

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060103.D
 Acq On : 1 Oct 2018 18:18
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:20 PM

Quant Time: Oct 02 05:50:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1505374	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.42	114	2072505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1662760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	896264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	843708	71.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.98%	
35) Dibromofluoromethane	6.29	113	1179153	72.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	145.36%	
50) Toluene-d8	9.43	98	3361255	74.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.16%	
62) 4-Bromofluorobenzene	12.42	95	1232467	71.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.55	85	1055179m	67.798	ug/l
3) Chloromethane	1.73	50	912790	65.534	ug/l
4) Vinyl Chloride	1.82	62	762650	68.211	ug/l
5) Bromomethane	2.10	94	72482	55.863	ug/l
6) Chloroethane	2.21	64	214032	86.096	ug/l
7) Trichlorofluoromethane	2.47	101	899488	73.123	ug/l
8) Diethyl Ether	2.79	74	185505	70.855	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.05	101	553011	71.585	ug/l
10) Methyl Iodide	3.21	142	677302	82.163	ug/l
11) Tert butyl alcohol	3.93	59	305991	328.625	ug/l
12) 1,1-Dichloroethene	3.03	96	434324	70.999	ug/l
13) Acrolein	2.95	56	162680	282.801	ug/l
14) Allyl chloride	3.49	41	920374	71.521	ug/l
15) Acrylonitrile	4.04	53	1206685	341.916	ug/l
16) Acetone	3.13	43	678842	305.129	ug/l
17) Carbon Disulfide	3.27	76	1510262	71.813	ug/l
18) Methyl Acetate	3.51	43	327152	71.407	ug/l
19) Methyl tert-butyl Ether	4.08	73	1958687	69.379	ug/l
20) Methylene Chloride	3.68	84	1151212	60.678	ug/l
21) trans-1,2-Dichloroethene	4.05	96	1148960	71.474	ug/l
22) Diisopropyl ether	4.82	45	4102104	70.207	ug/l
23) Vinyl Acetate	4.77	43	11500708	346.839	ug/l
24) 1,1-Dichloroethane	4.71	63	1890634	71.671	ug/l
25) 2-Butanone	5.59	43	1806297	300.941	ug/l
26) 2,2-Dichloropropane	5.55	77	1392329	68.199	ug/l
27) cis-1,2-Dichloroethene	5.56	96	1212693	72.175	ug/l
28) Bromochloromethane	5.89	49	879876	68.627	ug/l
29) Tetrahydrofuran	5.92	42	1087281	337.781	ug/l
30) Chloroform	6.07	83	1886718	70.823	ug/l
31) Cyclohexane	6.33	56	1659730	64.993	ug/l
32) 1,1,1-Trichloroethane	6.26	97	1570276	71.309	ug/l
36) 1,1-Dichloropropene	6.49	75	1410410	69.556	ug/l
37) Ethyl Acetate	5.67	43	959036	68.496	ug/l
38) Carbon Tetrachloride	6.46	117	1324873	70.359	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	1595815	69.364	ug/l	98
40) Benzene	6.76	78	3723476	71.954	ug/l	100
41) Methacrylonitrile	5.90	41	532564m	71.488	ug/l	
42) 1,2-Dichloroethane	6.87	62	1073576	69.172	ug/l	99
43) Isopropyl Acetate	8.32	43	1309652	70.591	ug/l #	99
44) Trichloroethene	7.71	130	1173656	73.021	ug/l	95
45) 1,2-Dichloropropane	8.08	63	986084	71.189	ug/l	99
46) Dibromomethane	8.18	93	648313	72.007	ug/l	96
47) Bromodichloromethane	8.46	83	1403228	72.096	ug/l	100
48) Methyl methacrylate	8.22	41	725700	70.164	ug/l	97
49) 1,4-Dioxane	8.20	88	146910	1427.324	ug/l	95
51) 4-Methyl-2-Pentanone	9.32	43	3881560	304.975	ug/l	99
52) Toluene	9.52	92	2370305	70.969	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	1230952	67.723	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	1544922	71.235	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	793452	68.497	ug/l	99
56) Ethyl methacrylate	10.02	69	890999	69.779	ug/l	99
57) 1,3-Dichloropropane	10.37	76	1216014	71.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	2282824	362.551	ug/l	99
59) 2-Hexanone	10.47	43	2860368	311.442	ug/l	98
60) Dibromochloromethane	10.63	129	1031739	73.823	ug/l	97
61) 1,2-Dibromoethane	10.74	107	876082	73.272	ug/l	100
64) Tetrachloroethene	10.23	164	1073311	74.112	ug/l	99
65) Chlorobenzene	11.29	112	2610284	73.827	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	852404	71.659	ug/l	99
67) Ethyl Benzene	11.41	91	3901746	68.728	ug/l	98
68) m/p-Xylenes	11.55	106	3053375	146.030	ug/l	99
69) o-Xylene	11.92	106	1570610	75.321	ug/l	100
70) Styrene	11.94	104	2610250	74.549	ug/l	100
71) Bromoform	12.10	173	768961	75.527	ug/l	100
73) Isopropylbenzene	12.27	105	4168179	71.570	ug/l	100
74) N-amyl acetate	12.12	43	1576545	68.779	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	919098	69.625	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	949711	70.503	ug/l	99
77) Bromobenzene	12.53	156	1209101	71.654	ug/l	83
78) n-propylbenzene	12.63	91	4929847	67.522	ug/l	93
79) 2-Chlorotoluene	12.69	91	2831325	68.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	3131457	70.186	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	281259	69.291	ug/l	99
82) 4-Chlorotoluene	12.80	91	3115494	68.881	ug/l	100
83) tert-Butylbenzene	13.04	119	3691459	71.265	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	3296855	69.031	ug/l	99
85) sec-Butylbenzene	13.21	105	4231018	69.219	ug/l	99
86) p-Isopropyltoluene	13.33	119	3500963	70.768	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	2098500	71.653	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	2108103	71.021	ug/l	99
89) n-Butylbenzene	13.64	91	3319534	68.883	ug/l	99
90) Hexachloroethane	13.85	117	909397	74.337	ug/l	59
91) 1,2-Dichlorobenzene	13.66	146	1710613	70.770	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	130841	64.888	ug/l	96

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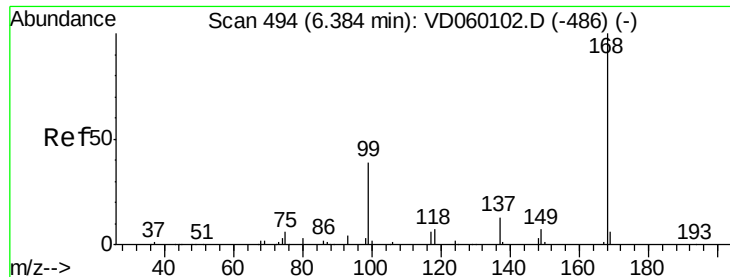
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1529398	73.274	ug/l	99
94) Hexachlorobutadiene	14.87	225	1022348	73.929	ug/l	100
95) Naphthalene	14.96	128	2331237	72.428	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	1354246	74.082	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 1505374

Ion Ratio Lower Upper

168 100

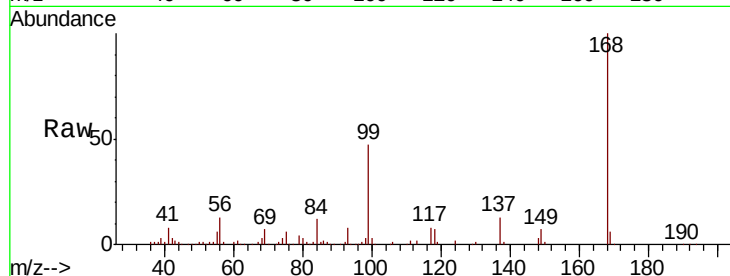
99 46.6 35.4 53.0

Manual Integrations

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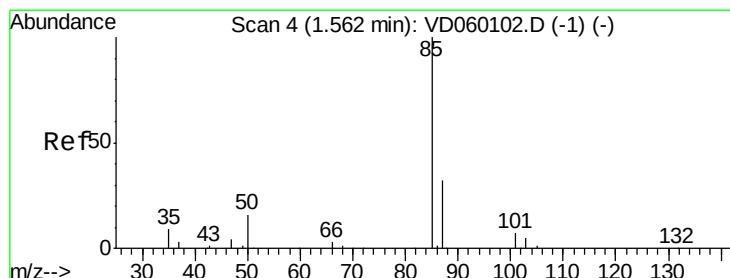
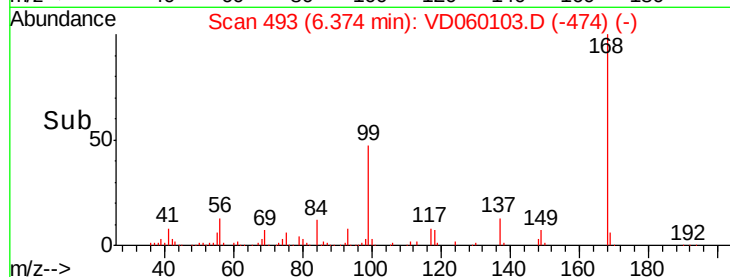
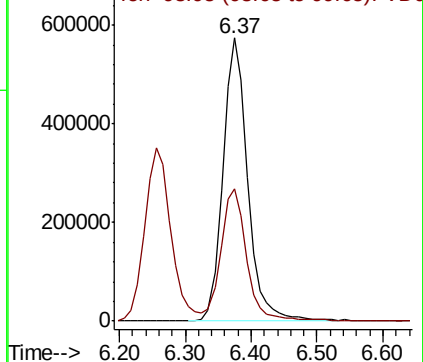
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 67.798 ug/l m

RT: 1.55 min Scan# 3

Delta R.T. -0.01 min

Lab File: VD060103.D

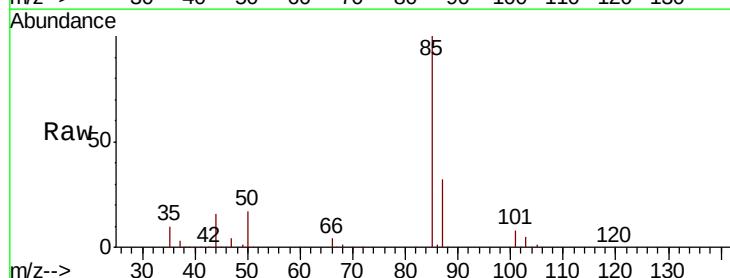
Acq: 1 Oct 2018 18:18

Tgt Ion: 85 Resp: 1055179

Ion Ratio Lower Upper

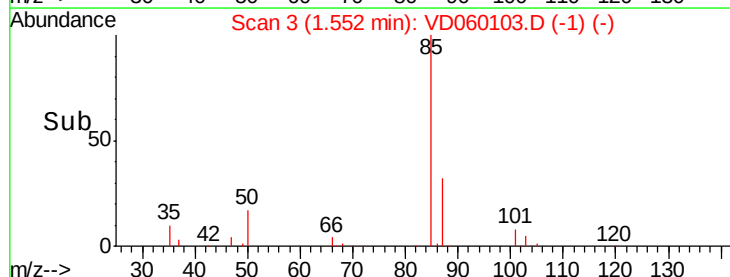
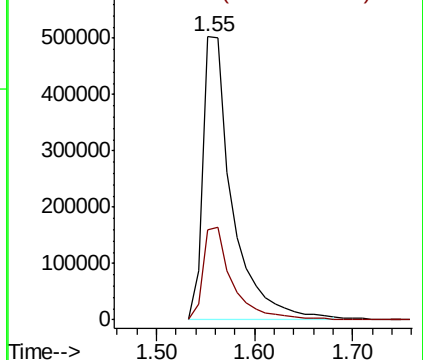
85 100

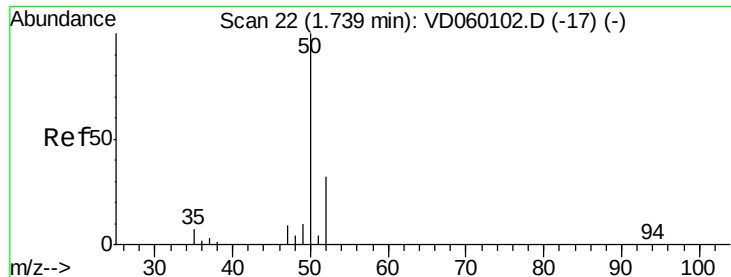
87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 65.534 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 912790

Ion Ratio Lower Upper

50 100

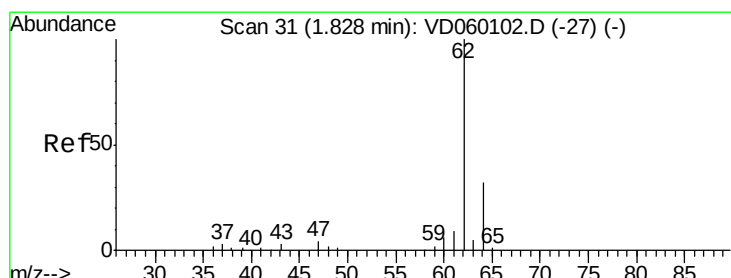
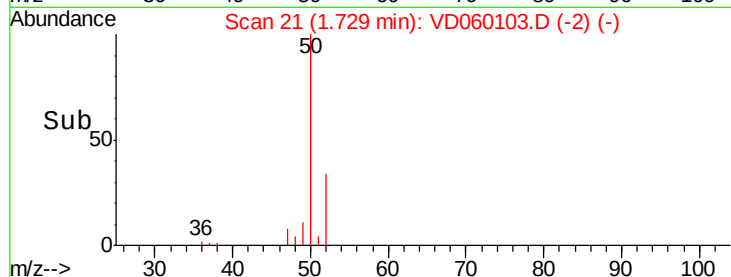
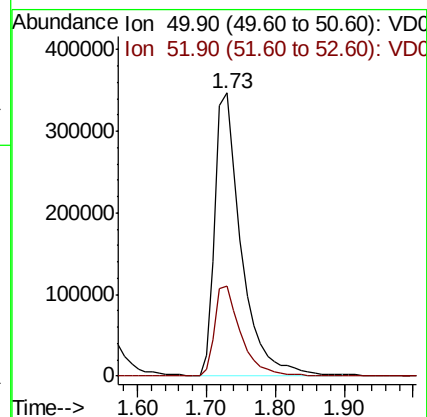
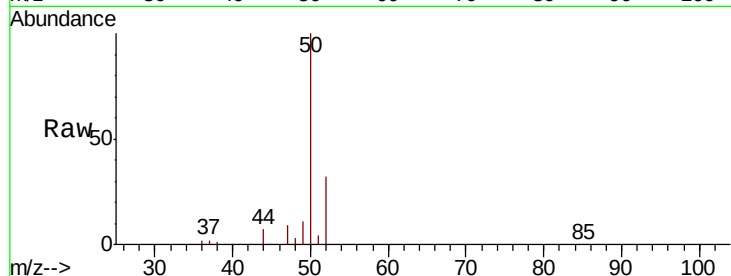
52 32.0 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 68.211 ug/l

RT: 1.82 min Scan# 30

Delta R.T. -0.01 min

Lab File: VD060103.D

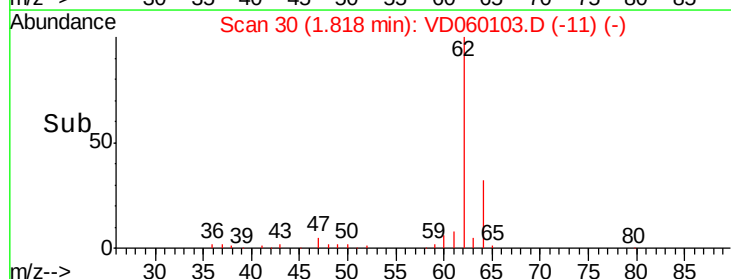
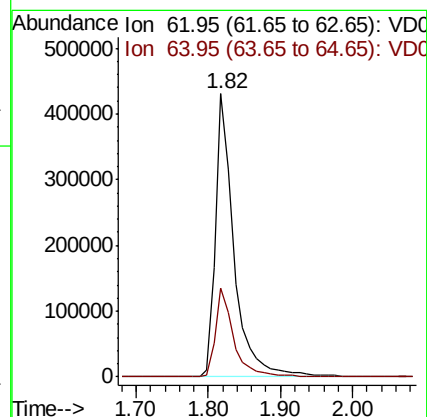
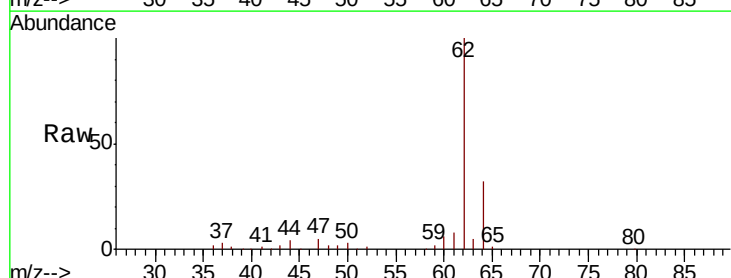
Acq: 1 Oct 2018 18:18

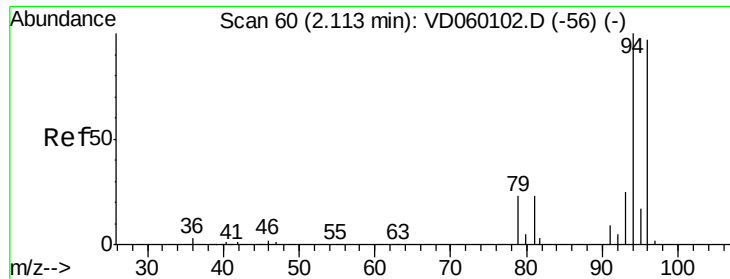
Tgt Ion: 62 Resp: 762650

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 55.863 ug/l

RT: 2.10 min Scan# 59

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 72482

Ion Ratio Lower Upper

94 100

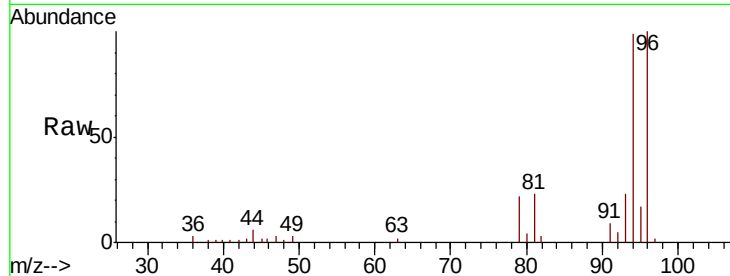
96 100.9 77.4 116.2

Manual Integrations

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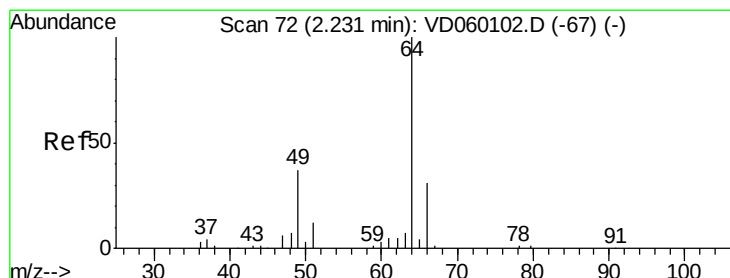
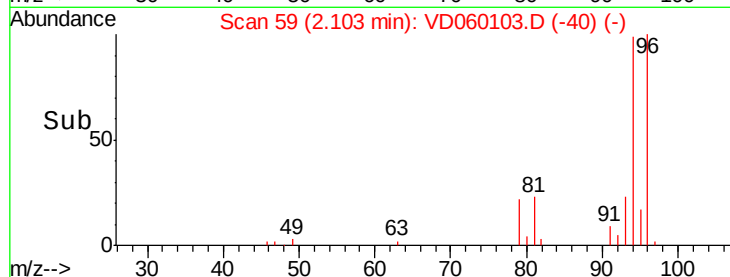
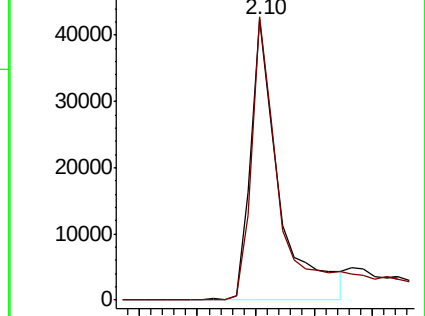
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 86.096 ug/l

RT: 2.21 min Scan# 70

Delta R.T. -0.02 min

Lab File: VD060103.D

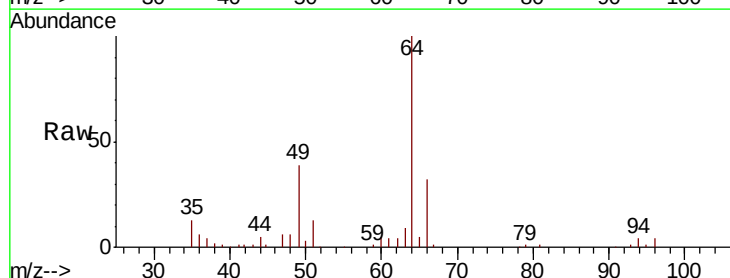
Acq: 1 Oct 2018 18:18

Tgt Ion: 64 Resp: 214032

Ion Ratio Lower Upper

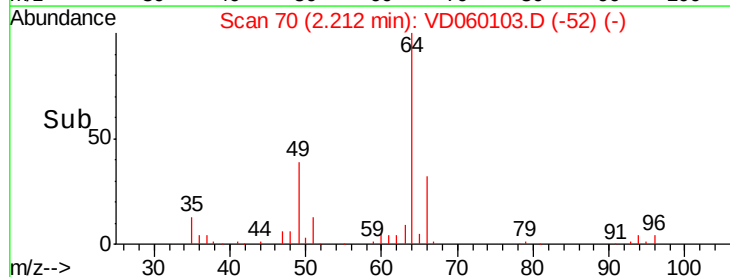
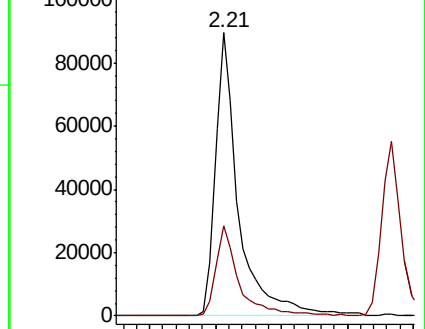
64 100

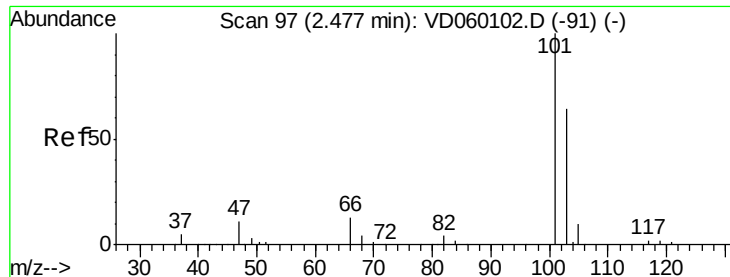
66 31.6 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 73.123 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.01 min

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Tot Ion:101 Resp: 899488

Ion Ratio Lower Upper

101 100

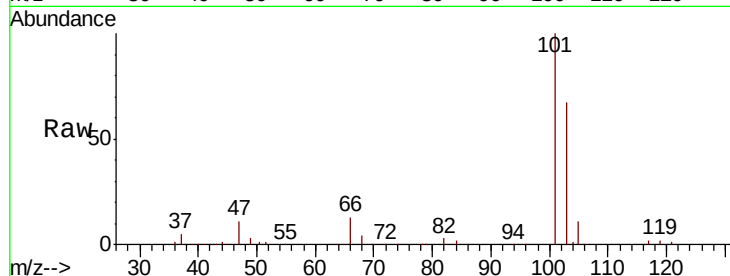
103 66.7 51.5 77.3

Manual Integrations

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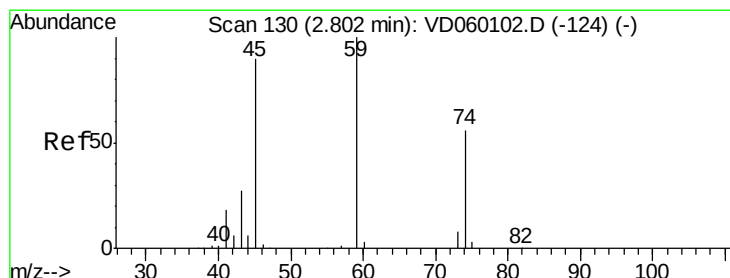
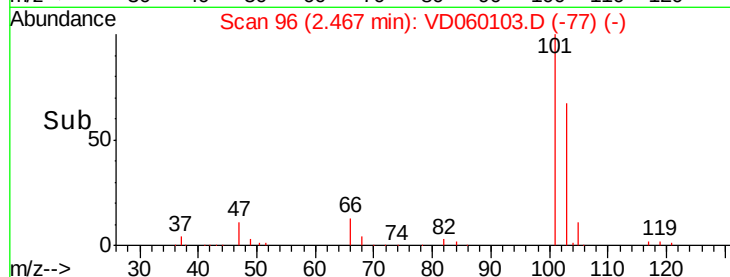
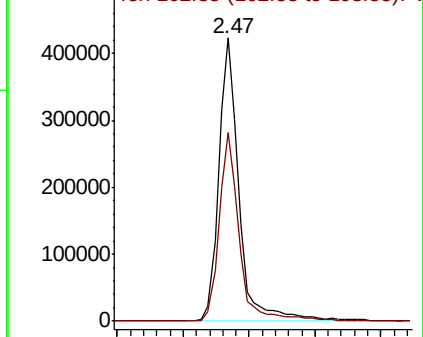
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 70.855 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.01 min

Lab File: VD060103.D

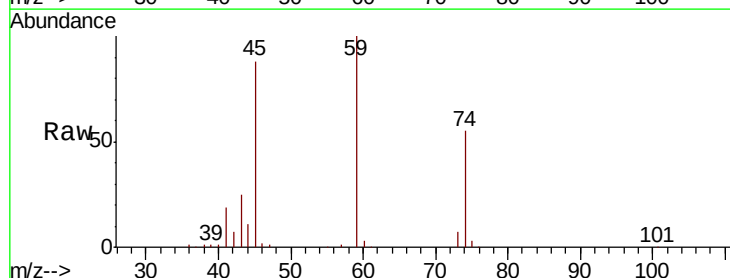
Acq: 1 Oct 2018 18:18

Tgt Ion: 74 Resp: 185505

Ion Ratio Lower Upper

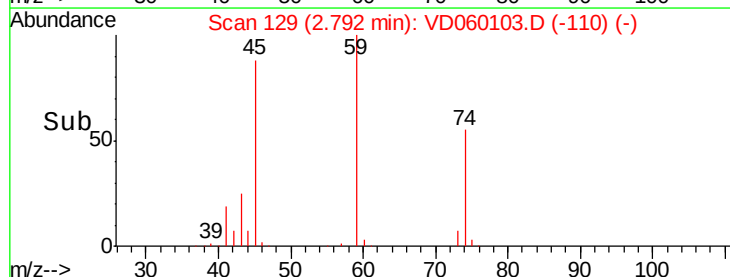
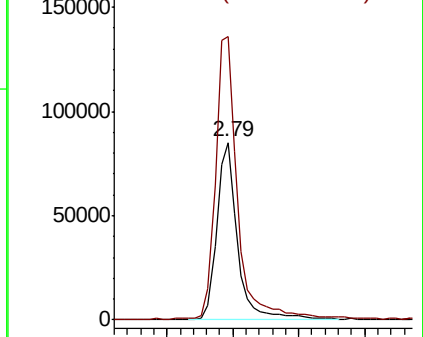
74 100

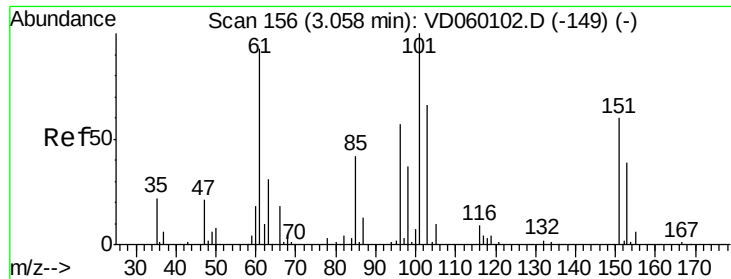
45 159.7 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 71.585 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

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MSVOA_D

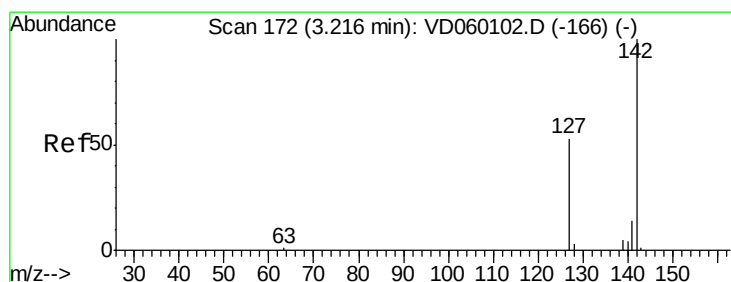
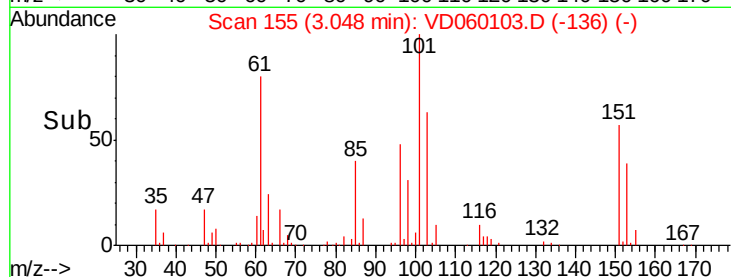
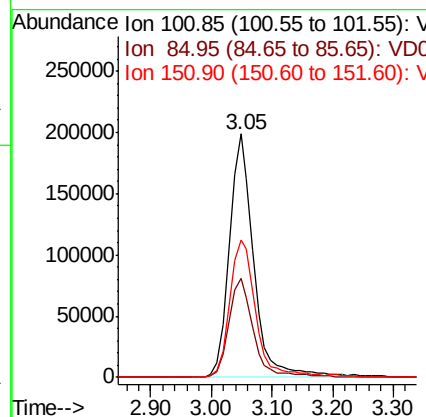
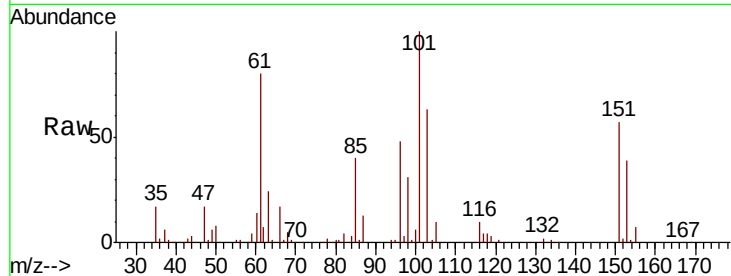
ClientSampled :

VSTDIC075

Tot Ion:	101	Resp:	553011
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.4	50.0
151	56.6	48.0	72.0

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#10

Methyl Iodide

Concen: 82.163 ug/l

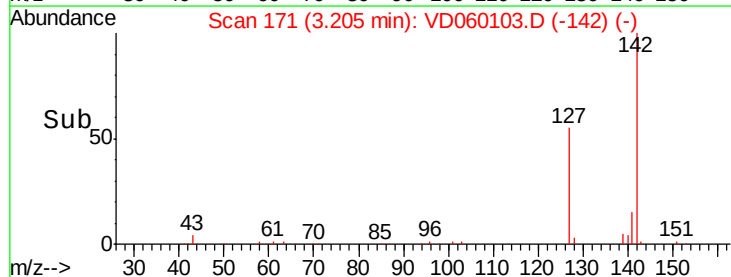
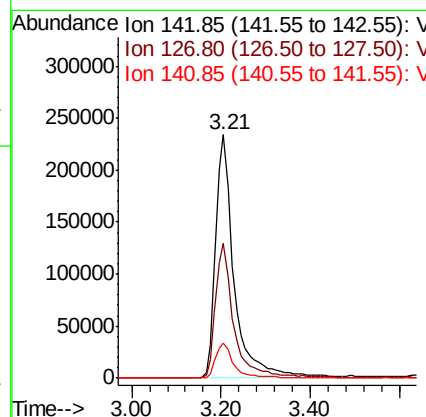
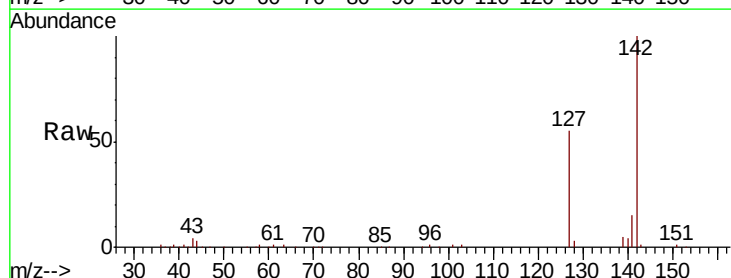
RT: 3.21 min Scan# 171

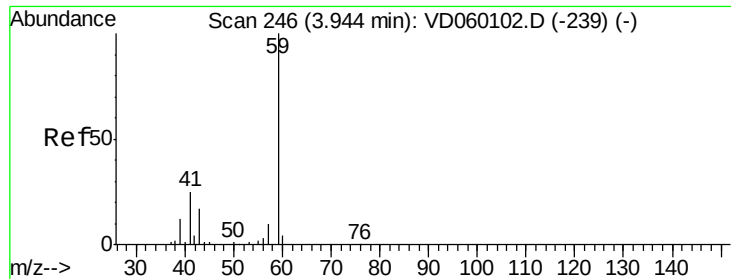
Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Tgt Ion:	142	Resp:	677302
Ion Ratio	Lower	Upper	
142	100		
127	55.1	42.0	63.0
141	14.5	11.4	17.0





#11

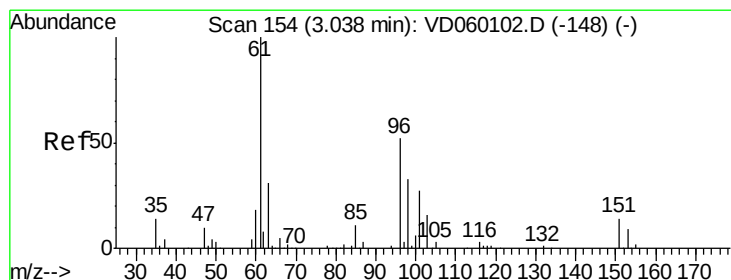
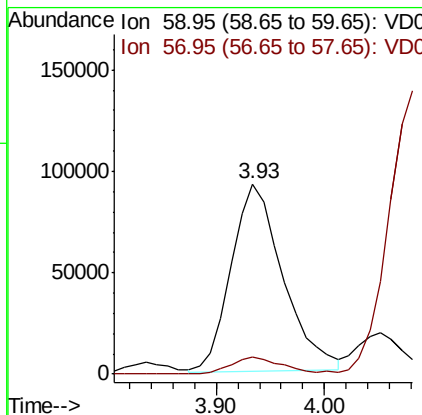
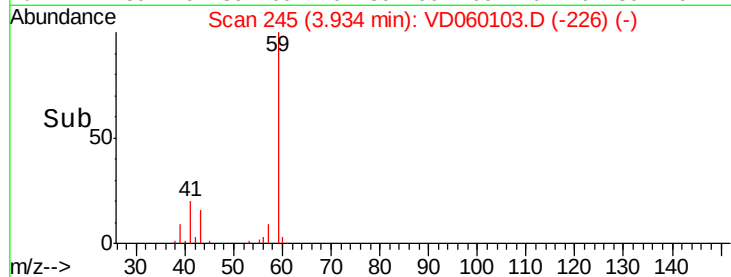
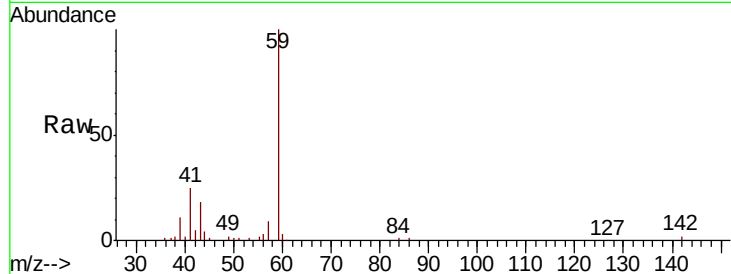
Tert butyl alcohol
Concen: 328.625 ug/l
RT: 3.93 min Scan# 245
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 305991
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6

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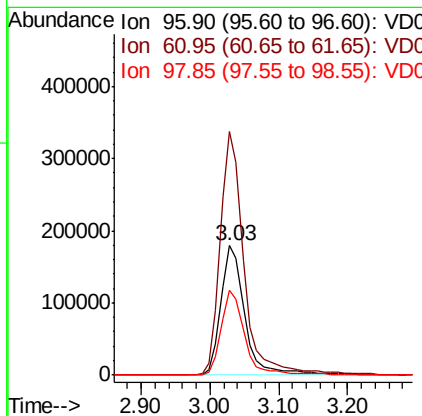
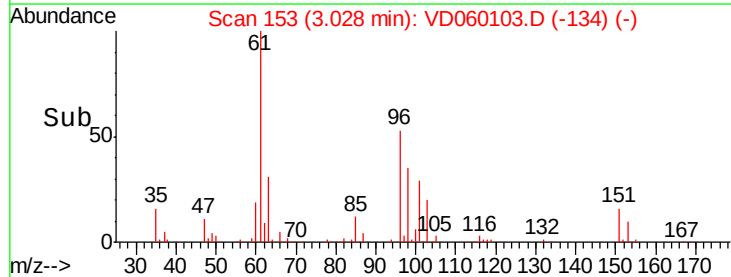
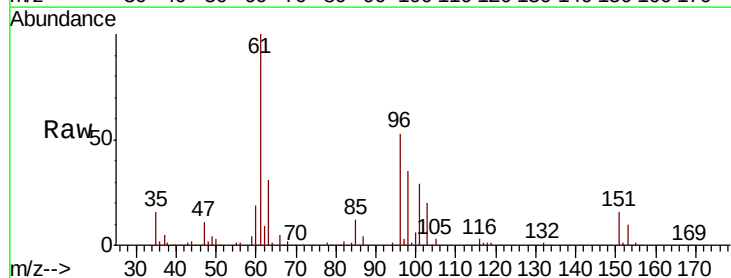
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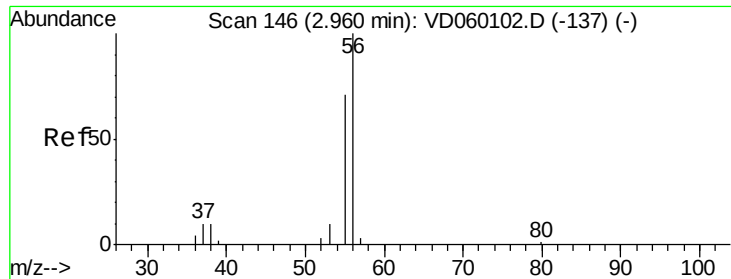


#12

1,1-Dichloroethene
Concen: 70.999 ug/l
RT: 3.03 min Scan# 153
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion: 96 Resp: 434324
Ion Ratio Lower Upper
96 100
61 187.8 153.0 229.4
98 65.9 51.1 76.7





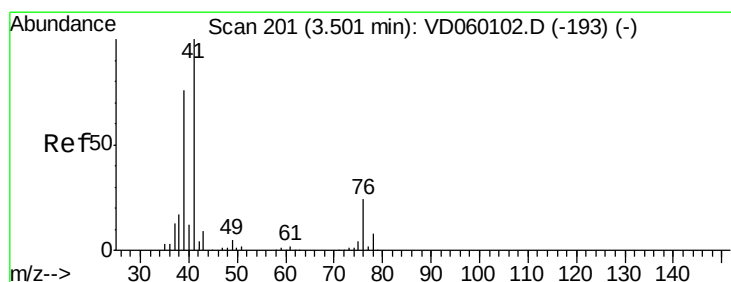
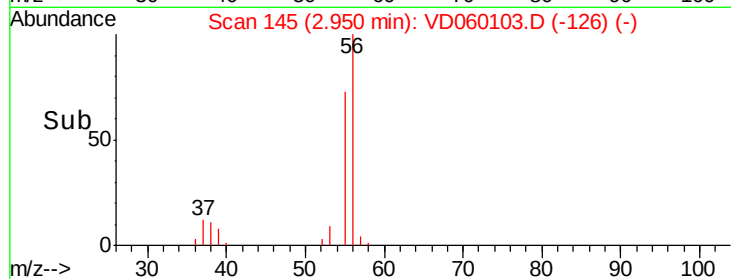
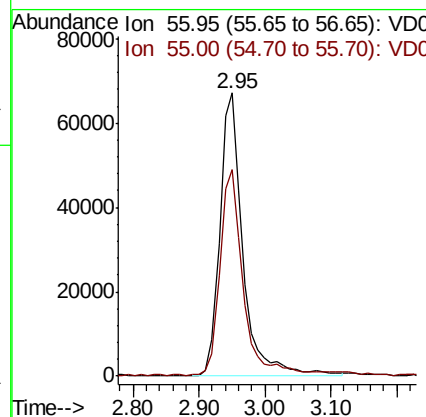
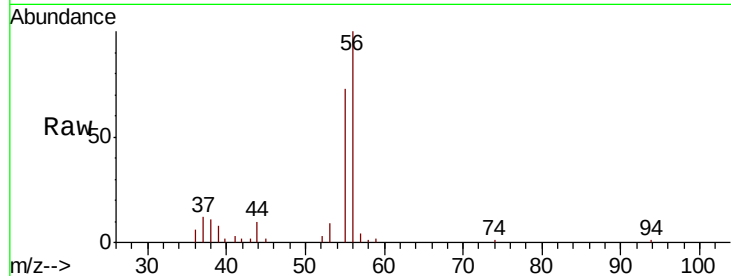
#13
Acrolein
Concen: 282.801 ug/l
RT: 2.95 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.4	86.2

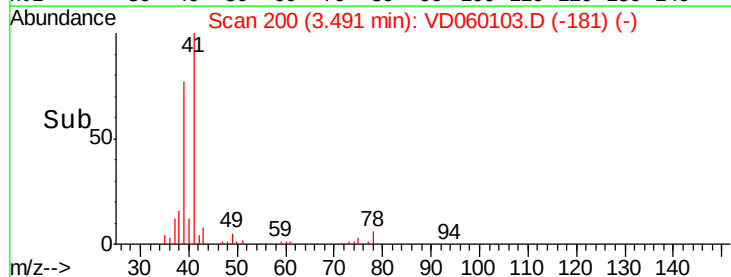
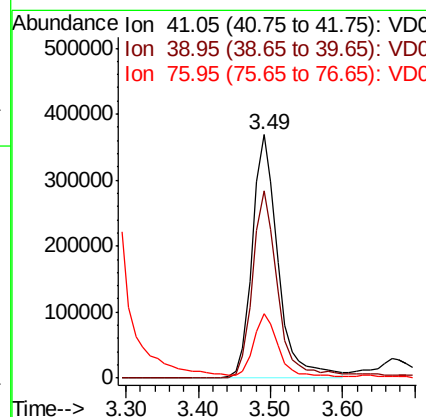
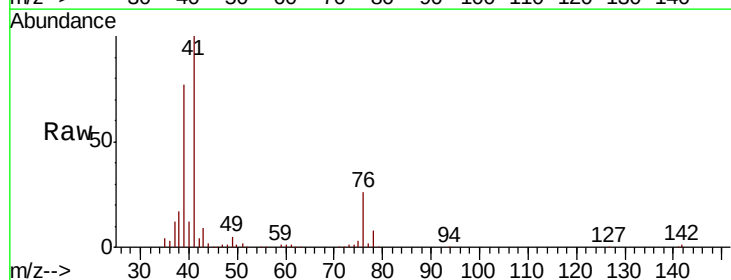
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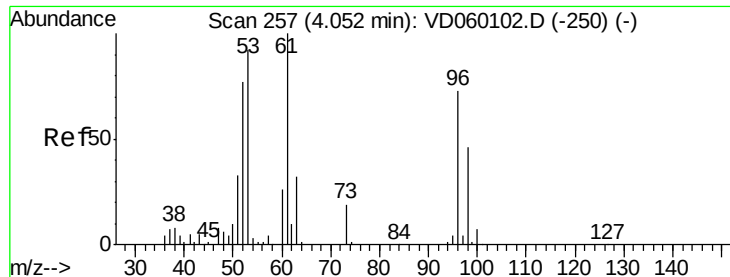
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#14
Allyl chloride
Concen: 71.521 ug/l
RT: 3.49 min Scan# 200
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.8	60.6	90.8
76	26.2	21.3	31.9





#15

Acrylonitrile

Concen: 341.916 ug/l

RT: 4.04 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 53 Resp: 1206685

Ion Ratio Lower Upper

53 100

52 82.8 67.5 101.3

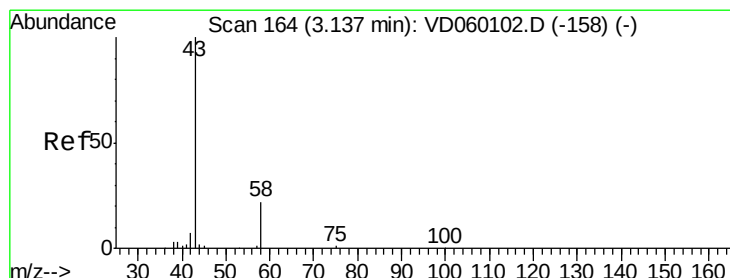
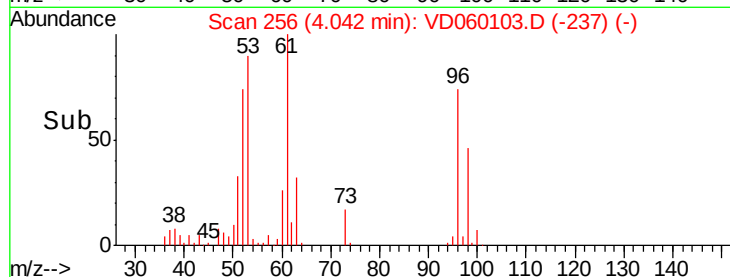
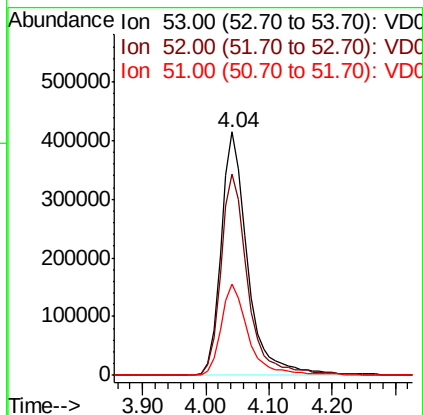
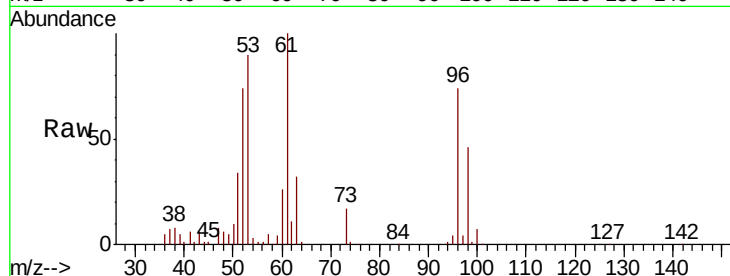
51 37.5 29.3 43.9

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#16

Acetone

Concen: 305.129 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060103.D

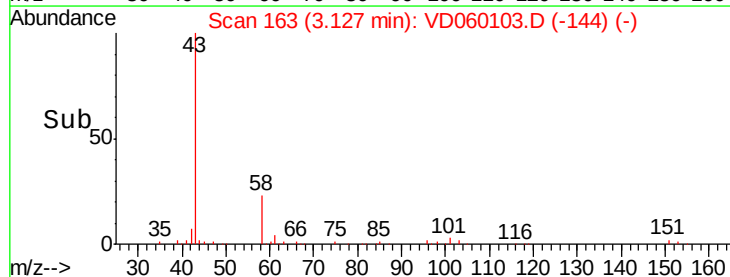
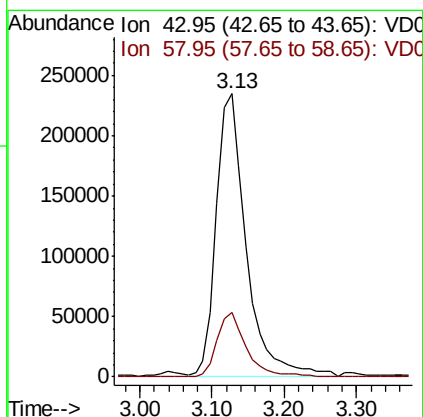
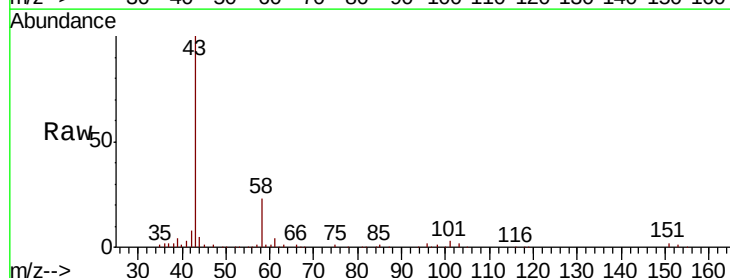
Acq: 1 Oct 2018 18:18

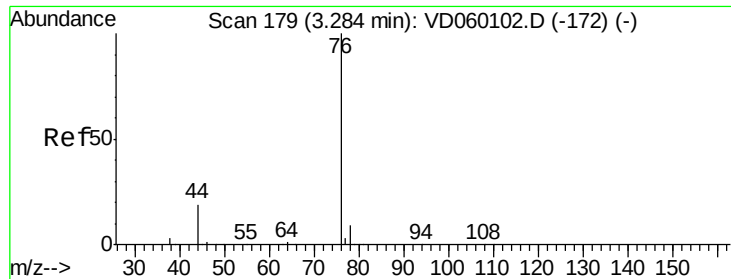
Tgt Ion: 43 Resp: 678842

Ion Ratio Lower Upper

43 100

58 22.7 17.7 26.5





#17

Carbon Disulfide

Concen: 71.813 ug/l

RT: 3.27 min Scan# 178

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Tot Ion: 76 Resp: 1510262

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

Instrument :

MSVOA_D

ClientSampleId :

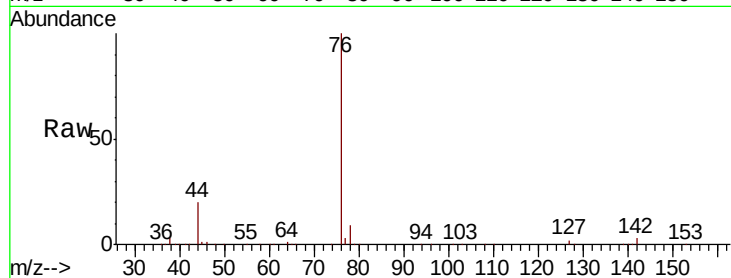
VSTDIC075

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.27

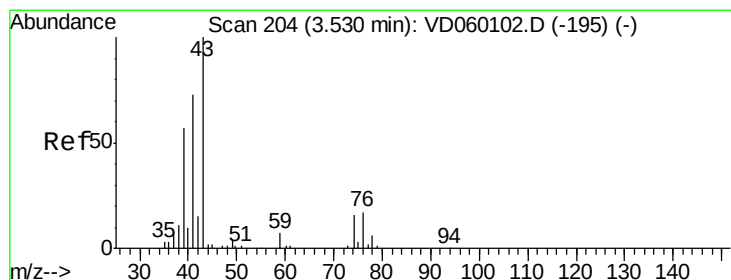
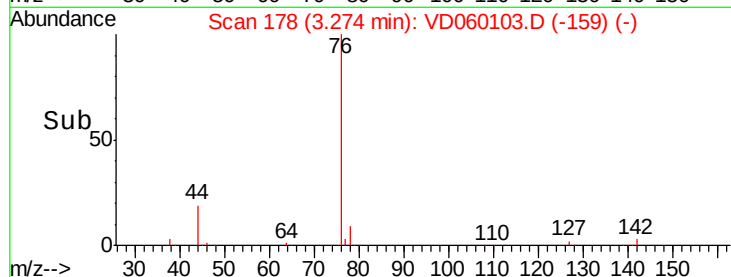
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 71.407 ug/l

RT: 3.51 min Scan# 202

Delta R.T. -0.02 min

Lab File: VD060103.D

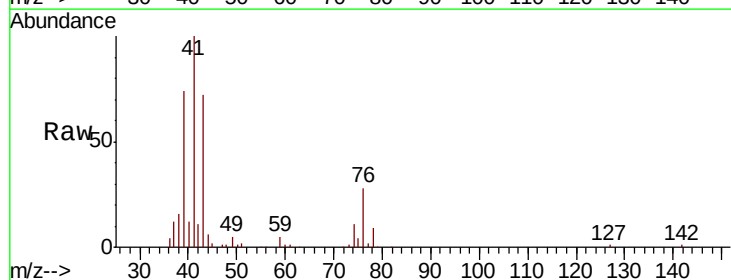
Acq: 1 Oct 2018 18:18

Tgt Ion: 43 Resp: 327152

Ion Ratio Lower Upper

43 100

74 14.6 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

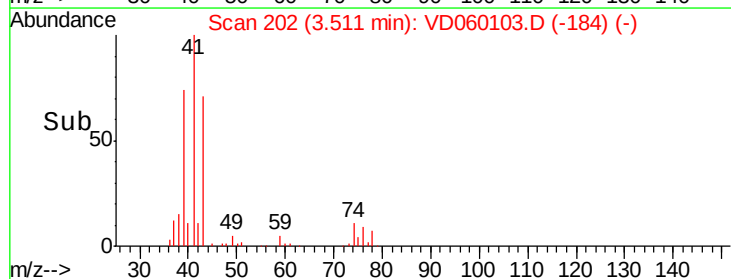
150000

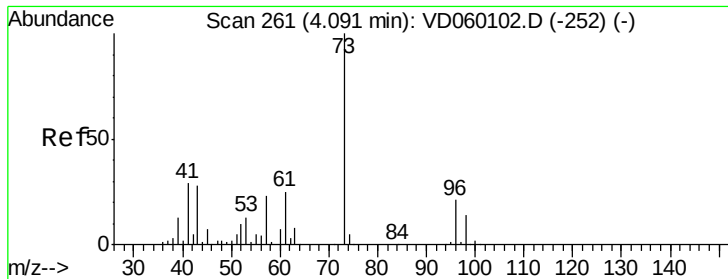
100000

50000

0

Time-->





#19

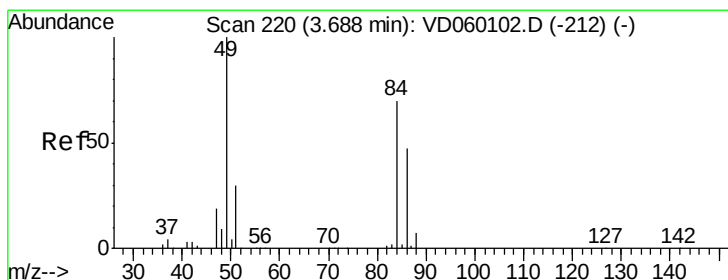
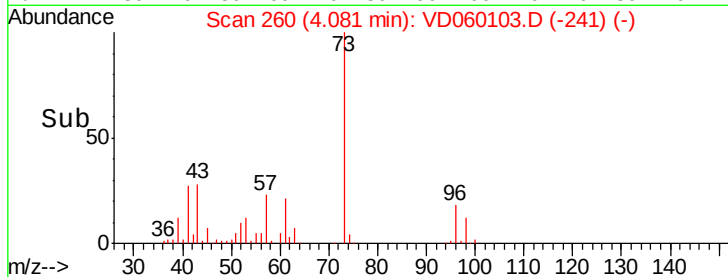
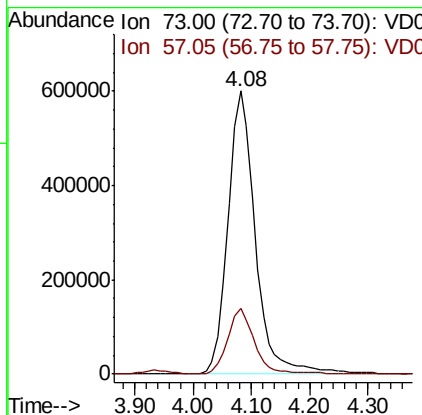
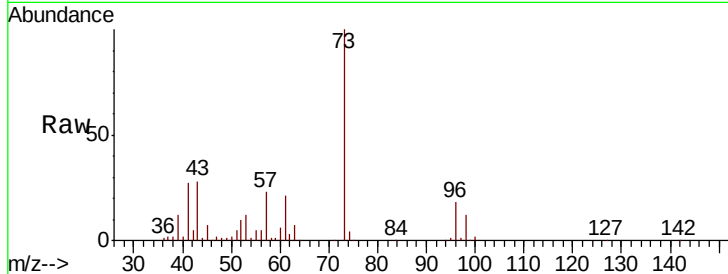
Methyl tert-butyl Ether
 Concen: 69.379 ug/l
 RT: 4.08 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 73 Resp: 1958687
 Ion Ratio Lower Upper
 73 100
 57 23.2 18.7 28.1

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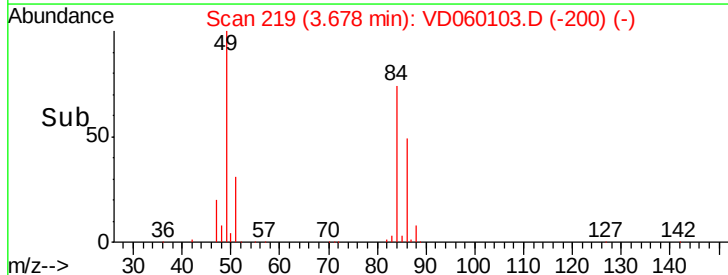
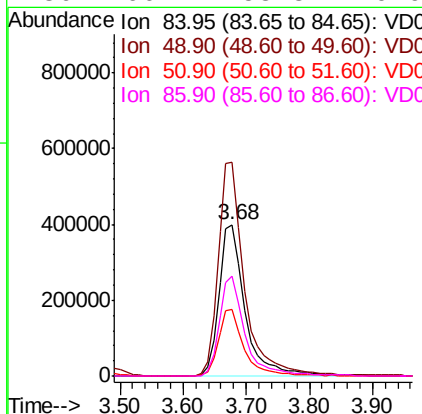
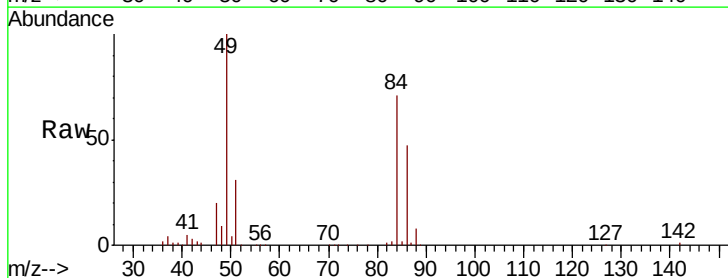
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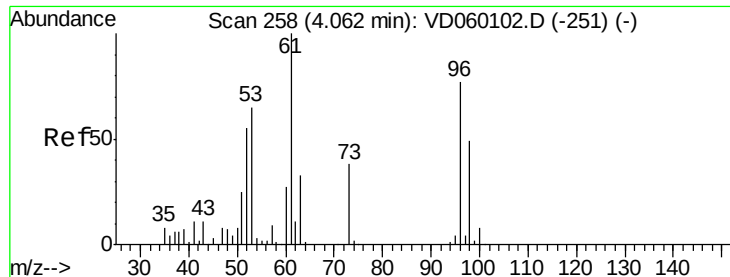


#20

Methylene Chloride
 Concen: 60.678 ug/l
 RT: 3.68 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion: 84 Resp: 1151212
 Ion Ratio Lower Upper
 84 100
 49 141.1 114.6 172.0
 51 44.0 33.8 50.8
 86 66.1 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 71.474 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 1148960

Ion Ratio Lower Upper

96 100

61 127.3 103.3 154.9

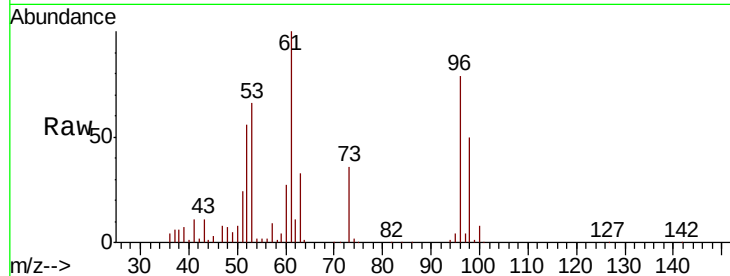
98 63.4 50.4 75.6

Manual Integrations

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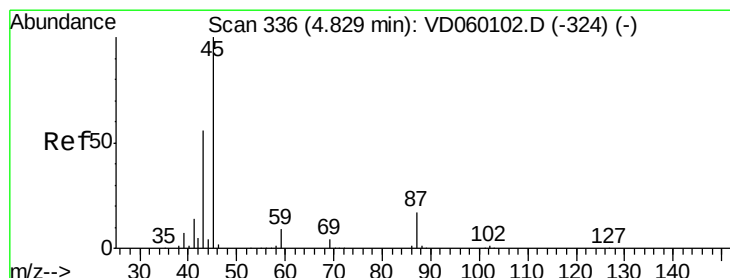
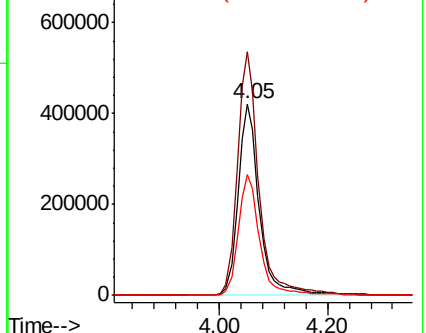
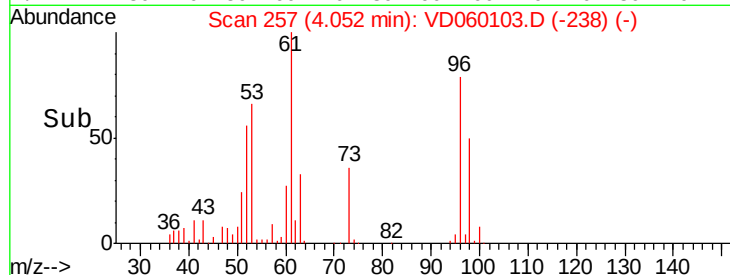
10/2/2018 12:31:20 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 70.207 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Tgt Ion: 45 Resp: 4102104

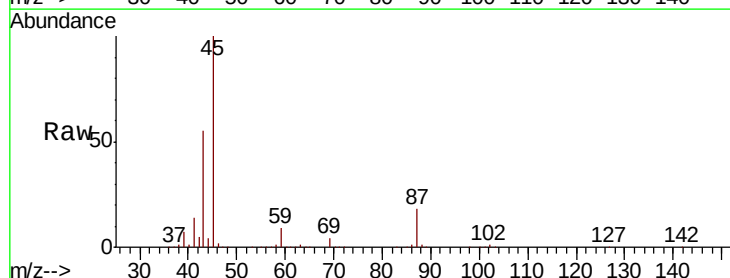
Ion Ratio Lower Upper

45 100

43 54.8 44.8 67.2

87 17.8 13.9 20.9

59 9.0 7.1 10.7

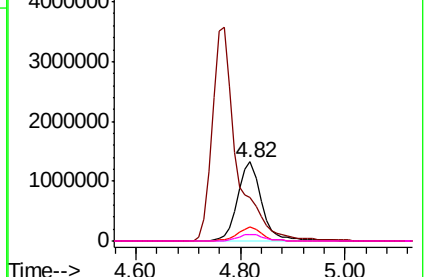
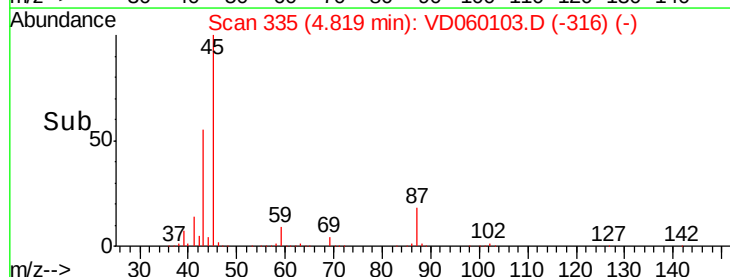


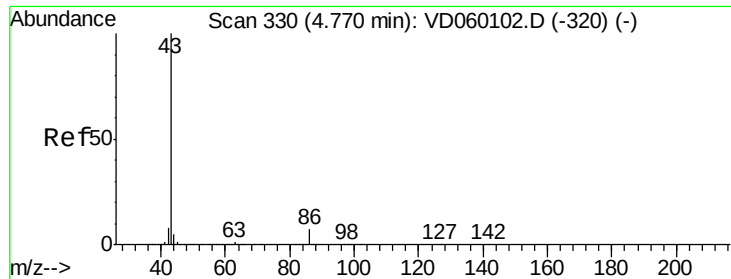
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 346.839 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 11500708

Ion Ratio Lower Upper

43 100

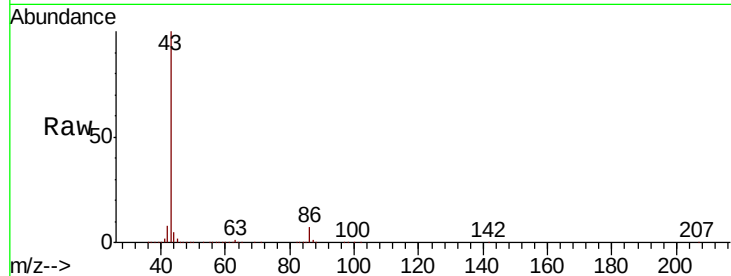
86 7.2 5.6 8.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.77

4000000

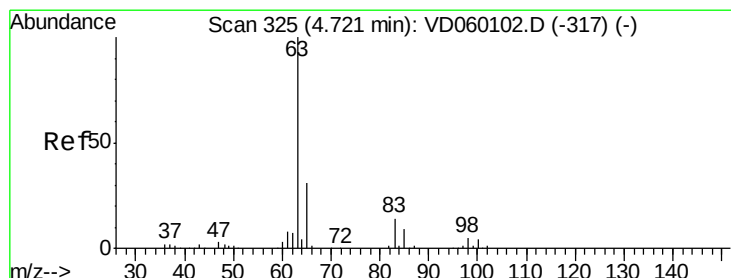
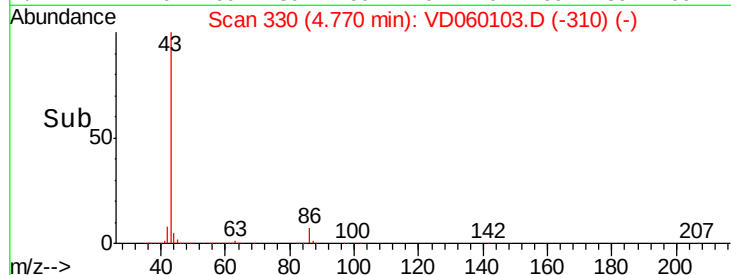
3000000

2000000

1000000

0

Time-->



#24

1,1-Dichloroethane

Concen: 71.671 ug/l

RT: 4.71 min Scan# 324

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

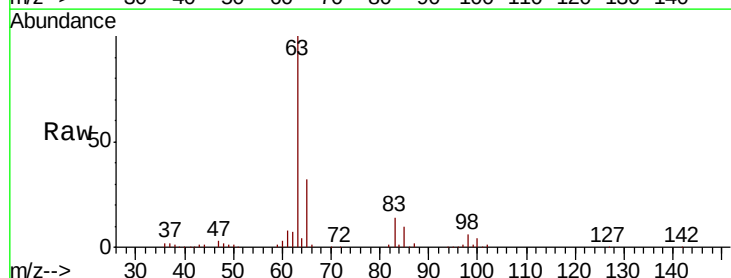
Tgt Ion: 63 Resp: 1890634

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.6 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.71

800000

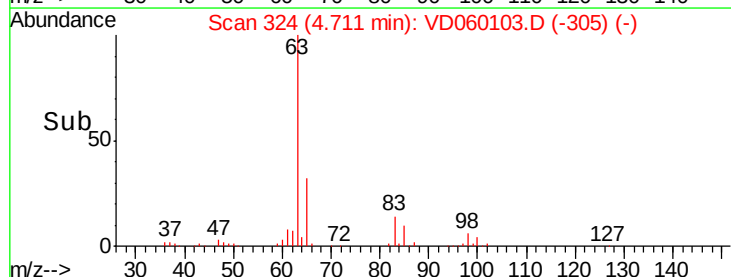
600000

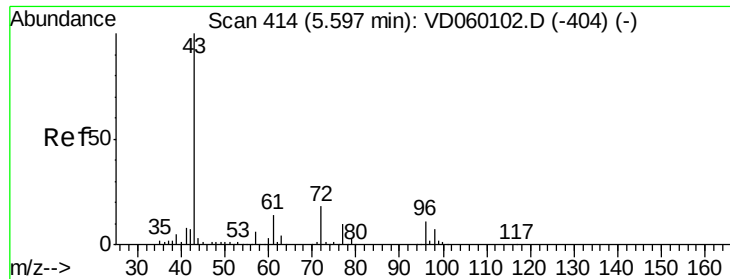
400000

200000

0

Time-->





#25

2-Butanone

Concen: 300.941 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1806297

Ion Ratio Lower Upper

43 100

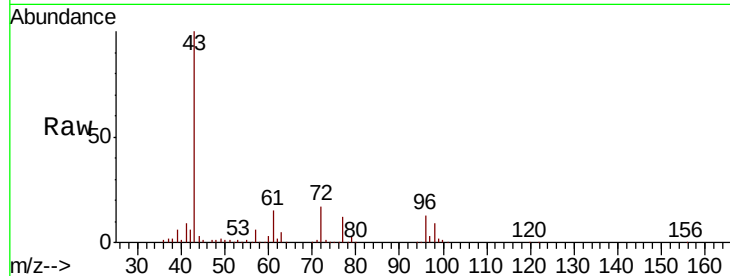
72 17.5 14.5 21.7

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

800000

600000

400000

200000

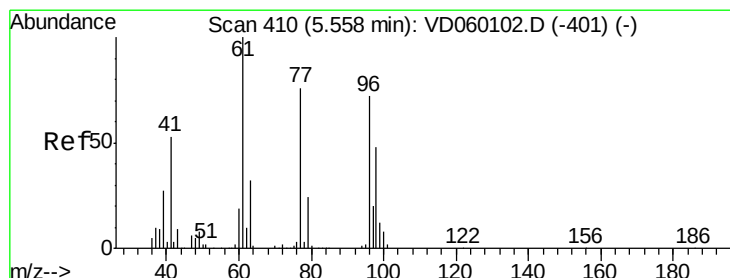
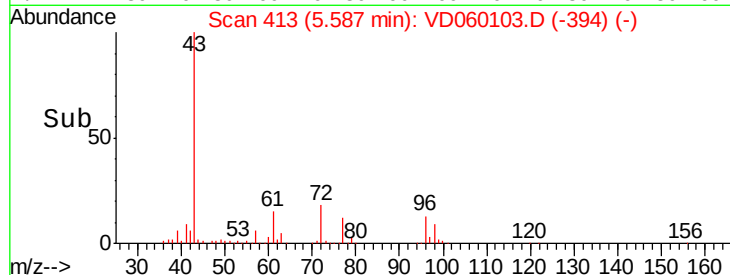
0

5.59

5.50

5.60

Time-->



#26

2,2-Dichloropropane

Concen: 68.199 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060103.D

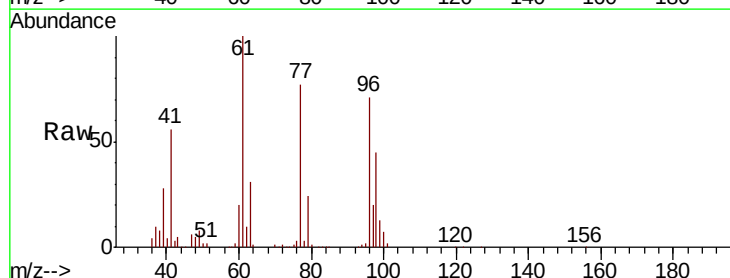
Acq: 1 Oct 2018 18:18

Tgt Ion: 77 Resp: 1392329

Ion Ratio Lower Upper

77 100

97 26.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

500000

400000

300000

200000

100000

0

5.55

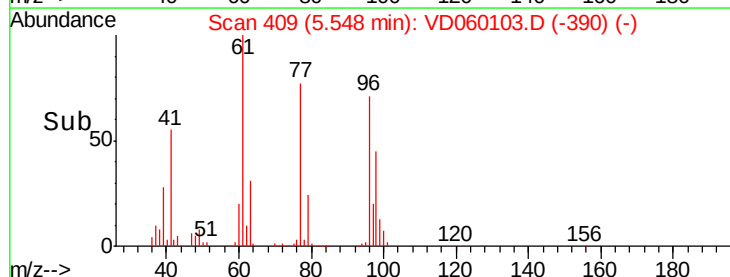
5.40

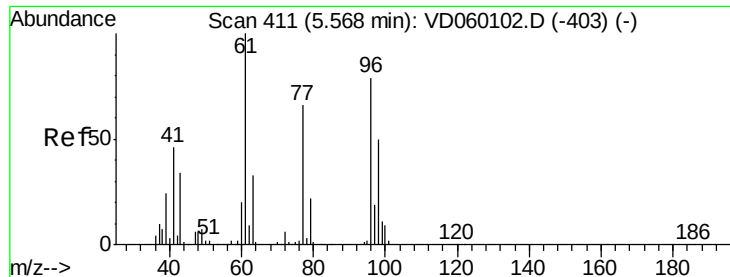
5.50

5.60

5.70

Time-->





#27

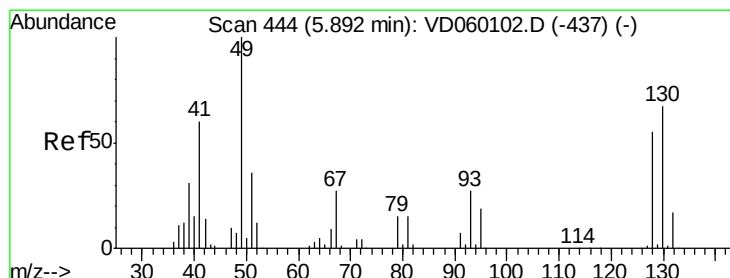
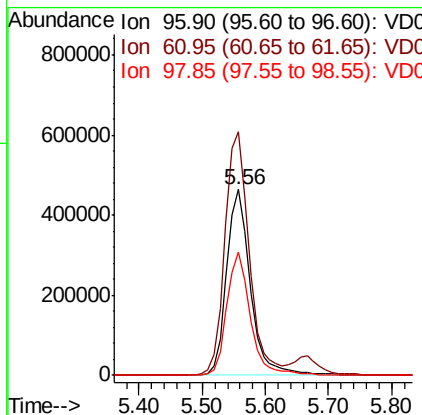
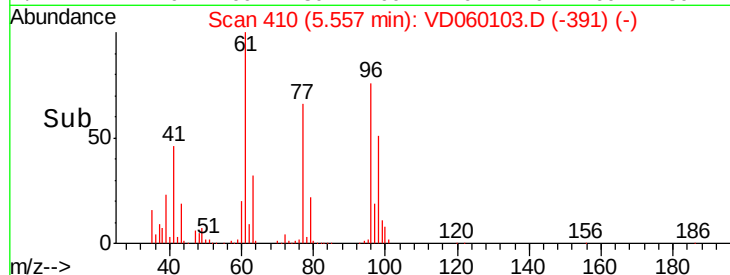
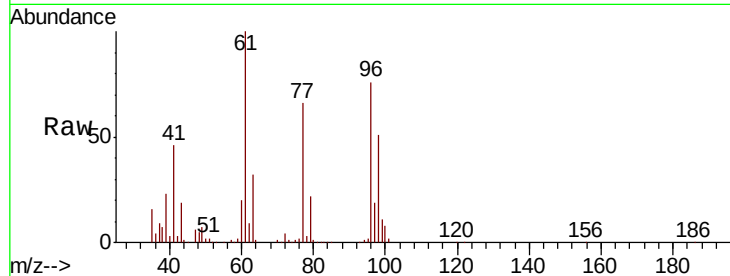
cis-1,2-Dichloroethene
 Concen: 72.175 ug/l
 RT: 5.56 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	251.8
98	66.2	0.0	125.2

Manual Integrations
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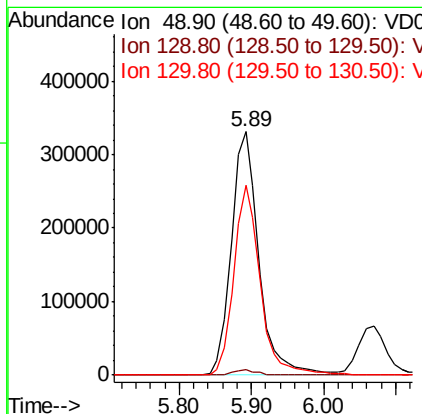
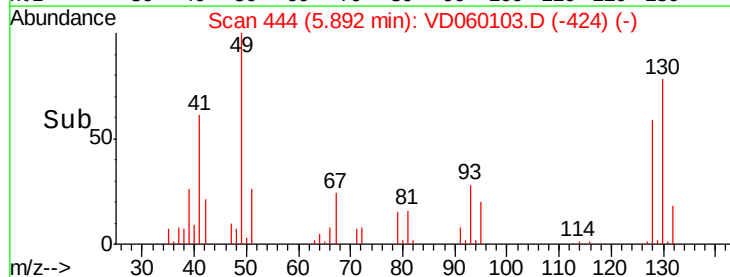
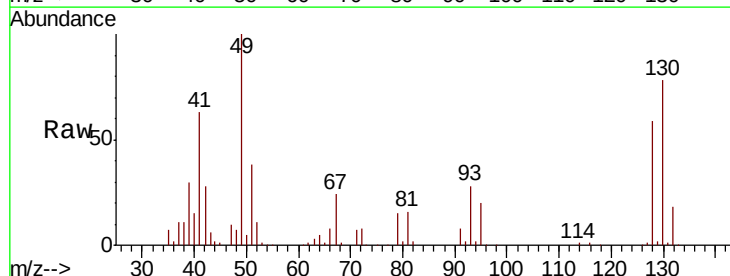
apatel
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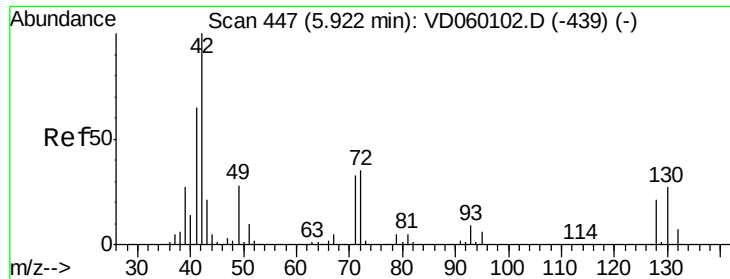


#28

Bromochloromethane
 Concen: 68.627 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	77.9	53.9	80.9





#29

Tetrahydrofuran

Concen: 337.781 ug/l

RT: 5.92 min Scan# 447

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 42 Resp: 1087281

Ion Ratio Lower Upper

42 100

72 34.3 26.9 40.3

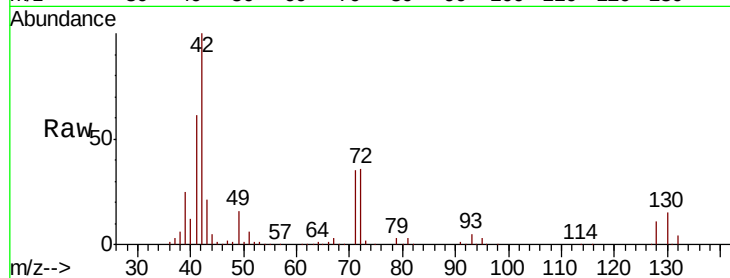
71 33.8 26.7 40.1

Manual Integrations

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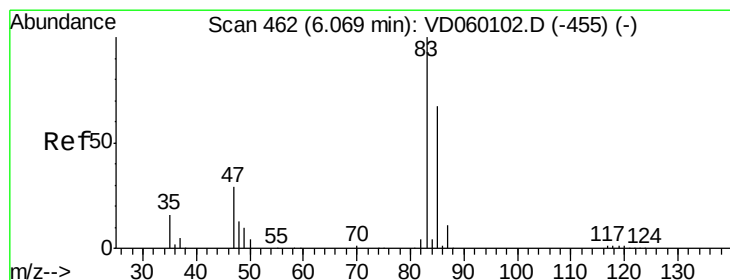
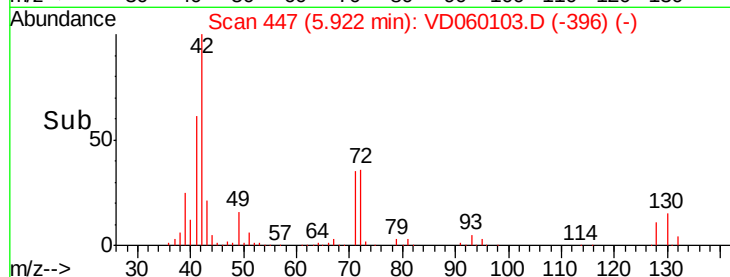
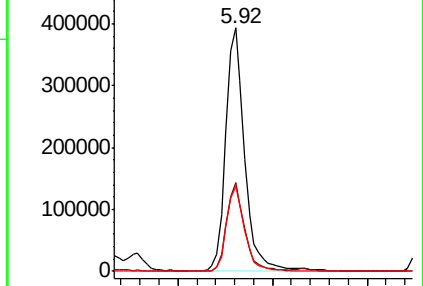
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Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 70.823 ug/l

RT: 6.07 min Scan# 462

Delta R.T. -0.00 min

Lab File: VD060103.D

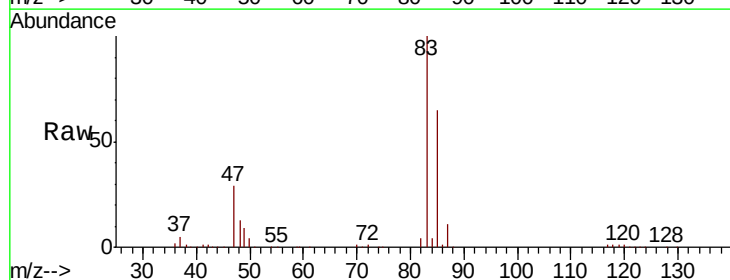
Acq: 1 Oct 2018 18:18

Tgt Ion: 83 Resp: 1886718

Ion Ratio Lower Upper

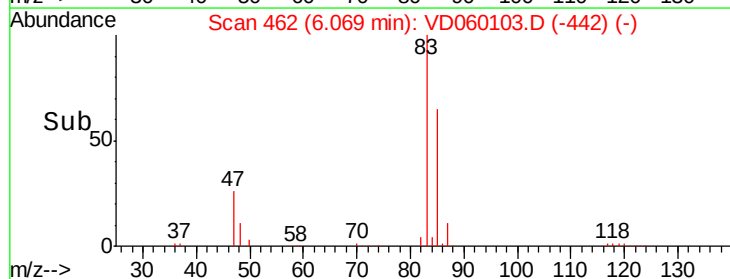
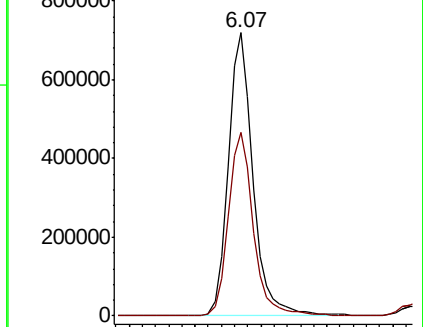
83 100

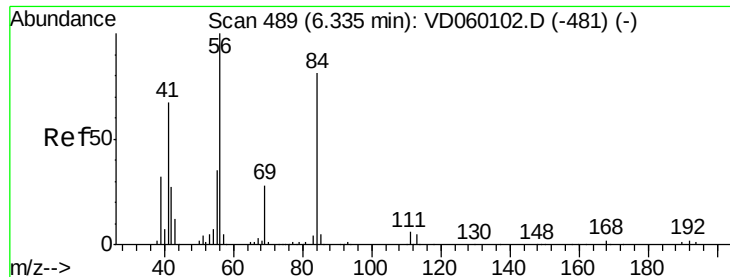
85 65.0 53.8 80.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





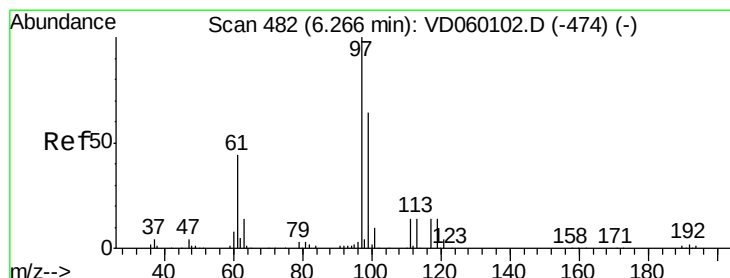
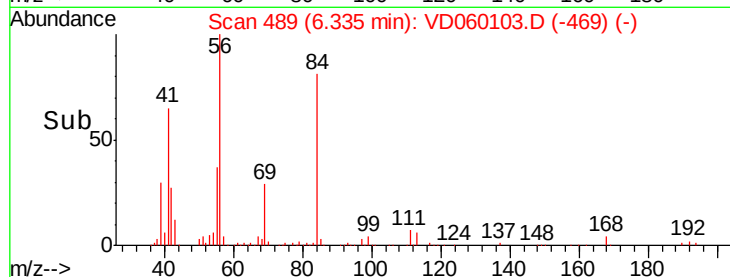
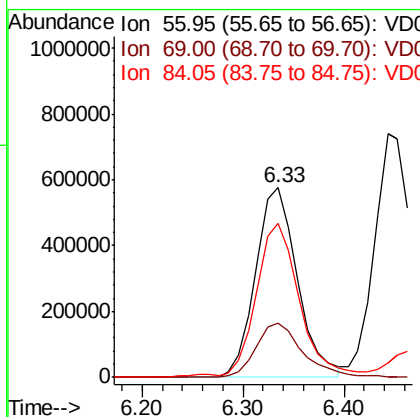
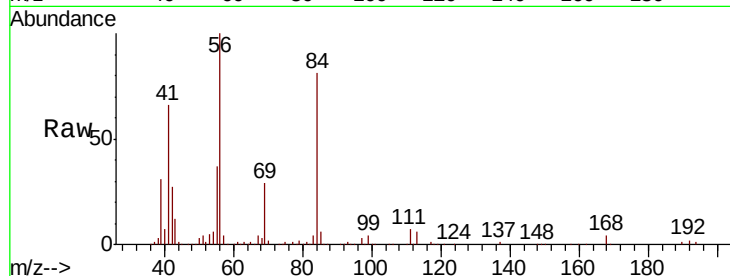
#31
Cyclohexane
Concen: 64.993 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.8	34.2
84	81.1	64.9	97.3

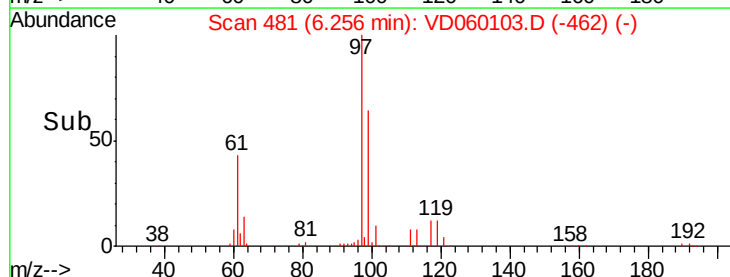
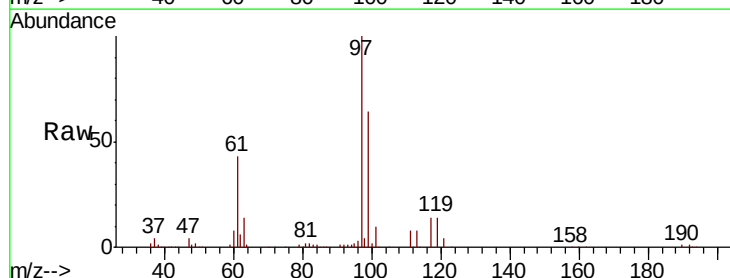
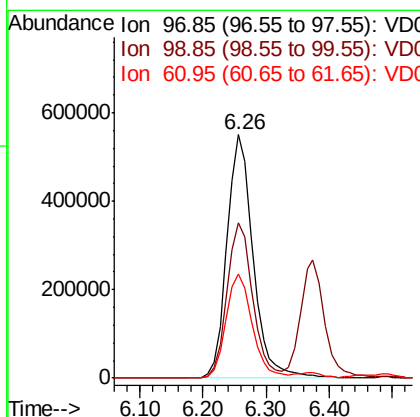
Manual Integrations
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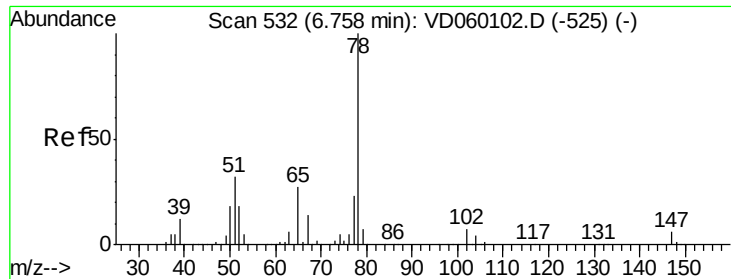
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#32
1,1,1-Trichloroethane
Concen: 71.309 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	42.8	35.5	53.3





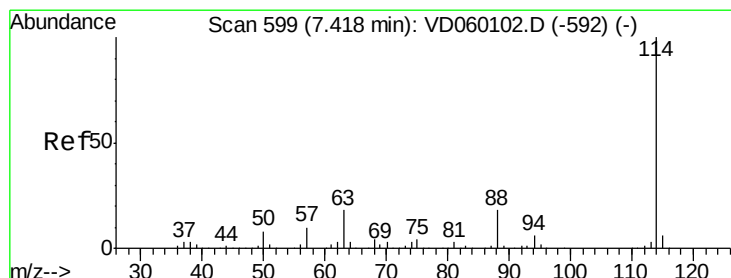
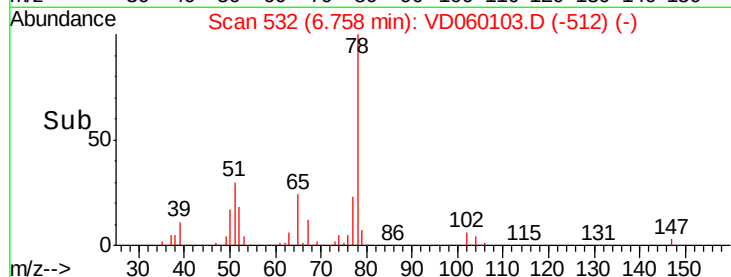
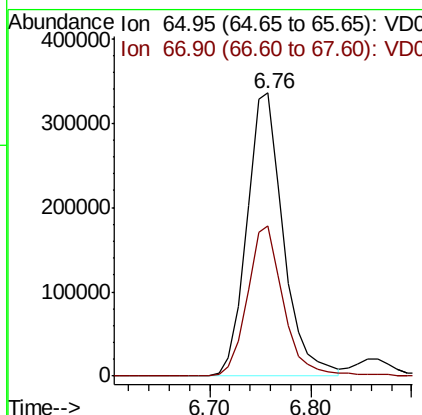
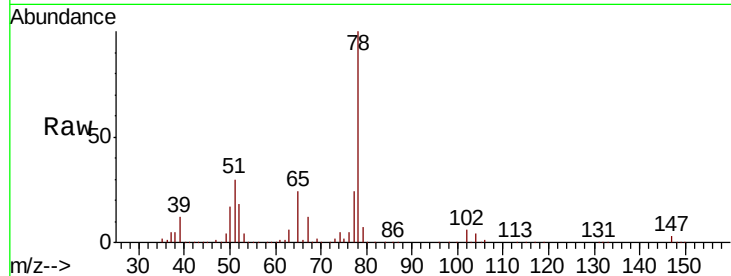
#33
 1,2-Dichloroethane-d4
 Concen: 71.309 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	843708		
67	53.0	0.0	106.2	

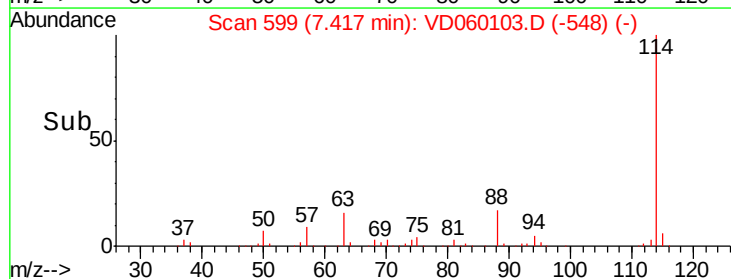
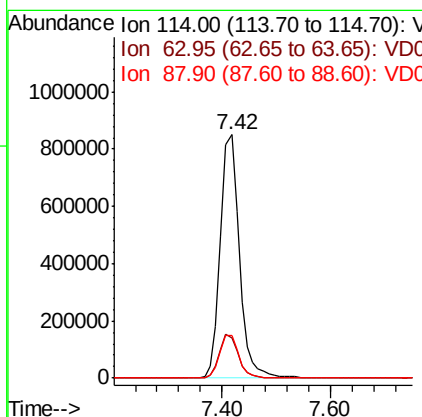
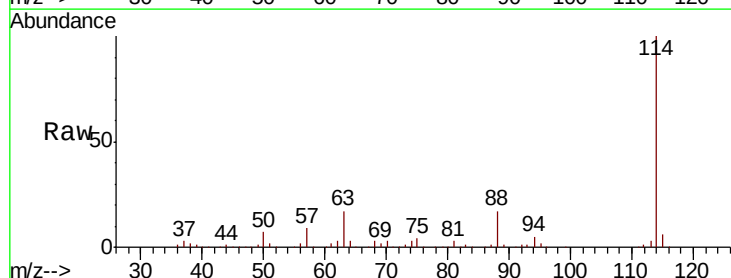
Manual Integrations
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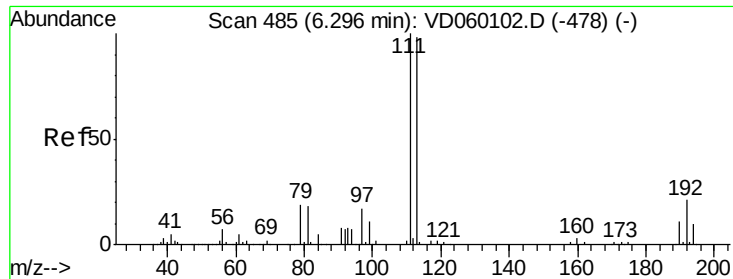
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2072505		
63	16.7	0.0	36.0	
88	17.5	0.0	36.2	





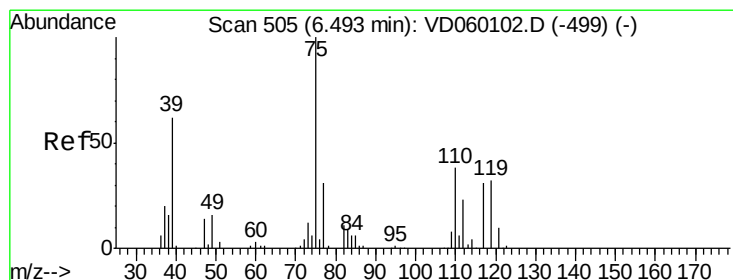
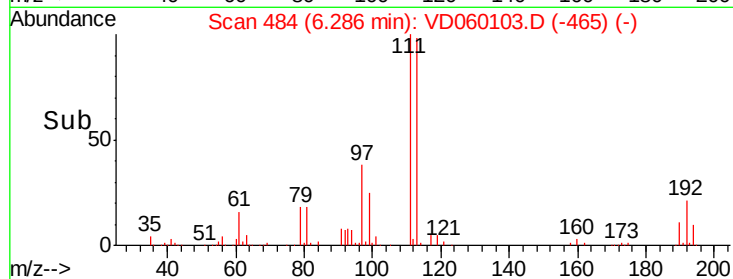
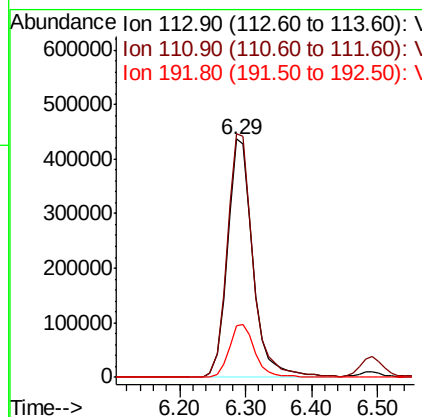
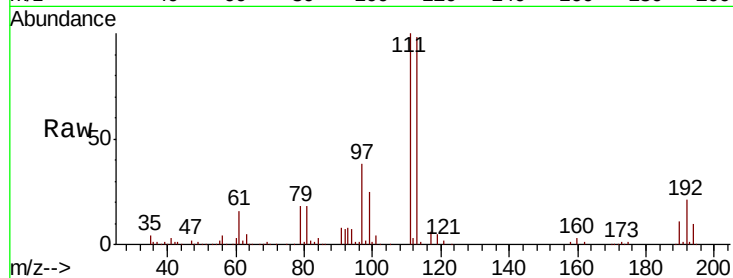
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:113 Resp: 1179153
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.5 122.3
 192 21.6 17.4 26.0

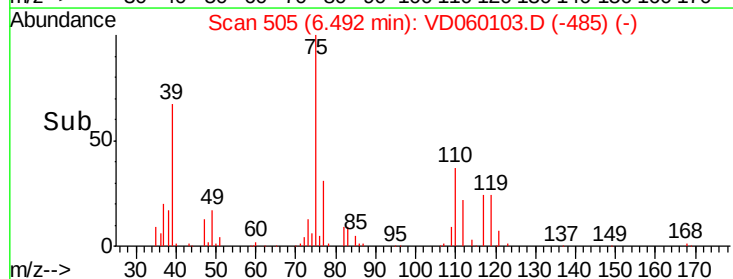
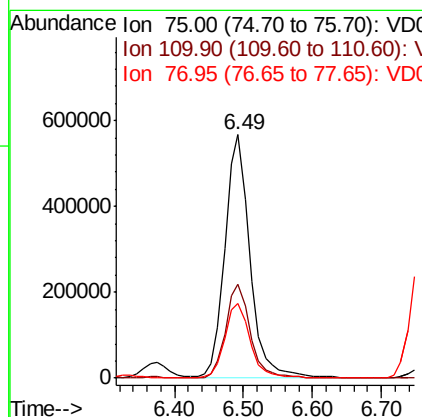
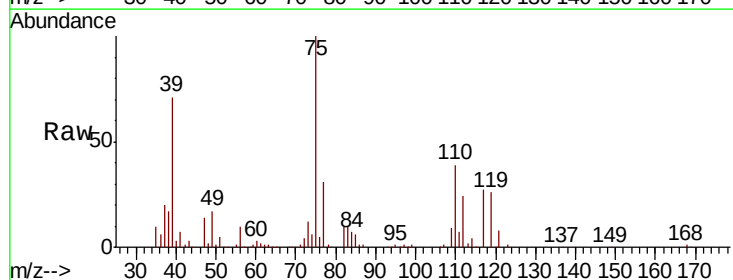
Manual Integrations
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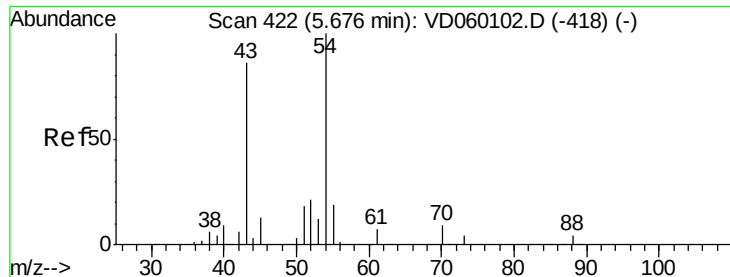
apatel
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#36
 1,1-Dichloropropene
 Concen: 69.556 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion: 75 Resp: 1410410
 Ion Ratio Lower Upper
 75 100
 110 38.7 19.0 57.0
 77 30.7 24.9 37.3





#37

Ethyl Acetate

Concen: 68.496 ug/l

RT: 5.67 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

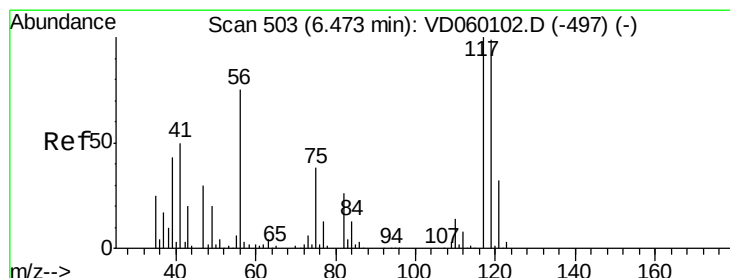
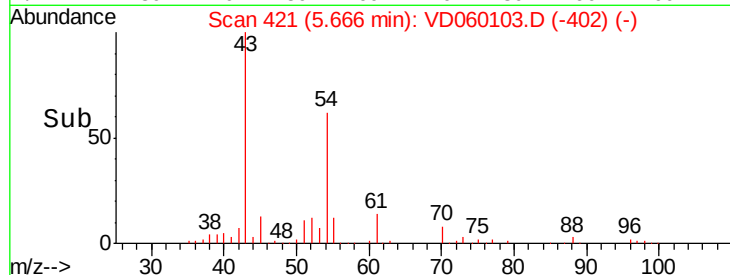
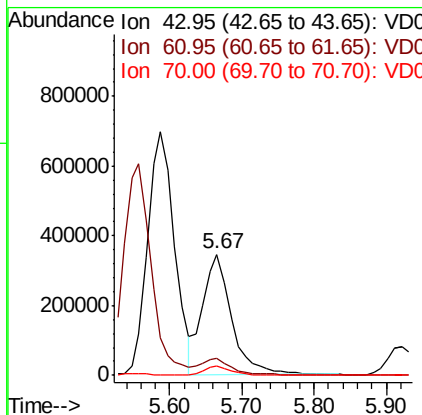
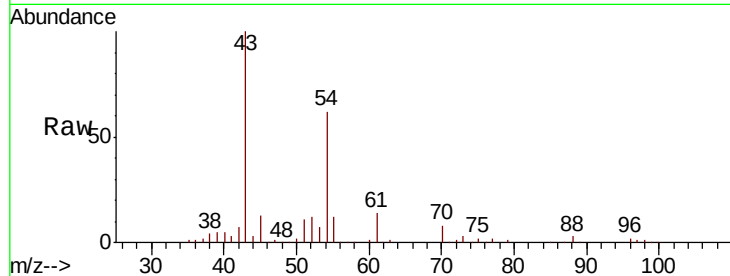
ClientSampleID :

VSTDIC075

Tot Ion:	43	Resp:	959036
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	7.9	6.3	9.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 70.359 ug/l

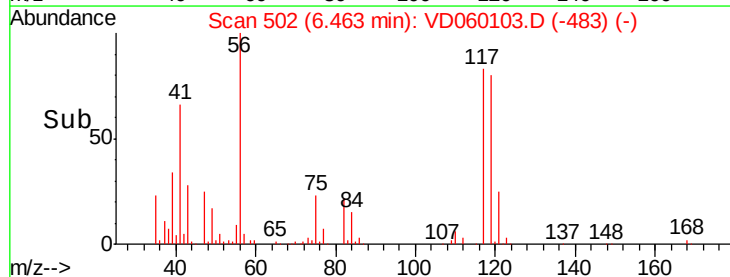
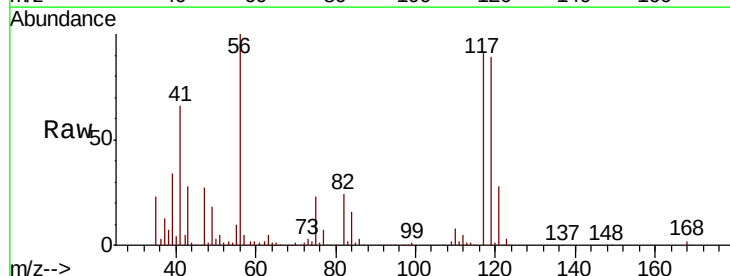
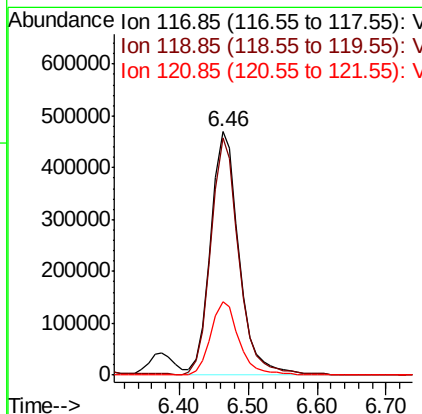
RT: 6.46 min Scan# 502

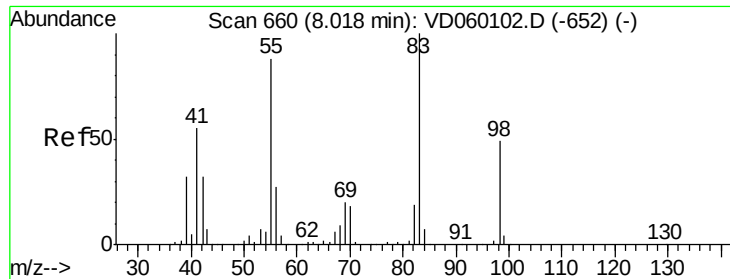
Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Tgt Ion:	117	Resp:	1324873
Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.8	116.6
121	30.1	24.8	37.2





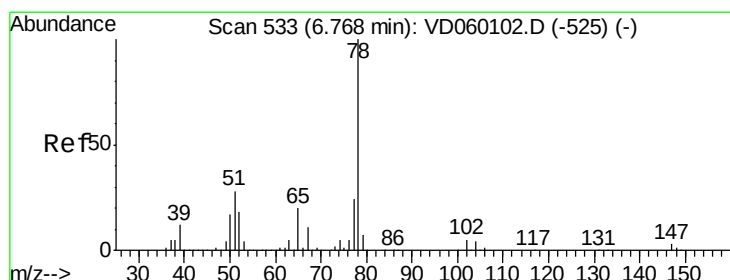
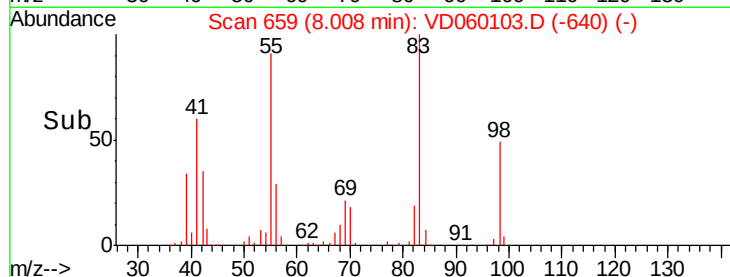
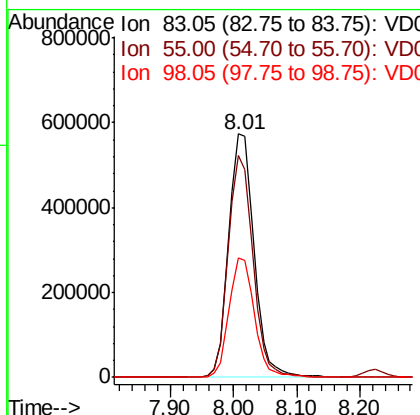
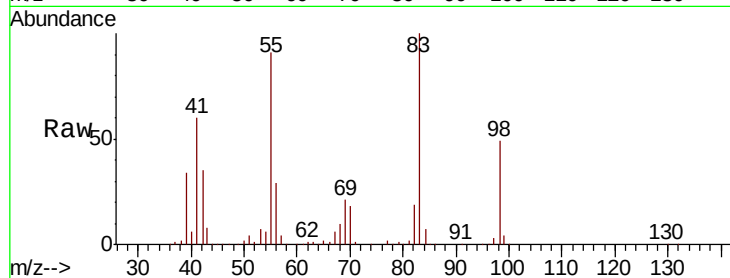
#39
Methylvlcyclohexane
Concen: 69.364 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 1595815
Ion Ratio Lower Upper
83 100
55 91.3 70.5 105.7
98 49.3 39.4 59.2

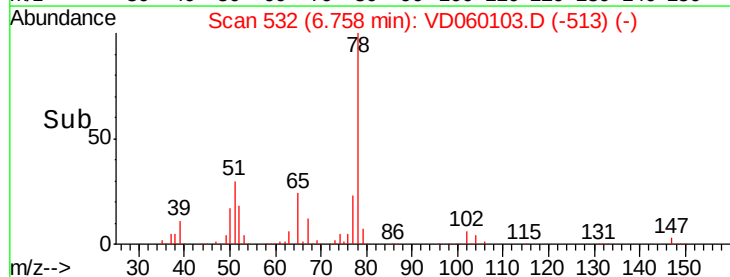
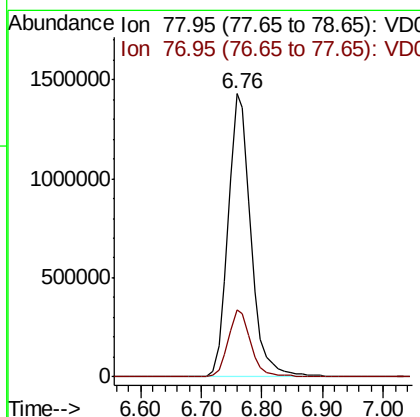
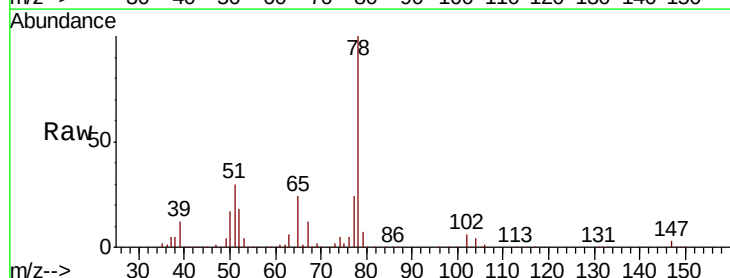
Manual Integrations
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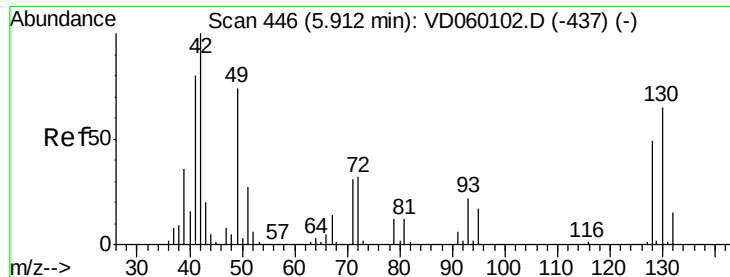
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#40
Benzene
Concen: 71.954 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion: 78 Resp: 3723476
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





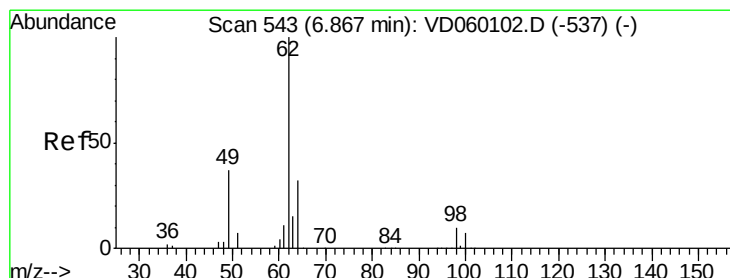
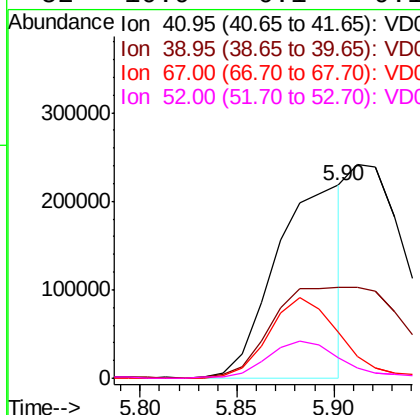
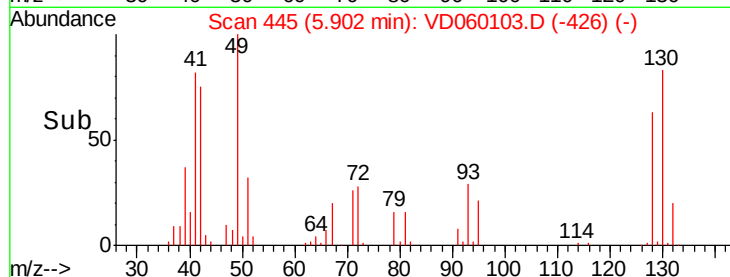
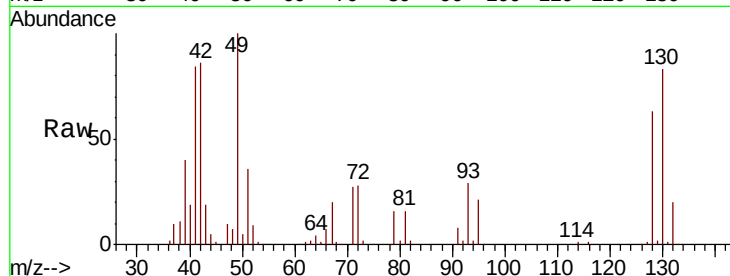
#41
Methacrylonitrile
Concen: 71.488 ug/l m
RT: 5.90 min Scan# 445
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.9	36.0	54.0
67	23.9	13.9	20.9
52	10.9	6.1	9.1

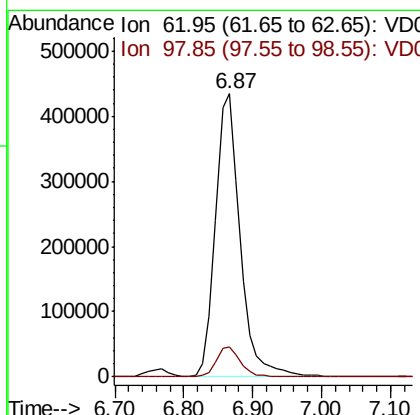
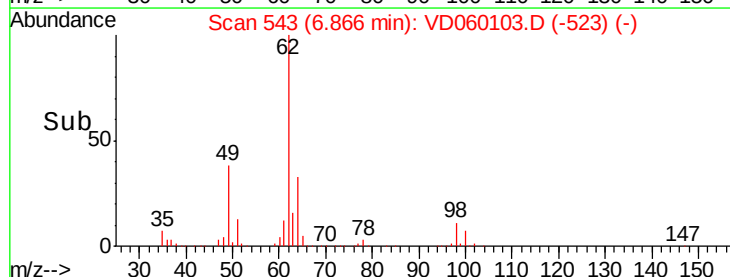
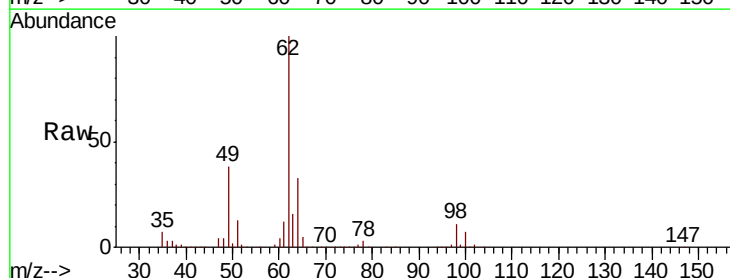
Manual Integrations
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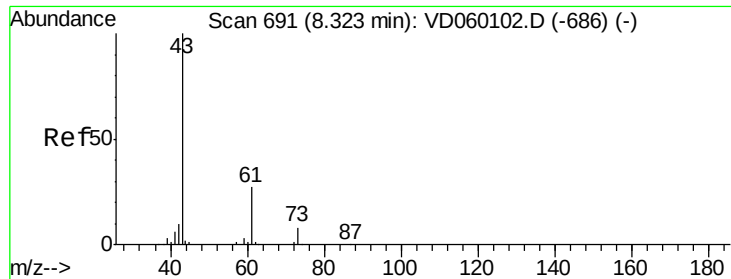
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#42
1,2-Dichloroethane
Concen: 69.172 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6





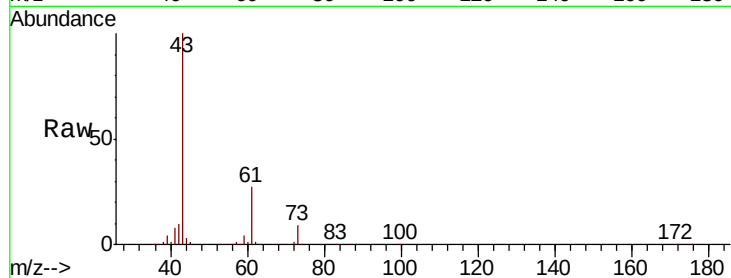
#43
Isopropyl Acetate
Concen: 70.591 ug/l
RT: 8.32 min Scan# 691
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

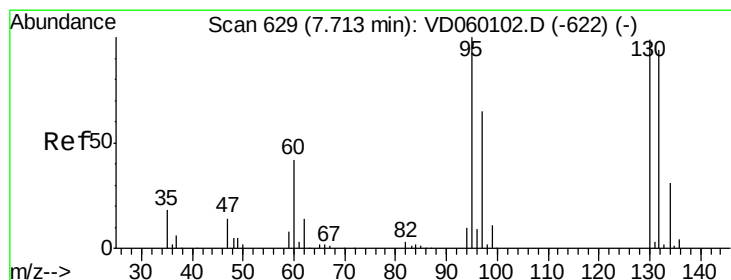
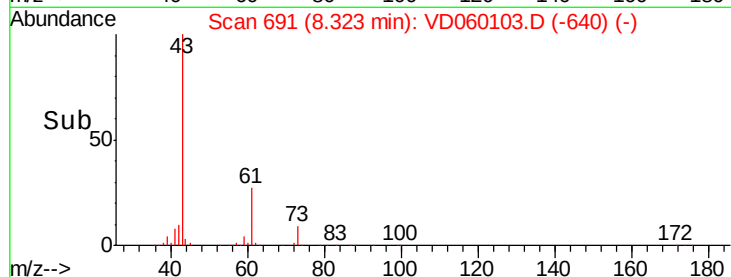
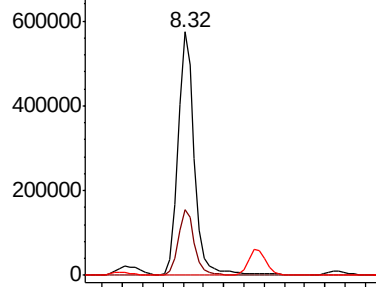
Tot Ion: 43 Resp: 1309652
Ion Ratio Lower Upper
43 100
61 27.1 21.4 32.2
87 0.3 0.2 0.2#

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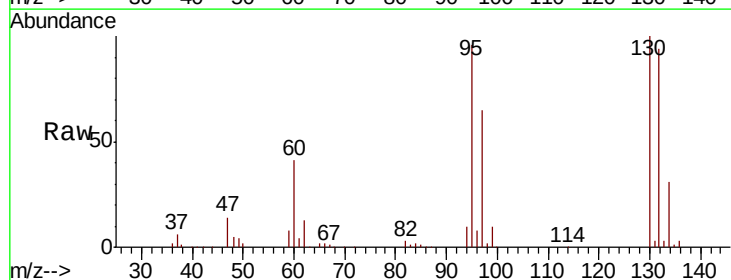


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

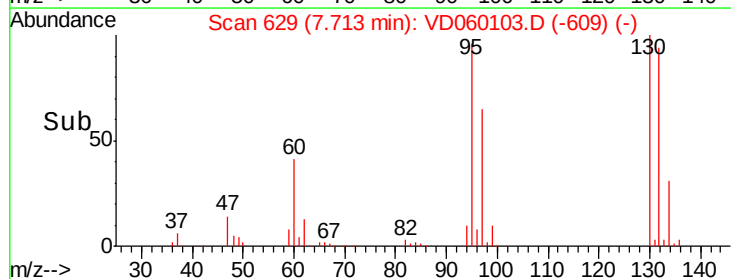
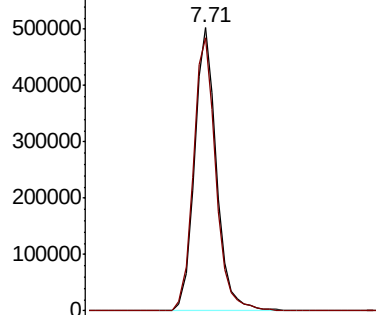


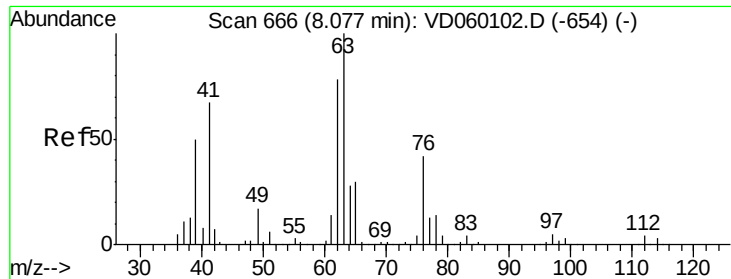
#44
Trichloroethene
Concen: 73.021 ug/l
RT: 7.71 min Scan# 629
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion:130 Resp: 1173656
Ion Ratio Lower Upper
130 100
95 96.3 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





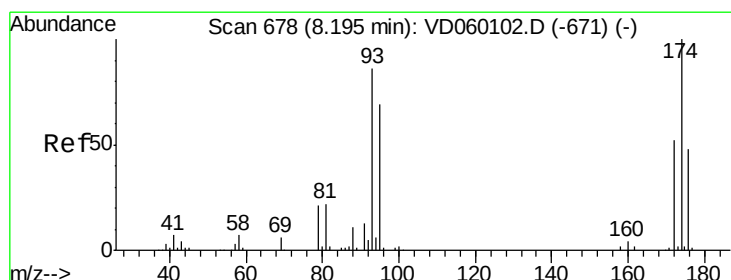
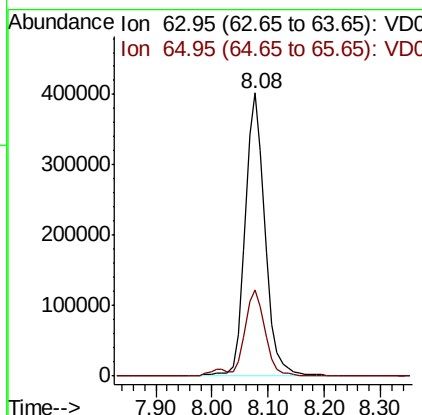
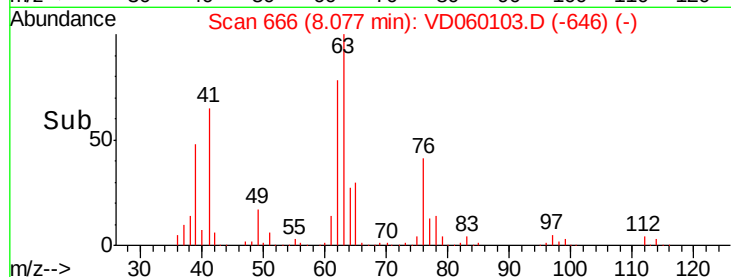
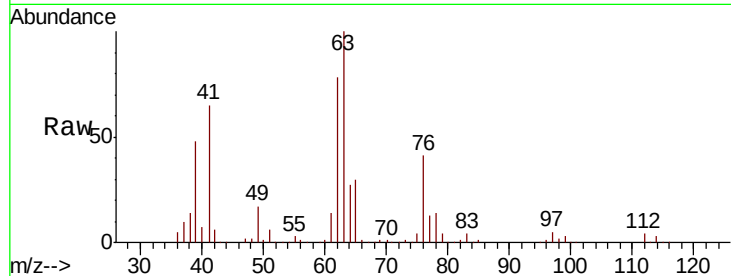
#45
1,2-Dichloropropane
Concen: 71.189 ug/l
RT: 8.08 min Scan# 666
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 63 Resp: 986084
Ion Ratio Lower Upper
63 100
65 30.4 24.1 36.1

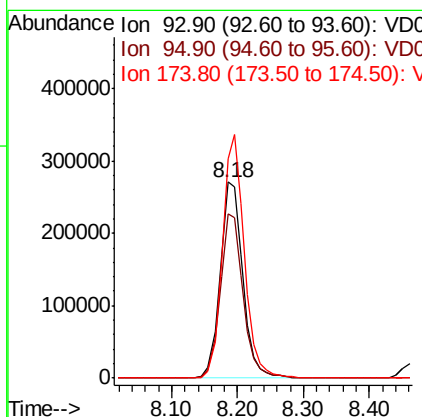
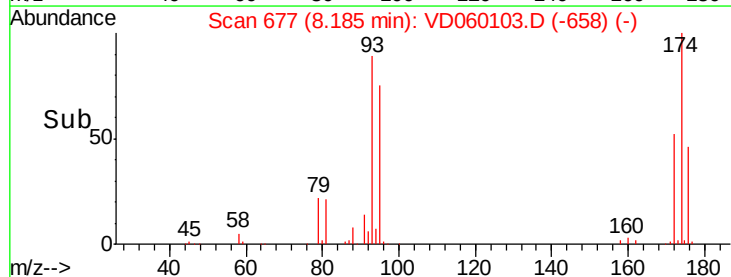
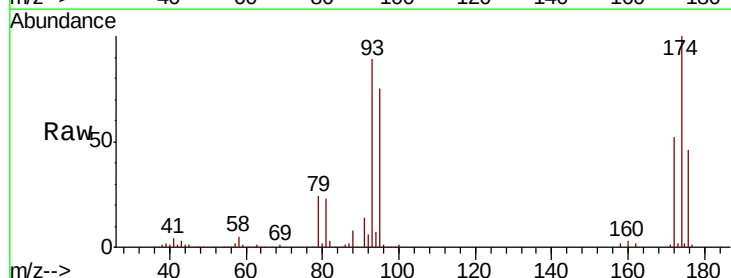
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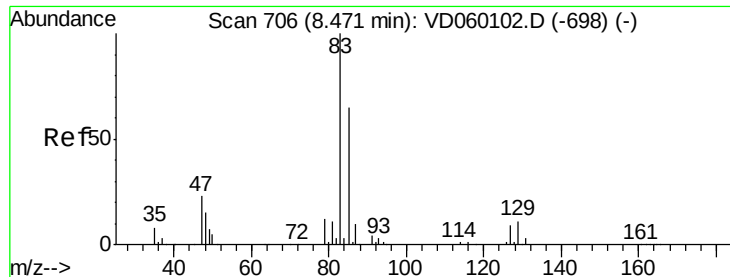
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#46
Dibromomethane
Concen: 72.007 ug/l
RT: 8.18 min Scan# 677
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion: 93 Resp: 648313
Ion Ratio Lower Upper
93 100
95 83.7 63.8 95.6
174 112.0 92.9 139.3





#47

Bromodichloromethane

Concen: 72.096 ug/l

RT: 8.46 min Scan# 705

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 1403228

Ion Ratio Lower Upper

83 100

85 65.4 52.2 78.2

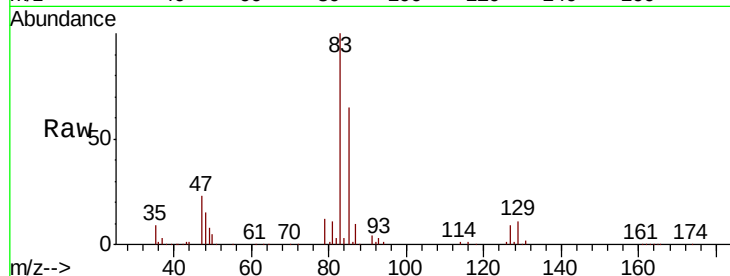
127 8.7 7.4 11.0

Manual Integrations

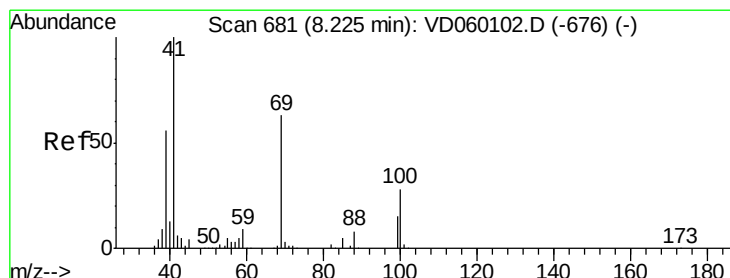
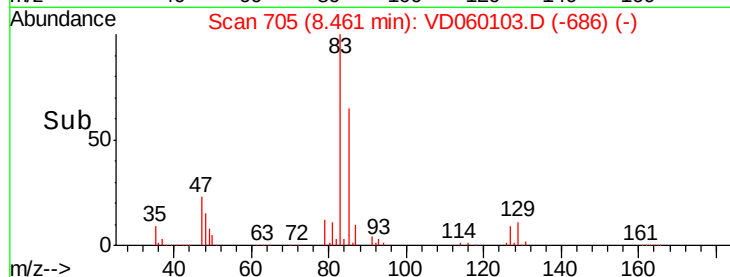
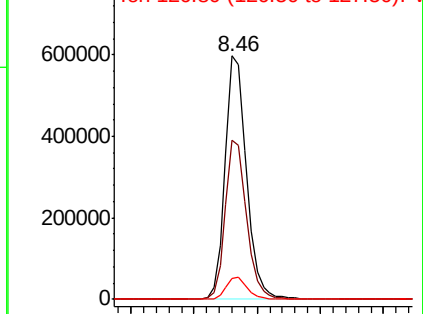
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 70.164 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

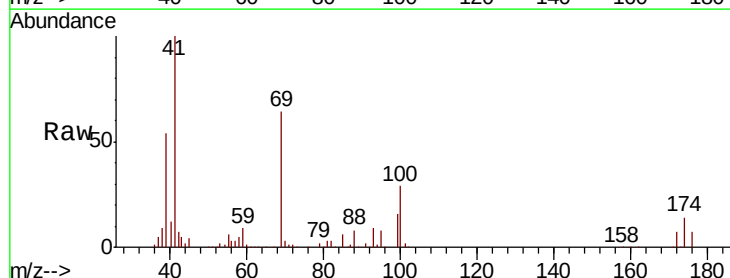
Tgt Ion: 41 Resp: 725700

Ion Ratio Lower Upper

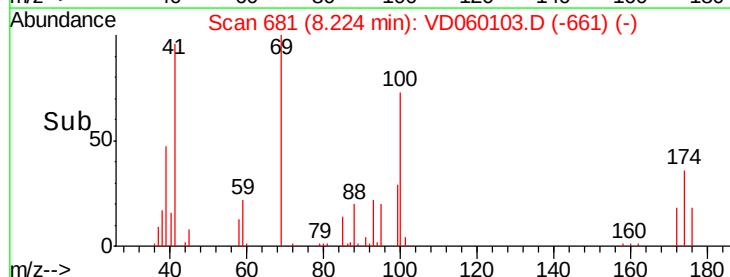
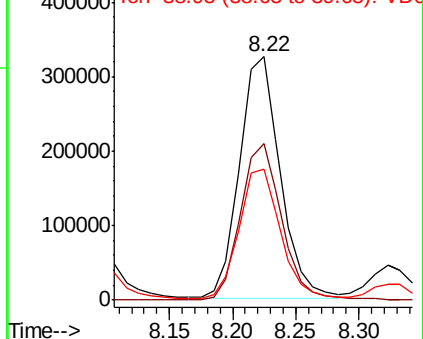
41 100

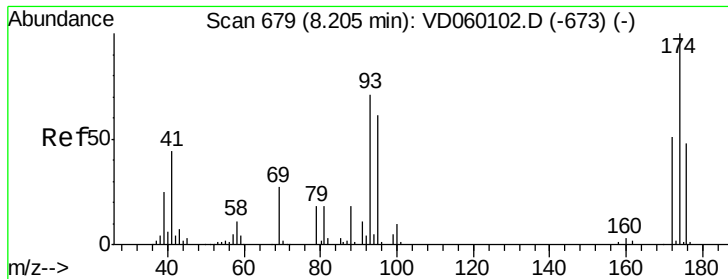
69 64.3 49.7 74.5

39 53.7 45.2 67.8



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





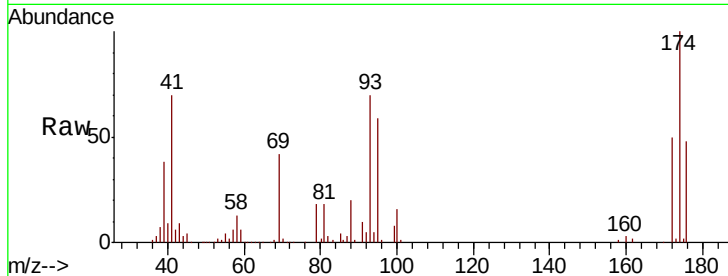
#49
1,4-Dioxane
Concen: 1427.324 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

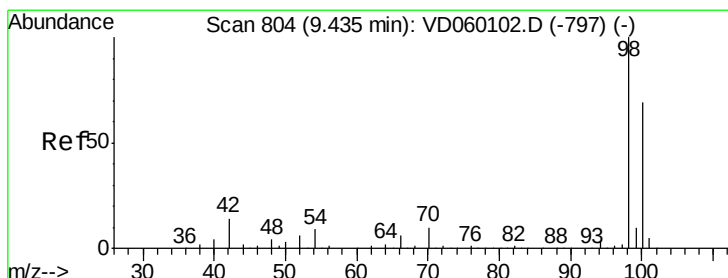
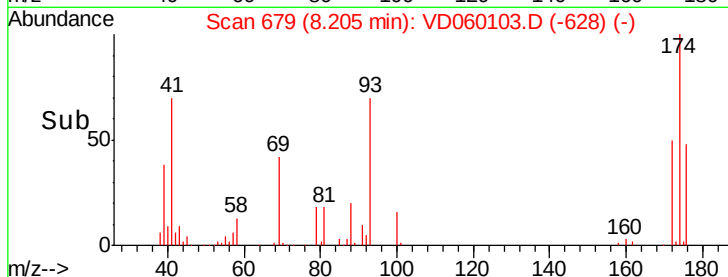
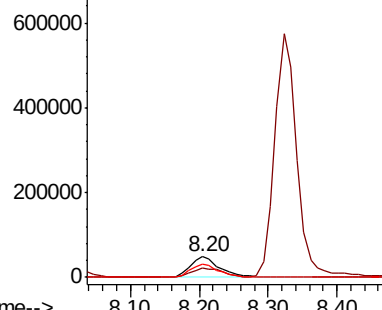
Tot Ion	Ratio	Lower	Upper
88	100		
43	45.2	33.7	50.5
58	64.9	49.1	73.7

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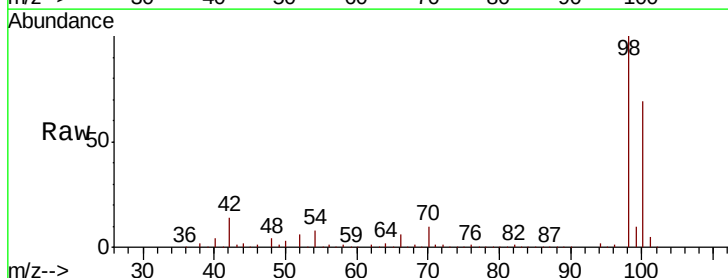


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

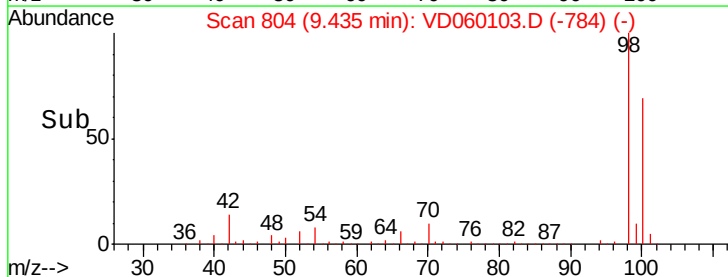
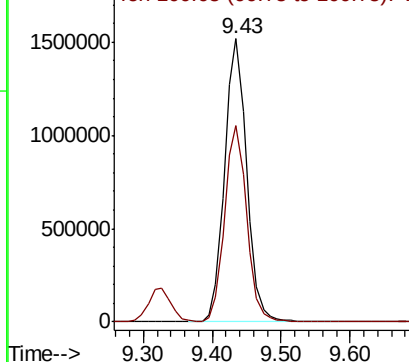


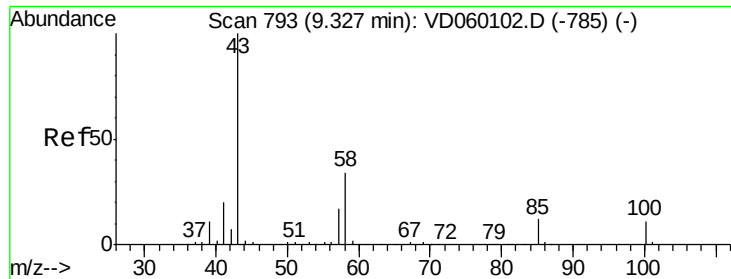
#50
Toluene-d8
Concen: 1427.324 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.4	83.0



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





#51

4-Methyl-2-Pentanone

Concen: 304.975 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 3881560

Ion Ratio Lower Upper

43 100

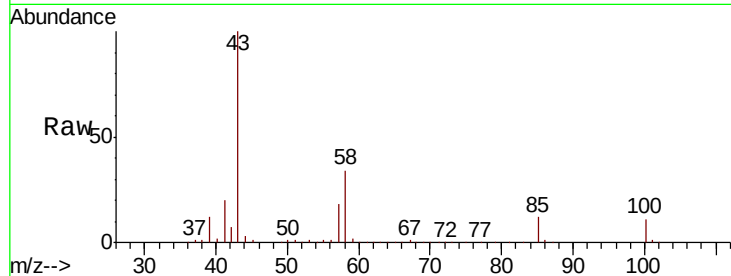
58 33.7 27.2 40.8

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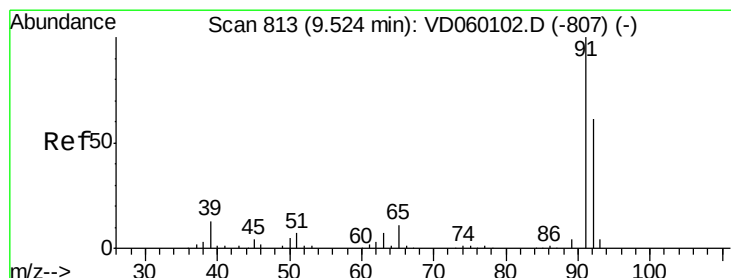
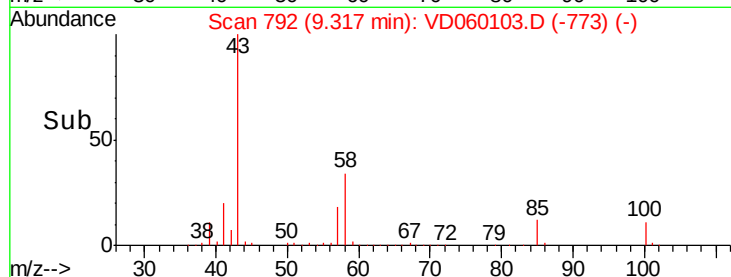
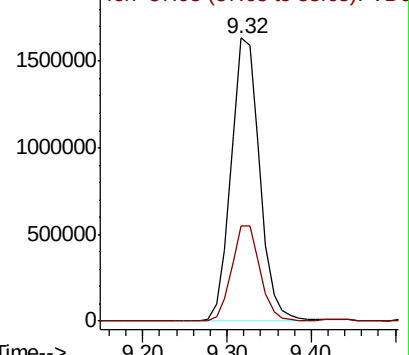
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 70.969 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD060103.D

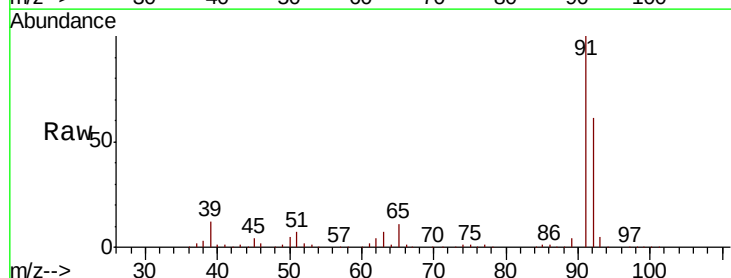
Acq: 1 Oct 2018 18:18

Tgt Ion: 92 Resp: 2370305

Ion Ratio Lower Upper

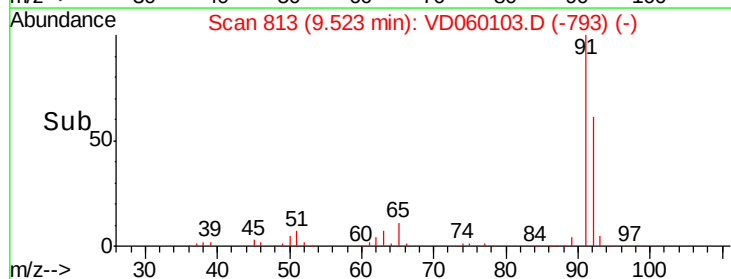
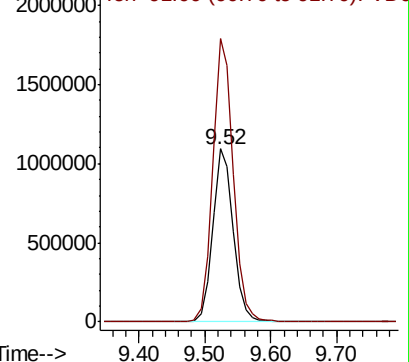
92 100

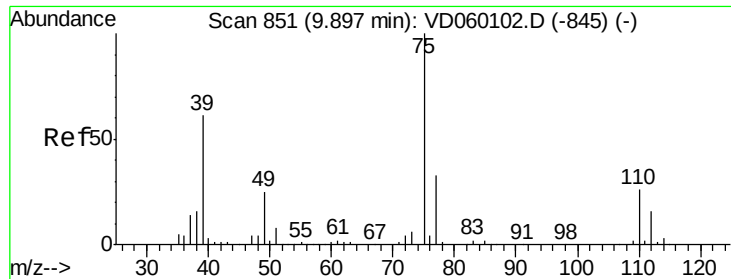
91 163.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 67.723 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Tot Ion: 75 Resp: 1230952

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

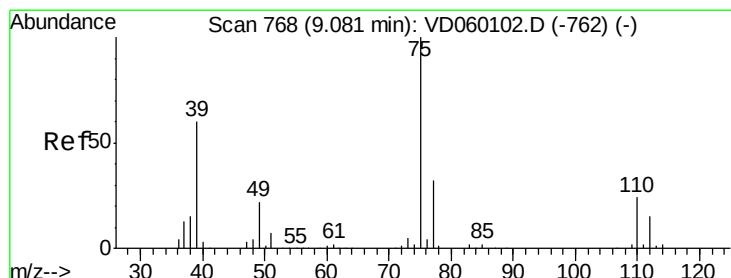
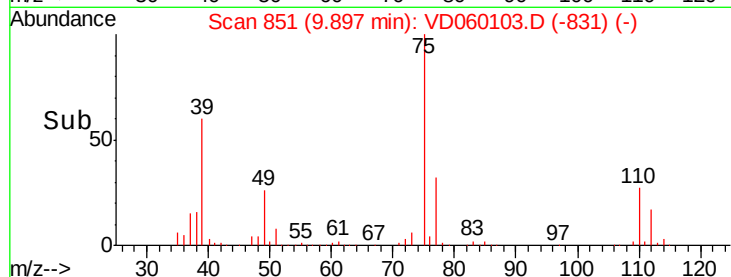
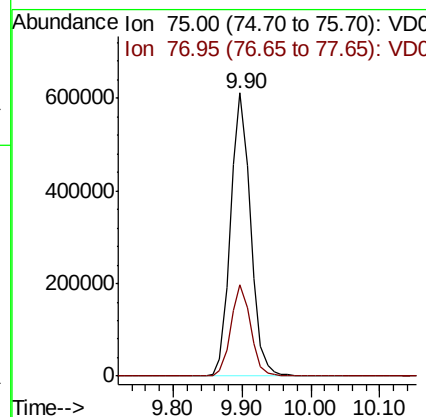
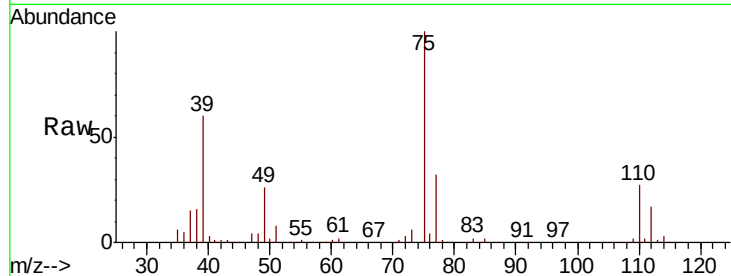
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#54

cis-1,3-Dichloropropene

Concen: 71.235 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

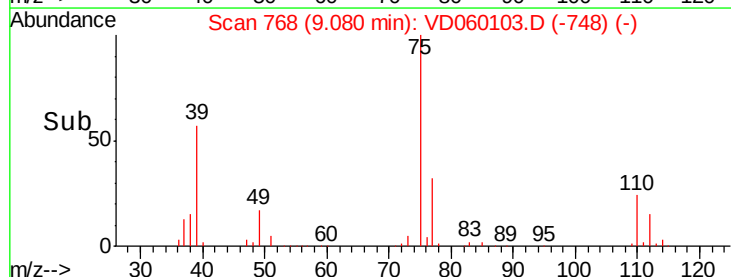
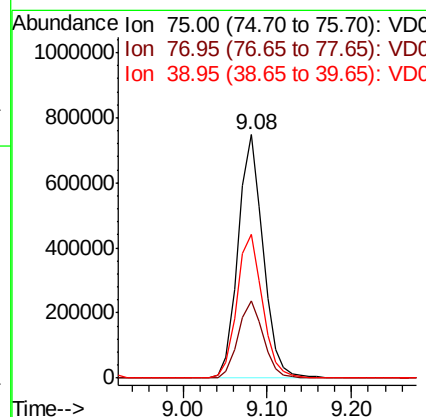
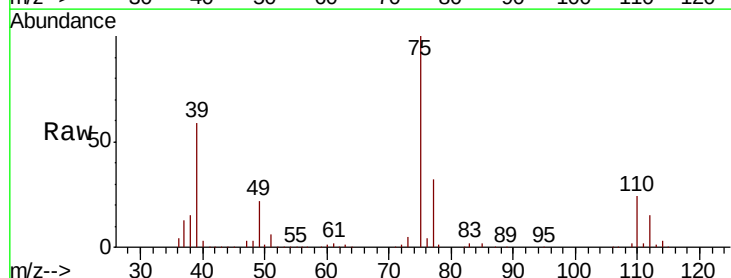
Tgt Ion: 75 Resp: 1544922

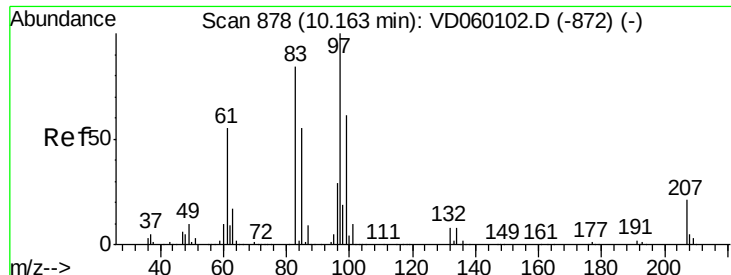
Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 59.0 48.2 72.4





#55

1,1,2-Trichloroethane

Concen: 68.497 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 793452

Ion Ratio Lower Upper

97 100

83 84.3 67.0 100.6

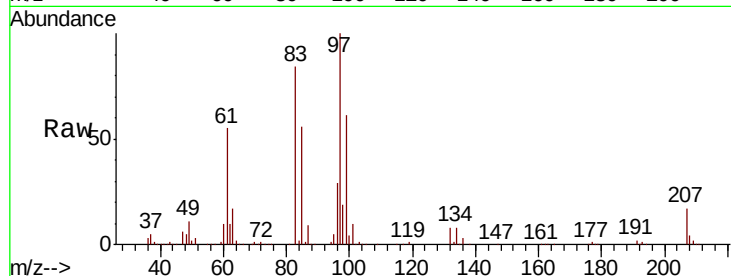
85 55.5 43.9 65.9

99 61.1 49.1 73.7

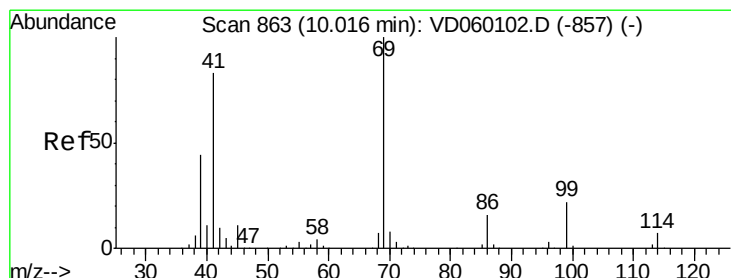
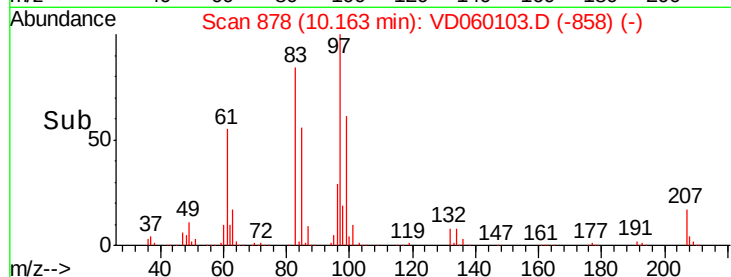
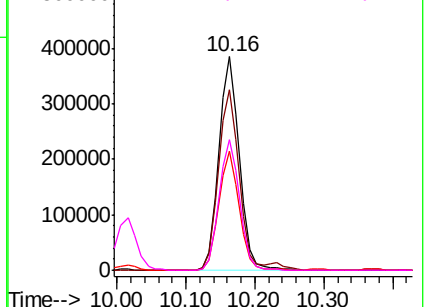
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Abundance Ion 96.85 (96.55 to 97.55): VDC
600000
Ion 82.95 (82.65 to 83.65): VDC
500000
Ion 84.95 (84.65 to 85.65): VDC
400000
Ion 98.85 (98.55 to 99.55): VDC
300000
200000
100000
0



#56

Ethyl methacrylate

Concen: 69.779 ug/l

RT: 10.02 min Scan# 863

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

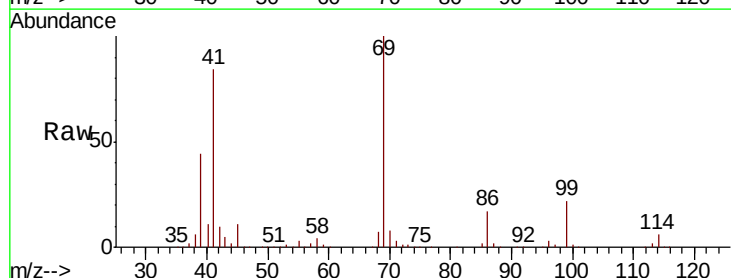
Tgt Ion: 69 Resp: 890999

Ion Ratio Lower Upper

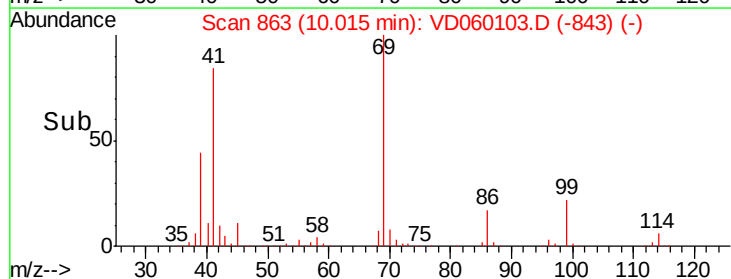
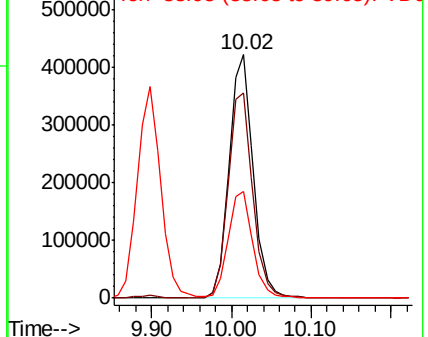
69 100

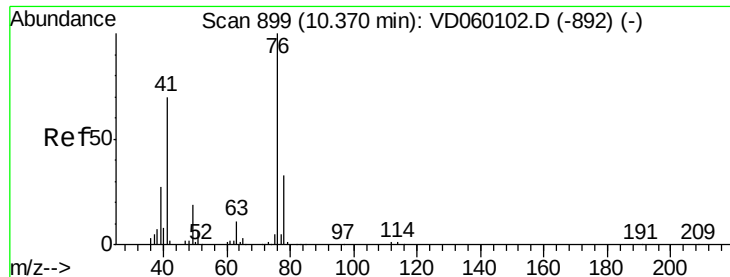
41 84.4 66.6 100.0

39 43.7 36.0 54.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
500000
Ion 41.05 (40.75 to 41.75): VDC
400000
Ion 38.95 (38.65 to 39.65): VDC
300000
200000
100000
0





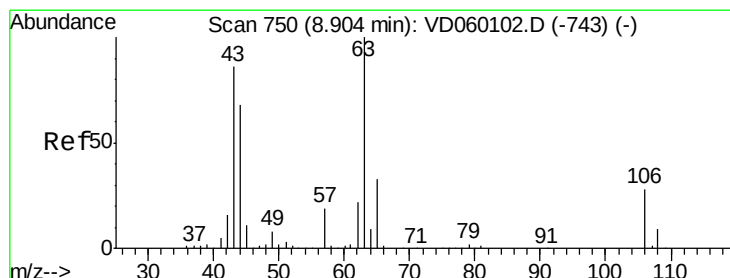
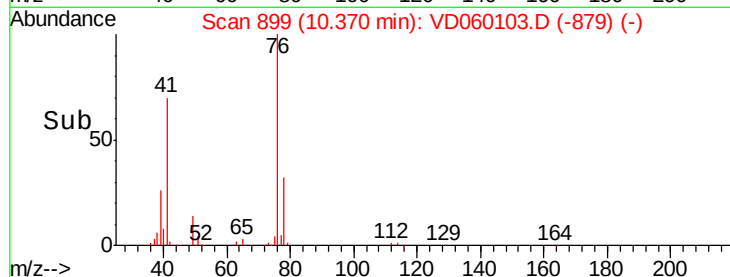
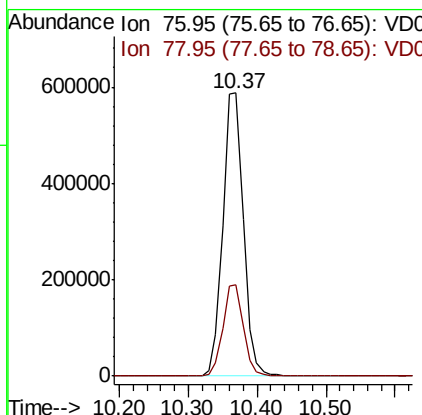
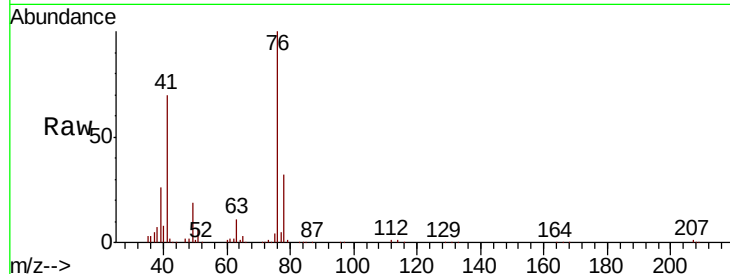
#57
 1,3-Dichloropropane
 Concen: 71.280 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 1216014
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

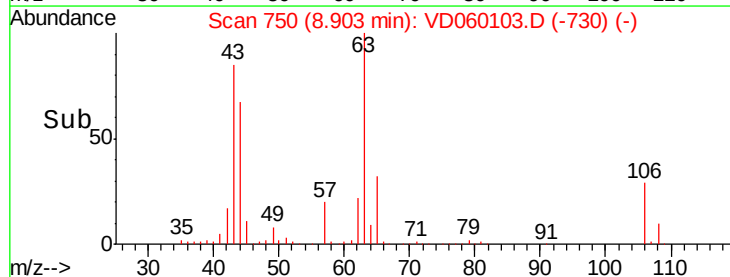
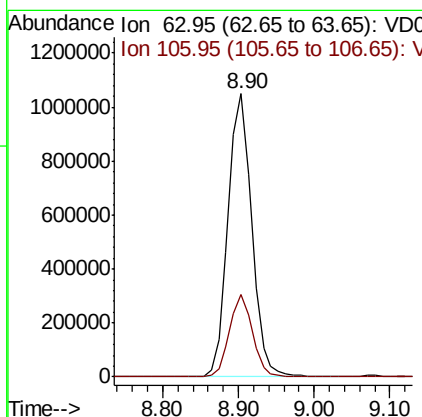
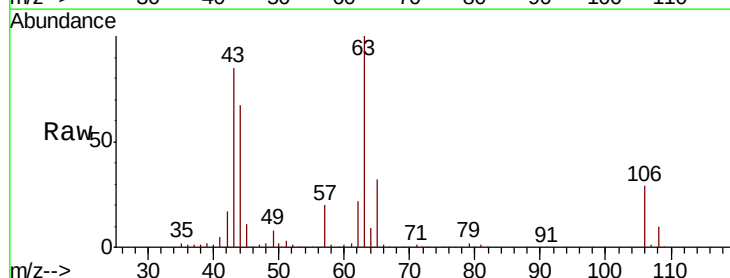
Manual Integrations
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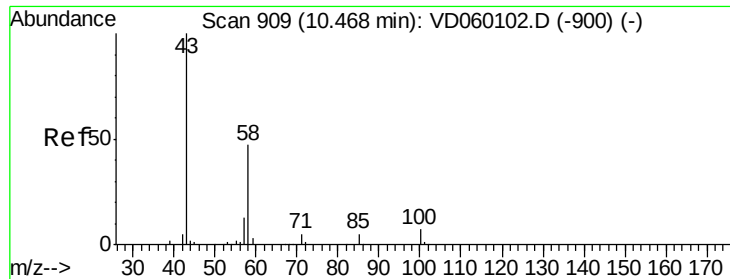
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#58
 2-Chloroethyl Vinyl ether
 Concen: 362.551 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion: 63 Resp: 2282824
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.6 34.0





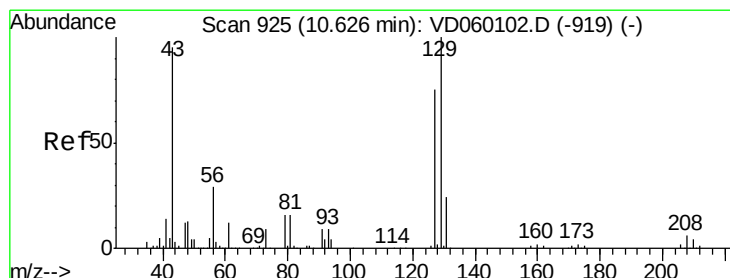
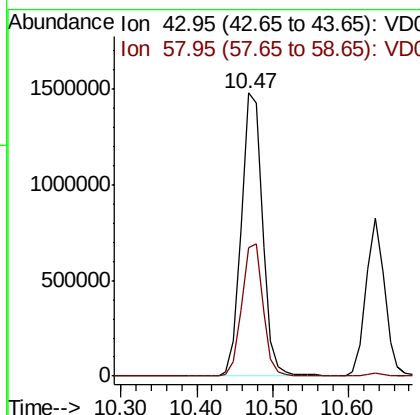
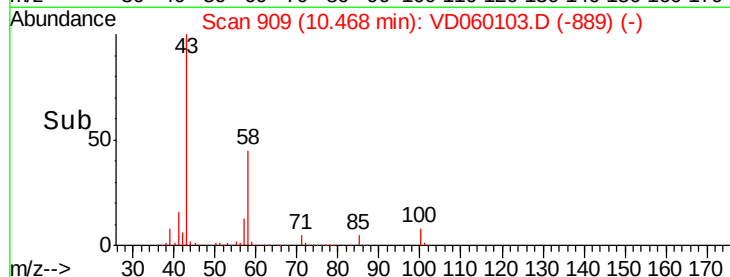
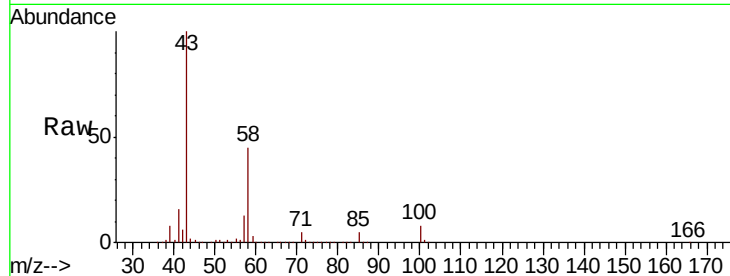
#59
2-Hexanone
Concen: 311.442 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 2860368
Ion Ratio Lower Upper
43 100
58 45.3 23.3 69.9

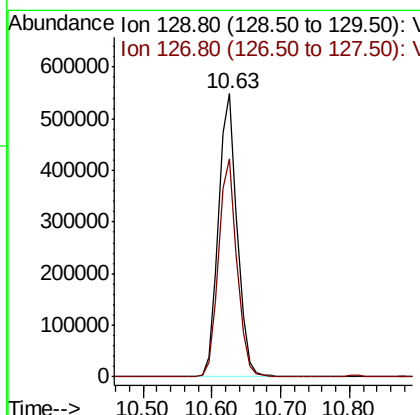
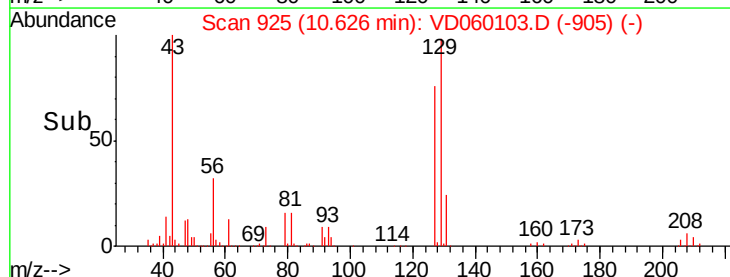
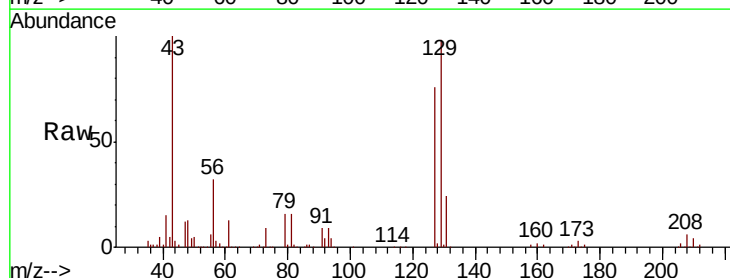
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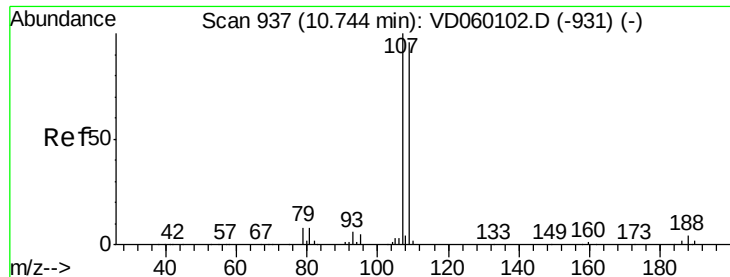
apatel
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#60
Dibromochloromethane
Concen: 73.823 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion: 129 Resp: 1031739
Ion Ratio Lower Upper
129 100
127 77.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 73.272 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 876082

Ion Ratio Lower Upper

107 100

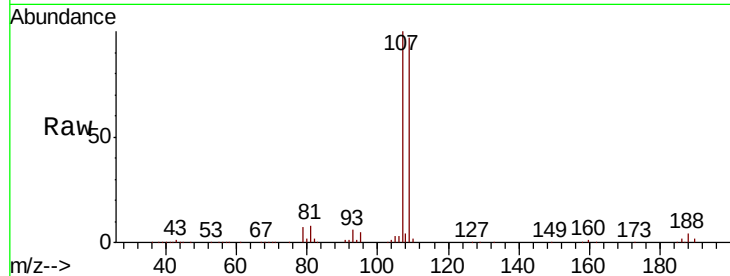
109 96.9 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

500000

400000

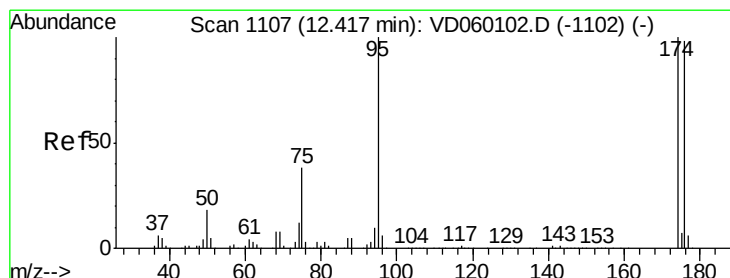
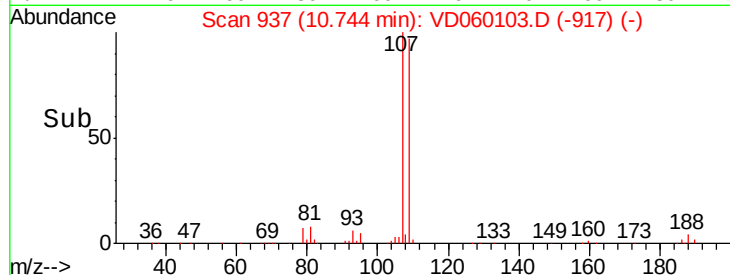
300000

200000

100000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 73.272 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

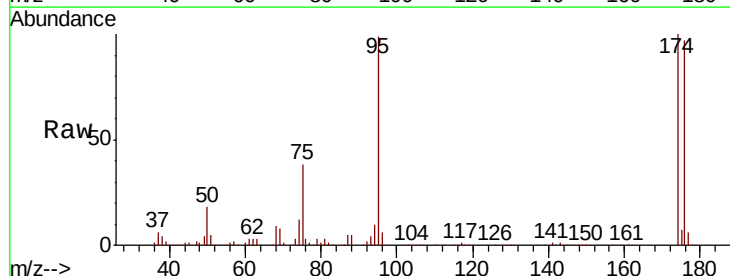
Tgt Ion: 95 Resp: 1232467

Ion Ratio Lower Upper

95 100

174 100.9 0.0 200.2

176 97.8 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

1200000

1000000

800000

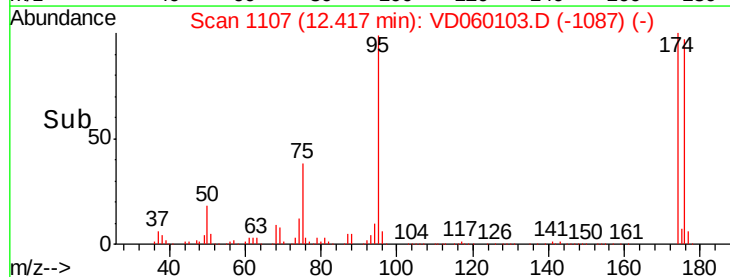
600000

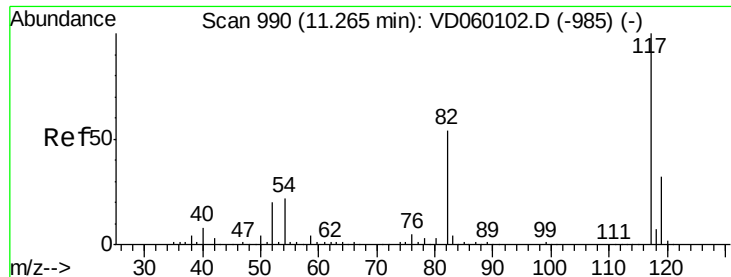
400000

200000

0

Time--> 12.40 12.50





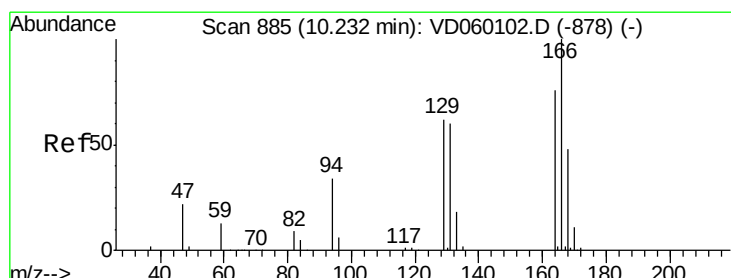
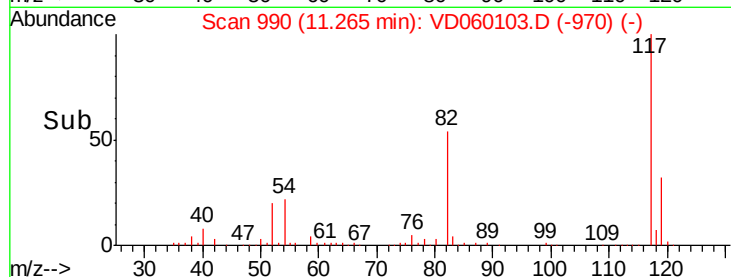
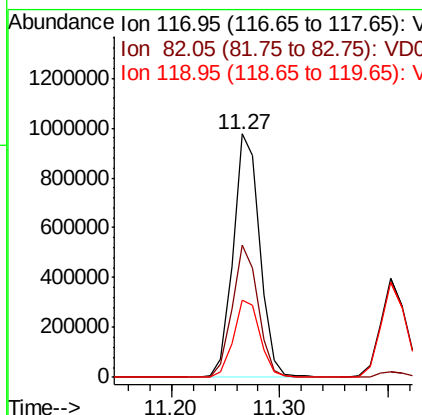
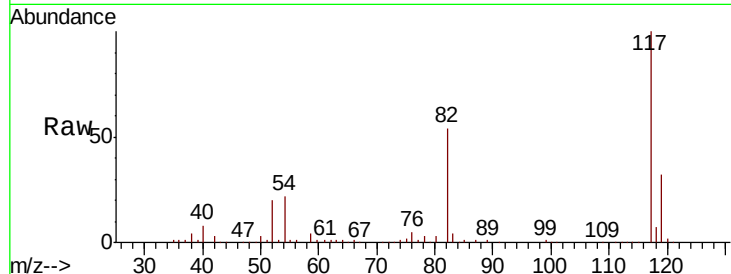
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 1662760
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.2
119 31.8 26.0 39.0

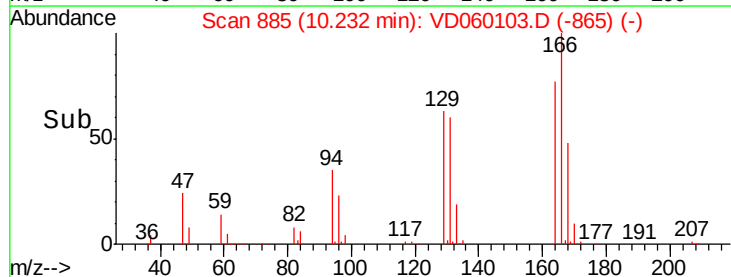
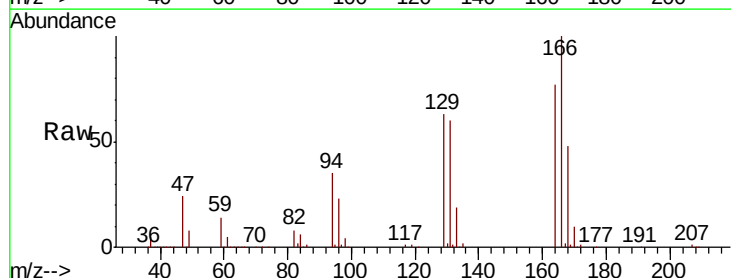
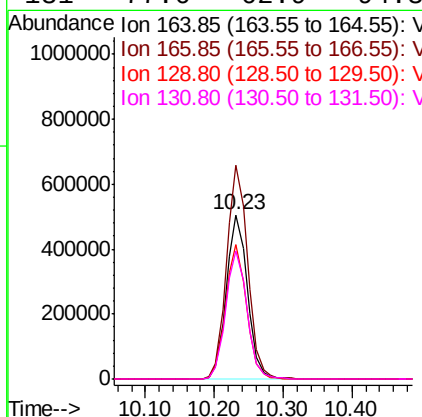
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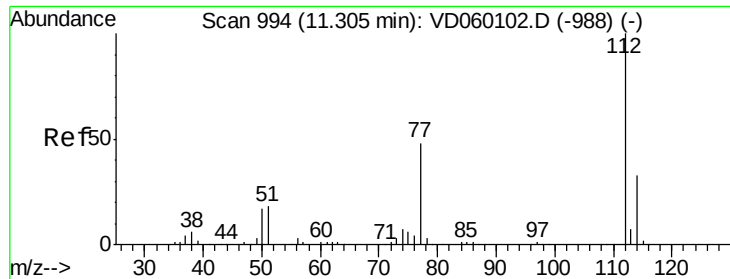
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#64
Tetrachloroethene
Concen: 74.112 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion:164 Resp: 1073311
Ion Ratio Lower Upper
164 100
166 129.9 105.4 158.0
129 82.1 65.7 98.5
131 77.6 62.9 94.3





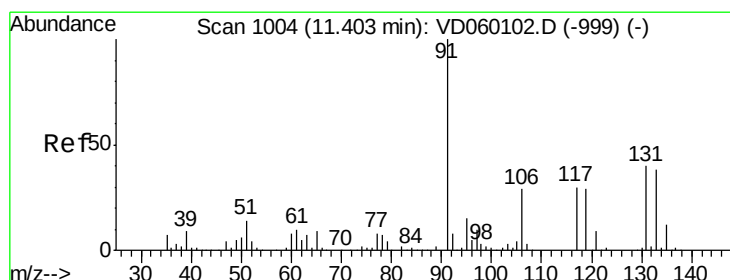
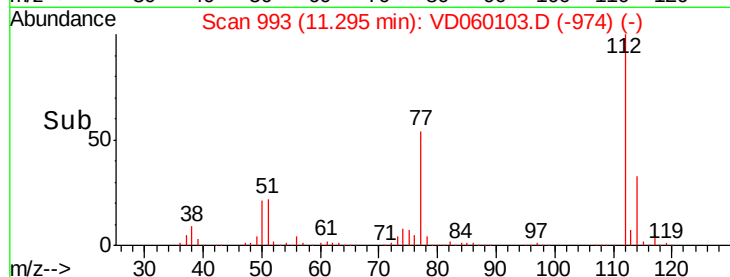
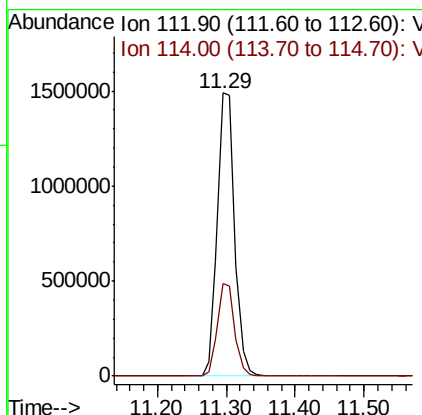
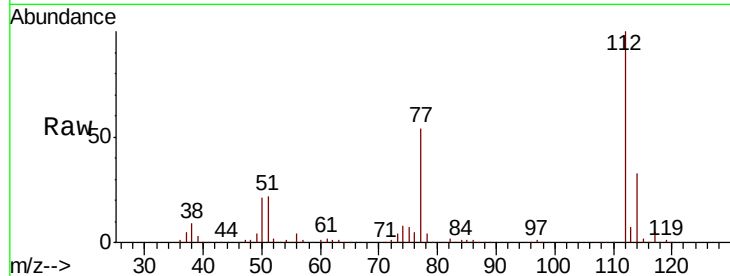
#65
Chlorobenzene
Concen: 73.827 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 2610284
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

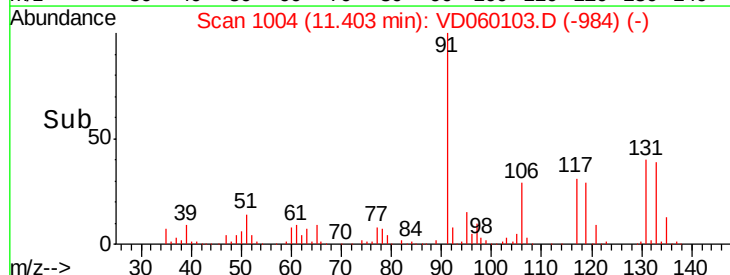
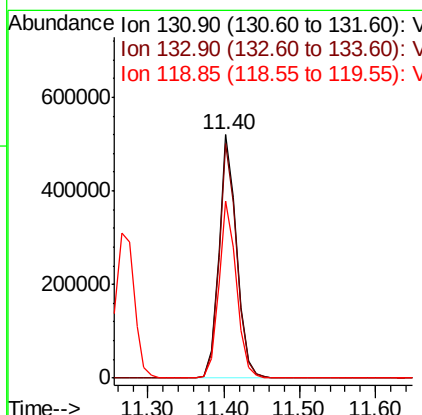
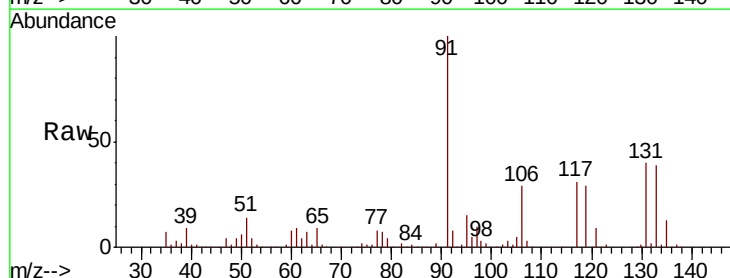
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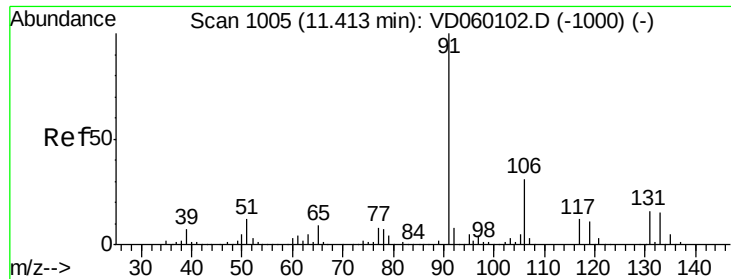
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#66
1,1,1,2-Tetrachloroethane
Concen: 71.659 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion:131 Resp: 852404
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.3
119 72.9 36.1 108.3





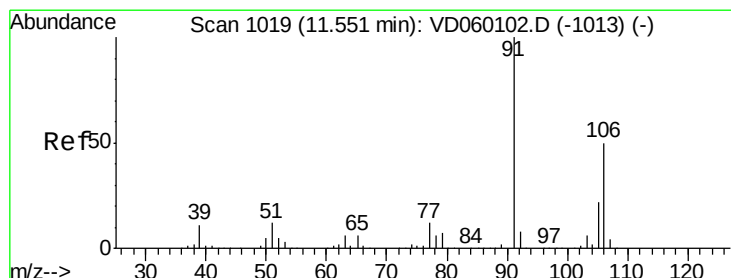
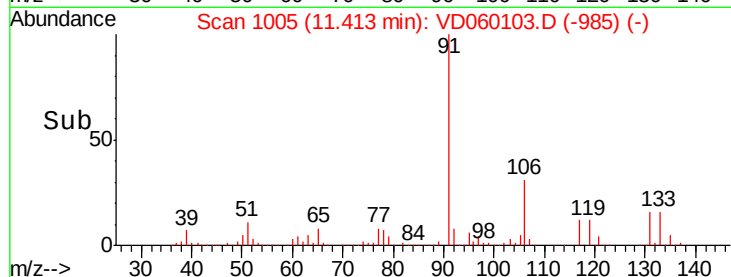
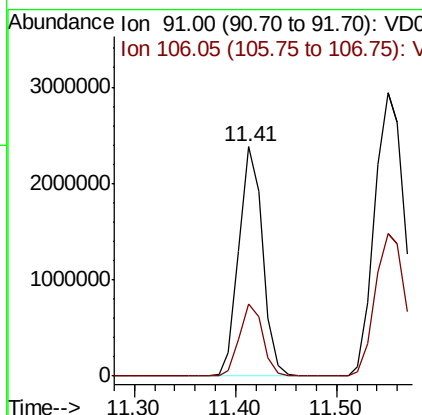
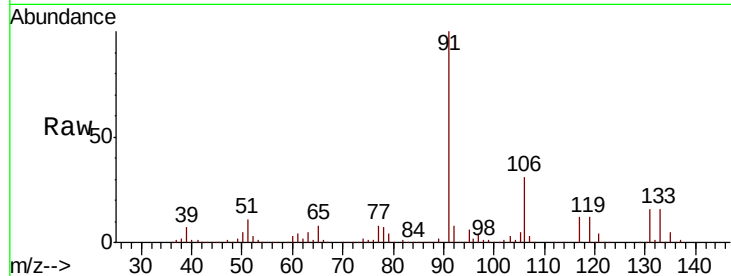
#67
Ethyl Benzene
Concen: 68.728 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 3901746
Ion Ratio Lower Upper
91 100
106 31.3 24.4 36.6

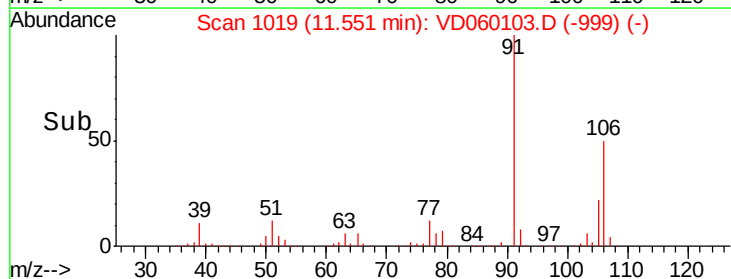
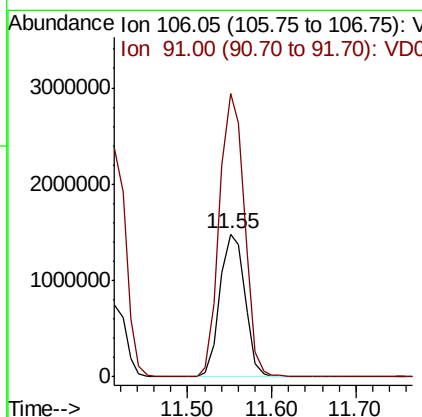
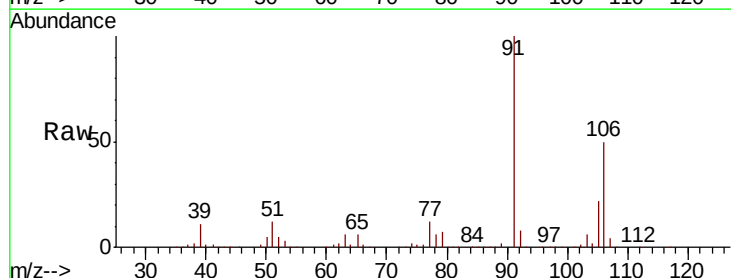
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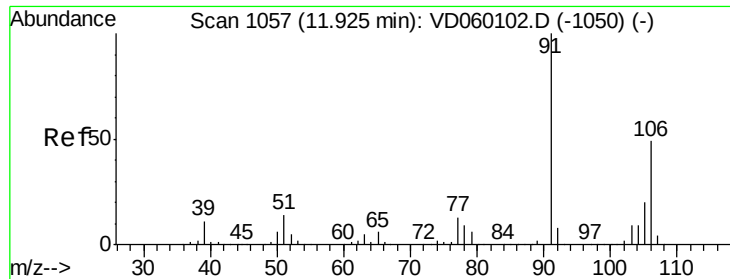
apatel
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#68
m/p-Xylenes
Concen: 146.030 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion: 106 Resp: 3053375
Ion Ratio Lower Upper
106 100
91 198.5 160.0 240.0





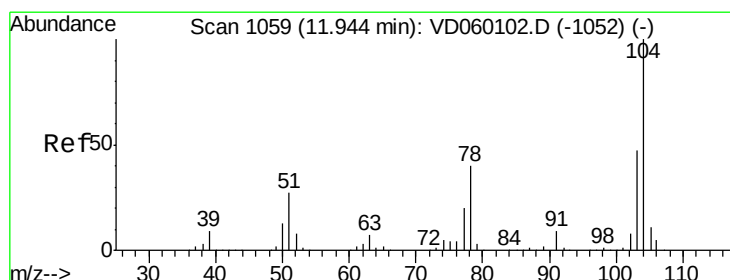
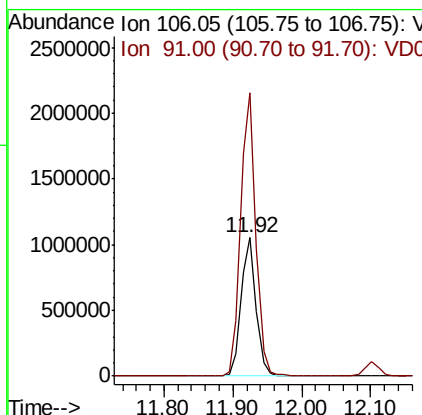
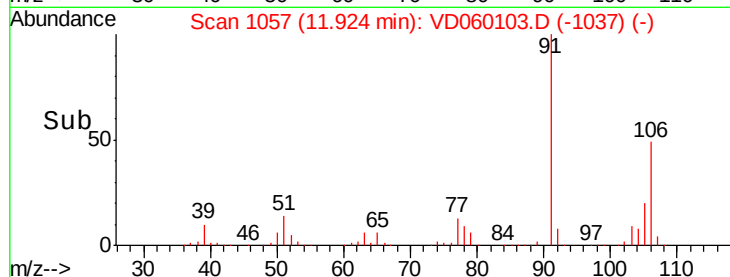
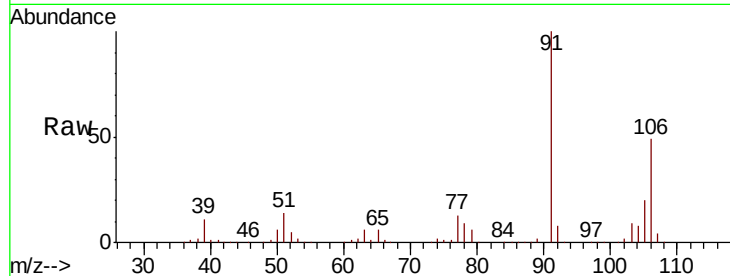
#69
o-Xylene
Concen: 75.321 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 1570610
Ion Ratio Lower Upper
106 100
91 204.9 102.5 307.5

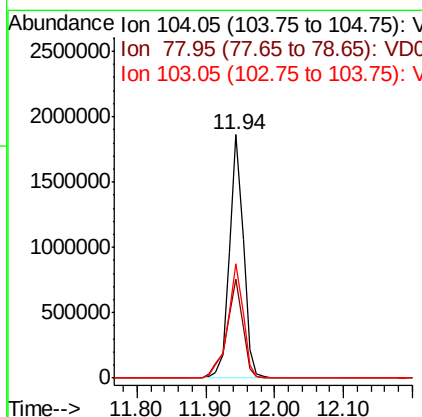
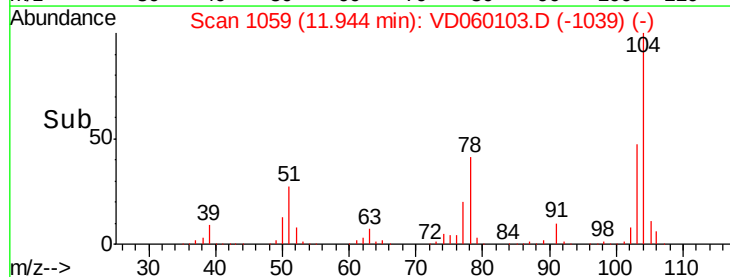
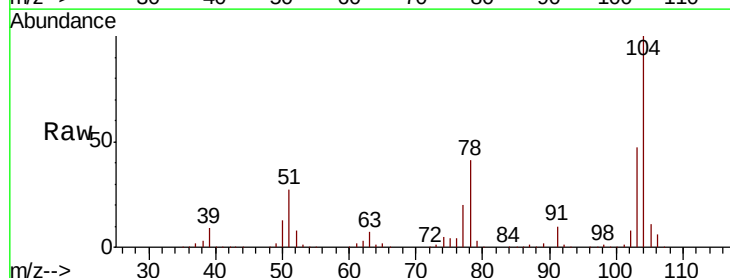
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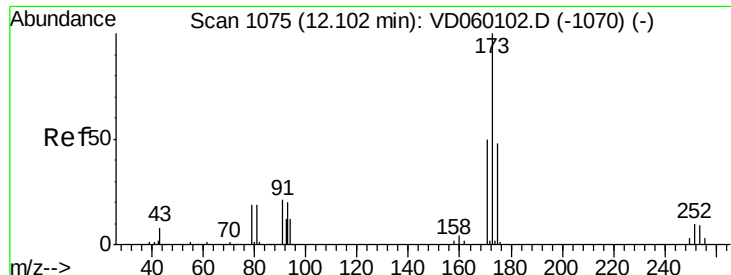
apatel
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#70
Styrene
Concen: 74.549 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion:104 Resp: 2610250
Ion Ratio Lower Upper
104 100
78 40.5 32.2 48.4
103 46.7 37.4 56.0





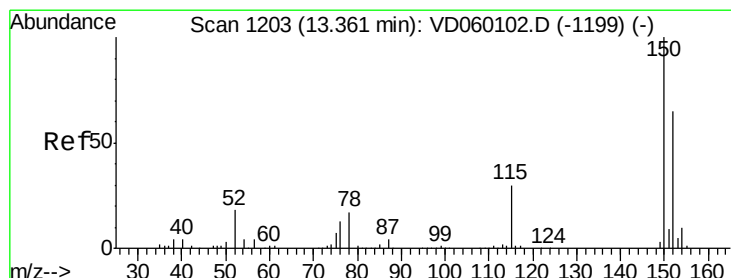
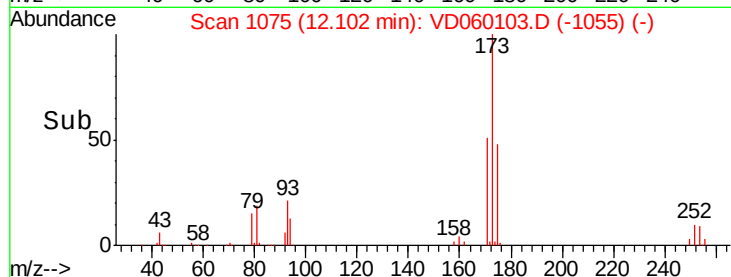
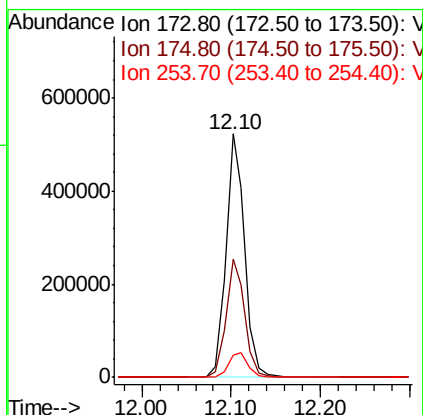
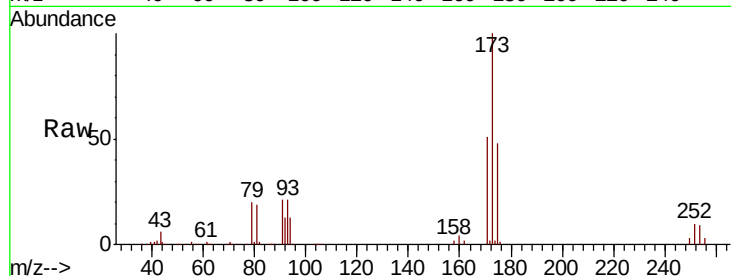
#71
Bromoform
Concen: 75.527 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	9.0	7.4	11.0

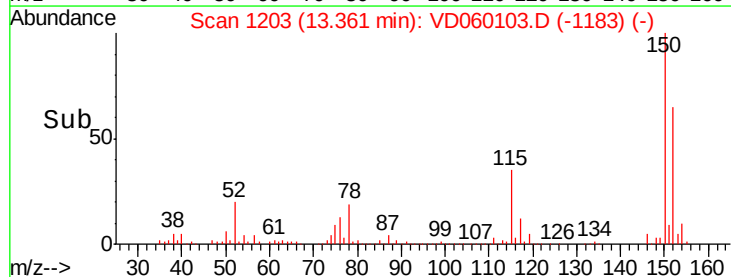
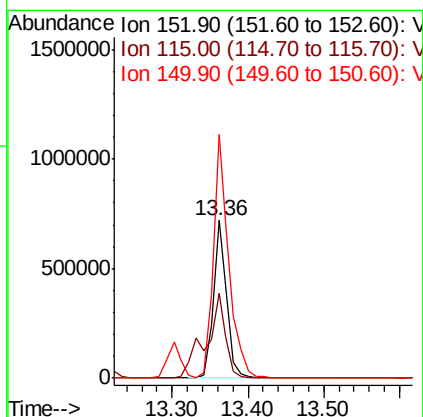
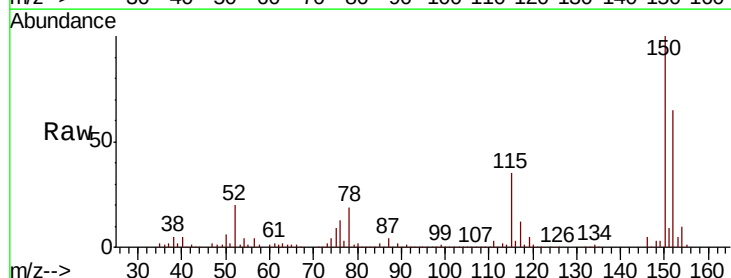
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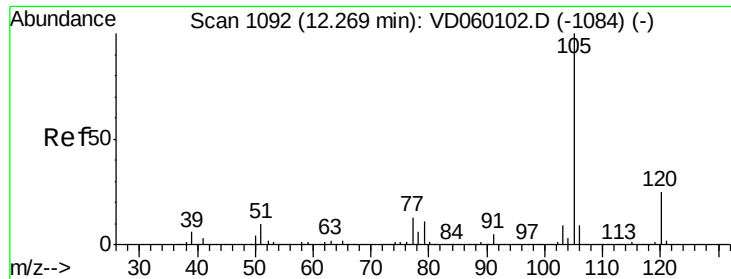
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.1	81.2
150	154.6	0.0	311.8





#73

Isopropylbenzene

Concen: 71.570 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 4168179

Ion Ratio Lower Upper

105 100

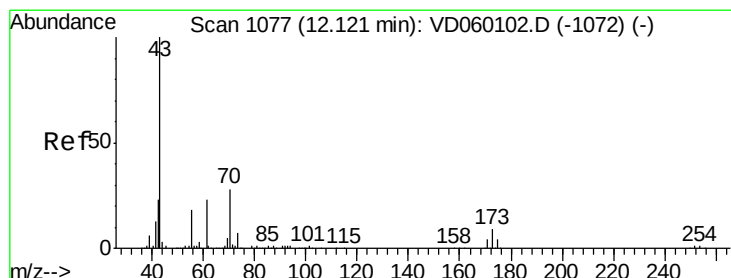
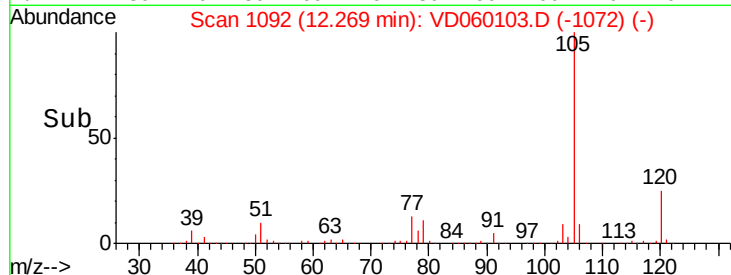
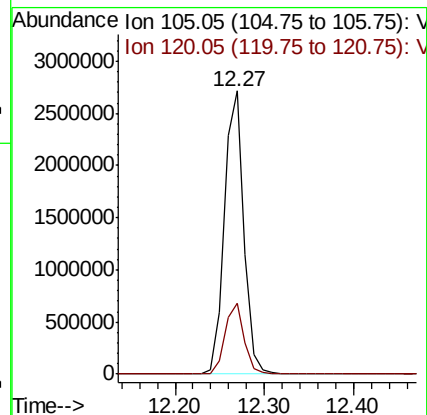
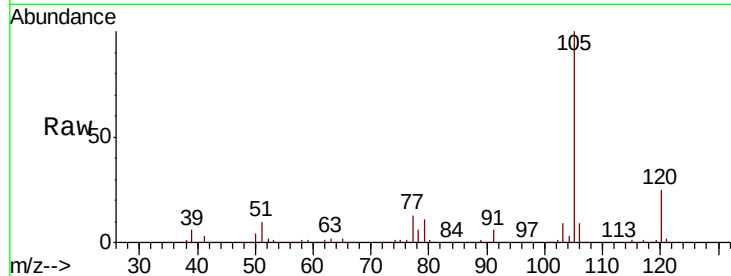
120 25.1 12.6 37.6

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#74

N-ethyl acetate

Concen: 68.779 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Tgt Ion: 43 Resp: 1576545

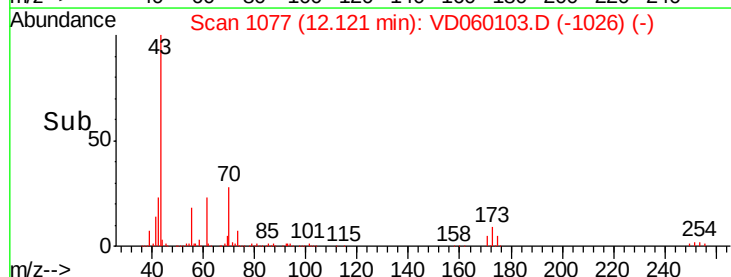
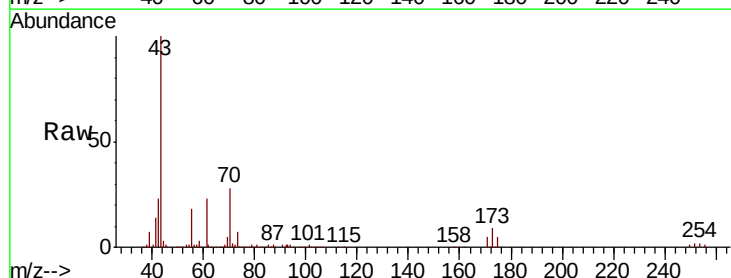
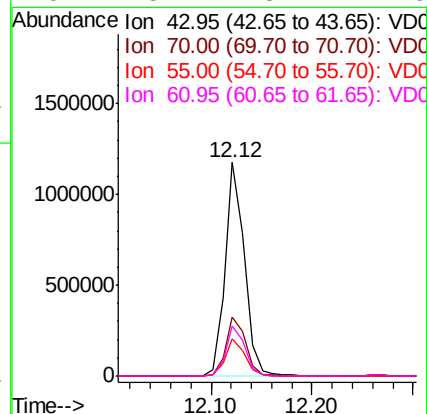
Ion Ratio Lower Upper

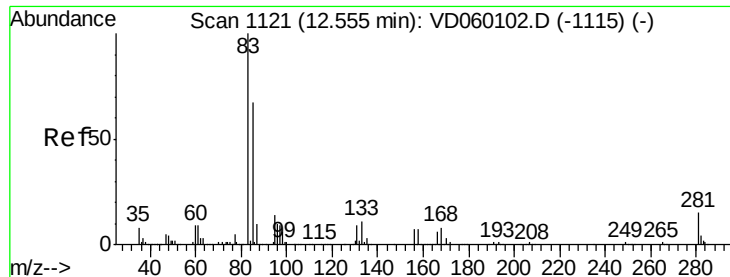
43 100

70 27.6 22.1 33.1

55 17.6 14.1 21.1

61 23.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 69.625 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 919098

Ion Ratio Lower Upper

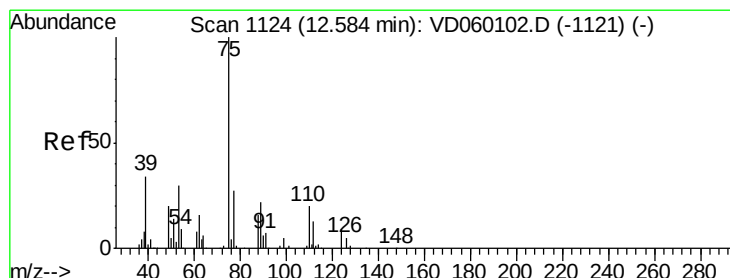
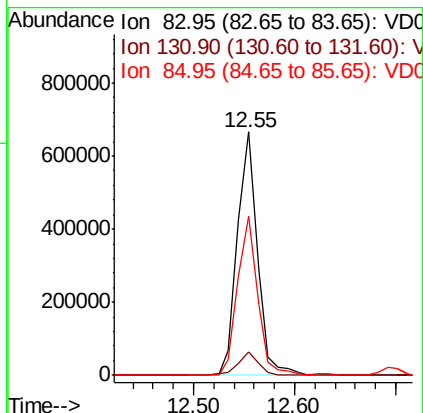
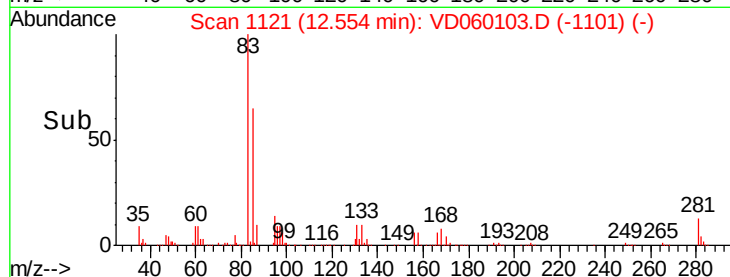
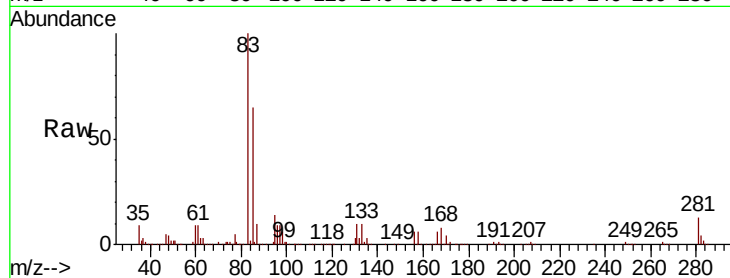
83 100

131 9.5 4.5 13.4

85 65.5 33.3 99.9

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#76

1,2,3-Trichloropropane

Concen: 70.503 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060103.D

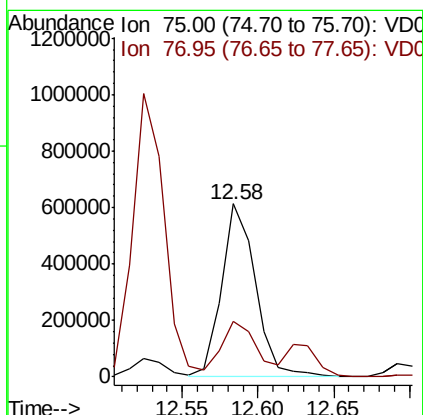
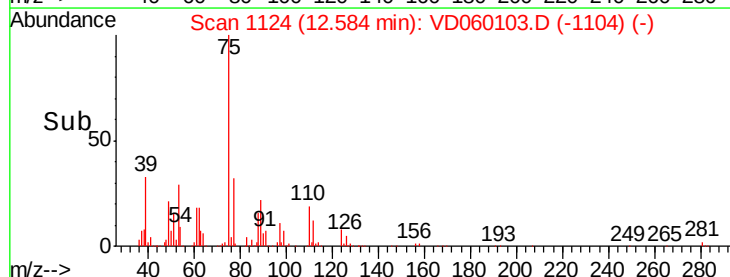
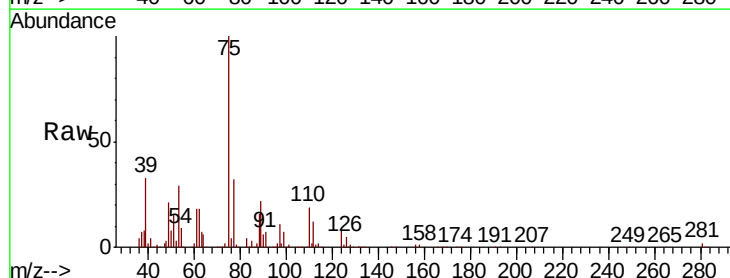
Acq: 1 Oct 2018 18:18

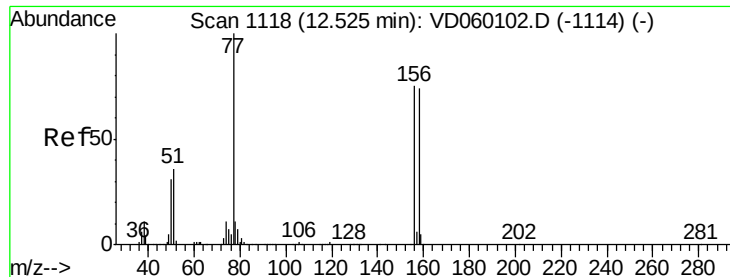
Tgt Ion: 75 Resp: 949711

Ion Ratio Lower Upper

75 100

77 32.3 16.3 48.9





#77

Bromobenzene

Concen: 71.654 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:156 Resp: 1209101

Ion Ratio Lower Upper

156 100

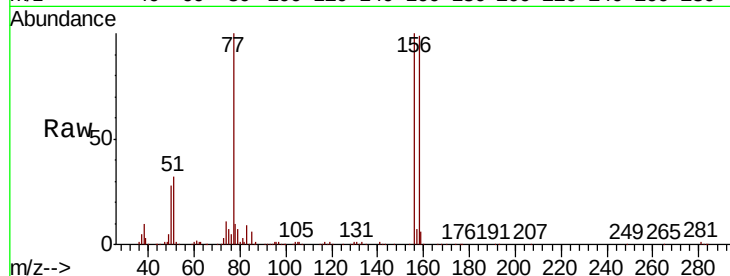
77 100.5 66.9 200.7

158 99.1 49.1 147.4

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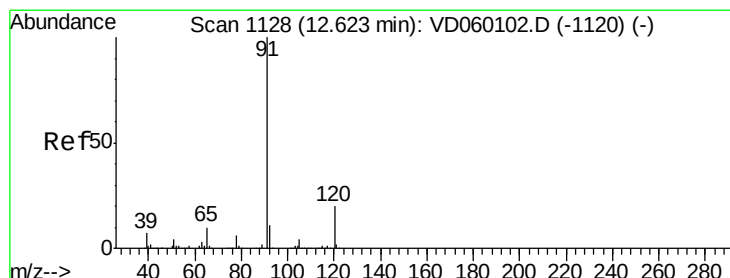
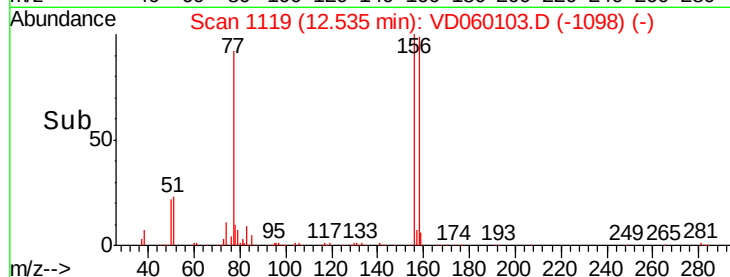
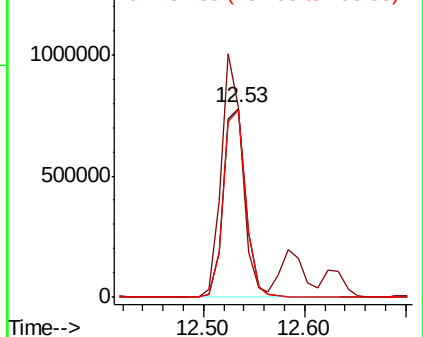
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 67.522 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060103.D

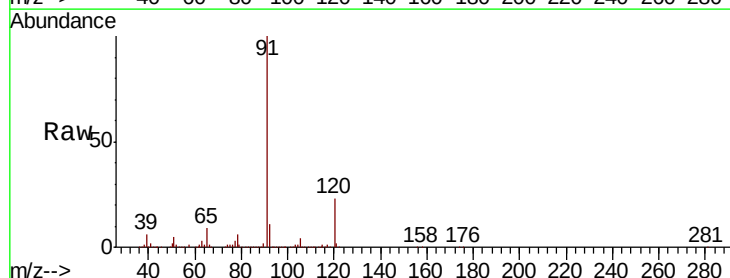
Acq: 1 Oct 2018 18:18

Tgt Ion: 91 Resp: 4929847

Ion Ratio Lower Upper

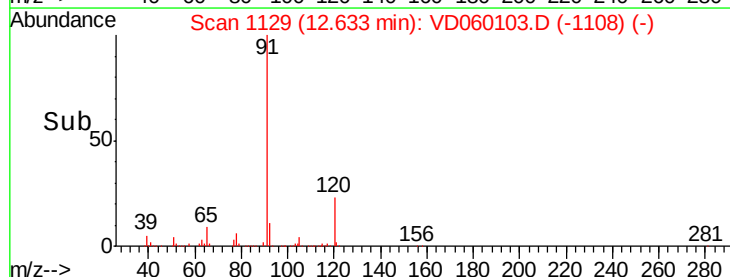
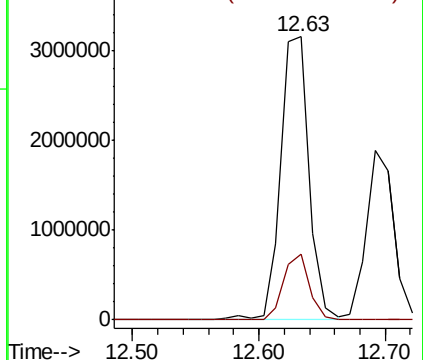
91 100

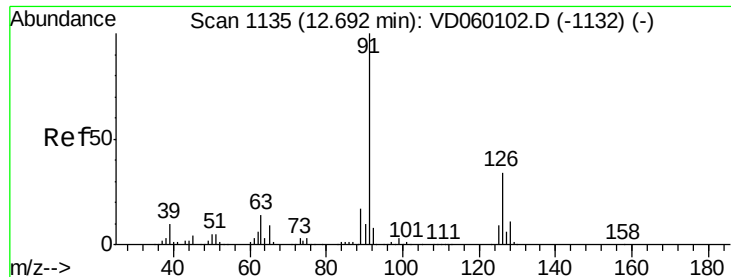
120 23.1 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 68.829 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 2831325

Ion Ratio Lower Upper

91 100

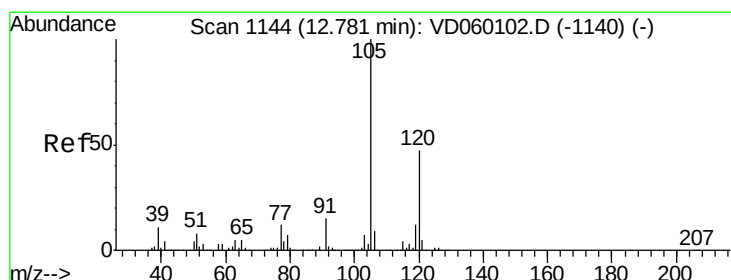
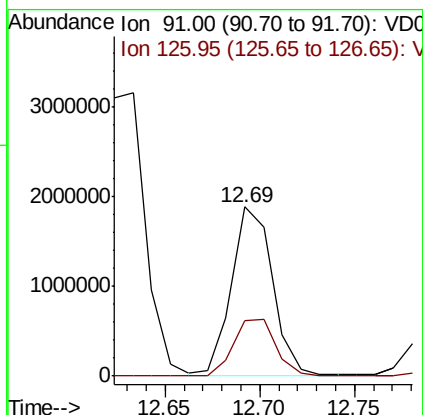
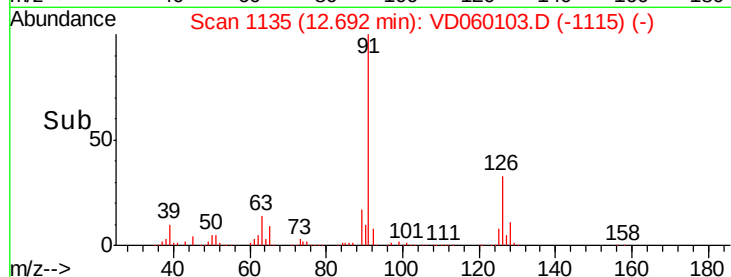
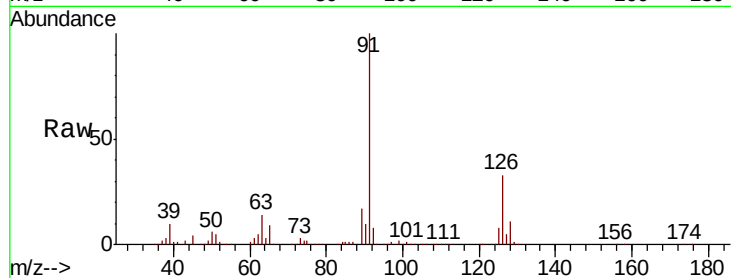
126 33.1 16.8 50.3

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#80

1,3,5-Trimethylbenzene

Concen: 70.186 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060103.D

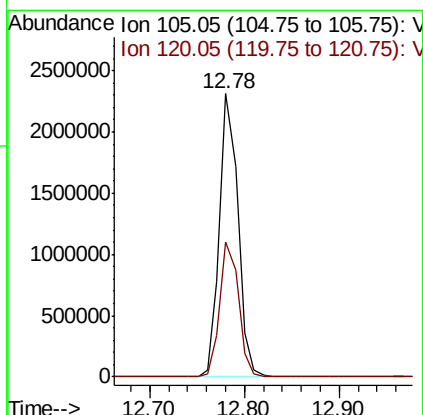
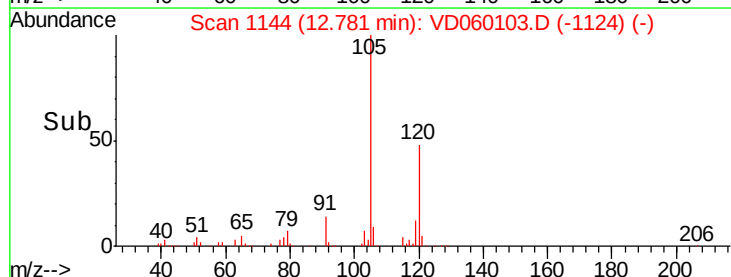
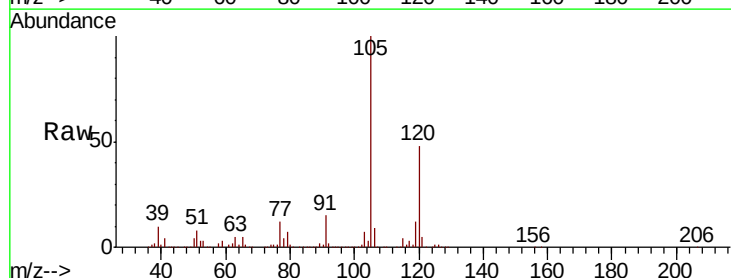
Acq: 1 Oct 2018 18:18

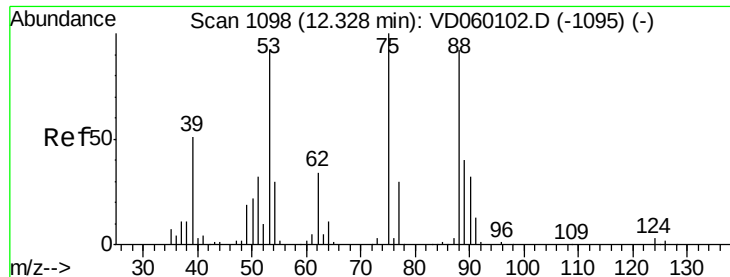
Tgt Ion:105 Resp: 3131457

Ion Ratio Lower Upper

105 100

120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 69.291 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 281259

Ion Ratio Lower Upper

75 100

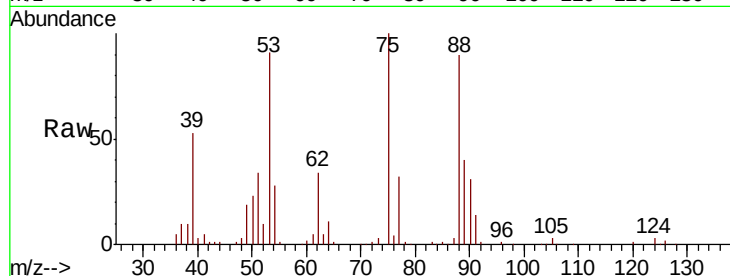
53 90.7 73.0 109.6

89 40.3 32.0 48.0

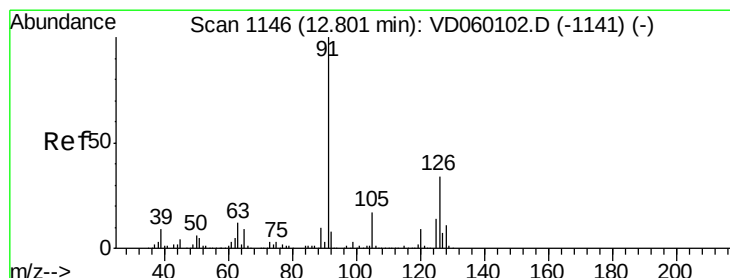
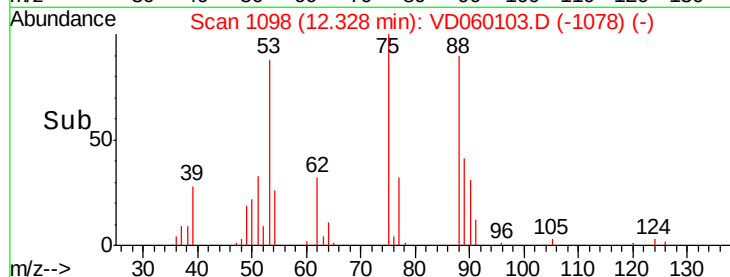
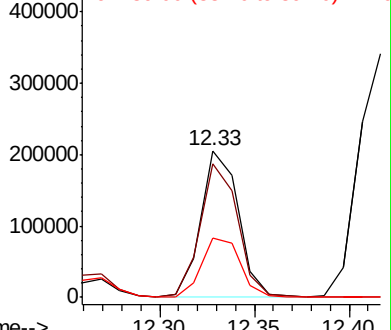
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 68.881 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060103.D

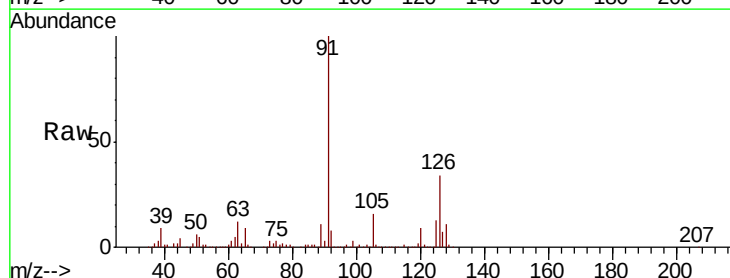
Acq: 1 Oct 2018 18:18

Tgt Ion: 91 Resp: 3115494

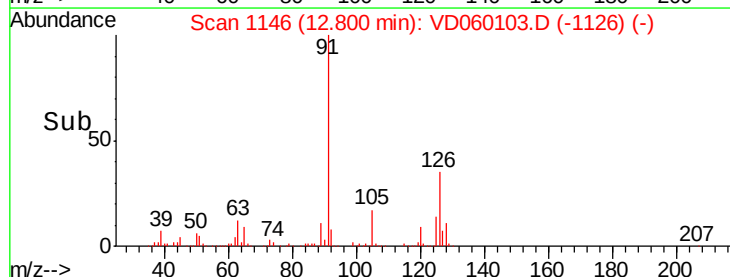
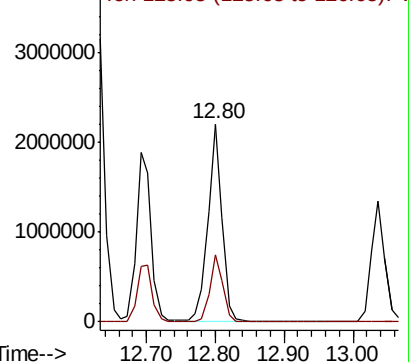
Ion Ratio Lower Upper

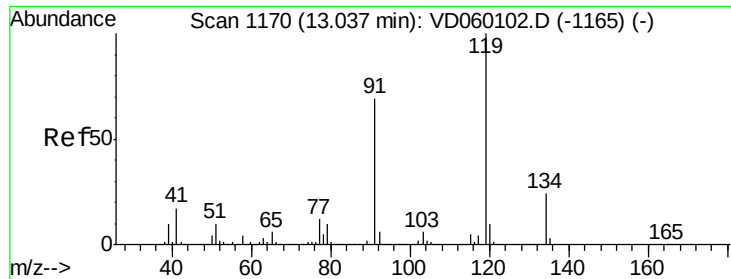
91 100

126 34.2 17.1 51.2



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





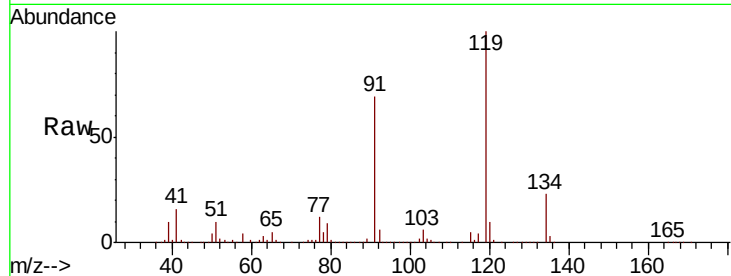
#83
 tert-Butylbenzene
 Concen: 71.265 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

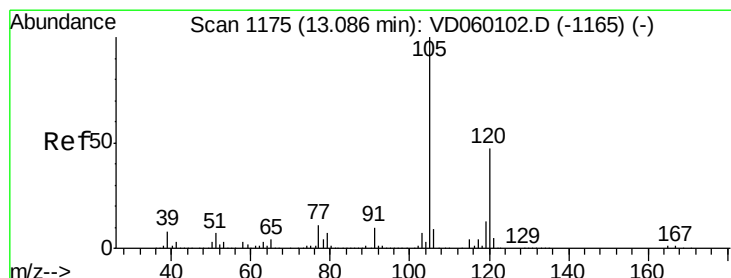
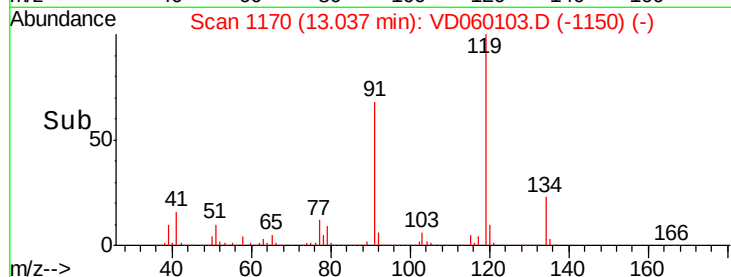
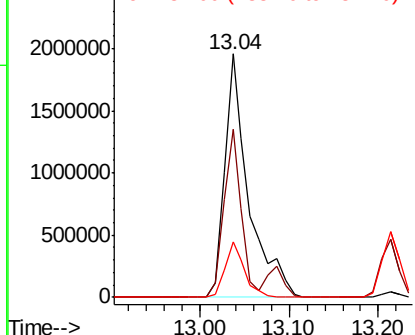
Tot Ion:119 Resp: 3691459
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.8 104.4
 134 22.7 11.8 35.4

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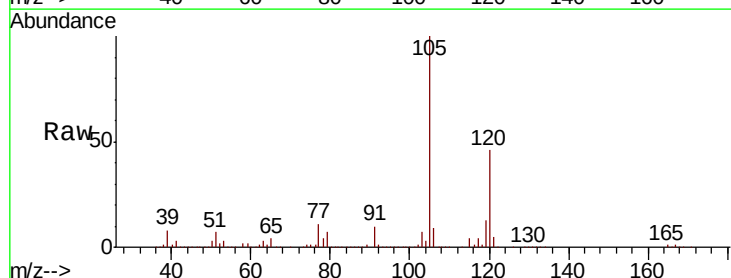


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

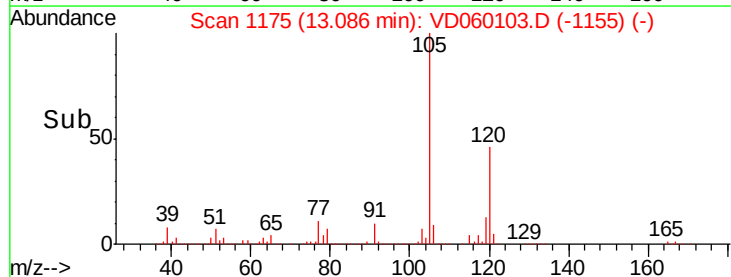
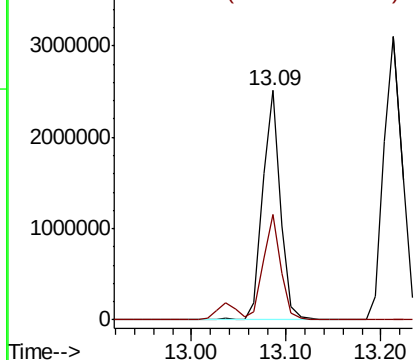


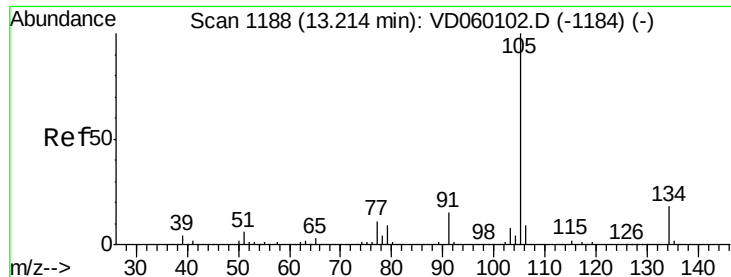
#84
 1,2,4-Trimethylbenzene
 Concen: 69.031 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion:105 Resp: 3296855
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





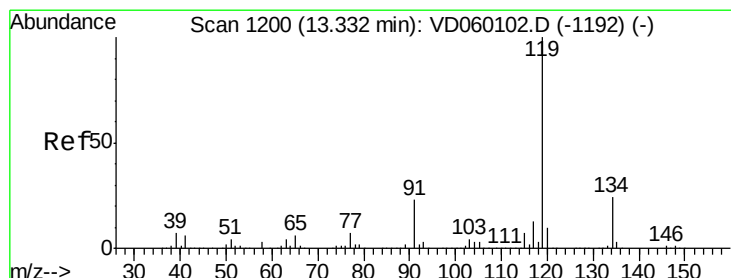
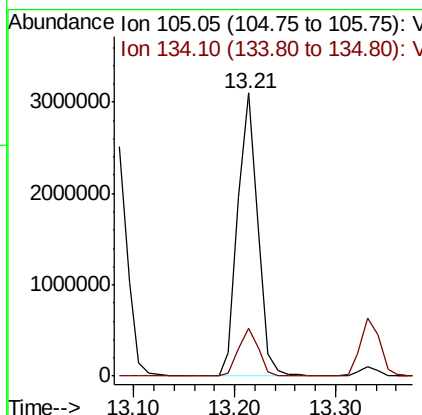
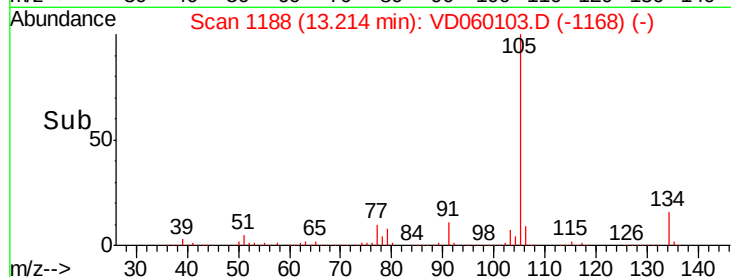
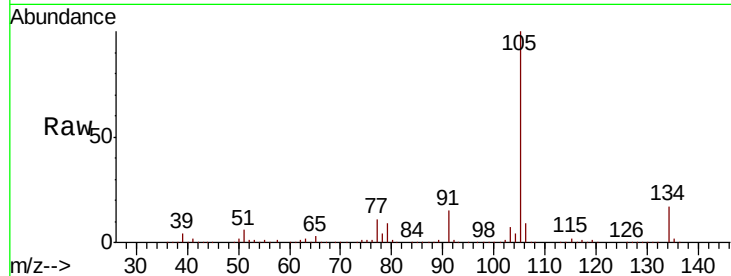
#85
 sec-Butylbenzene
 Concen: 69.219 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 4231018
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.8 26.2

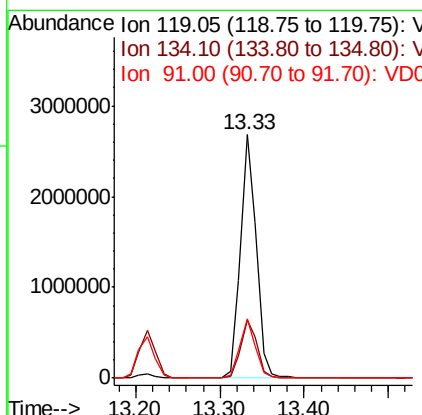
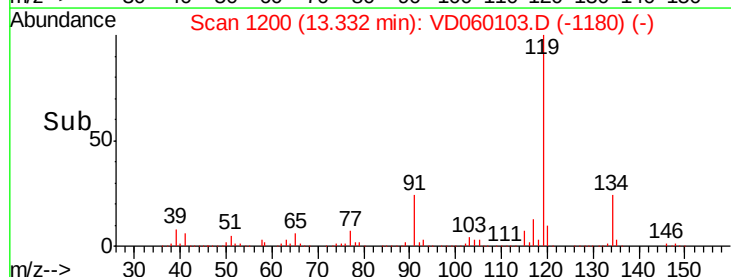
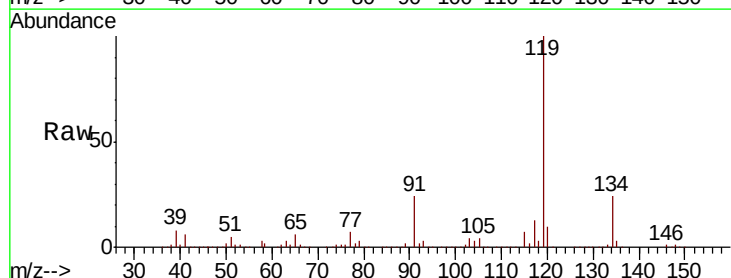
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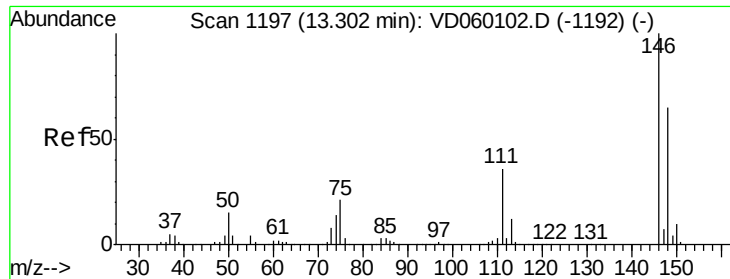
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#86
 p-Isopropyltoluene
 Concen: 70.768 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion:119 Resp: 3500963
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.3 36.8
 91 24.2 11.8 35.4





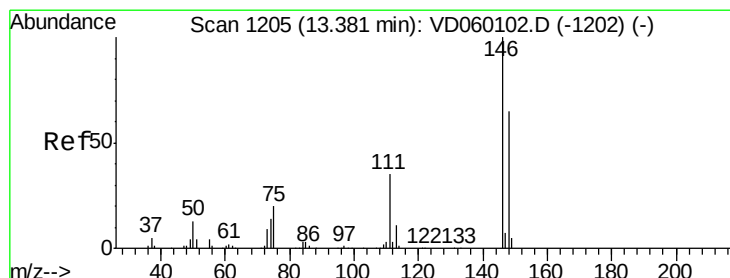
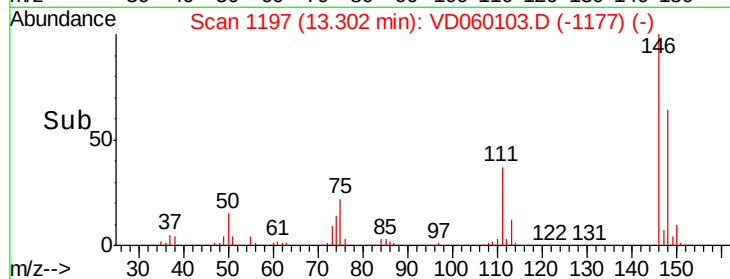
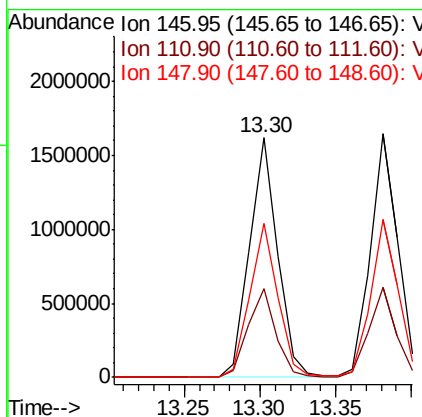
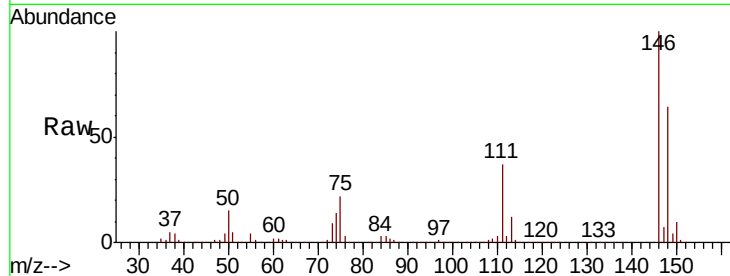
#87
 1,3-Dichlorobenzene
 Concen: 71.653 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.3
148	64.5	32.3	96.9

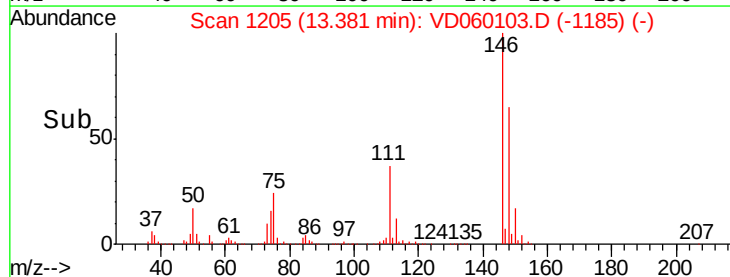
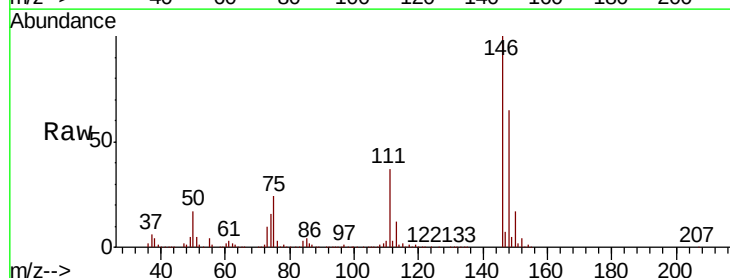
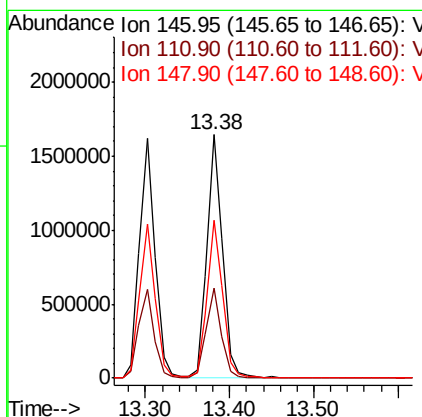
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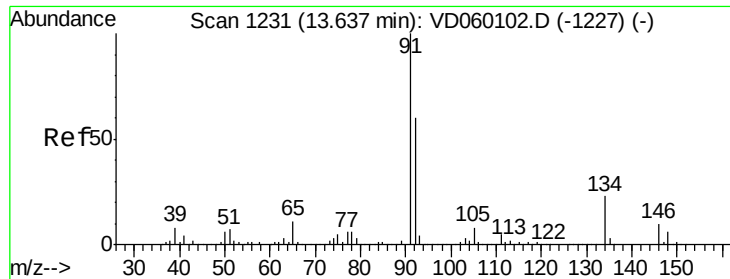
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#88
 1,4-Dichlorobenzene
 Concen: 71.021 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.8	53.3
148	64.6	32.4	97.2





#89

n-Butylbenzene

Concen: 68.883 ug/l

RT: 13.64 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD060103.D

Acq: 1 Oct 2018 18:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 3319534

Ion Ratio Lower Upper

91 100

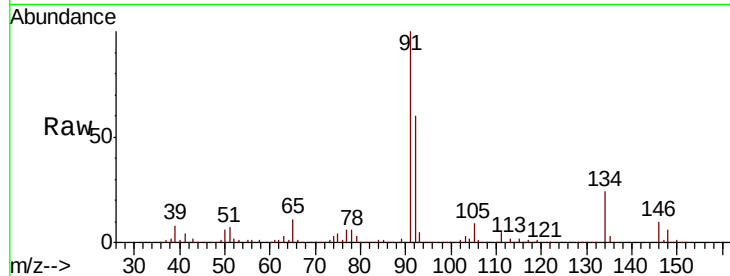
92 60.3 30.1 90.3

134 24.2 11.6 34.7

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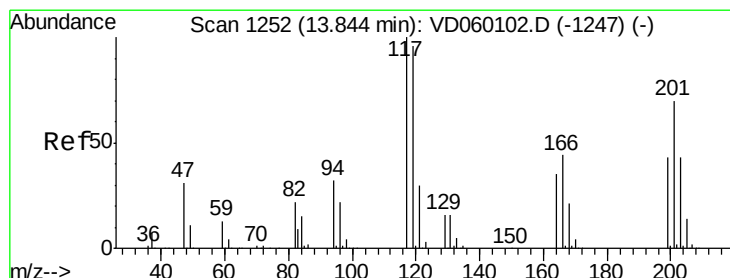
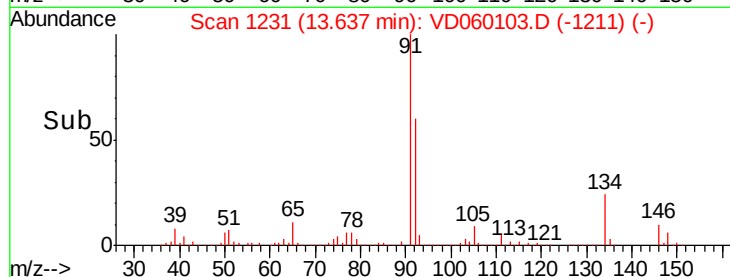
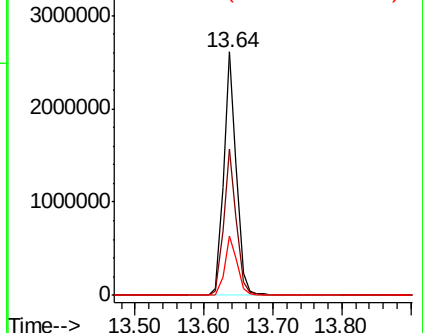
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 74.337 ug/l

RT: 13.85 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VD060103.D

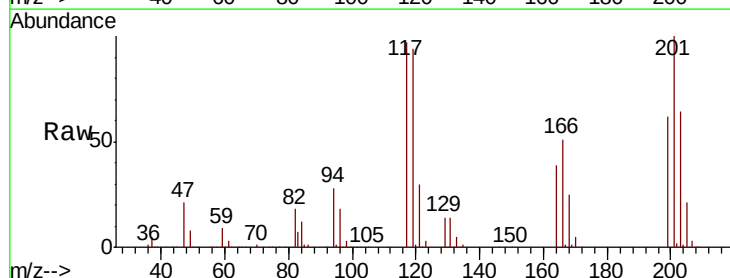
Acq: 1 Oct 2018 18:18

Tgt Ion: 117 Resp: 909397

Ion Ratio Lower Upper

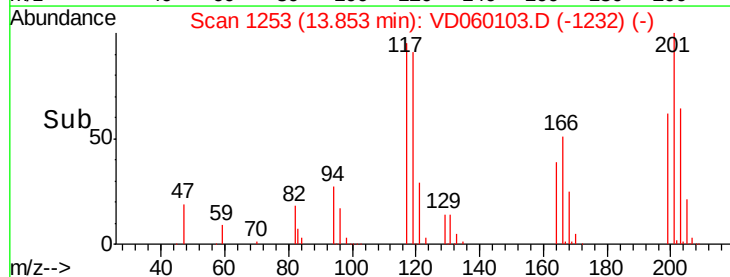
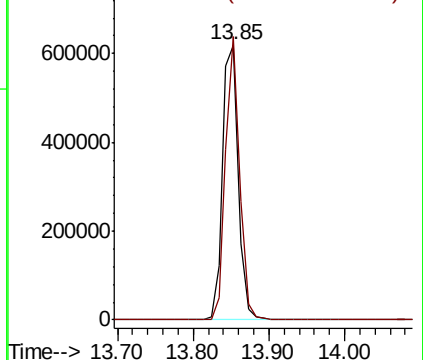
117 100

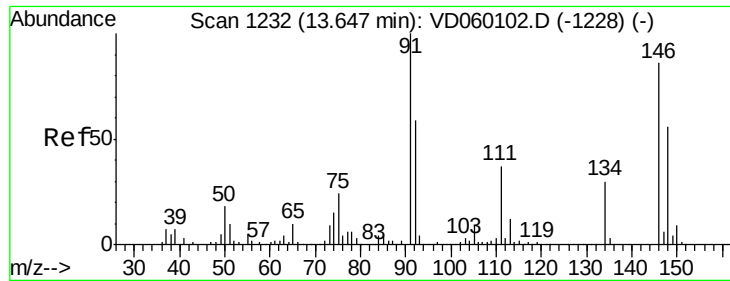
201 103.0 34.8 104.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





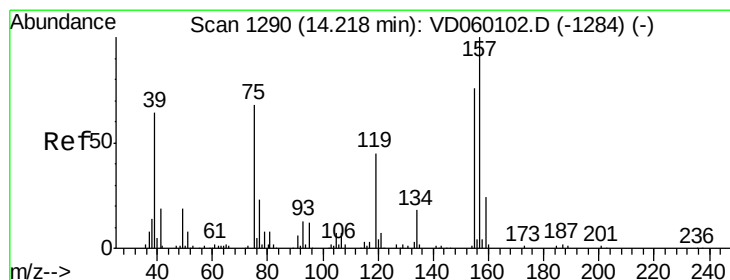
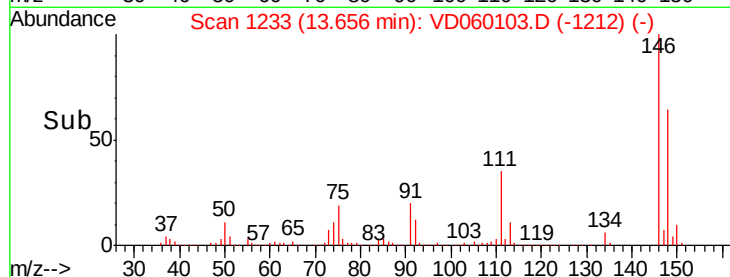
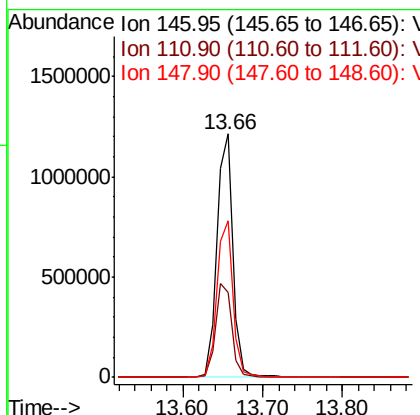
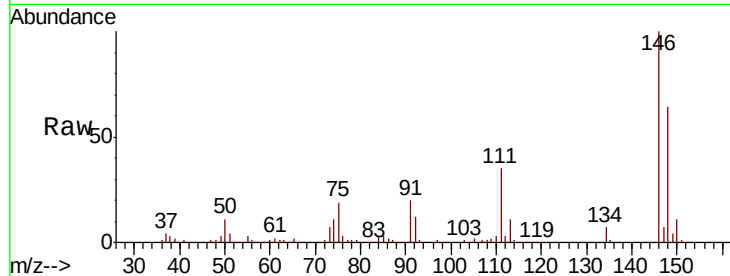
#91
 1,2-Dichlorobenzene
 Concen: 70.770 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1710613
 Ion Ratio Lower Upper
 146 100
 111 34.7 21.4 64.3
 148 64.4 32.2 96.6

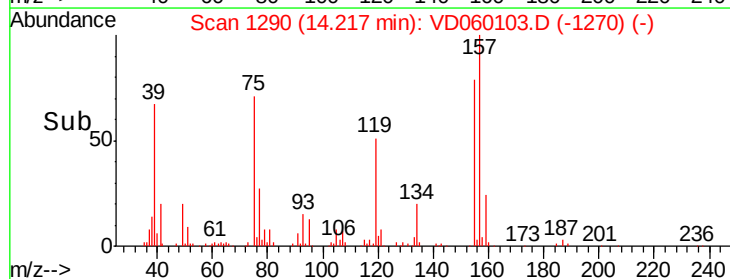
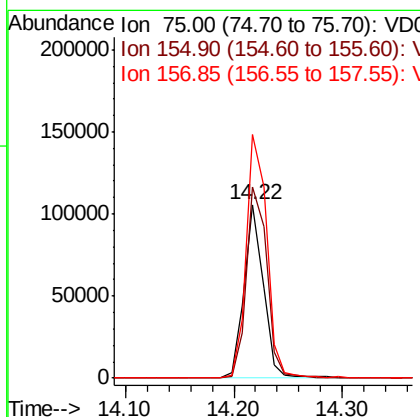
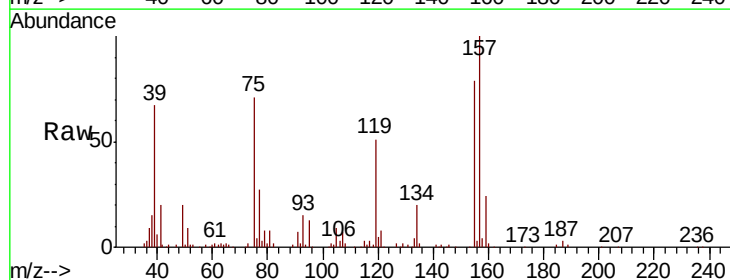
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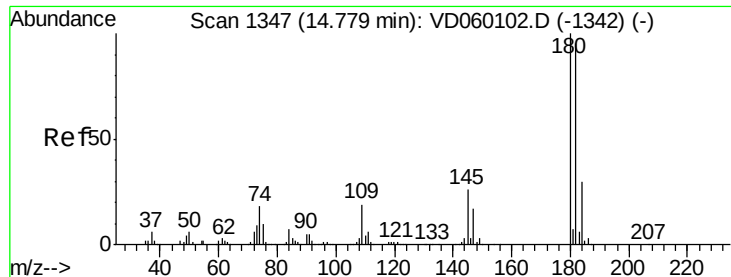
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.888 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion: 75 Resp: 130841
 Ion Ratio Lower Upper
 75 100
 155 110.1 55.9 167.7
 157 140.1 73.3 219.8





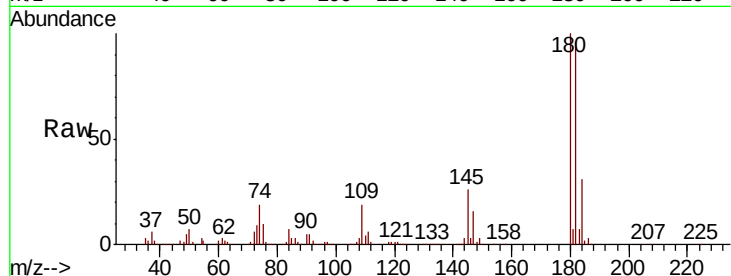
#93
 1,2,4-Trichlorobenzene
 Concen: 73.274 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

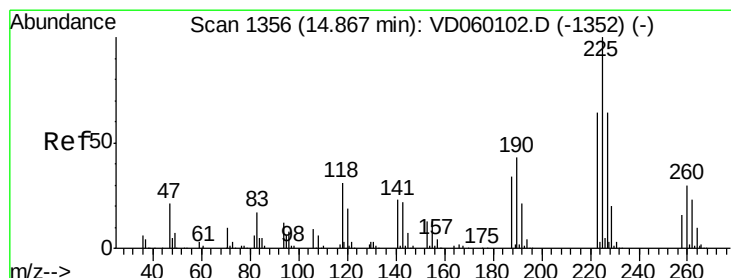
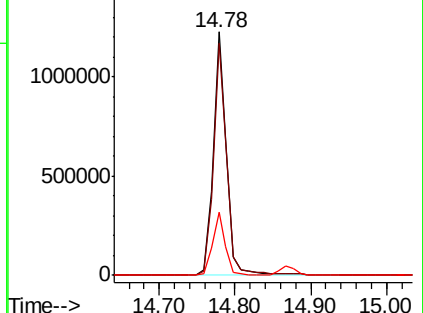
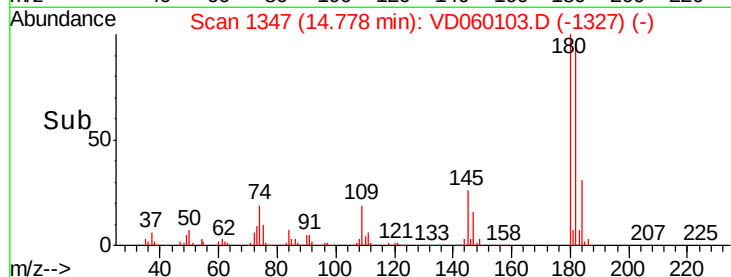
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.8
145	25.8	13.0	38.9

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:20 PM

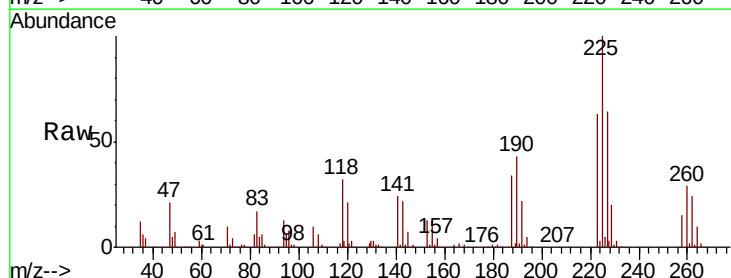


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

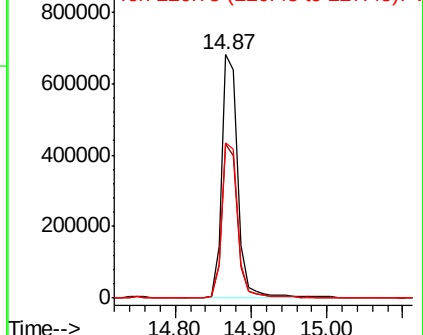
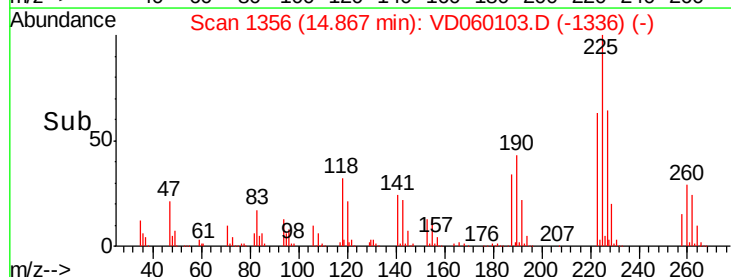


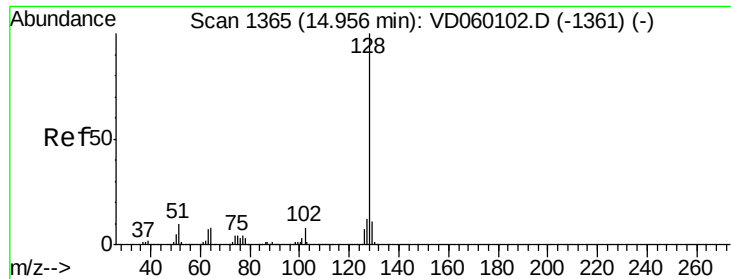
#94
 Hexachlorobutadiene
 Concen: 73.929 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060103.D
 Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.8	95.4
227	63.7	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





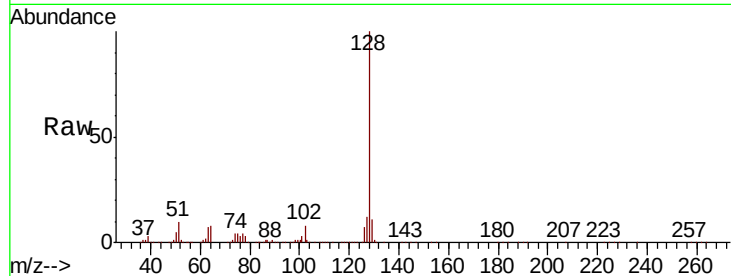
#95
Naphthalene
Concen: 72.428 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	11.1	8.8	13.2

Manual Integrations
APPROVED

apatel
10/2/2018 12:31:20 PM

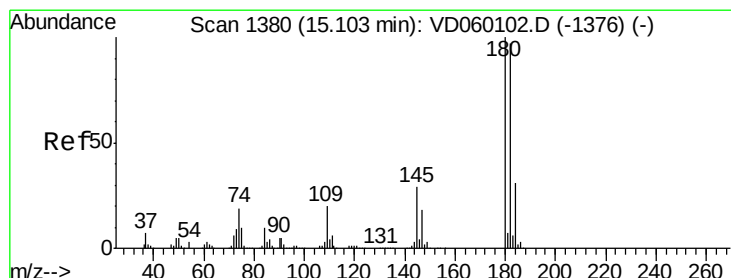
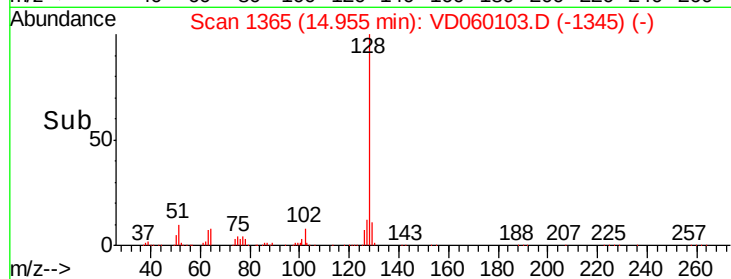
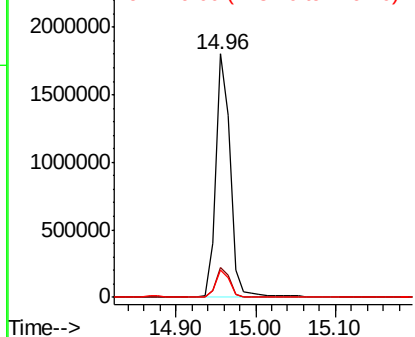


Abundance

Ion 128.00 (127.70 to 128.70): V

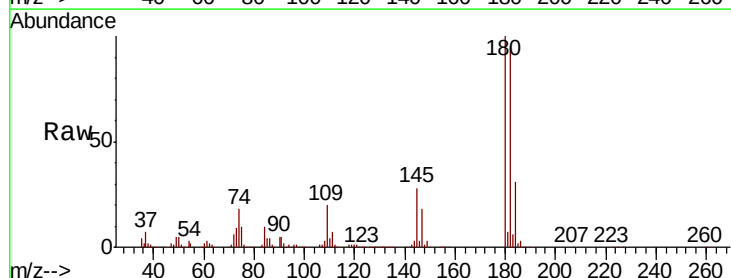
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 74.082 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060103.D
Acq: 1 Oct 2018 18:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.0
145	28.0	14.5	43.6



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

