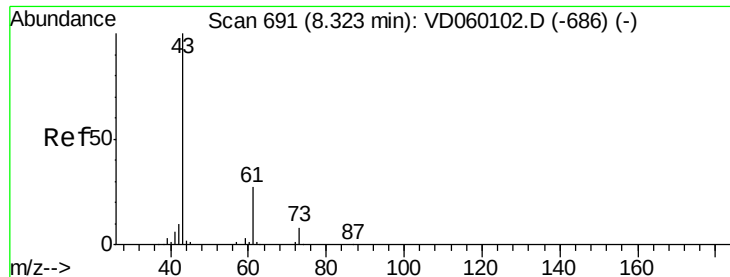
Tgt Ion: 62 Resp: 336835

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.6





#43

Isopropyl Acetate

Concen: 21.062 ug/l

RT: 8.34 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

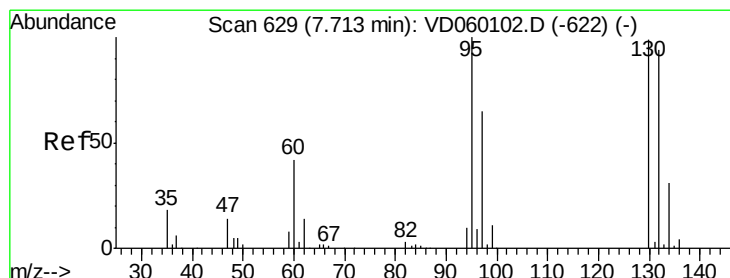
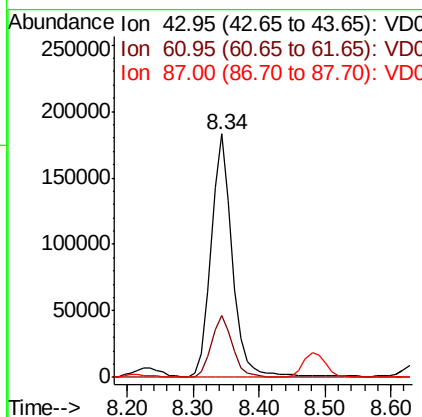
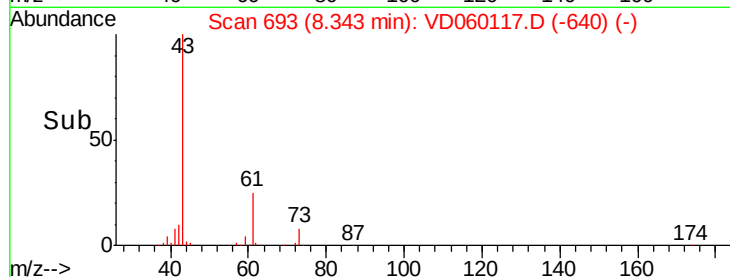
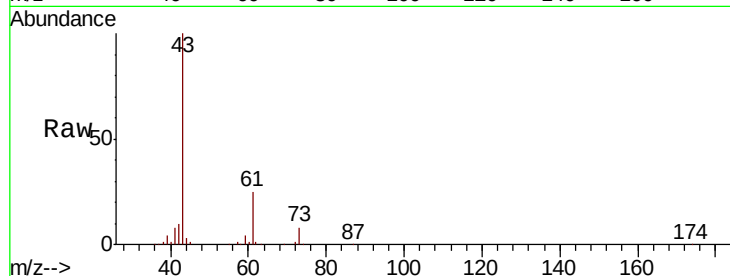
ClientSampleId :

VD1003SBSD01

Tot Ion:	43	Resp:	396478
Ion	Ratio	Lower	Upper
43	100		
61	25.3	21.4	32.2
87	0.3	0.2	0.2#

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#44

Trichloroethene

Concen: 20.448 ug/l

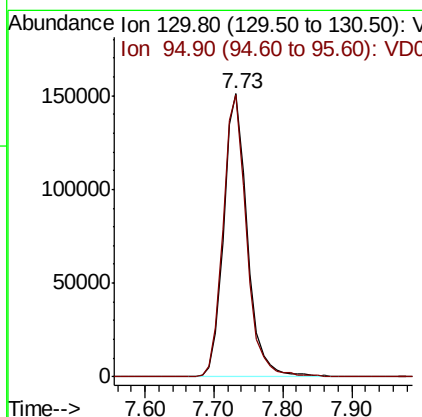
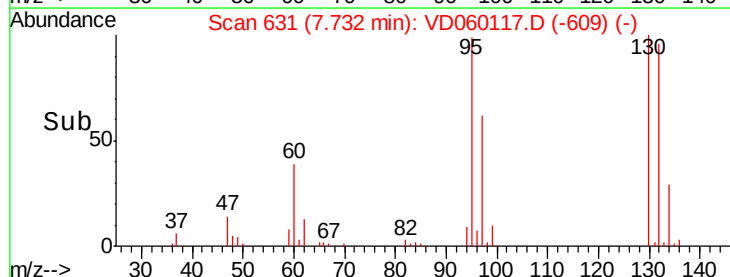
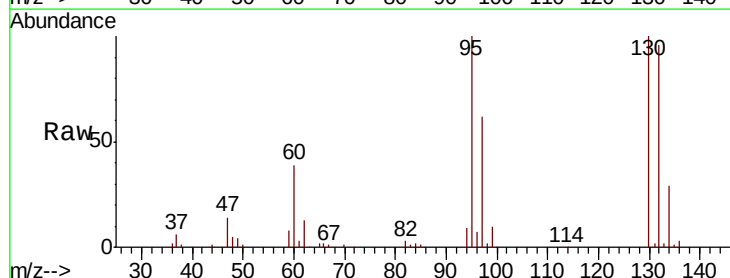
RT: 7.73 min Scan# 631

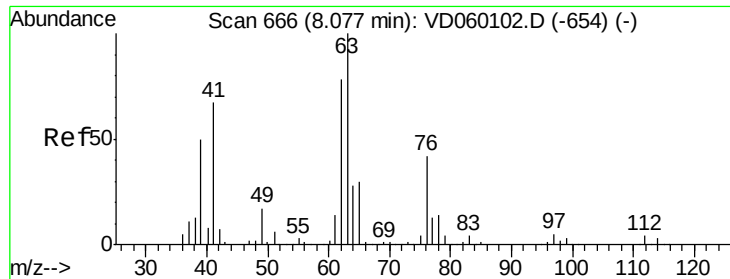
Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion:	130	Resp:	356983
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	202.2





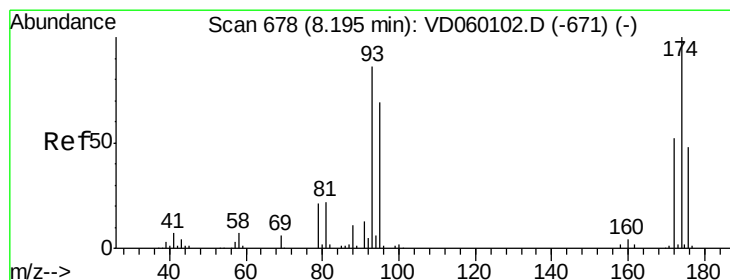
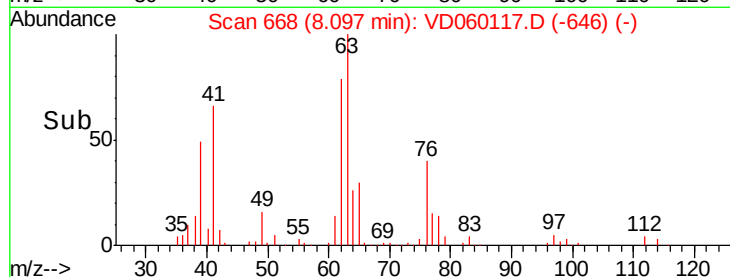
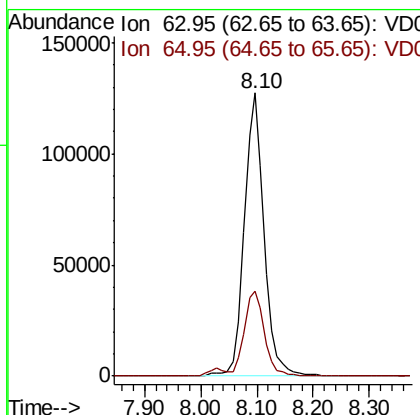
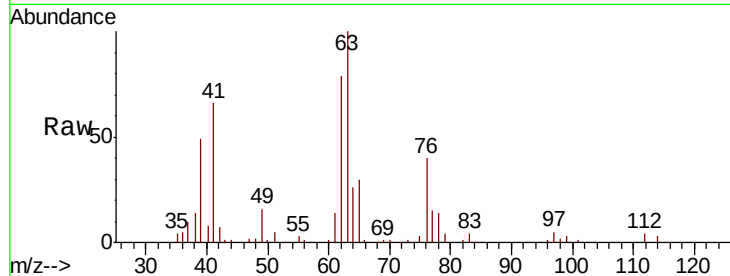
#45
 1,2-Dichloropropane
 Concen: 20.942 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion: 63 Resp: 309248
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1

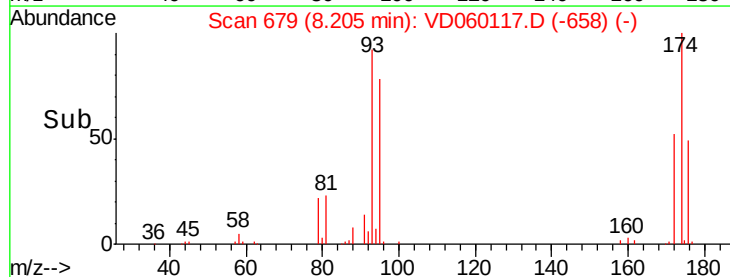
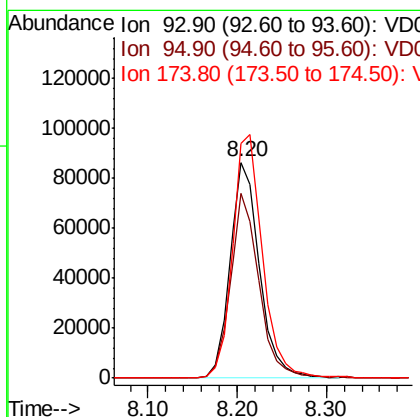
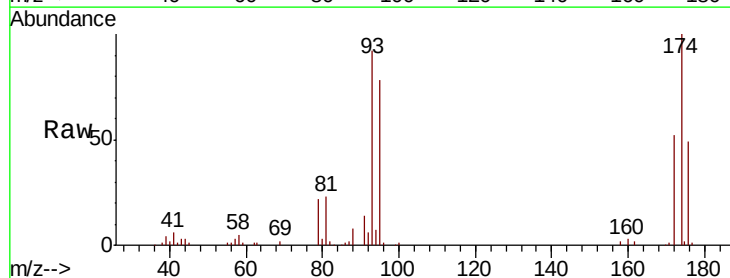
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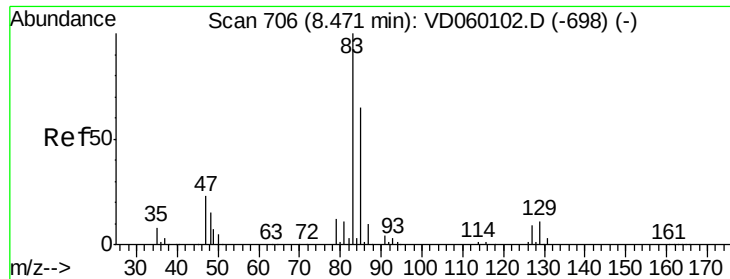
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#46
 Dibromomethane
 Concen: 20.838 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion: 93 Resp: 199219
 Ion Ratio Lower Upper
 93 100
 95 85.5 63.8 95.6
 174 109.1 92.9 139.3





#47

Bromodichloromethane

Concen: 21.088 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

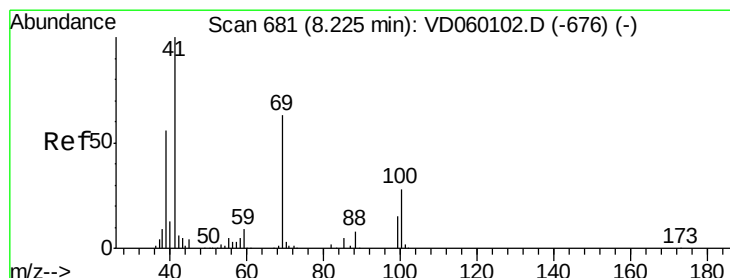
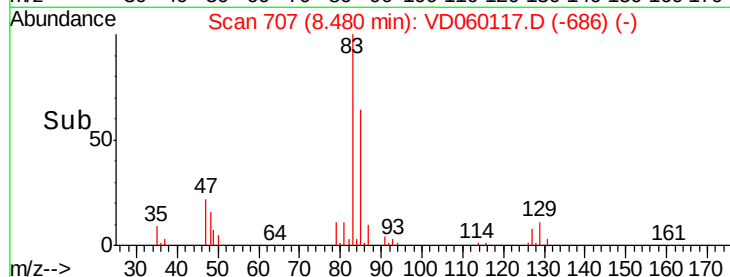
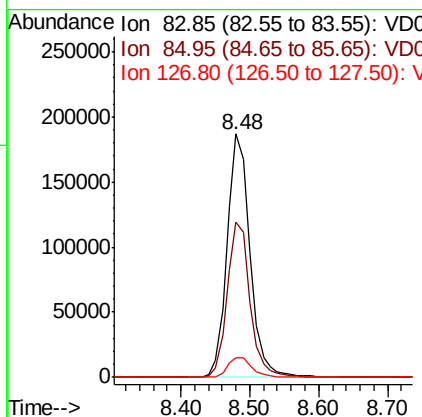
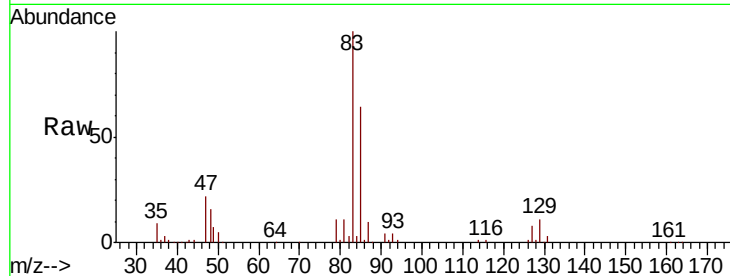
ClientSampleId :

VD1003SBSD01

Tot Ion:	83	Resp:	429573
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.2
127	8.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 21.299 ug/l

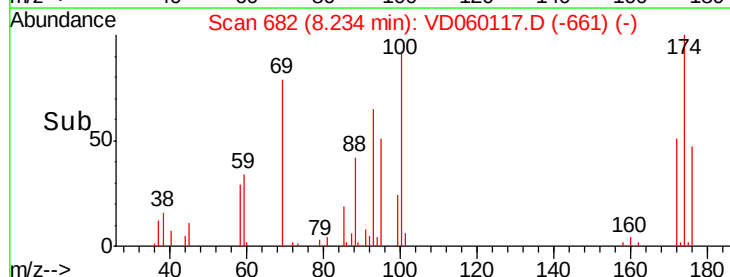
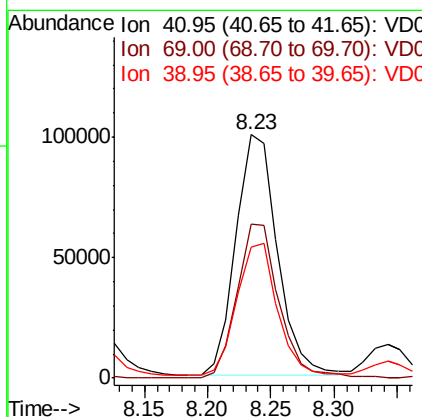
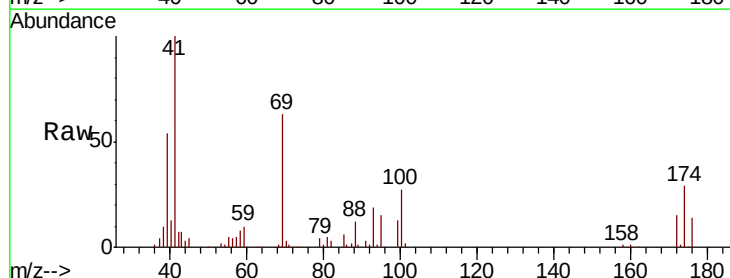
RT: 8.23 min Scan# 682

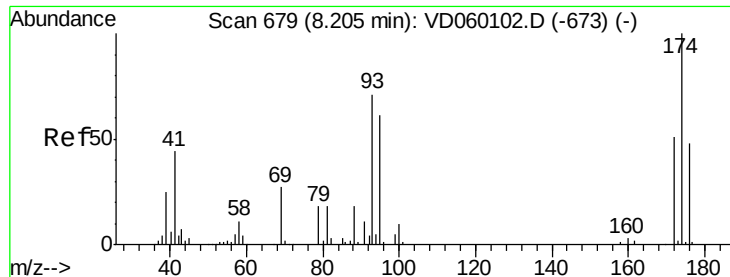
Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion:	41	Resp:	228383
Ion	Ratio	Lower	Upper
41	100		
69	63.0	49.7	74.5
39	53.8	45.2	67.8





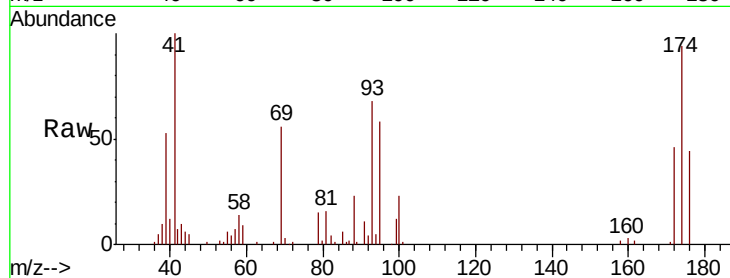
#49
1,4-Dioxane
Concen: 418.232 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

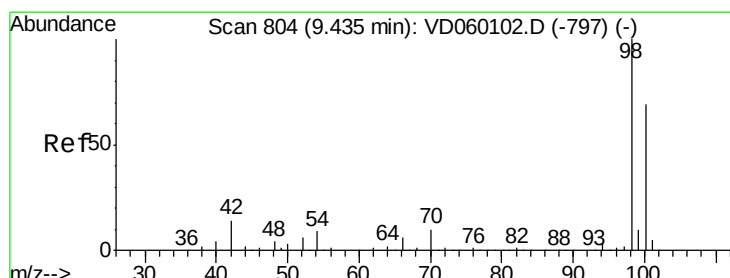
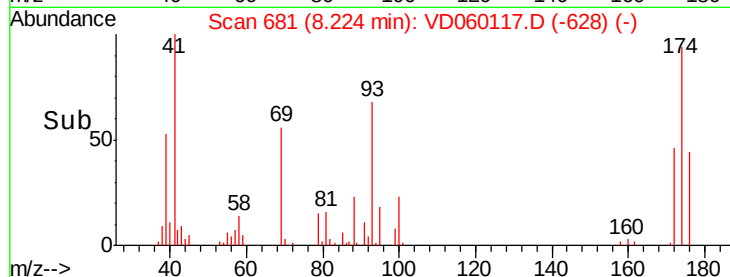
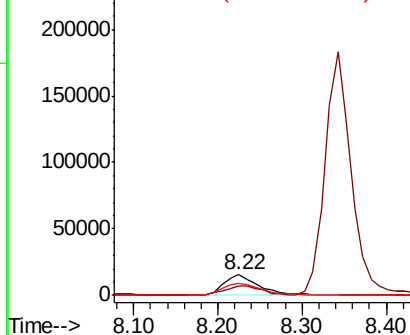
Tot Ion	Ratio	Lower	Upper
88	100		
43	43.9	33.7	50.5
58	61.8	49.1	73.7

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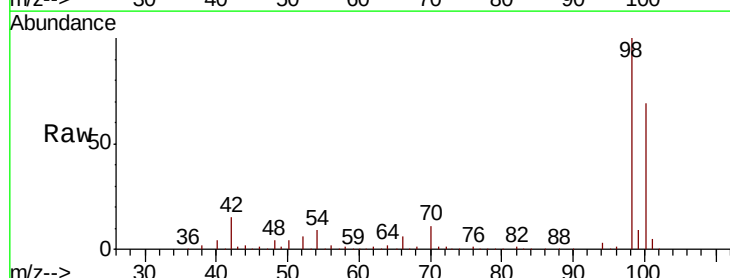


Abundance Ion 88.00 (87.70 to 88.70): VDC
250000
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

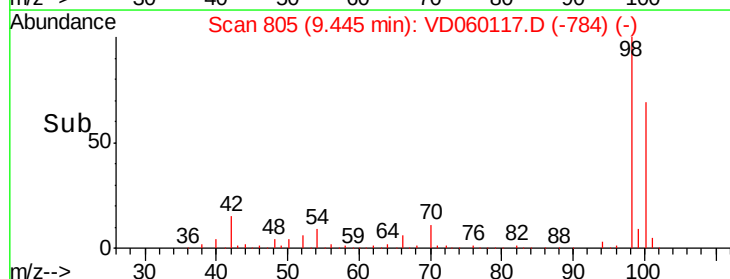
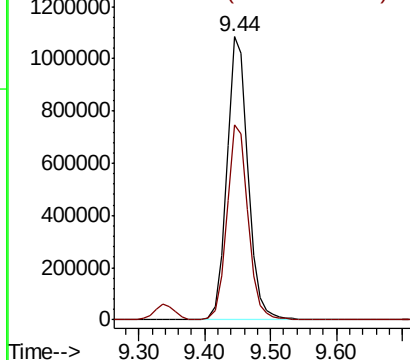


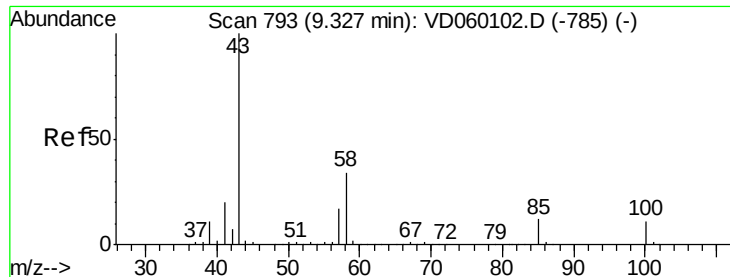
#50
Toluene-d8
Concen: 418.232 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
1200000
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 110.677 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 1314095

Ion Ratio Lower Upper

43 100

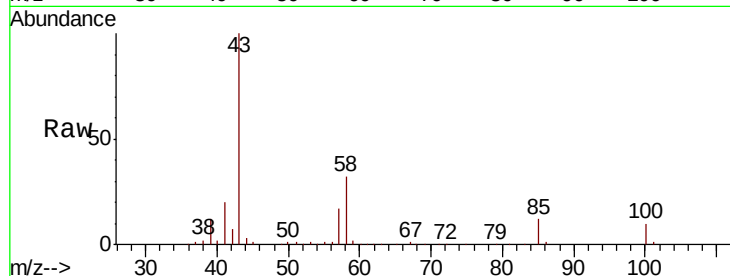
58 32.1 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

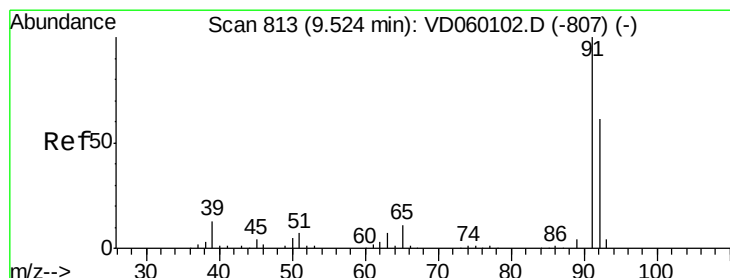
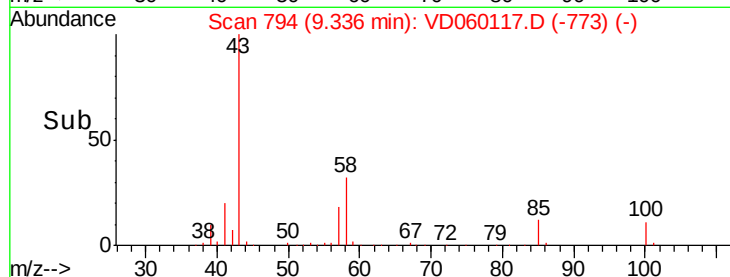
400000

200000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 20.723 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060117.D

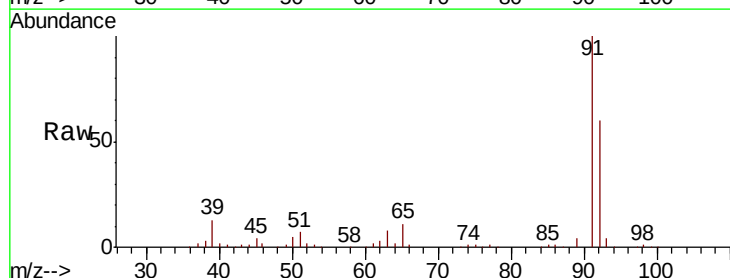
Acq: 3 Oct 2018 14:41

Tgt Ion: 92 Resp: 752697

Ion Ratio Lower Upper

92 100

91 165.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

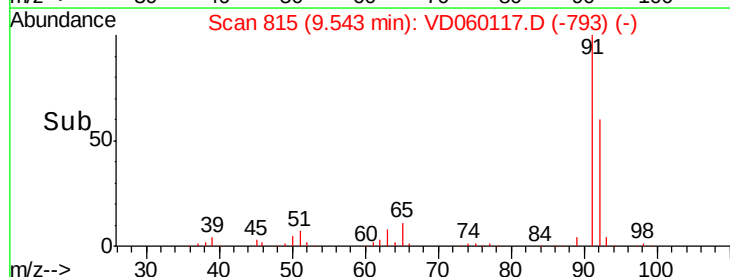
400000

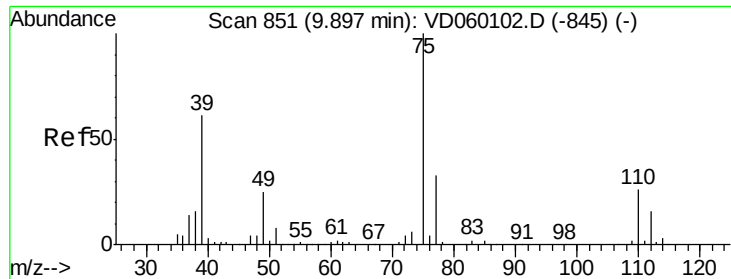
200000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.159 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tot Ion: 75 Resp: 389999

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

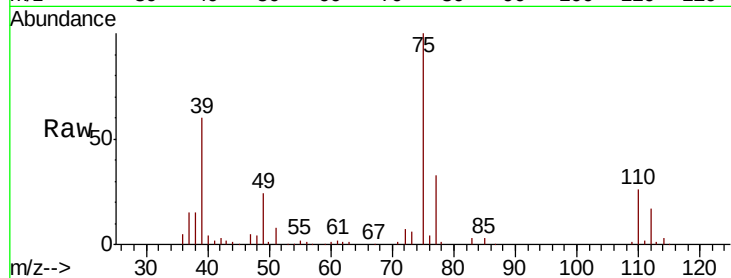
VD1003SBSD01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

200000

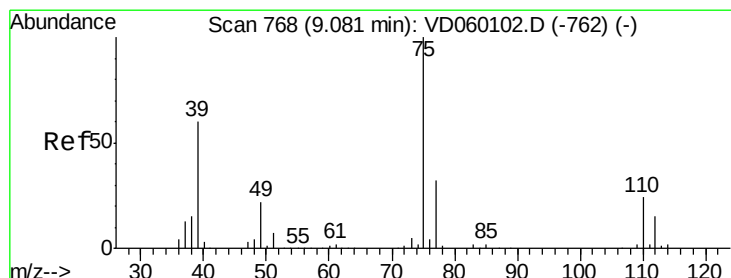
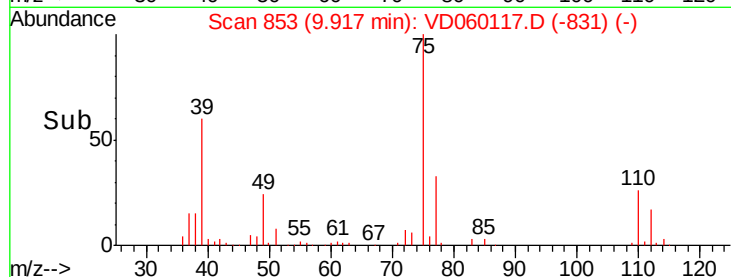
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.158 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

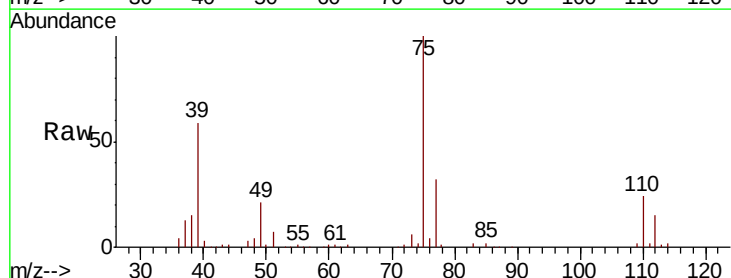
Tgt Ion: 75 Resp: 481575

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 59.2 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

300000

250000

200000

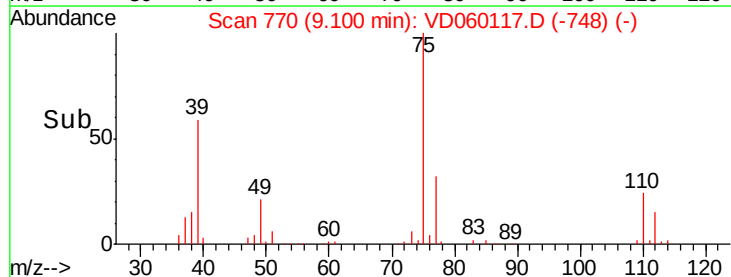
150000

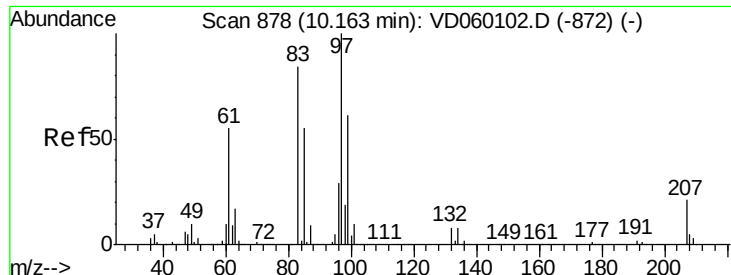
100000

50000

0

Time-->





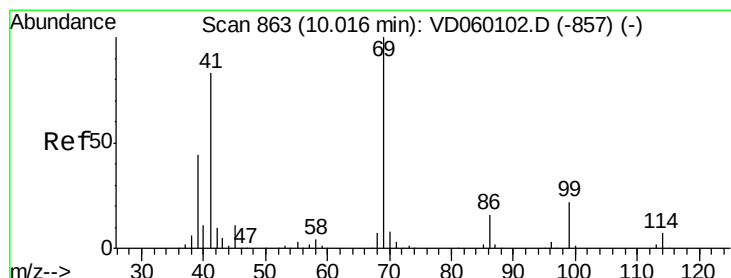
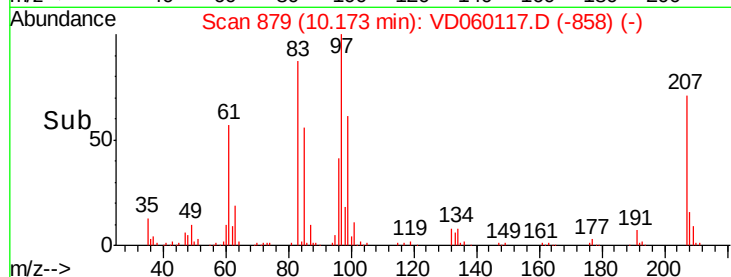
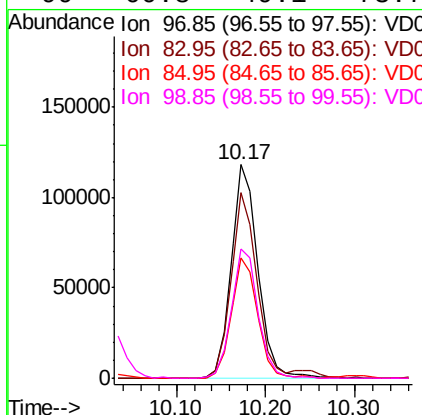
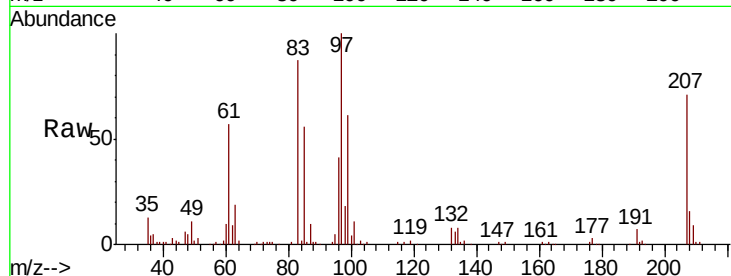
#55
1,1,2-Trichloroethane
Concen: 20.924 ug/l
RT: 10.17 min Scan# 879
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion	97	Resp	248452
Ion Ratio	Lower	Upper	
97	100		
83	86.7	67.0	100.6
85	56.2	43.9	65.9
99	60.8	49.1	73.7

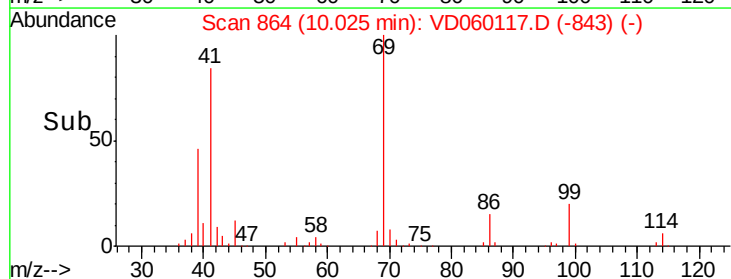
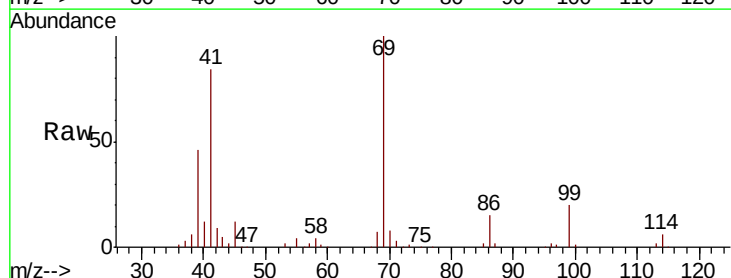
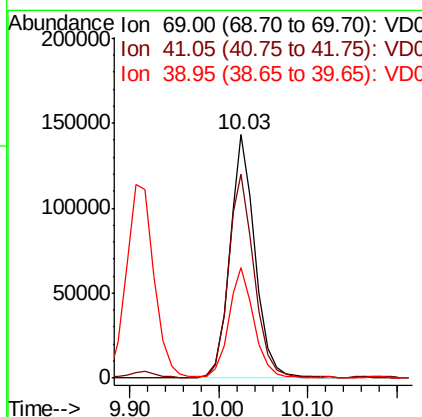
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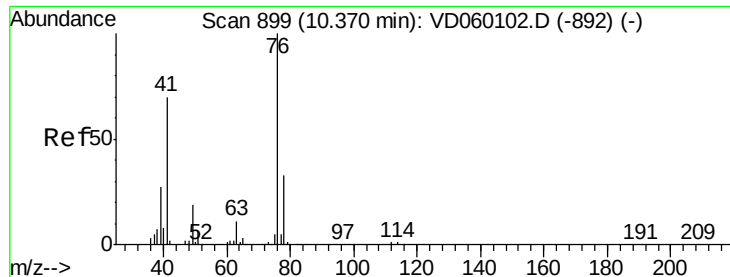
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#56
Ethyl methacrylate
Concen: 21.420 ug/l
RT: 10.03 min Scan# 864
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion	69	Resp	280750
Ion Ratio	Lower	Upper	
69	100		
41	83.8	66.6	100.0
39	45.6	36.0	54.0





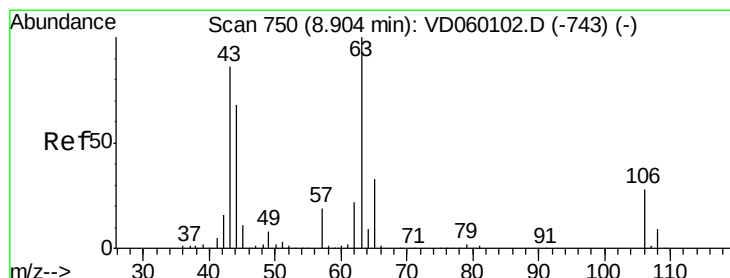
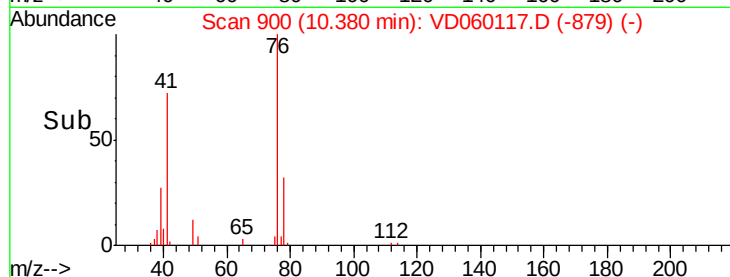
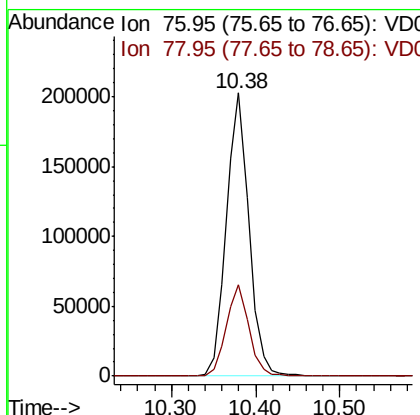
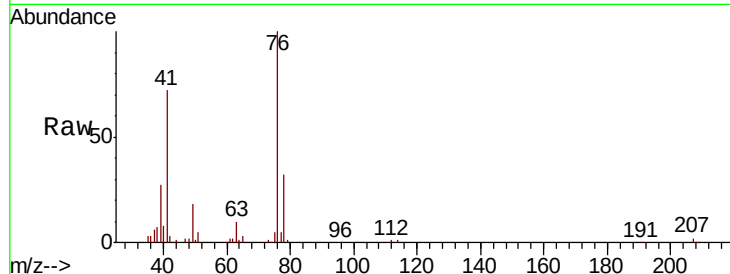
#57
 1,3-Dichloropropane
 Concen: 20.832 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion: 76 Resp: 377253
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

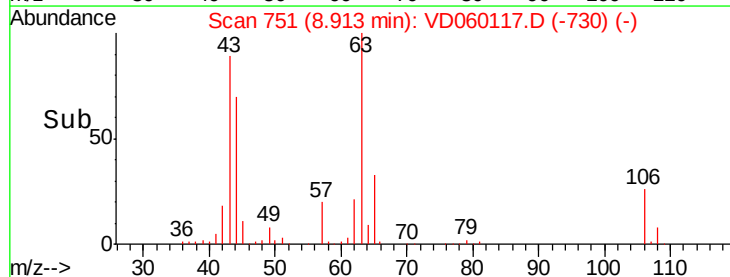
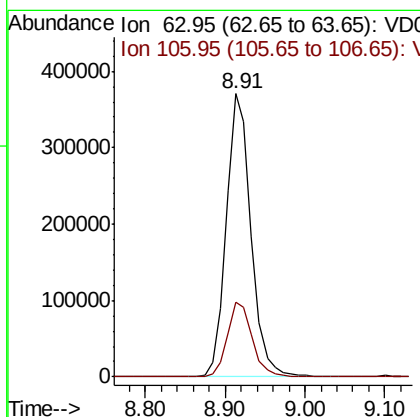
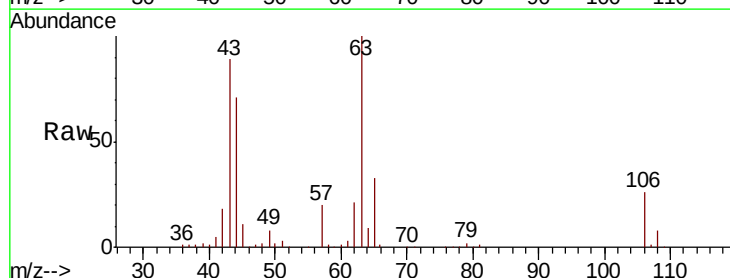
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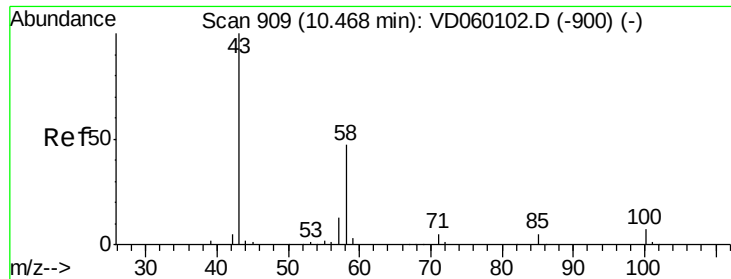
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.266 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion: 63 Resp: 809849
 Ion Ratio Lower Upper
 63 100
 106 26.3 22.6 34.0





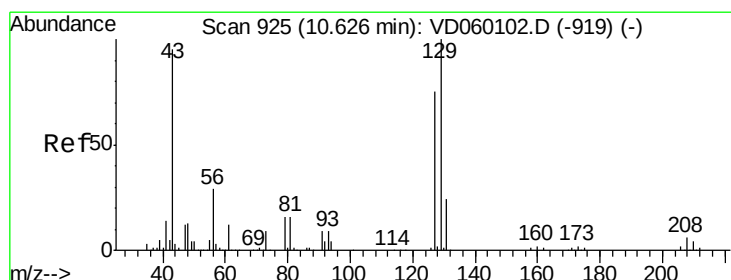
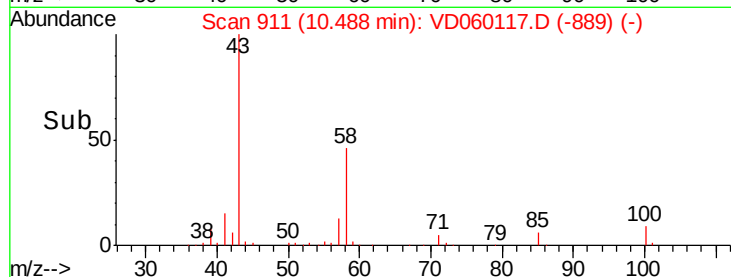
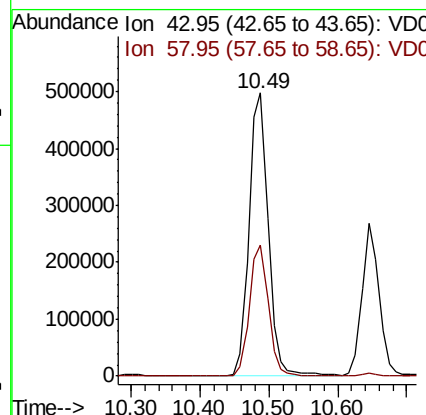
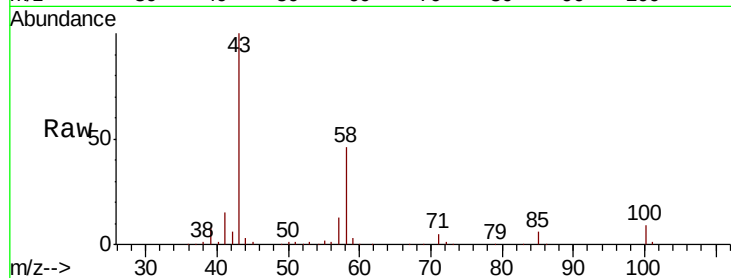
#59
2-Hexanone
Concen: 112.956 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion: 43 Resp: 964399
Ion Ratio Lower Upper
43 100
58 46.2 23.3 69.9

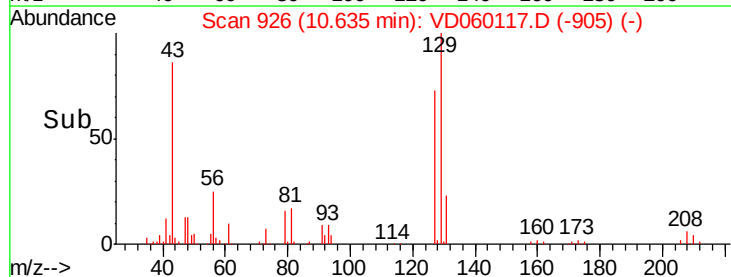
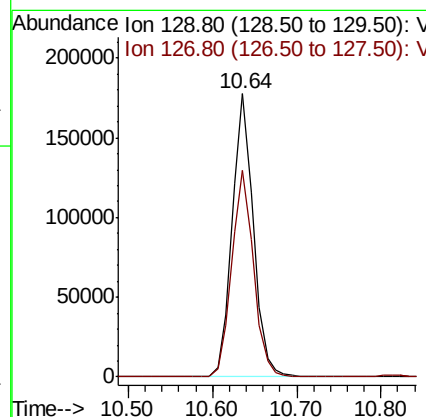
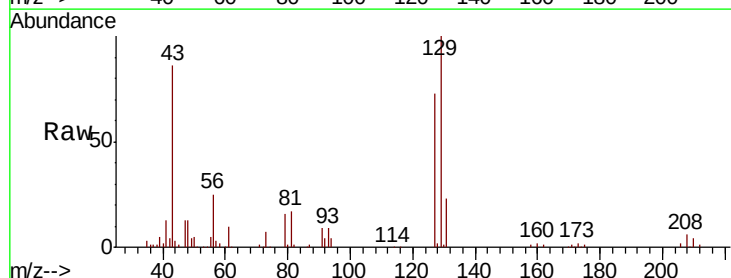
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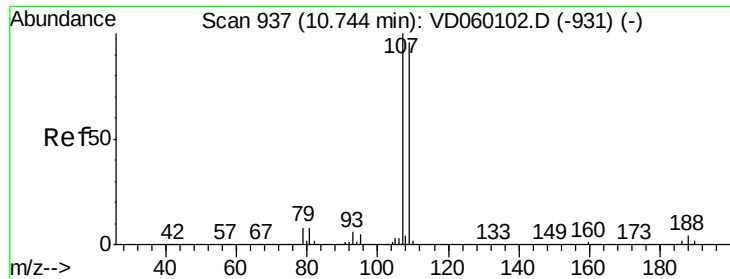
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#60
Dibromochloromethane
Concen: 21.274 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion: 129 Resp: 309929
Ion Ratio Lower Upper
129 100
127 73.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 20.991 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

Tot Ion:107 Resp: 264826

Ion Ratio Lower Upper

107 100

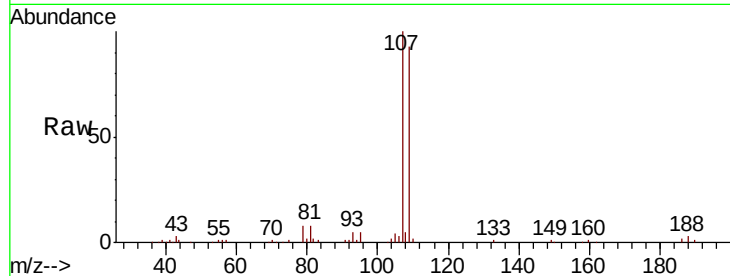
109 92.8 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

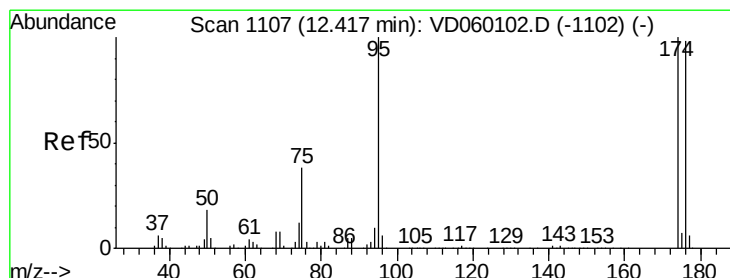
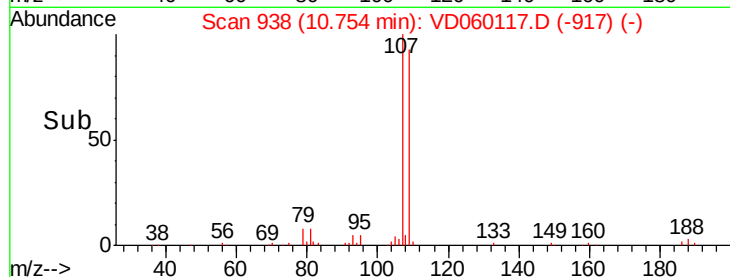
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.991 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

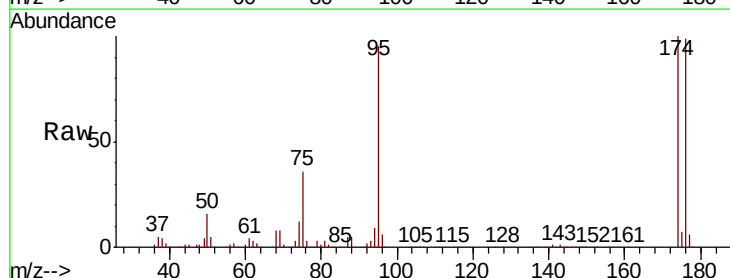
Tgt Ion: 95 Resp: 901445

Ion Ratio Lower Upper

95 100

174 104.9 0.0 200.2

176 103.5 0.0 195.6



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

800000

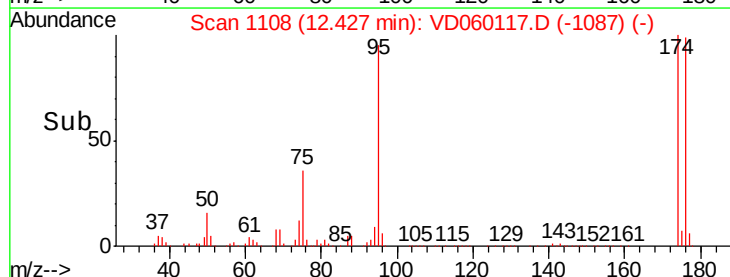
600000

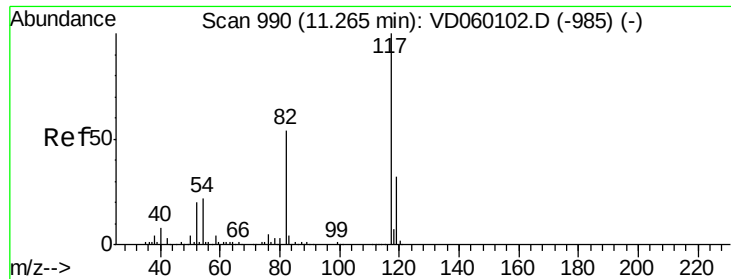
400000

200000

0

Time-->





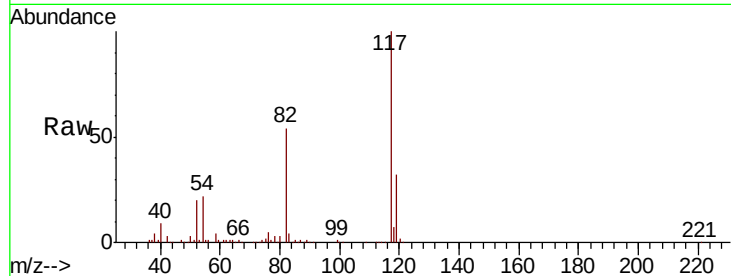
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

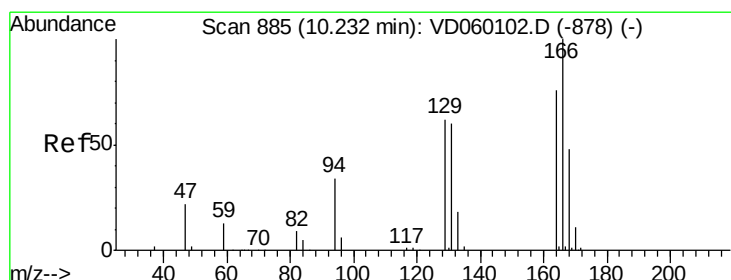
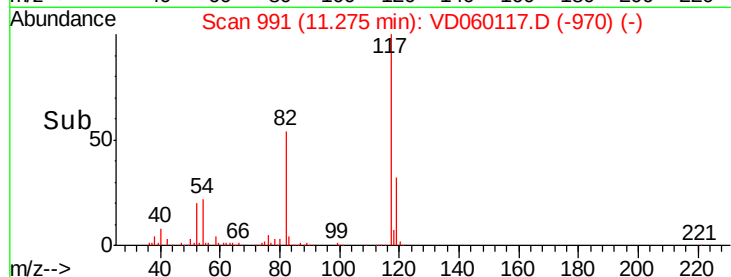
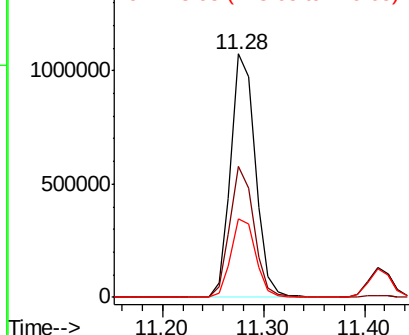
Tot Ion:117 Resp: 1824956
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.2
119 32.0 26.0 39.0

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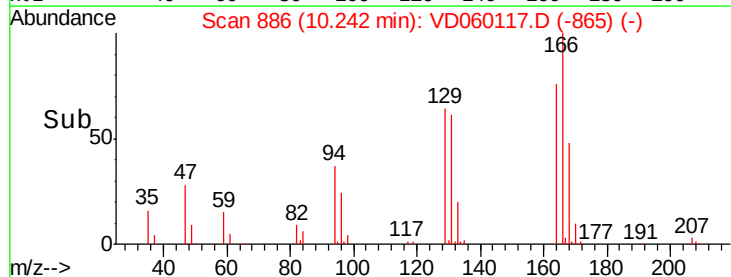
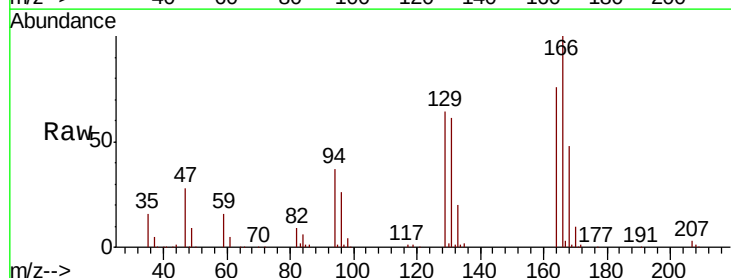
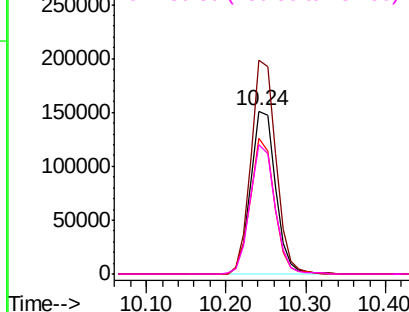
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

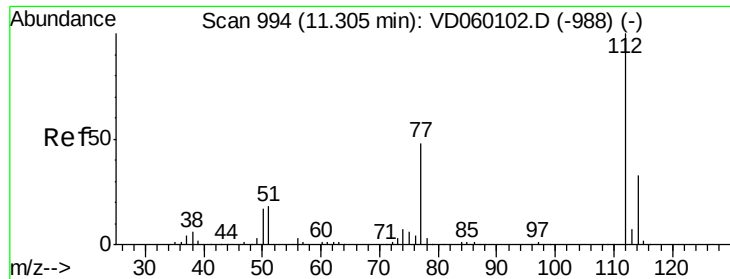


#64
Tetrachloroethene
Concen: 20.285 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion:164 Resp: 324236
Ion Ratio Lower Upper
164 100
166 130.9 105.4 158.0
129 83.3 65.7 98.5
131 79.6 62.9 94.3

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





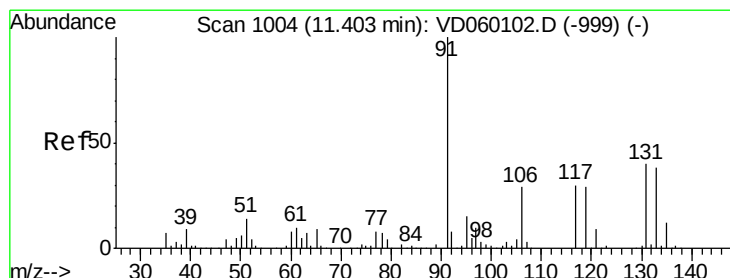
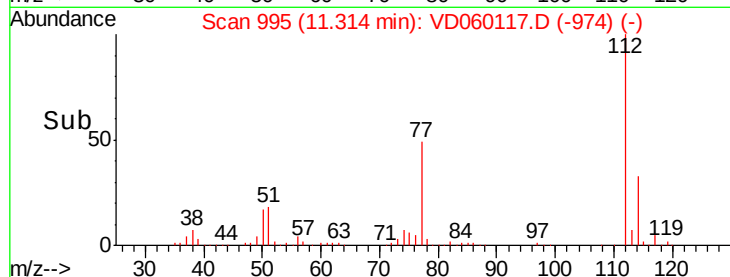
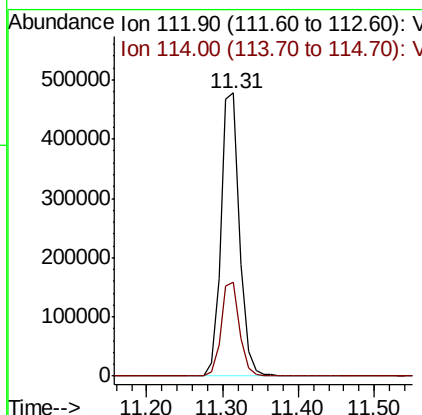
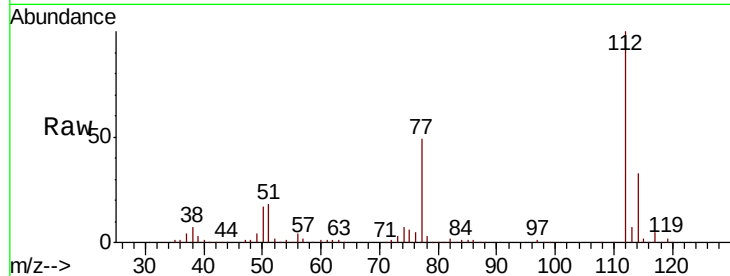
#65
Chlorobenzene
Concen: 20.743 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion:112 Resp: 818963
Ion Ratio Lower Upper
112 100
114 33.2 26.0 39.0

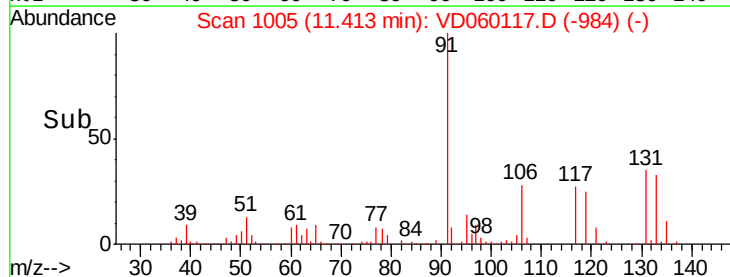
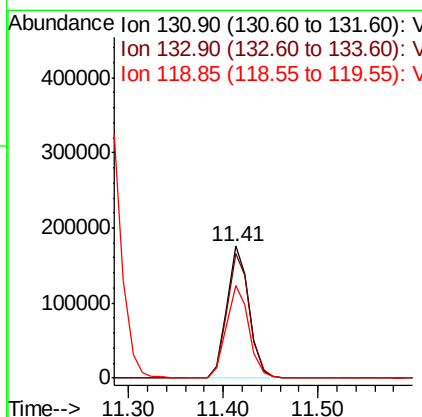
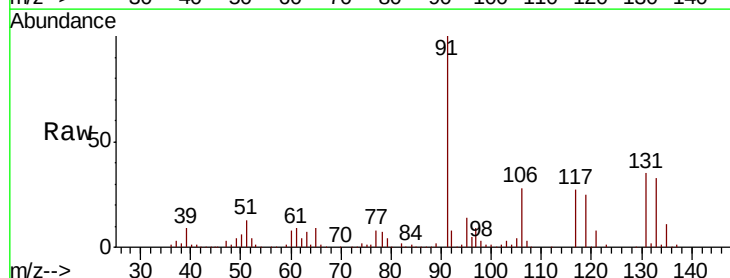
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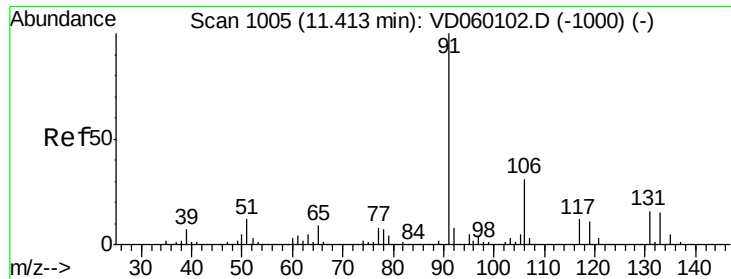
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.664 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion:131 Resp: 285331
Ion Ratio Lower Upper
131 100
133 94.4 47.4 142.3
119 70.2 36.1 108.3





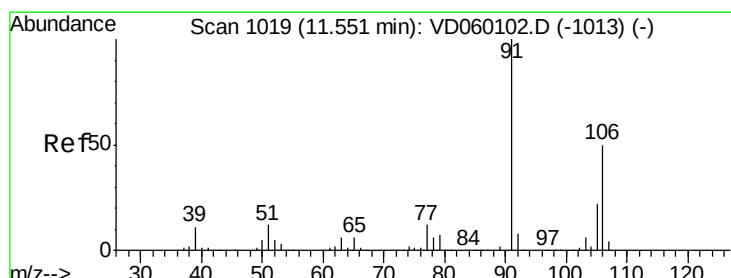
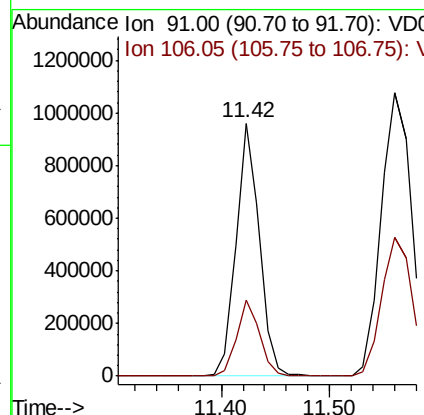
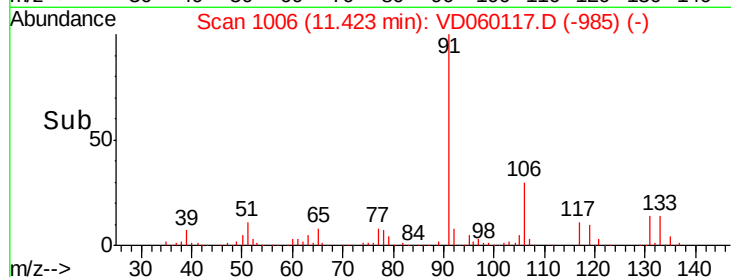
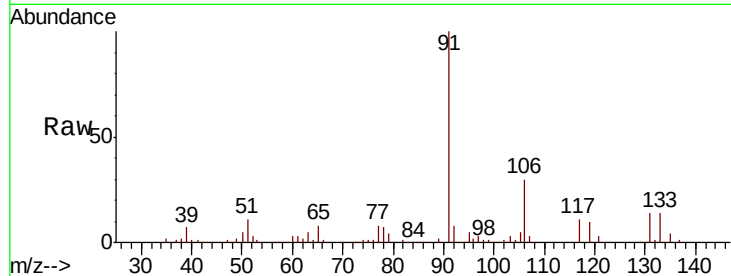
#67
Ethyl Benzene
Concen: 22.476 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 91 Resp: 1437674
Ion Ratio Lower Upper
91 100
106 30.2 24.4 36.6

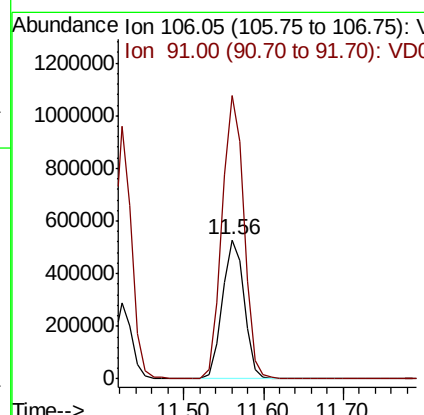
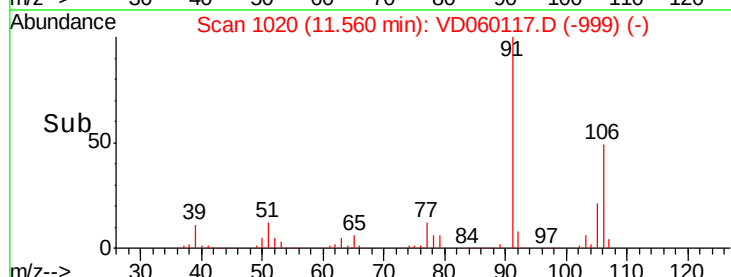
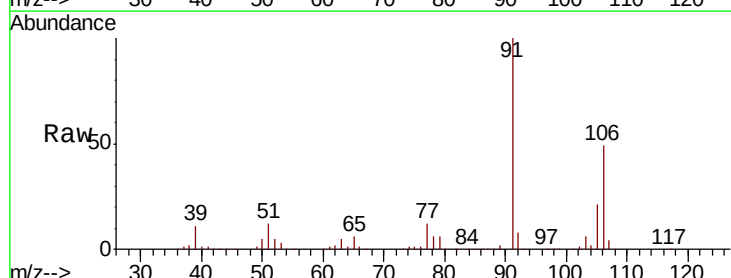
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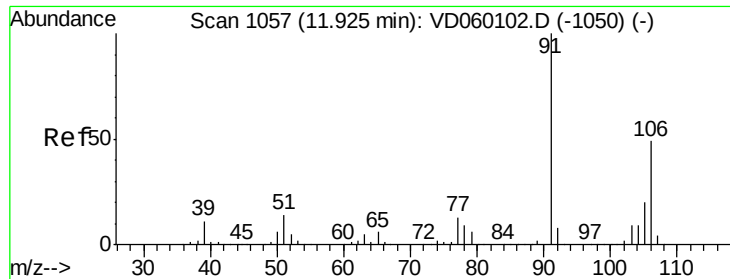
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#68
m/p-Xylenes
Concen: 42.928 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion: 106 Resp: 1025976
Ion Ratio Lower Upper
106 100
91 203.4 160.0 240.0





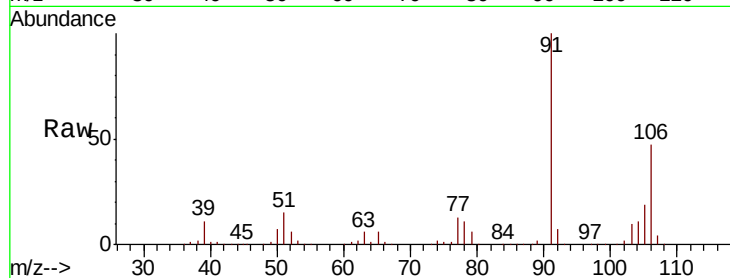
#69
o-Xylene
Concen: 21.129 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

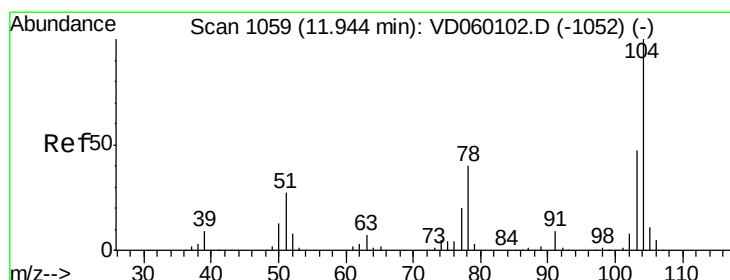
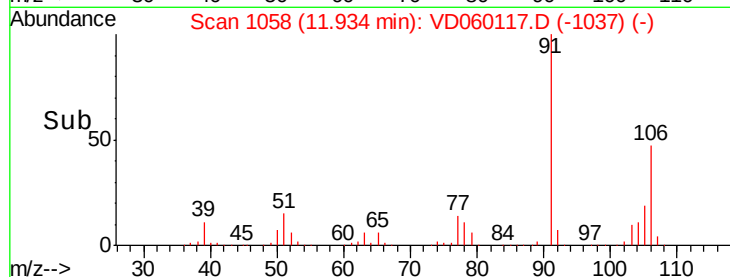
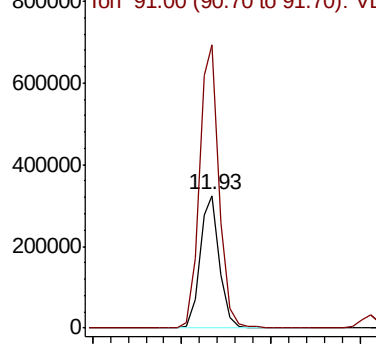
Tot Ion:106 Resp: 499493
Ion Ratio Lower Upper
106 100
91 213.3 102.5 307.5

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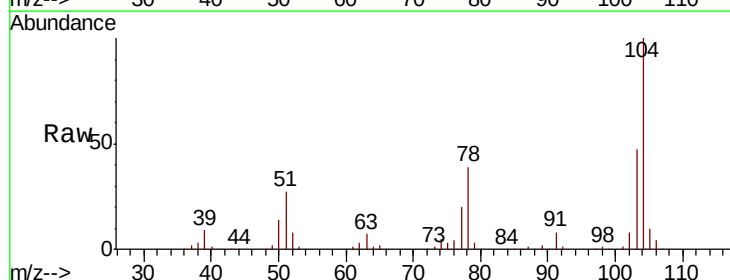


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

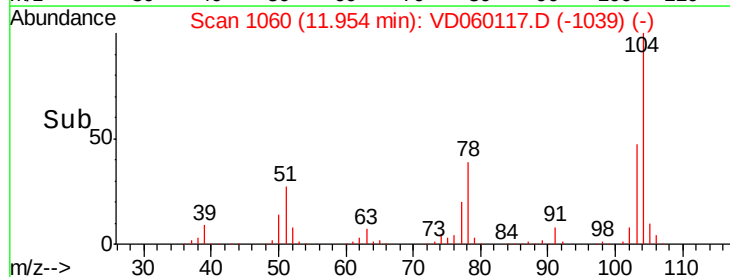
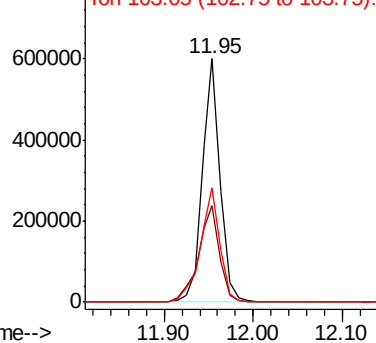


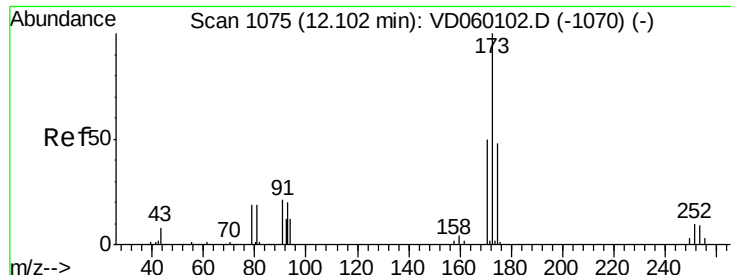
#70
Styrene
Concen: 21.308 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion:104 Resp: 842367
Ion Ratio Lower Upper
104 100
78 39.5 32.2 48.4
103 46.8 37.4 56.0



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





#71

Bromoform

Concen: 20.669 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

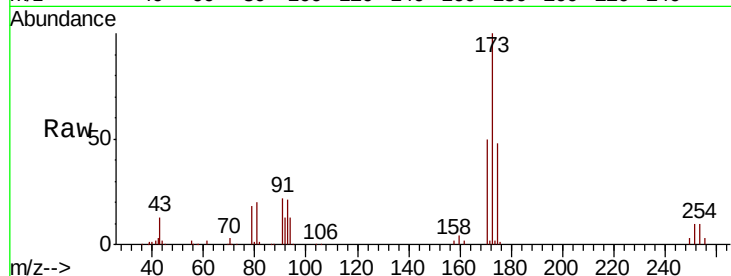
ClientSampleId :

VD1003SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.4
254	9.7	7.4	11.0

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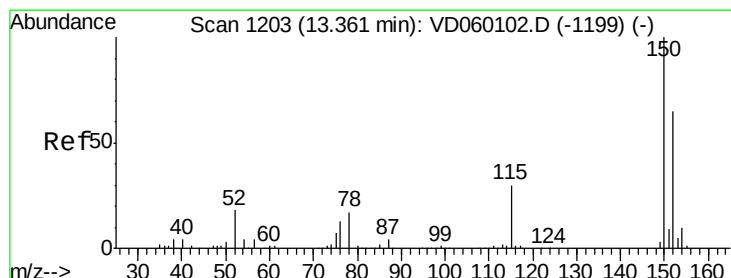
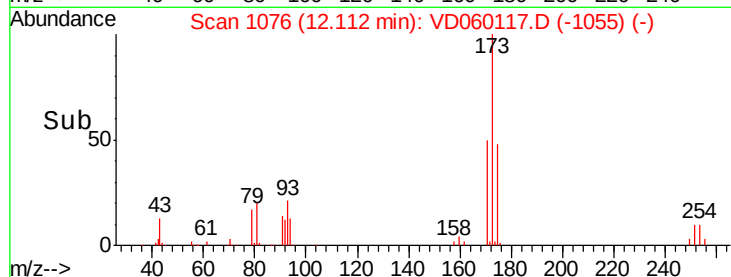
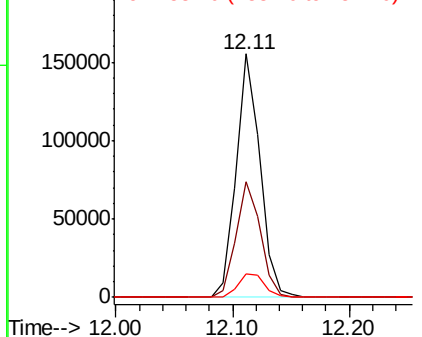


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

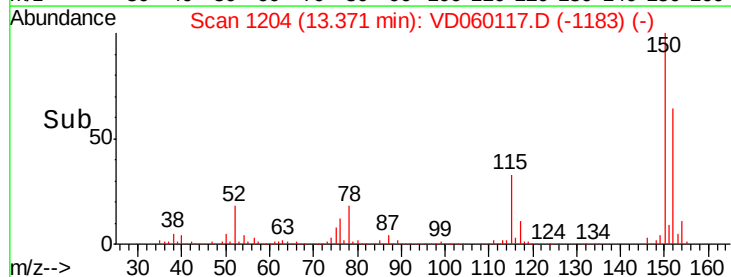
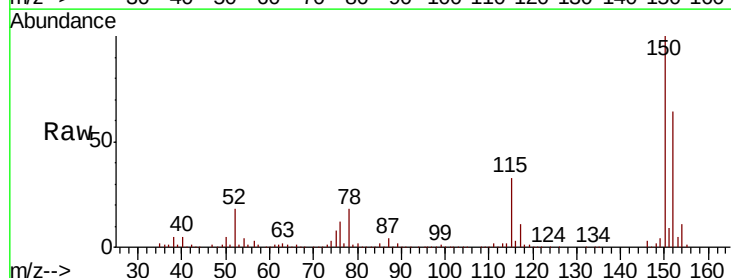
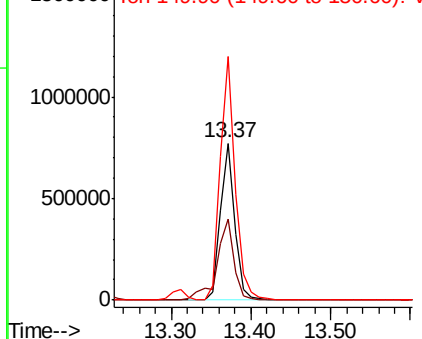
Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.6	27.1	81.2
150	155.2	0.0	311.8

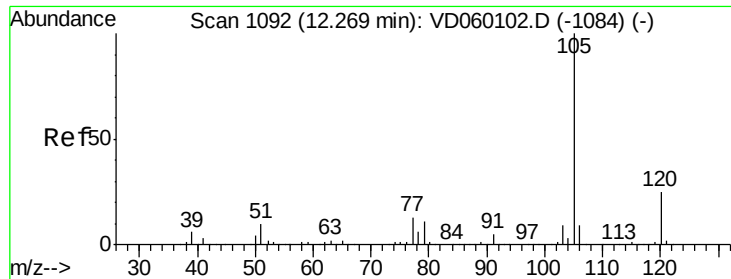
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.321 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

Tot Ion:105 Resp: 1320594

Ion Ratio Lower Upper

105 100

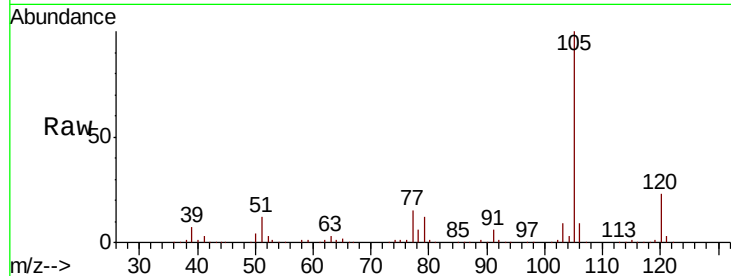
120 23.5 12.6 37.6

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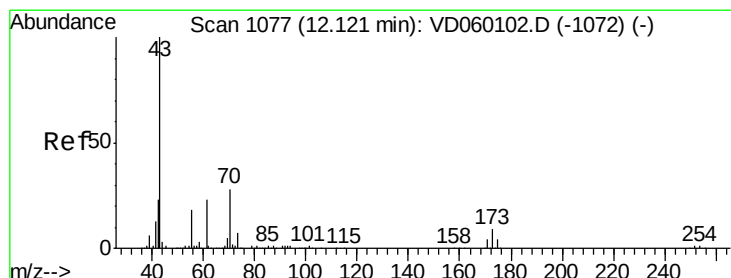
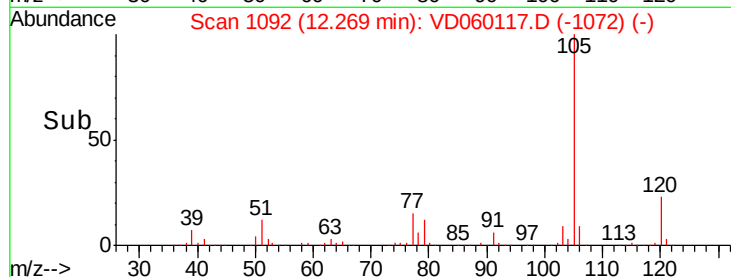
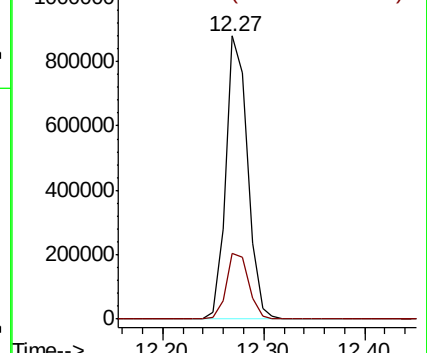
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.440 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion: 43 Resp: 510363

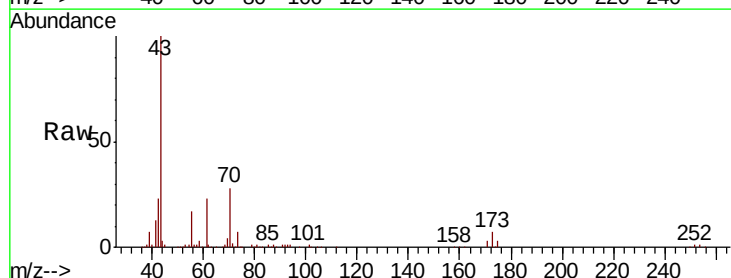
Ion Ratio Lower Upper

43 100

70 27.9 22.1 33.1

55 16.6 14.1 21.1

61 22.6 18.4 27.6

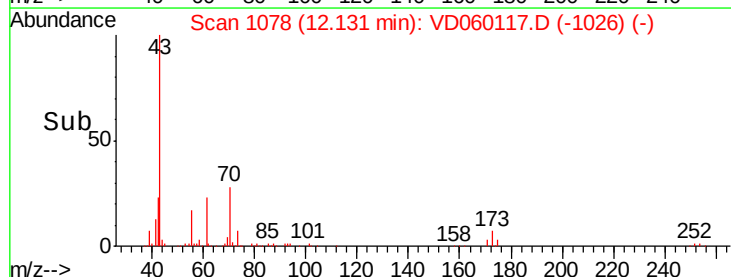
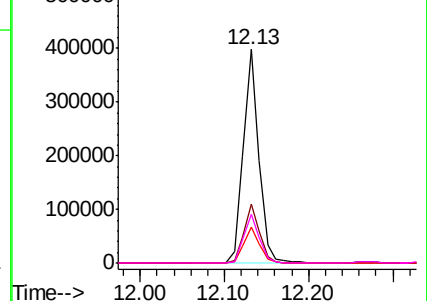


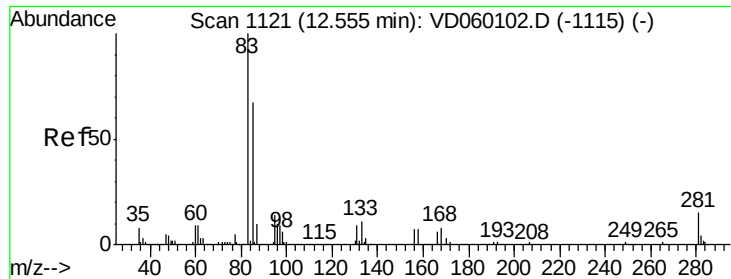
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.321 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

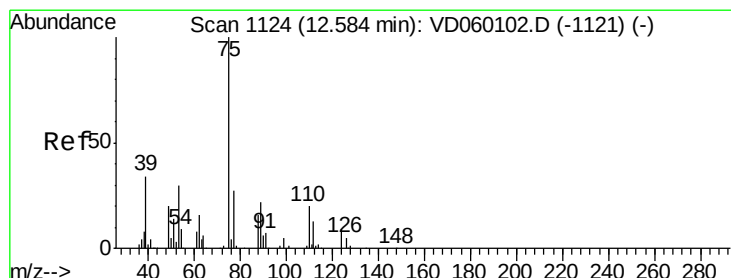
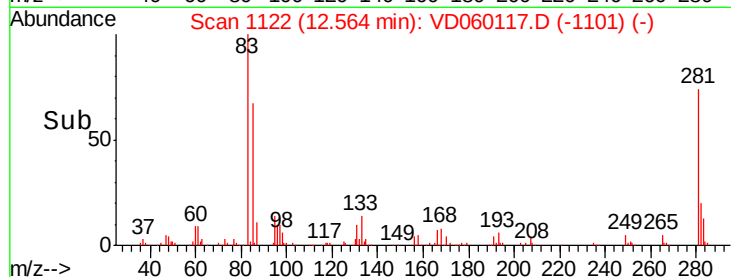
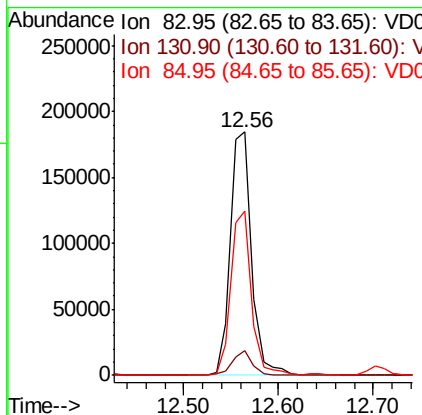
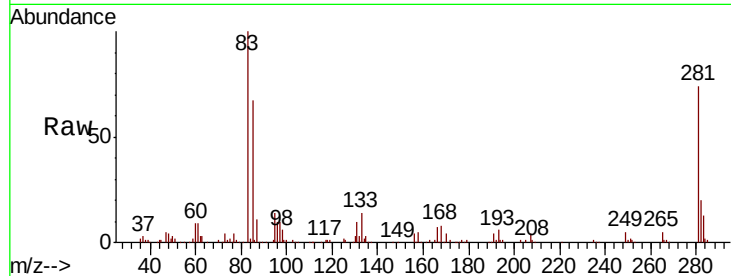
ClientSampleId :

VD1003SBS01

Tot Ion:	83	Resp:	288299
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.5	13.4
85	67.3	33.3	99.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.658 ug/l

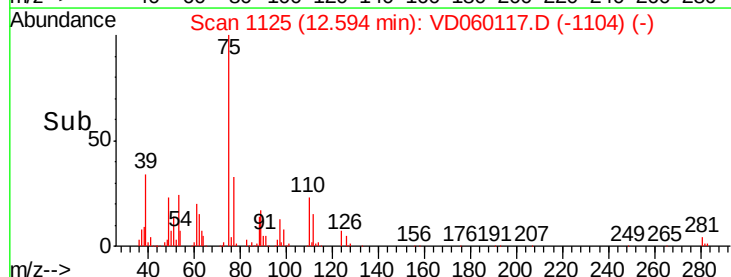
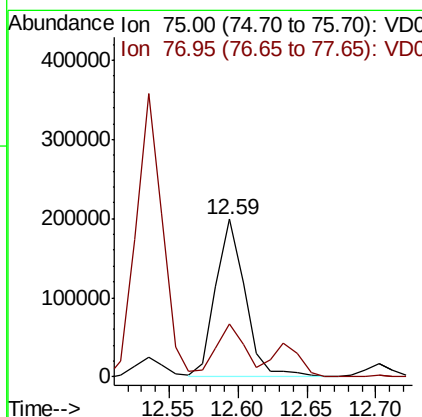
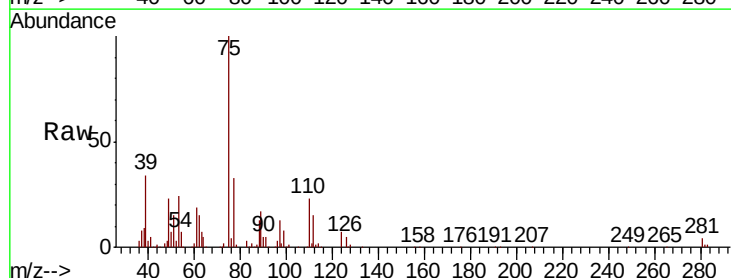
RT: 12.59 min Scan# 1125

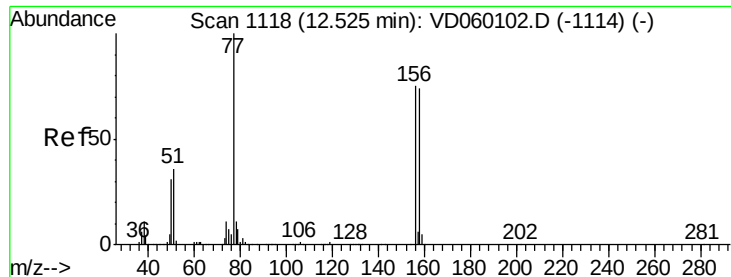
Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion:	75	Resp:	293064
Ion Ratio	Lower	Upper	
75	100		
77	33.3	16.3	48.9





#77

Bromobenzene

Concen: 20.270 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

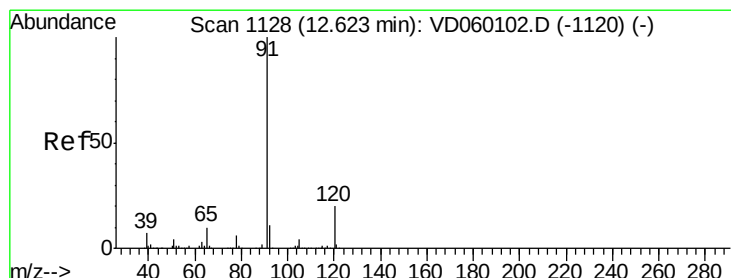
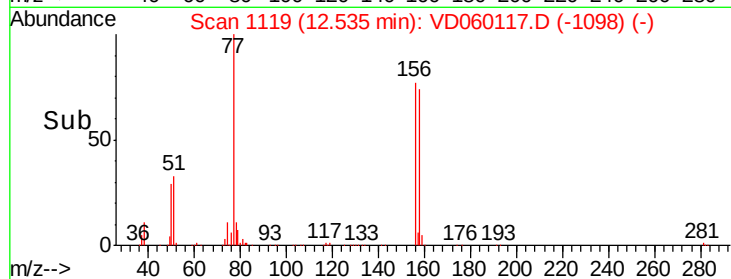
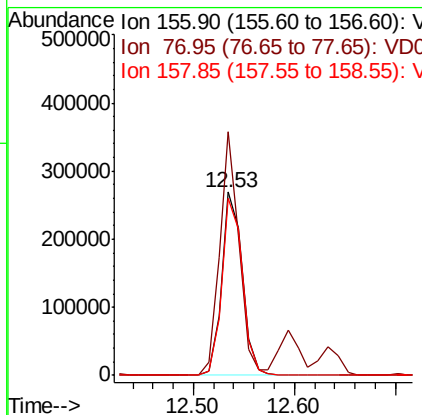
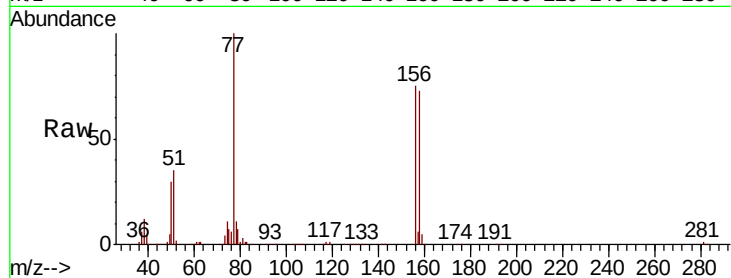
ClientSampleId :

VD1003SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	133.0	66.9	200.7		
158	96.6	49.1	147.4		

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#78

n-propylbenzene

Concen: 20.821 ug/l

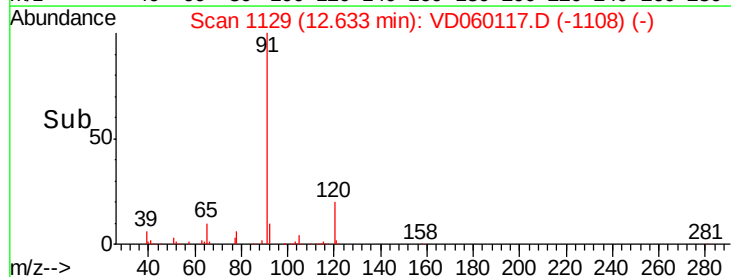
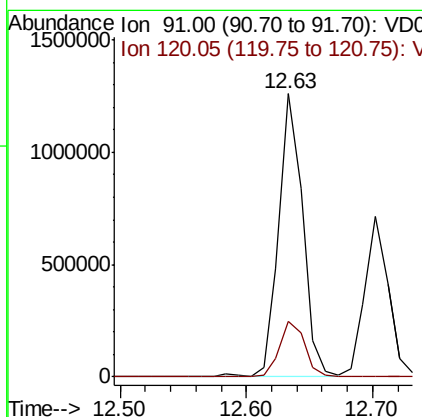
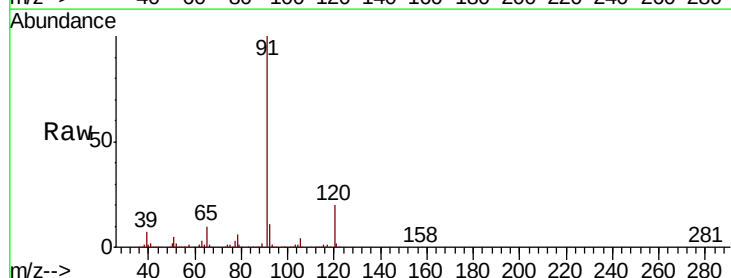
RT: 12.63 min Scan# 1129

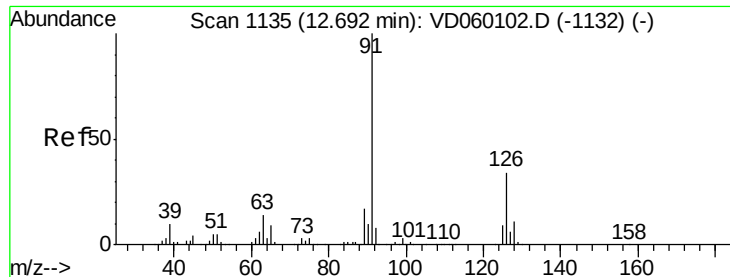
Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	19.8	10.0	30.0		





#79

2-Chlorotoluene

Concen: 20.759 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 91 Resp: 929697

Ion Ratio Lower Upper

91 100

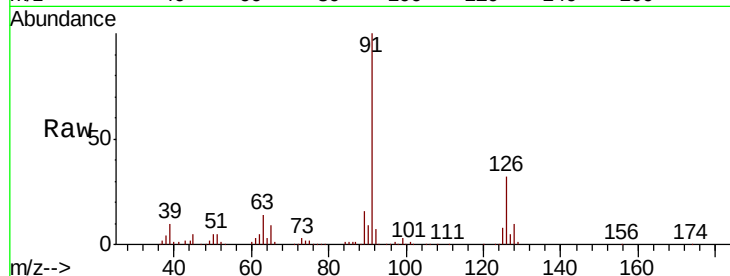
126 32.5 16.8 50.3

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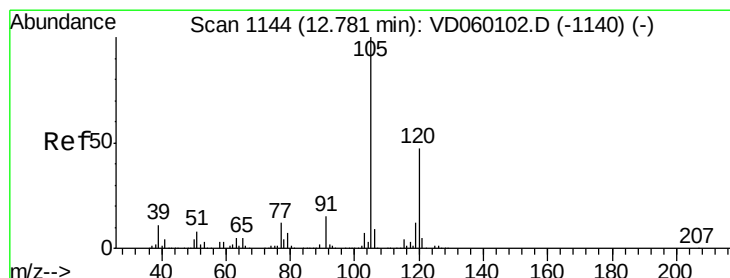
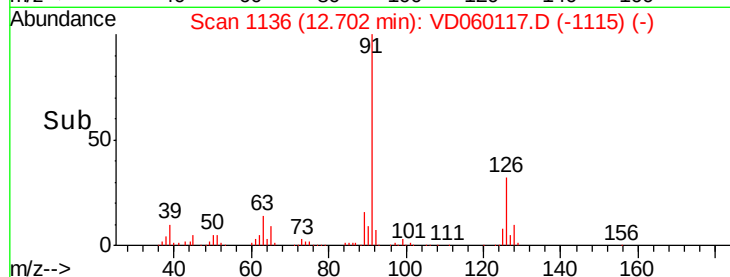
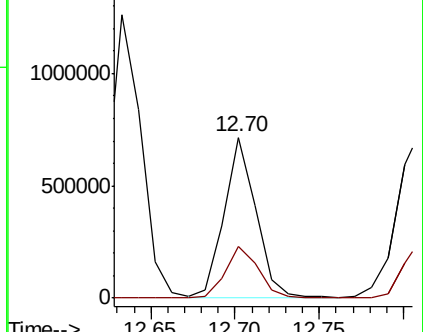
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.890 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060117.D

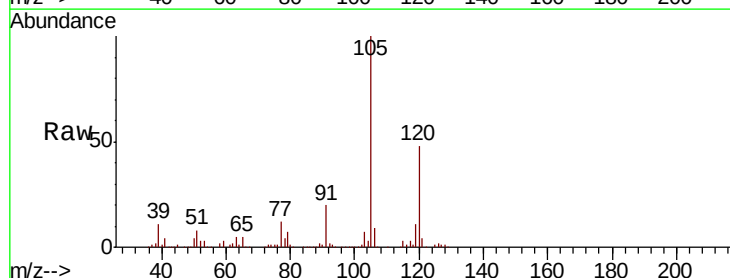
Acq: 3 Oct 2018 14:41

Tgt Ion:105 Resp: 1100994

Ion Ratio Lower Upper

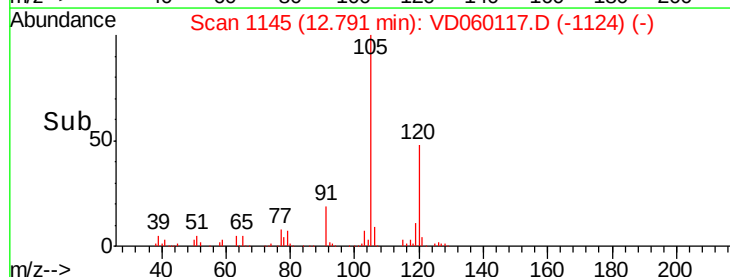
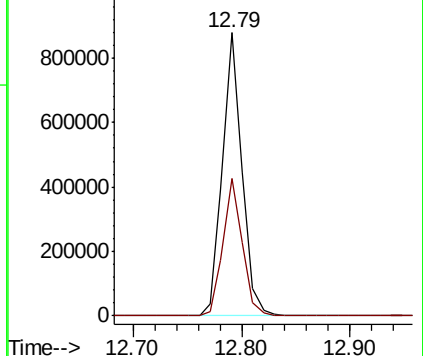
105 100

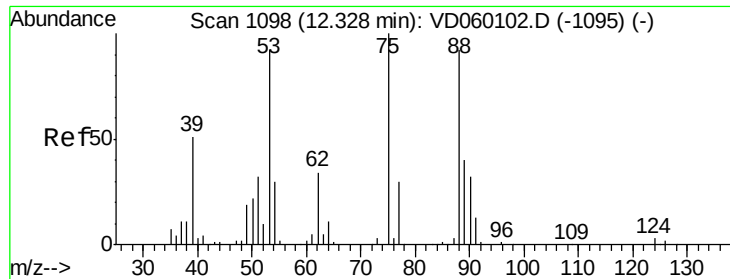
120 48.5 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





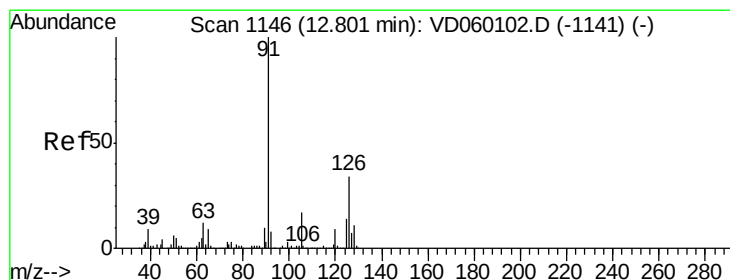
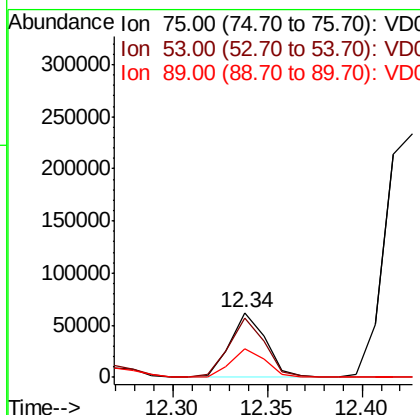
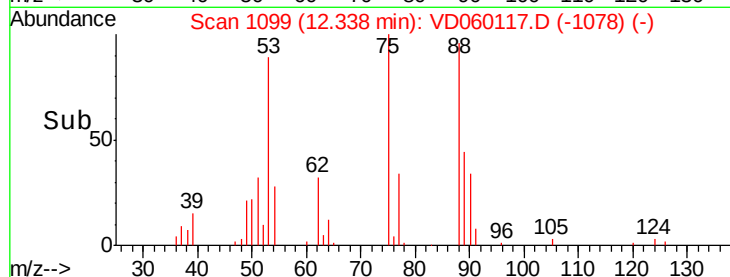
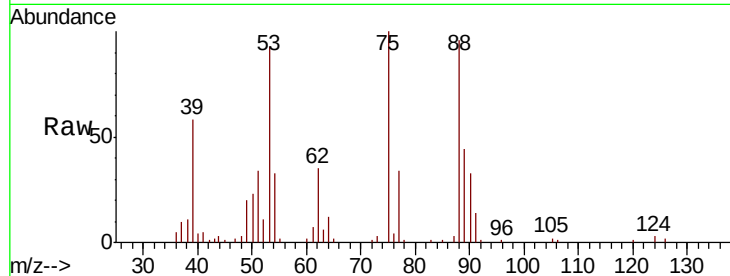
#81
trans-1,4-Dichloro-2-butene
Concen: 20.398 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	73.0	109.6
89	43.6	32.0	48.0

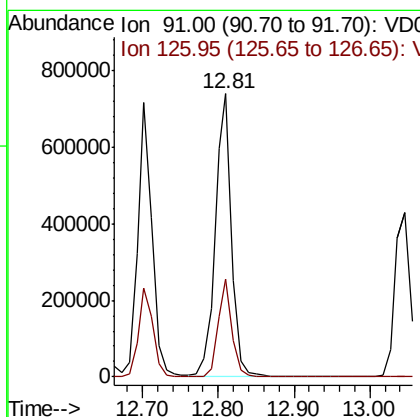
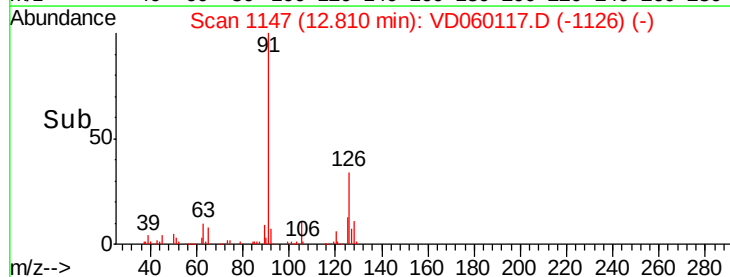
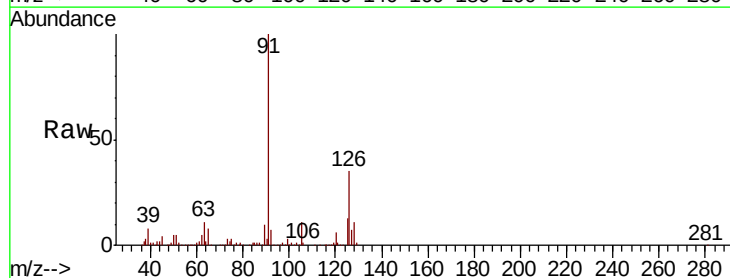
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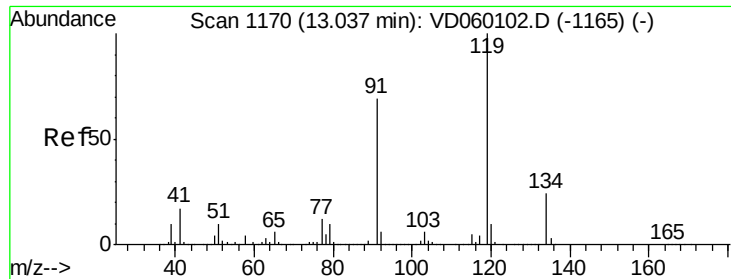
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#82
4-Chlorotoluene
Concen: 21.991 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.1	51.2





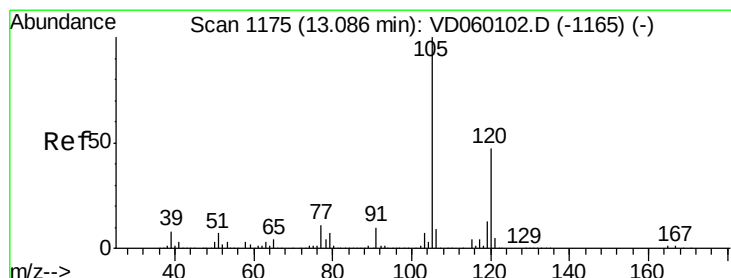
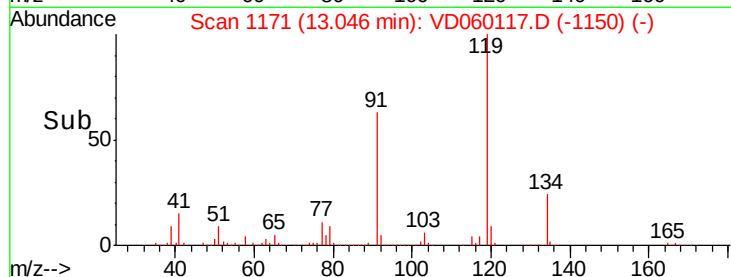
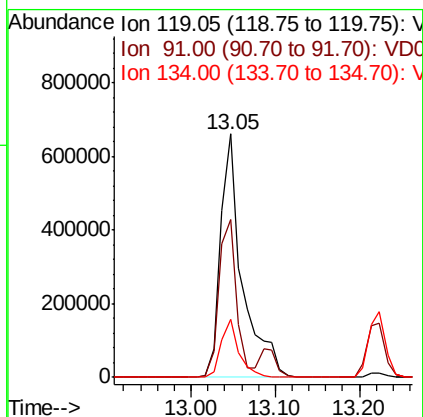
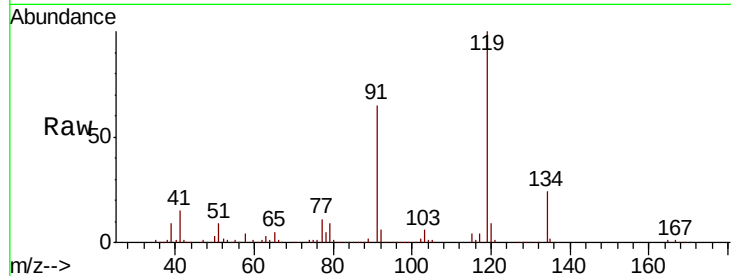
#83
 tert-Butylbenzene
 Concen: 20.654 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion:119 Resp: 1192126
 Ion Ratio Lower Upper
 119 100
 91 64.8 34.8 104.4
 134 23.6 11.8 35.4

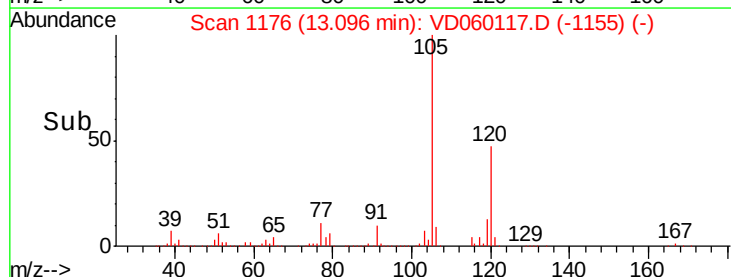
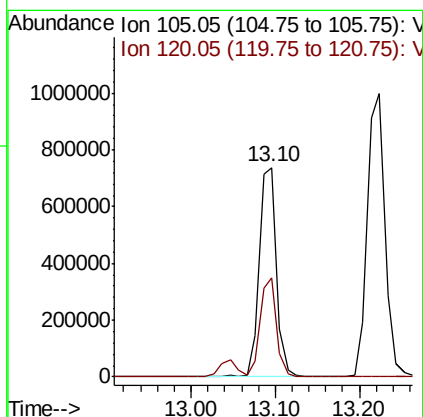
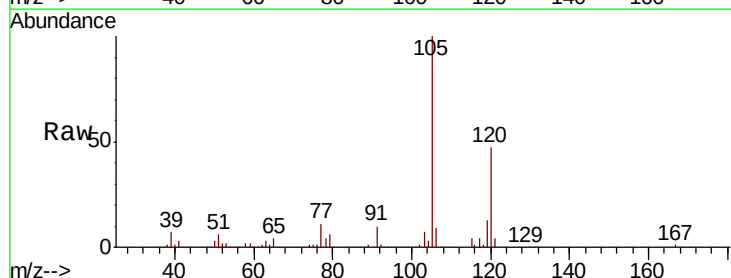
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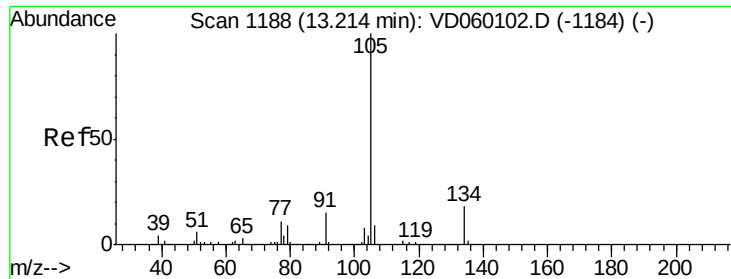
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.249 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion:105 Resp: 1073363
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.0





#85

sec-Butylbenzene

Concen: 21.276 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:105 Resp: 1451970

Ion Ratio Lower Upper

105 100

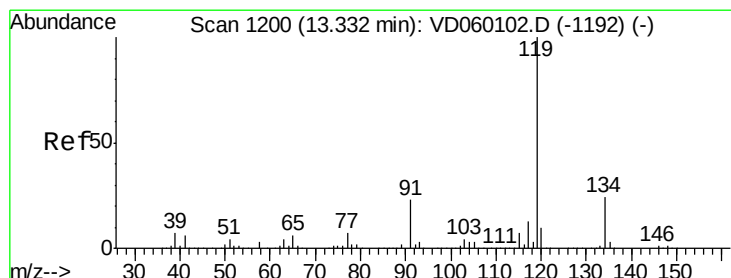
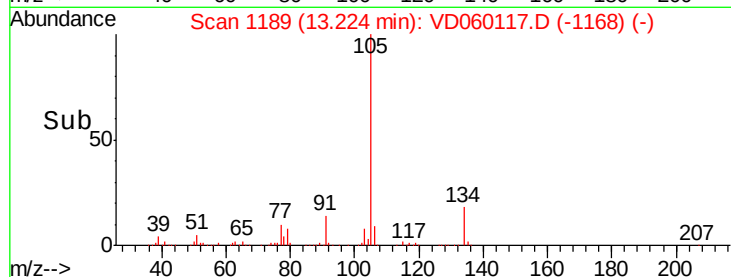
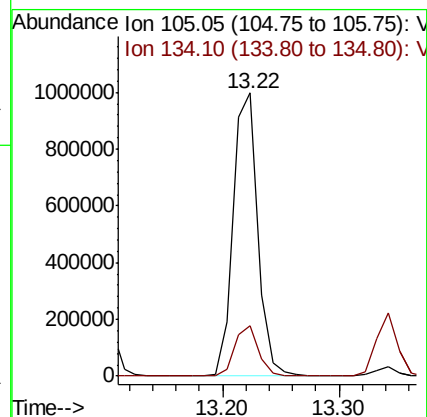
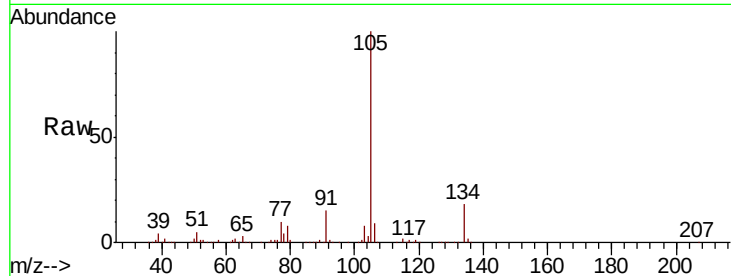
134 18.0 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 20.568 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060117.D

Acq: 3 Oct 2018 14:41

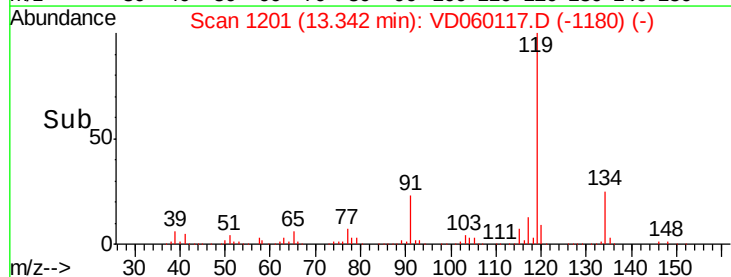
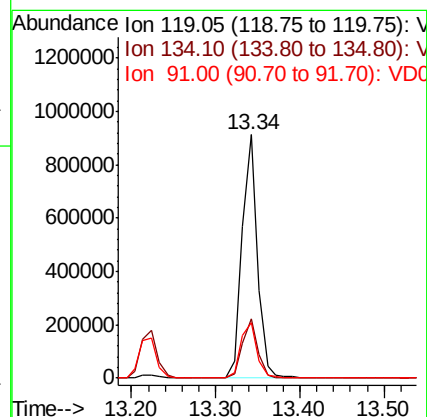
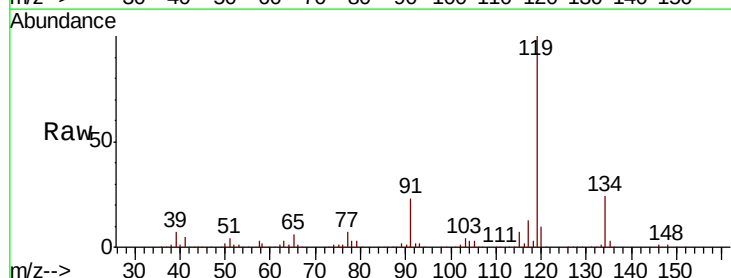
Tgt Ion:119 Resp: 1151275

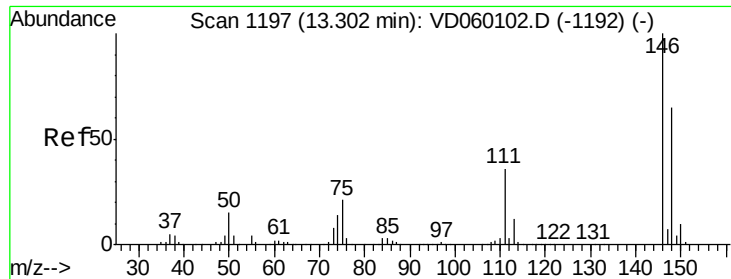
Ion Ratio Lower Upper

119 100

134 24.5 12.3 36.8

91 22.9 11.8 35.4





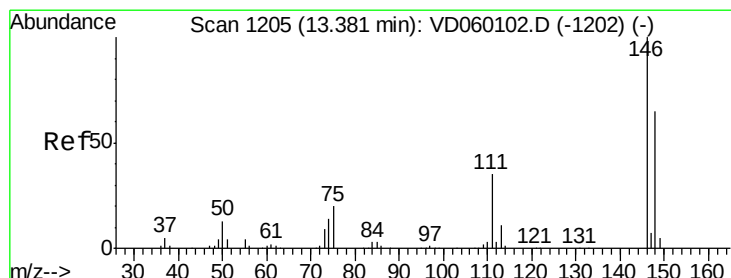
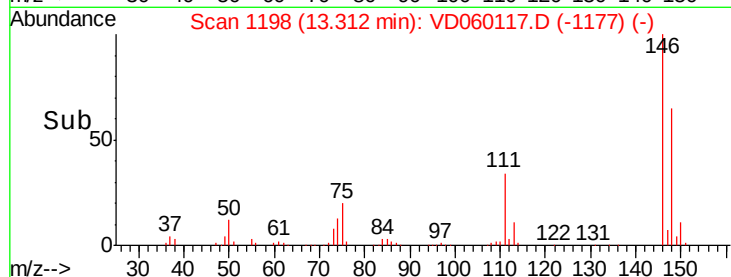
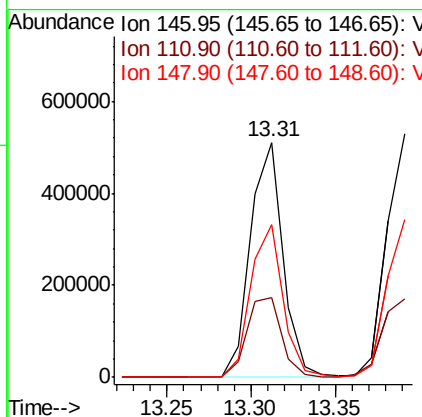
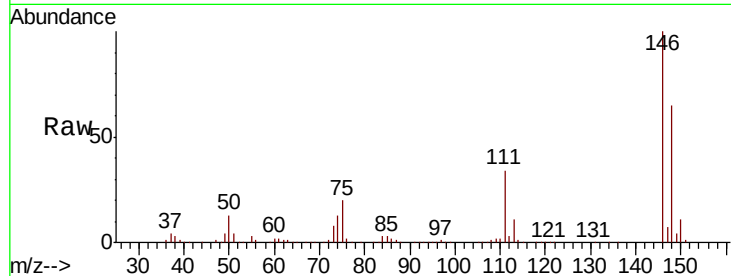
#87
 1,3-Dichlorobenzene
 Concen: 20.878 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.2	18.1	54.3
148	65.1	32.3	96.9

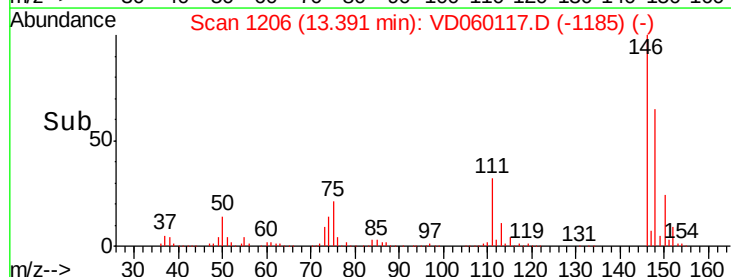
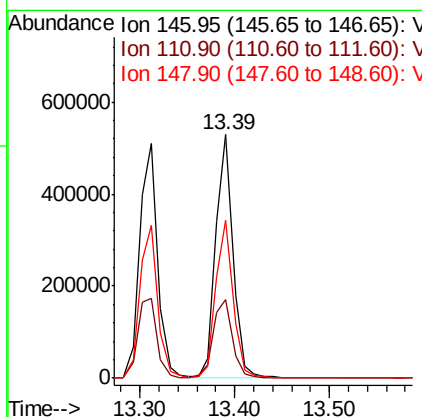
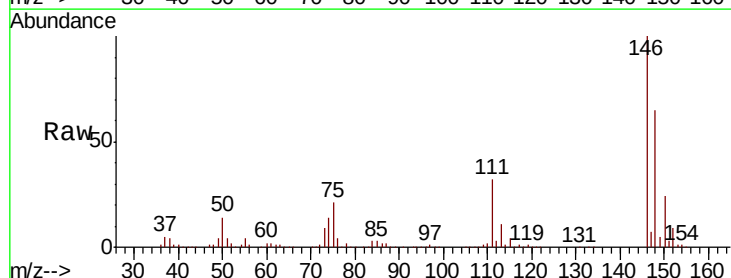
Manual Integrations
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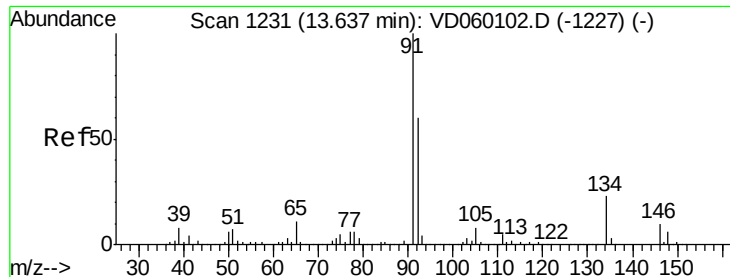
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#88
 1,4-Dichlorobenzene
 Concen: 20.336 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.4	17.8	53.3
148	64.7	32.4	97.2





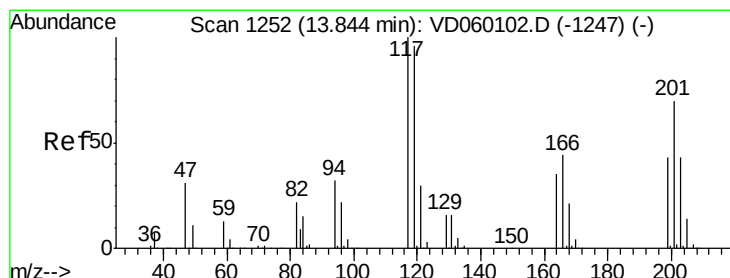
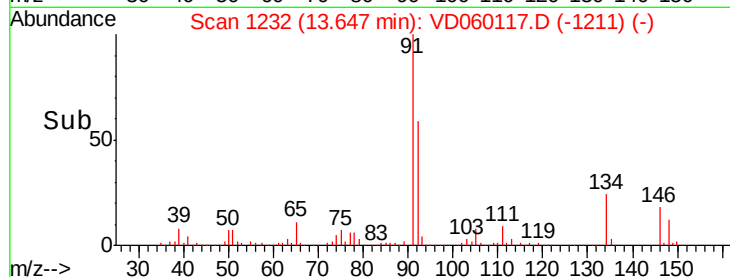
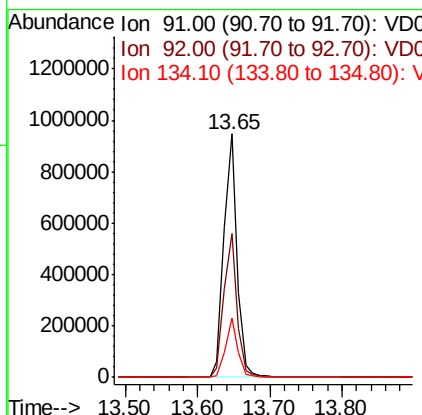
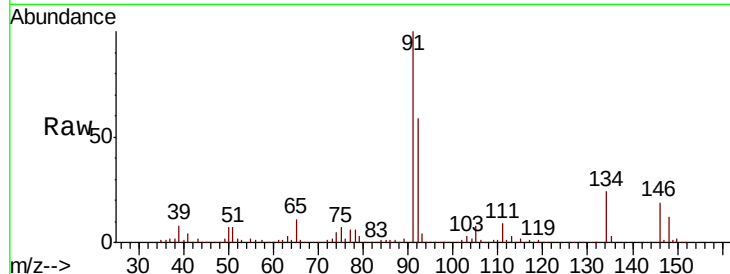
#89
n-Butylbenzene
Concen: 21.782 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 91 Resp: 1189689
Ion Ratio Lower Upper
91 100
92 59.2 30.1 90.3
134 24.2 11.6 34.7

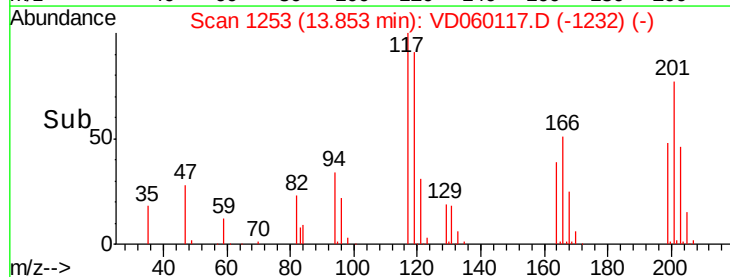
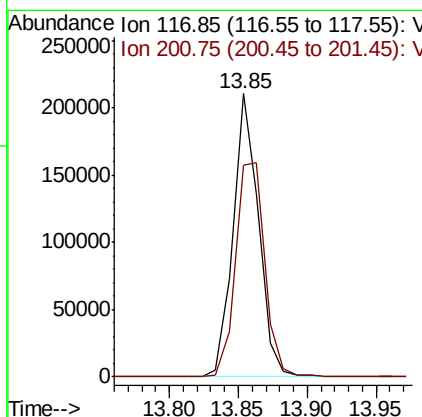
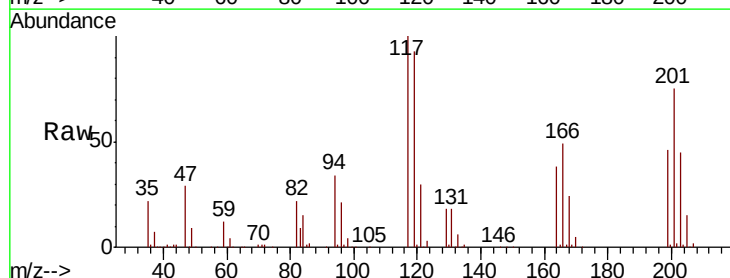
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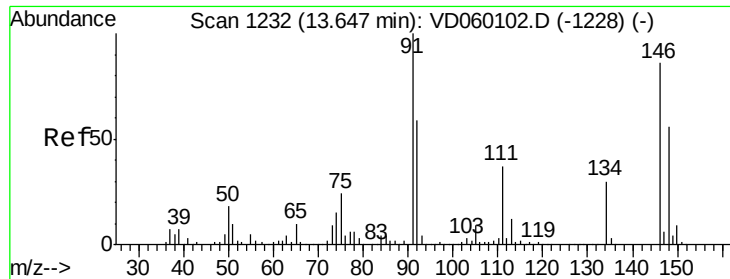
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#90
Hexachloroethane
Concen: 20.819 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion: 117 Resp: 269698
Ion Ratio Lower Upper
117 100
201 74.6 34.8 104.5





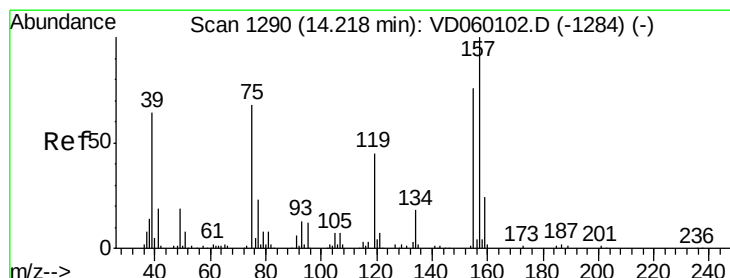
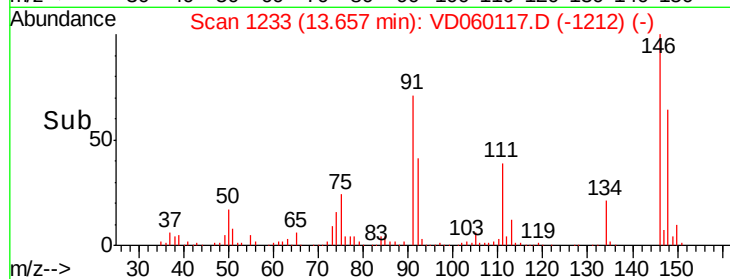
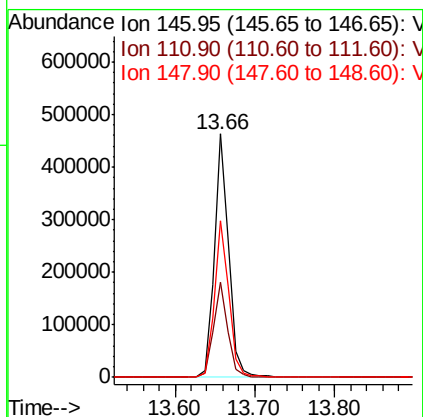
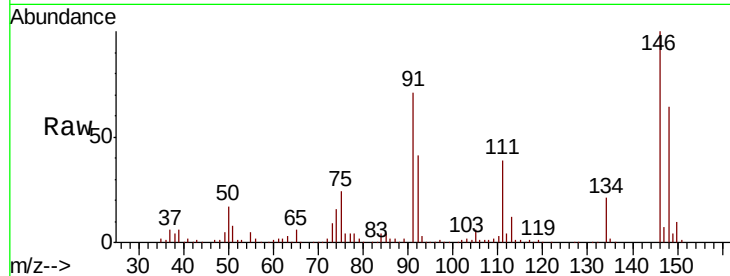
#91
 1,2-Dichlorobenzene
 Concen: 21.307 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.4	64.3
148	64.2	32.2	96.6

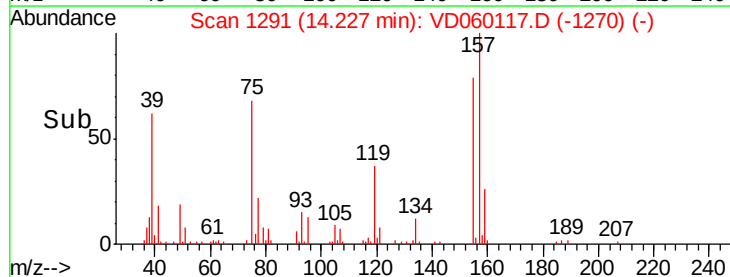
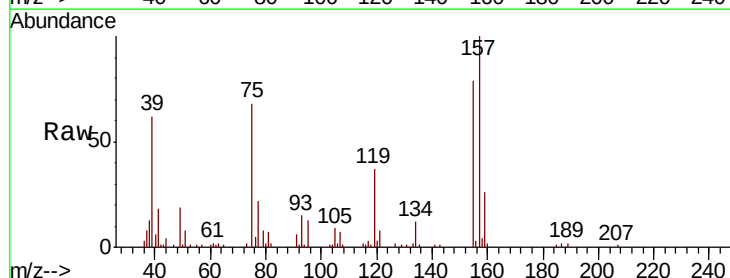
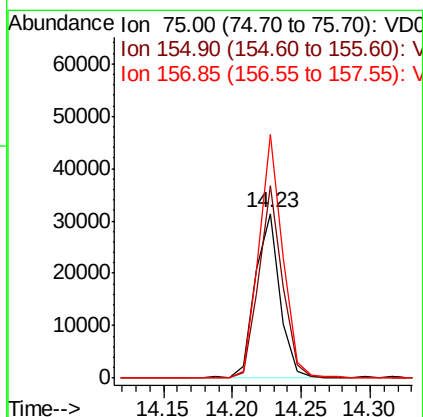
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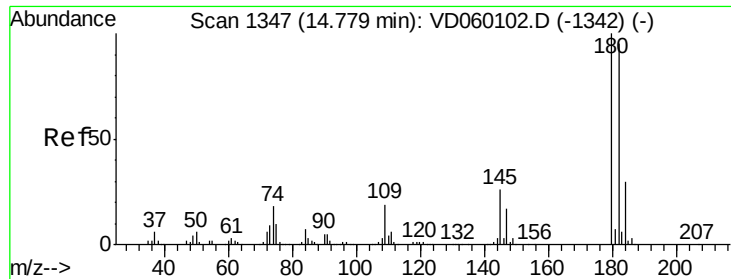
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.795 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	117.0	55.9	167.7
157	148.0	73.3	219.8





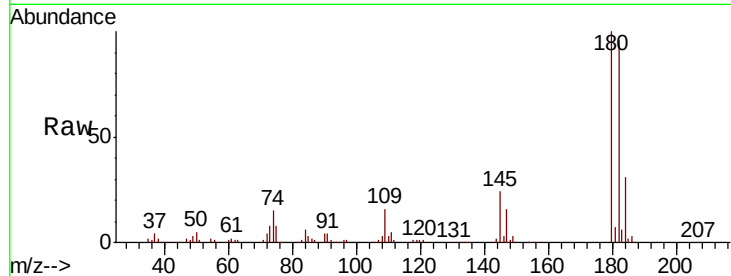
#93
 1,2,4-Trichlorobenzene
 Concen: 20.823 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	488969		
182	96.2	47.3	141.8	
145	23.9	13.0	38.9	

Manual Integrations
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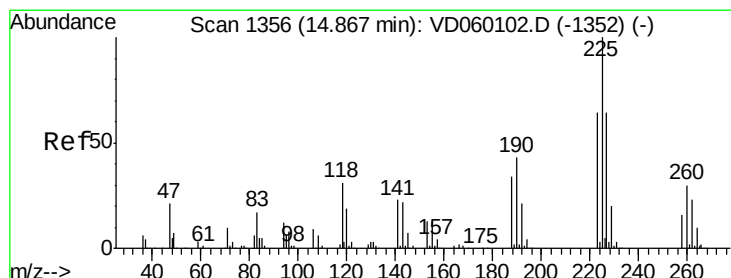
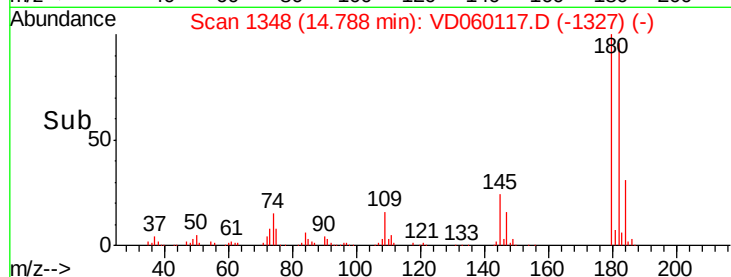
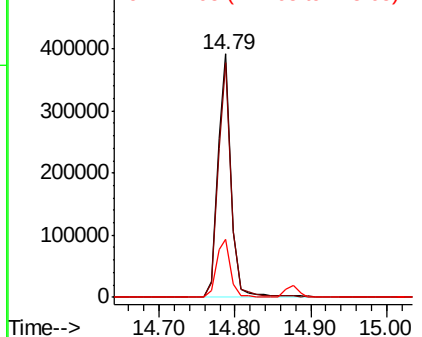


Abundance

Ion 179.85 (179.55 to 180.55): V

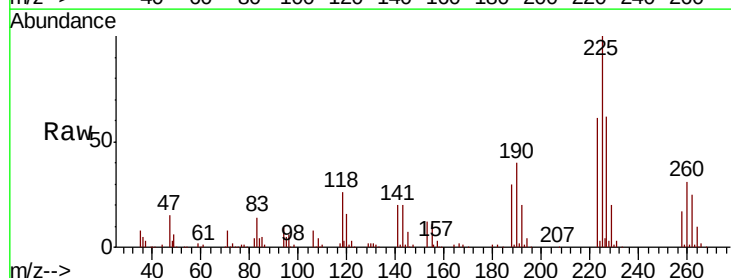
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 21.386 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060117.D
 Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	333803		
223	61.5	31.8	95.4	
227	62.1	32.0	96.0	

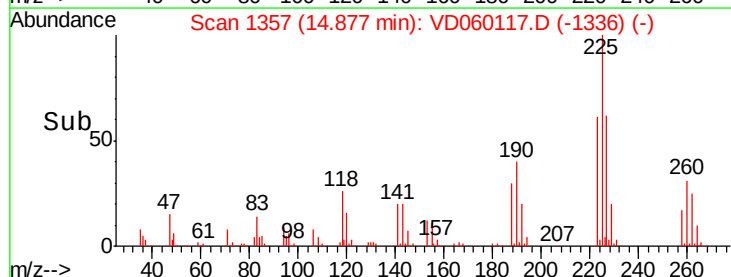
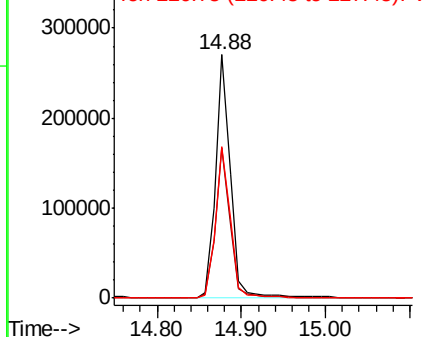


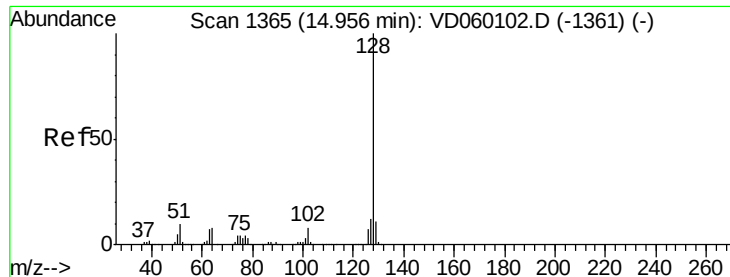
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





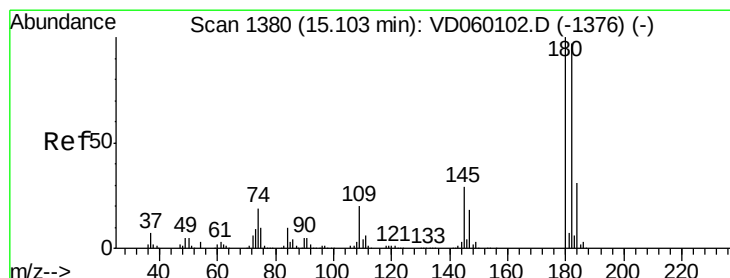
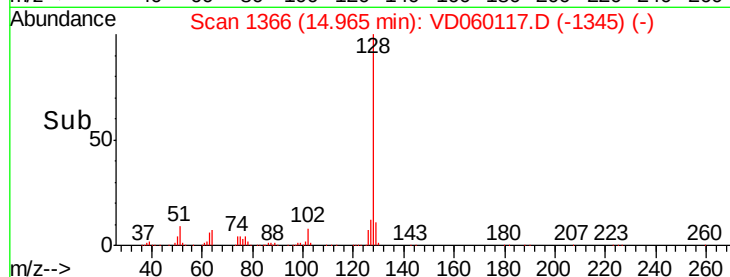
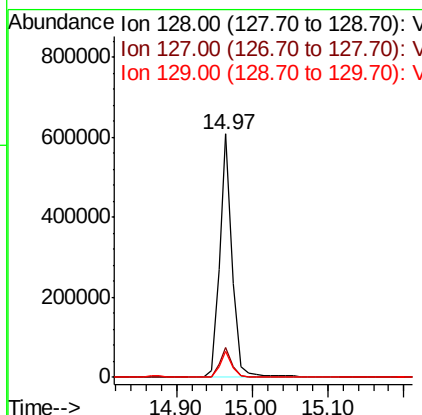
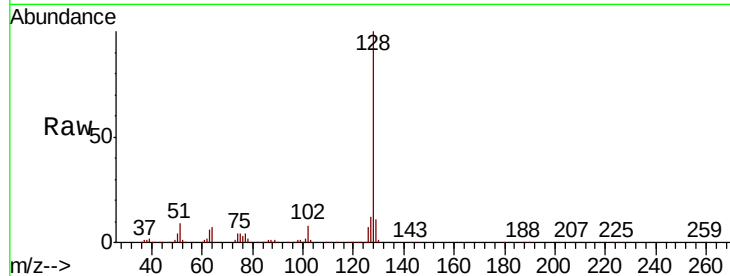
#95
Naphthalene
Concen: 20.475 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	712669		
127	12.3		9.9	14.9
129	10.8		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.445 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060117.D
Acq: 3 Oct 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	417627		
182	95.9		48.4	145.0
145	26.5		14.5	43.6

