

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060116.D
 Acq On : 3 Oct 2018 14:13
 Operator : VA/AP
 Sample : VD1003SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Manual Integrations
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 10/4/2018 4:44:52 PM

Quant Time: Oct 04 04:44:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1563201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2166742	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1820132	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	923781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	659645	55.67	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	6.31	113	878615	53.40	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	9.45	98	2511232	53.52	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.04%	
62) 4-Bromofluorobenzene	12.43	95	941713	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	290887	19.782	ug/l	98
3) Chloromethane	1.75	50	302622	22.823	ug/l	96
4) Vinyl Chloride	1.85	62	229363	21.137	ug/l	96
5) Bromomethane	2.12	94	19959	14.649	ug/l	88
6) Chloroethane	2.23	64	50675	17.113	ug/l #	88
7) Trichlorofluoromethane	2.49	101	254416	19.581	ug/l	97
8) Diethyl Ether	2.81	74	56937	21.311	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	175540	21.687	ug/l	98
10) Methyl Iodide	3.23	142	141867	16.527	ug/l	93
11) Tert butyl alcohol	3.97	59	89816	105.689	ug/l	98
12) 1,1-Dichloroethene	3.06	96	140104	21.971	ug/l	93
13) Acrolein	2.97	56	58537	111.740	ug/l	96
14) Allyl chloride	3.52	41	283718	21.423	ug/l	96
15) Acrylonitrile	4.07	53	396788	112.804	ug/l	100
16) Acetone	3.15	43	253378	117.845	ug/l	99
17) Carbon Disulfide	3.29	76	459691	21.437	ug/l	98
18) Methyl Acetate	3.54	43	100324	21.709	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	620558	22.134	ug/l	98
20) Methylene Chloride	3.71	84	609831	34.719	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	349790	21.239	ug/l	96
22) Diisopropyl ether	4.84	45	1301370	22.003	ug/l	92
23) Vinyl Acetate	4.79	43	3780029	113.698	ug/l	99
24) 1,1-Dichloroethane	4.74	63	574164	21.410	ug/l	100
25) 2-Butanone	5.62	43	619674	115.364	ug/l	97
26) 2,2-Dichloropropane	5.58	77	445984	21.937	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	375584	21.525	ug/l	94
28) Bromochloromethane	5.91	49	271313	20.819	ug/l	95
29) Tetrahydrofuran	5.94	42	349142	111.904	ug/l	99
30) Chloroform	6.09	83	592898	21.856	ug/l	97
31) Cyclohexane	6.35	56	525922	20.487	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	475168	21.380	ug/l	99
36) 1,1-Dichloropropene	6.51	75	441130	21.305	ug/l	99
37) Ethyl Acetate	5.68	43	309514	22.521	ug/l	97
38) Carbon Tetrachloride	6.49	117	403740	21.484	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	513830	21.842	ug/l	100
40) Benzene	6.79	78	1150004	21.230	ug/l	100
41) Methacrylonitrile	5.92	41	143917m	18.527	ug/l	
42) 1,2-Dichloroethane	6.88	62	327360	21.079	ug/l	100
43) Isopropyl Acetate	8.34	43	387125	21.411	ug/l #	99
44) Trichloroethene	7.73	130	356911	21.285	ug/l	96
45) 1,2-Dichloropropane	8.10	63	303696	21.412	ug/l	98
46) Dibromomethane	8.21	93	198663	21.635	ug/l	96
47) Bromodichloromethane	8.49	83	424685	21.706	ug/l	99
48) Methyl methacrylate	8.24	41	228053	22.143	ug/l	96
49) 1,4-Dioxane	8.22	88	45362	447.645	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	1265309	110.952	ug/l	99
52) Toluene	9.54	92	757802	21.722	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	388472	21.943	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	469478	21.475	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	257970	22.620	ug/l	97
56) Ethyl methacrylate	10.02	69	285814	22.703	ug/l	96
57) 1,3-Dichloropropane	10.38	76	381914	21.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	766752	109.679	ug/l	93
59) 2-Hexanone	10.49	43	991558	120.915	ug/l	98
60) Dibromochloromethane	10.63	129	307933	22.006	ug/l	96
61) 1,2-Dibromoethane	10.75	107	258028	21.293	ug/l	98
64) Tetrachloroethene	10.25	164	332928	20.884	ug/l	97
65) Chlorobenzene	11.31	112	831667	21.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	282936	21.539	ug/l	98
67) Ethyl Benzene	11.42	91	1401865	21.974	ug/l	98
68) m/p-Xylenes	11.56	106	1024713	42.989	ug/l	98
69) o-Xylene	11.93	106	508040	21.548	ug/l	98
70) Styrene	11.95	104	846512	21.469	ug/l	99
71) Bromoform	12.11	173	217951	20.490	ug/l	99
73) Isopropylbenzene	12.28	105	1363158	22.368	ug/l	100
74) N-amyl acetate	12.13	43	508775	22.791	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	307300	23.097	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	304471	22.886	ug/l	97
77) Bromobenzene	12.54	156	395261	22.319	ug/l	81
78) n-propylbenzene	12.63	91	1716906	22.688	ug/l	99
79) 2-Chlorotoluene	12.70	91	917627	21.848	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1099417	23.309	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	80881	21.637	ug/l	94
82) 4-Chlorotoluene	12.81	91	1111979	23.408	ug/l	100
83) tert-Butylbenzene	13.05	119	1217438	22.492	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1105450	22.237	ug/l	100
85) sec-Butylbenzene	13.22	105	1440425	22.507	ug/l	98
86) p-Isopropyltoluene	13.34	119	1207367	23.001	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	702191	22.758	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	683695	22.060	ug/l	99
89) n-Butylbenzene	13.65	91	1249123	24.388	ug/l	99
90) Hexachloroethane	13.85	117	266247	21.916	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	613354	23.642	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	39075	21.996	ug/l	99

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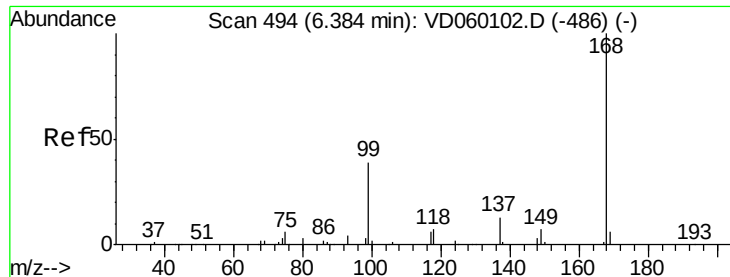
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	486255	22.081	ug/l	97
94) Hexachlorobutadiene	14.88	225	316186	21.601	ug/l	99
95) Naphthalene	14.96	128	699099	21.417	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	414341	21.630	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:168 Resp: 1563201

Ion Ratio Lower Upper

168 100

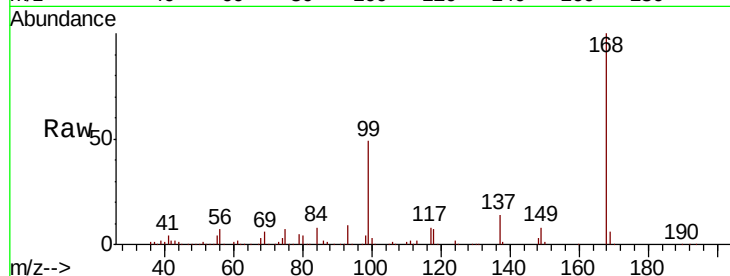
99 48.8 35.4 53.0

Manual Integrations

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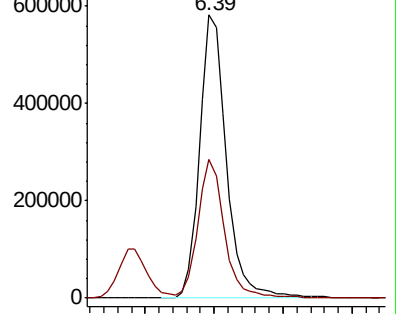
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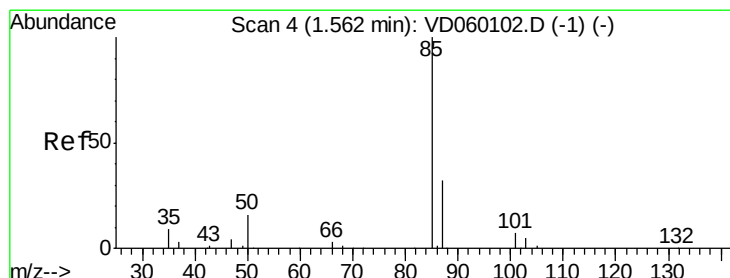
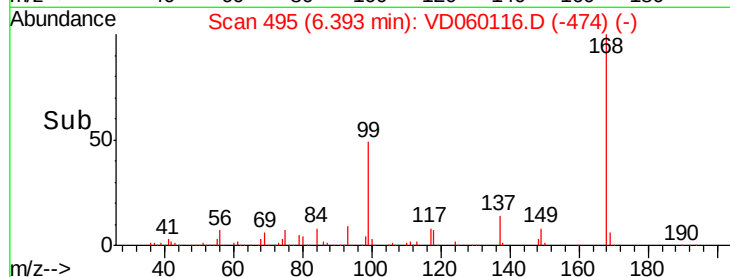


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



Time-->



#2

Dichlorodifluoromethane

Concen: 19.782 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060116.D

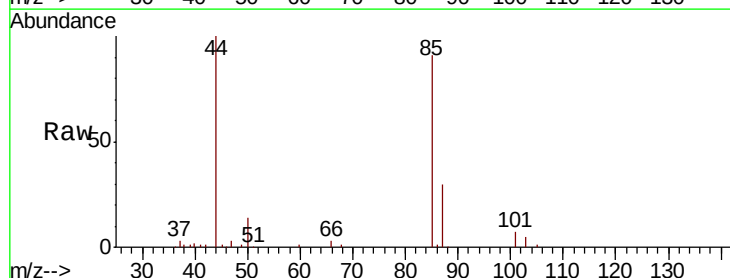
Acq: 3 Oct 2018 14:13

Tgt Ion: 85 Resp: 290887

Ion Ratio Lower Upper

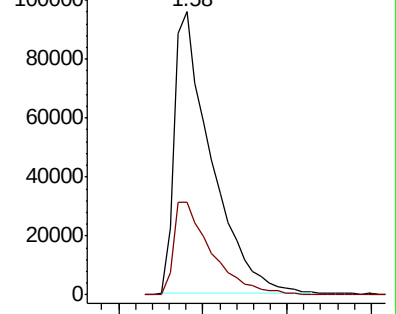
85 100

87 32.8 15.9 47.6

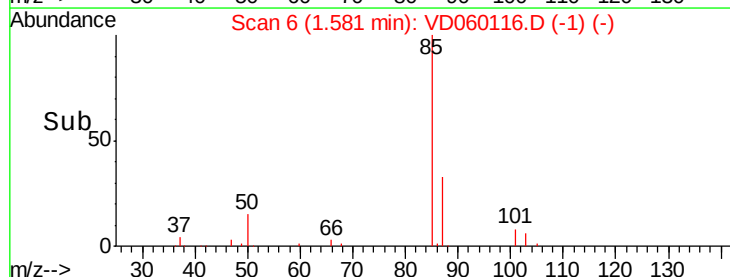


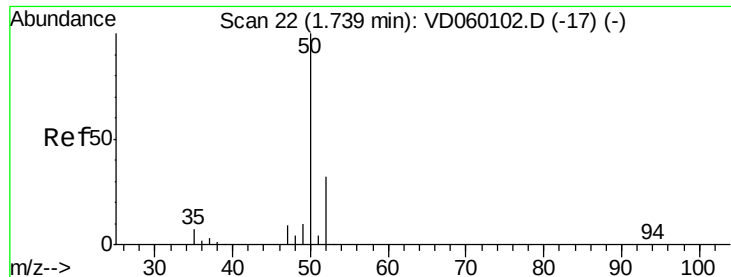
Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC



Time-->





#3

Chloromethane

Concen: 22.823 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 50 Resp: 302622

Ion Ratio Lower Upper

50 100

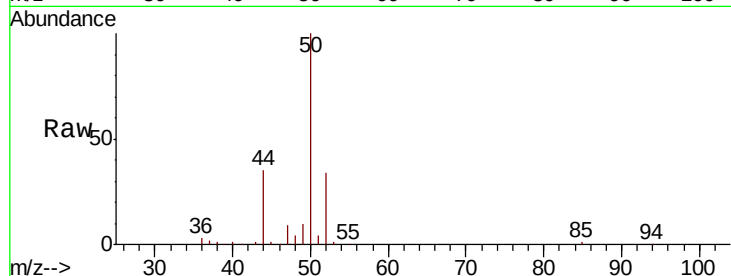
52 34.0 25.3 37.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

120000

100000

80000

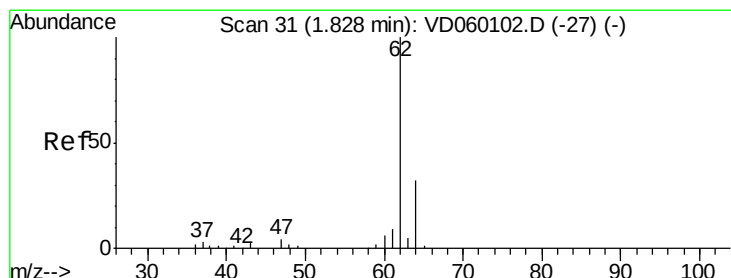
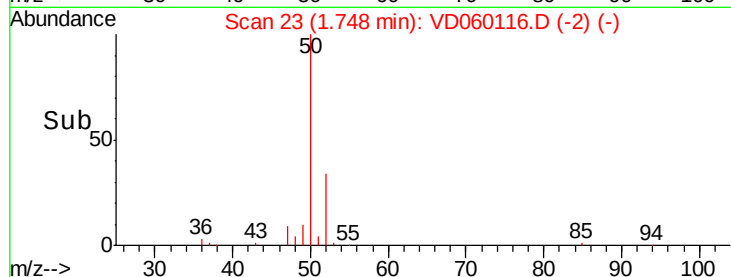
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 21.137 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060116.D

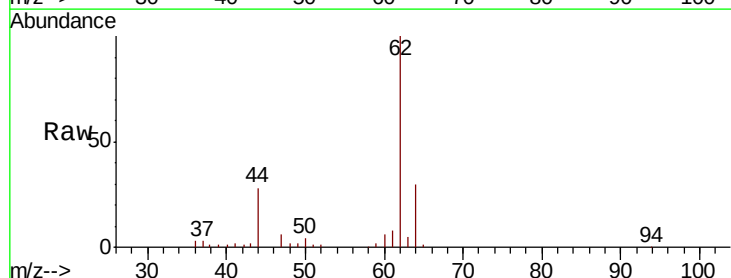
Acq: 3 Oct 2018 14:13

Tgt Ion: 62 Resp: 229363

Ion Ratio Lower Upper

62 100

64 29.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

100000

80000

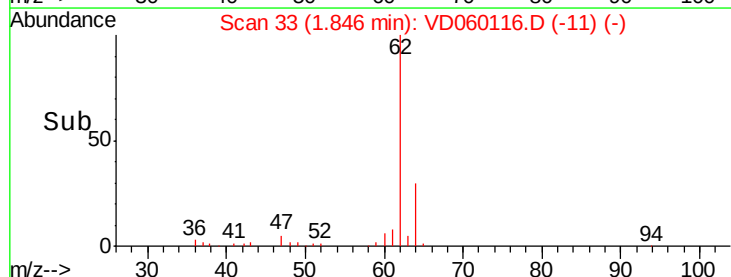
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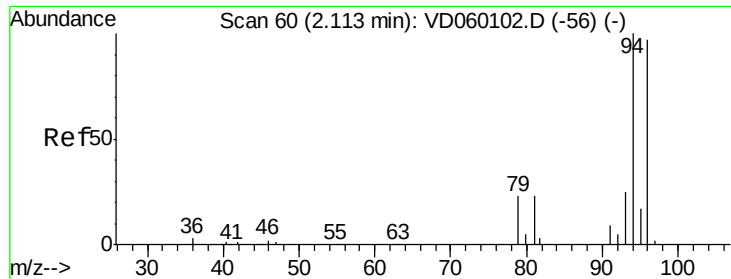
40000

20000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 14.649 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 94 Resp: 19959

Ion Ratio Lower Upper

94 100

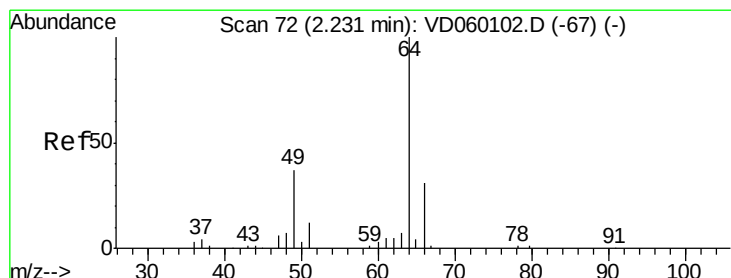
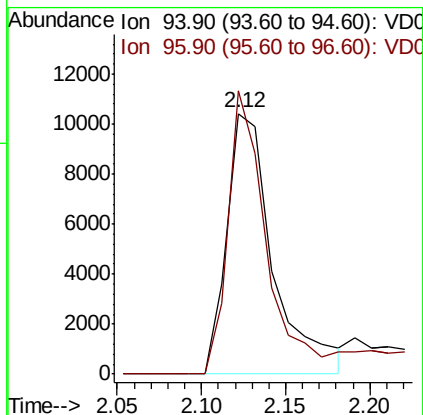
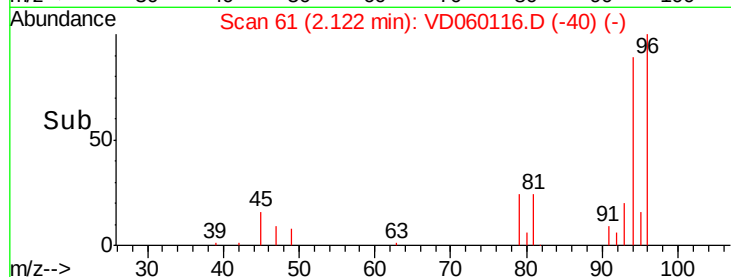
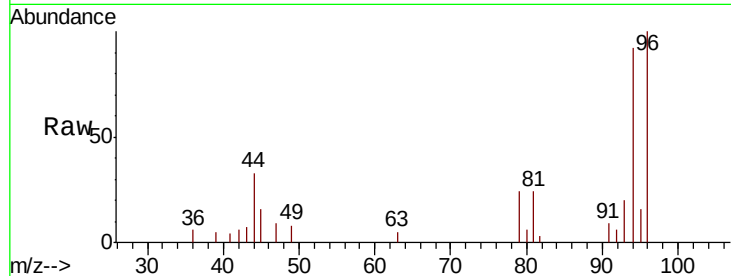
96 108.6 77.4 116.2

Manual Integrations

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#6

Chloroethane

Concen: 17.113 ug/l

RT: 2.23 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD060116.D

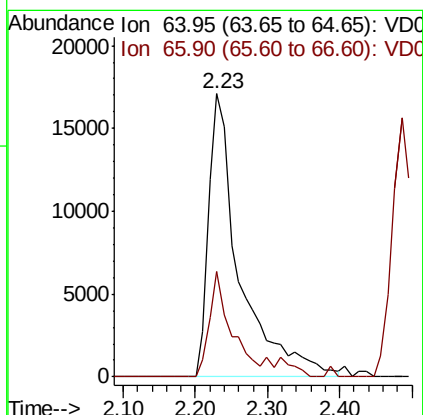
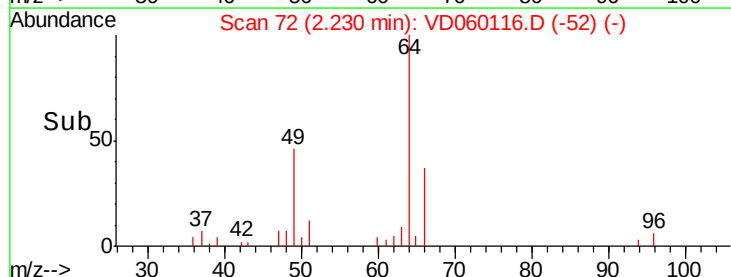
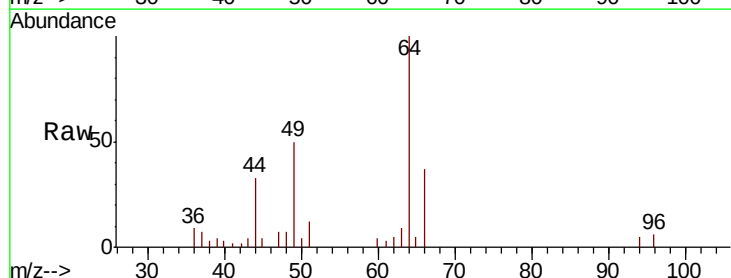
Acq: 3 Oct 2018 14:13

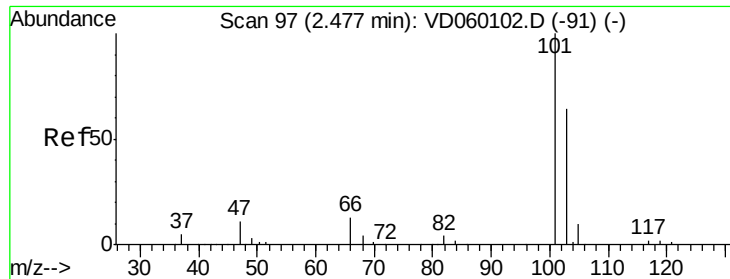
Tgt Ion: 64 Resp: 50675

Ion Ratio Lower Upper

64 100

66 37.2 24.6 37.0#





#7

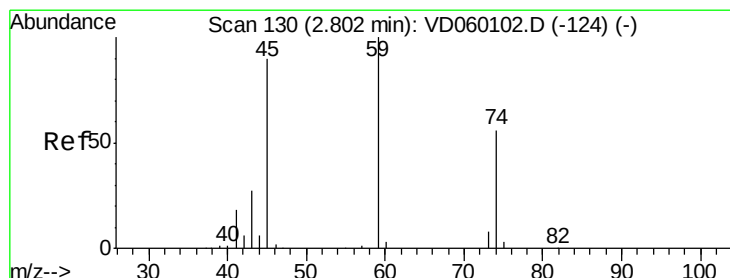
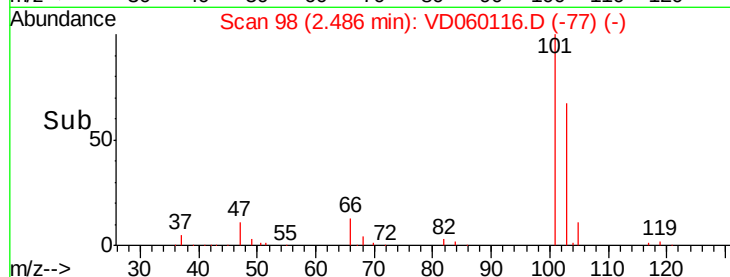
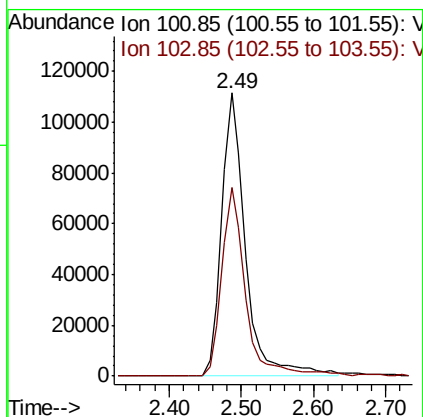
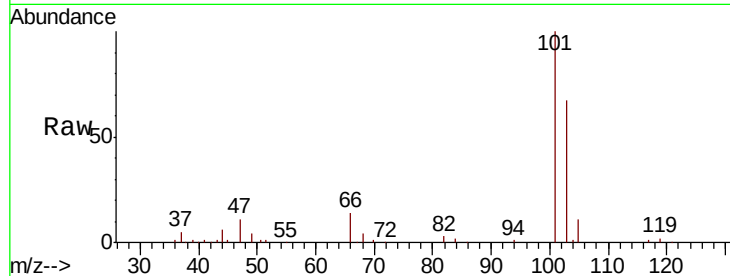
Trichlorofluoromethane
 Concen: 19.581 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion:101 Resp: 254416
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.5 77.3

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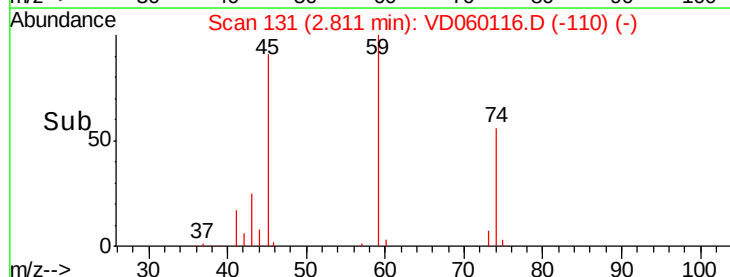
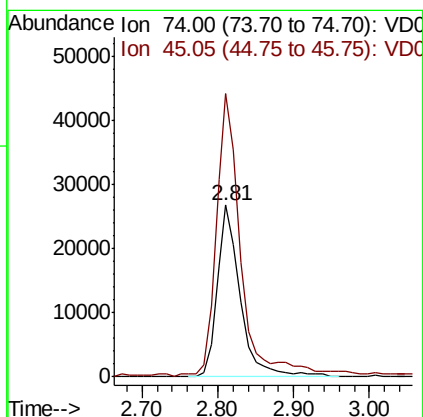
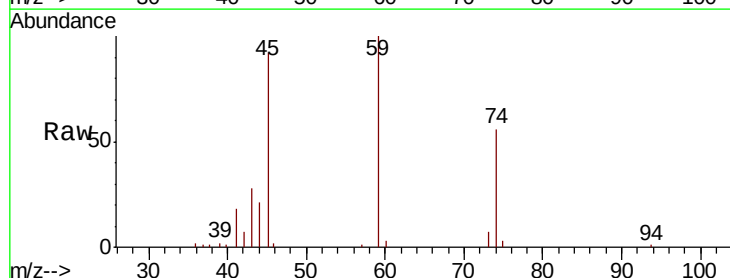
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 10/4/2018 4:44:52 PM

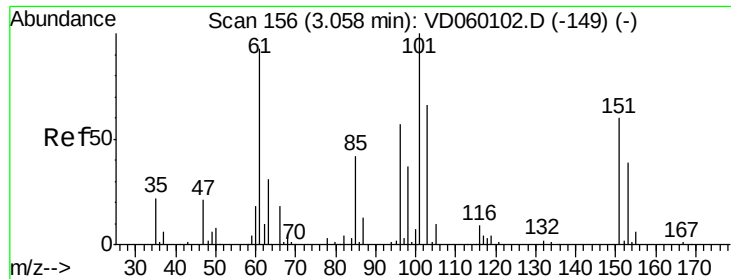


#8

Diethyl Ether
 Concen: 21.311 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion: 74 Resp: 56937
 Ion Ratio Lower Upper
 74 100
 45 164.7 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.687 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

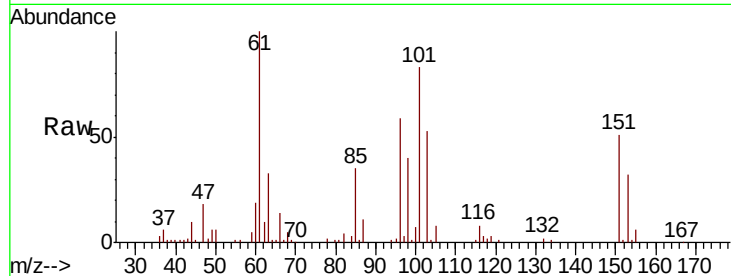
ClientSampleId :

VD1003SBS01

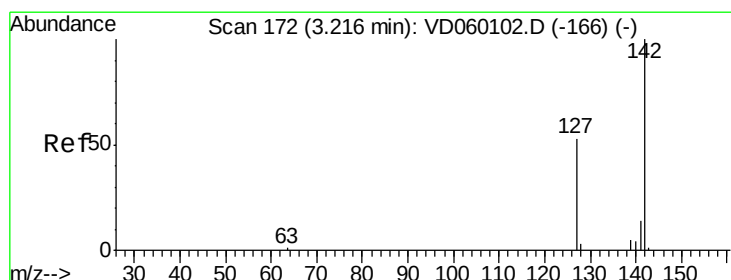
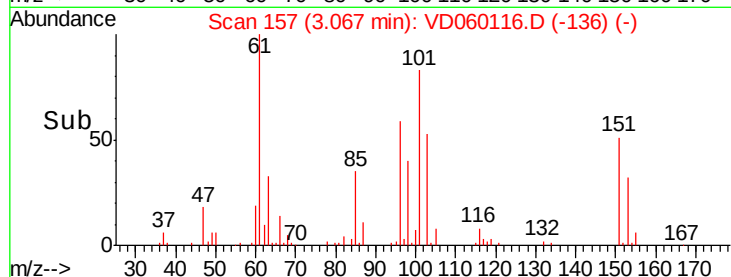
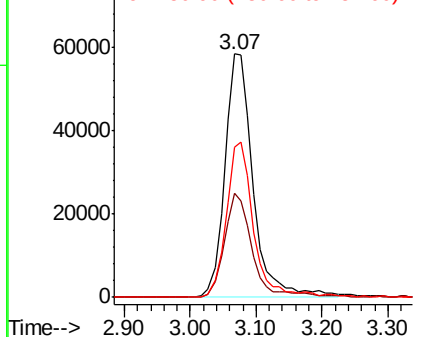
Tot Ion:	101	Resp:	175540
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.4	50.0
151	61.6	48.0	72.0

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



#10

Methyl Iodide

Concen: 16.527 ug/l

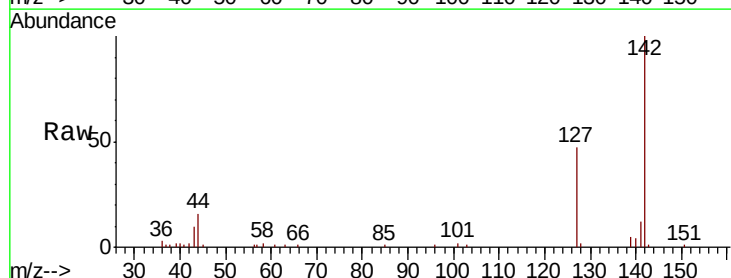
RT: 3.23 min Scan# 174

Delta R.T. 0.02 min

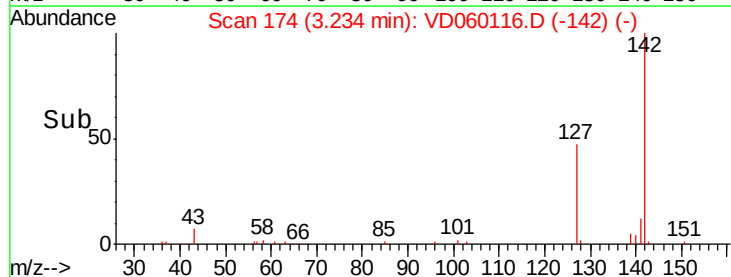
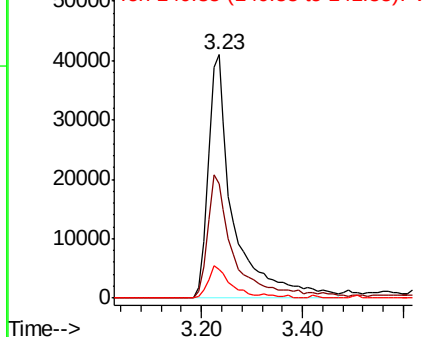
Lab File: VD060116.D

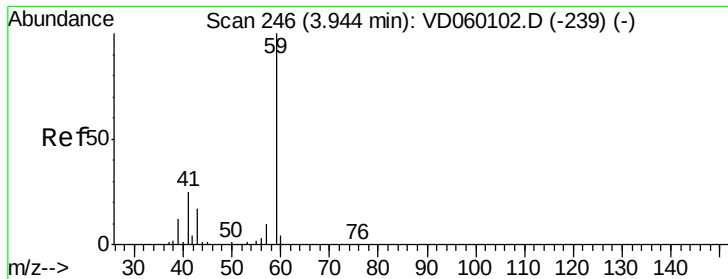
Acq: 3 Oct 2018 14:13

Tgt Ion:	142	Resp:	141867
Ion Ratio	Lower	Upper	
142	100		
127	47.1	42.0	63.0
141	11.8	11.4	17.0



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





#11

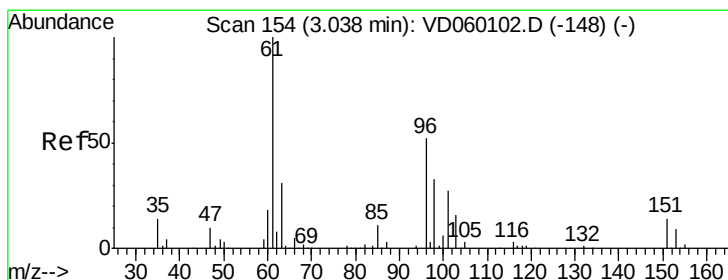
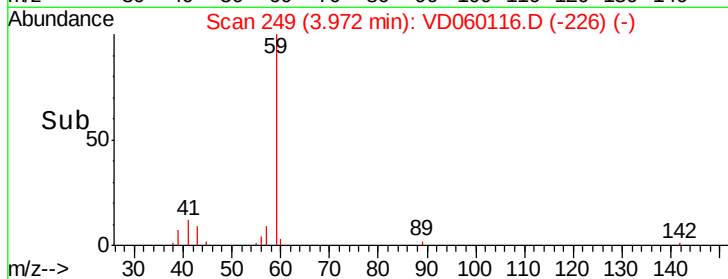
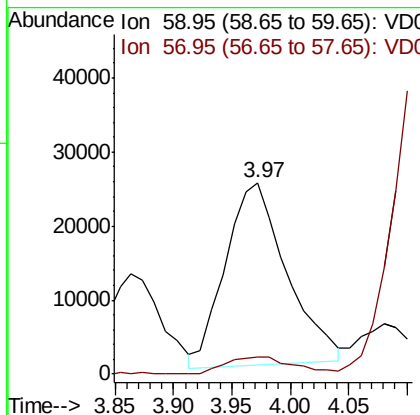
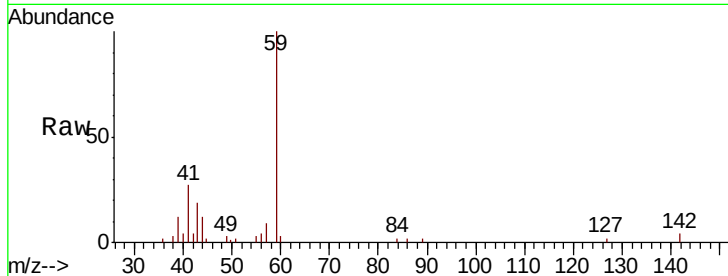
Tert butyl alcohol
 Concen: 105.689 ug/l
 RT: 3.97 min Scan# 249
 Delta R.T. 0.03 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.8	11.6

Manual Integrations
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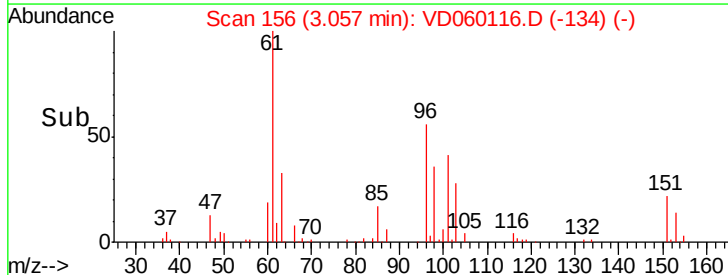
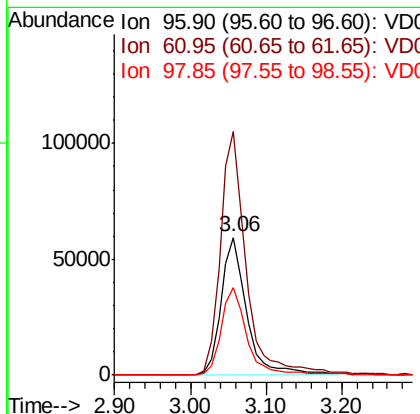
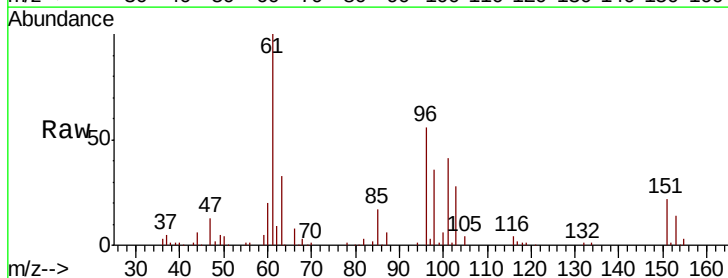
apatel
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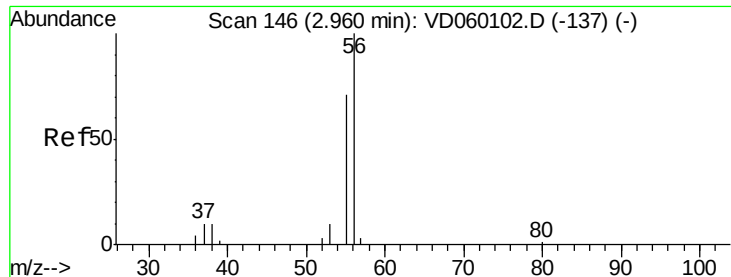


#12

1,1-Dichloroethene
 Concen: 21.971 ug/l
 RT: 3.06 min Scan# 156
 Delta R.T. 0.02 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.3	153.0	229.4
98	63.8	51.1	76.7





#13

Acrolein

Concen: 111.740 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 56 Resp: 58537

Ion Ratio Lower Upper

56 100

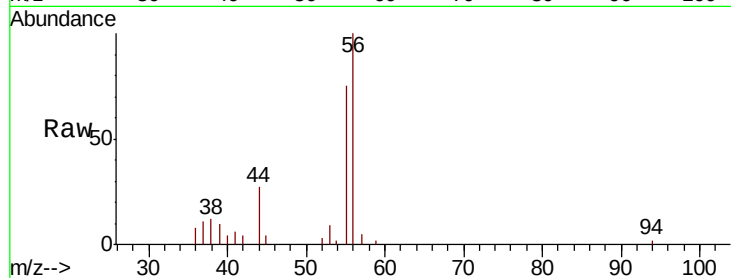
55 75.1 57.4 86.2

Manual Integrations

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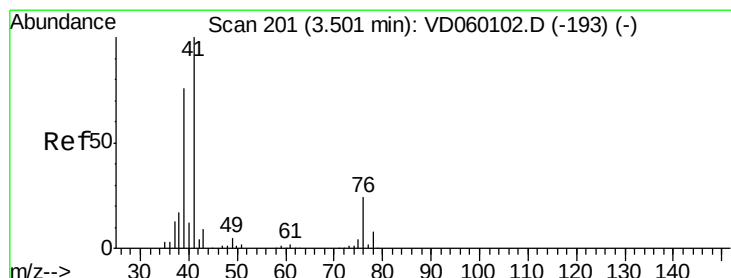
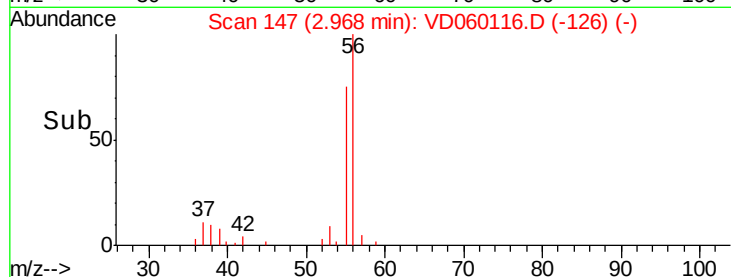
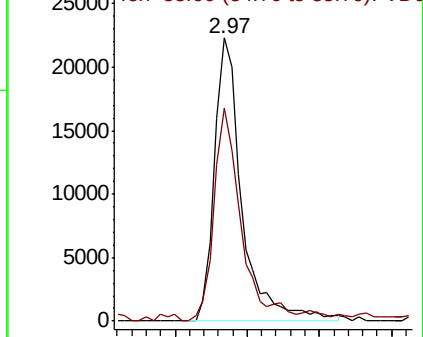
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.423 ug/l

RT: 3.52 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

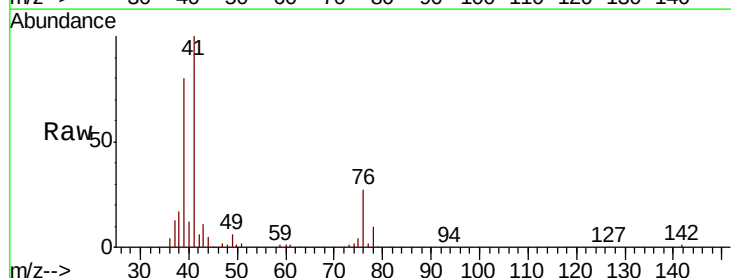
Tgt Ion: 41 Resp: 283718

Ion Ratio Lower Upper

41 100

39 80.1 60.6 90.8

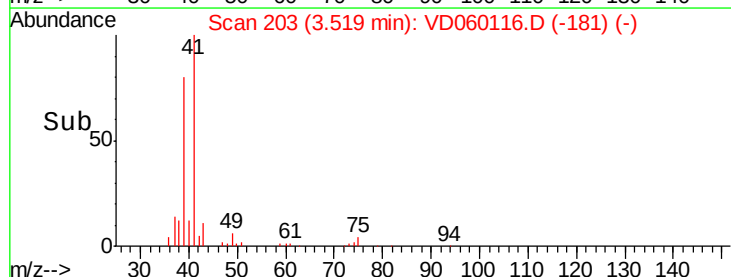
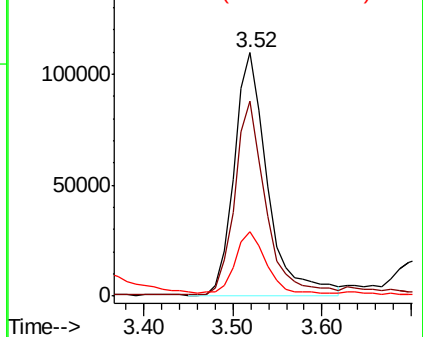
76 26.7 21.3 31.9

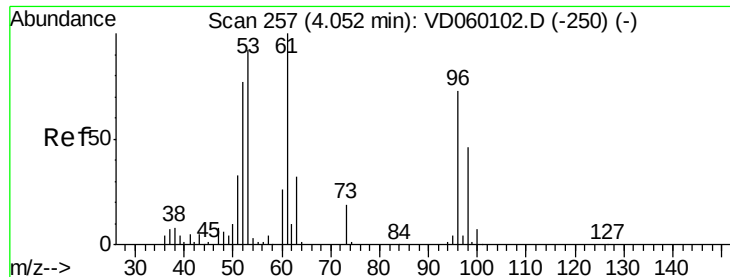


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 112.804 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 53 Resp: 396788

Ion Ratio Lower Upper

53 100

52 83.9 67.5 101.3

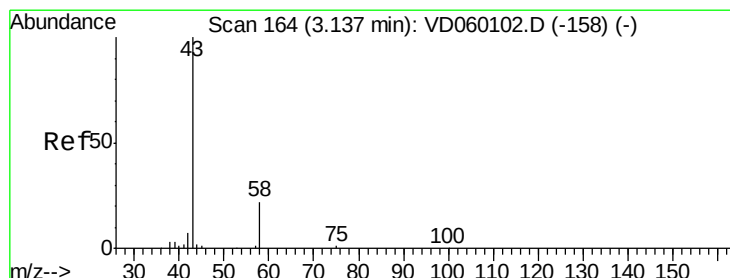
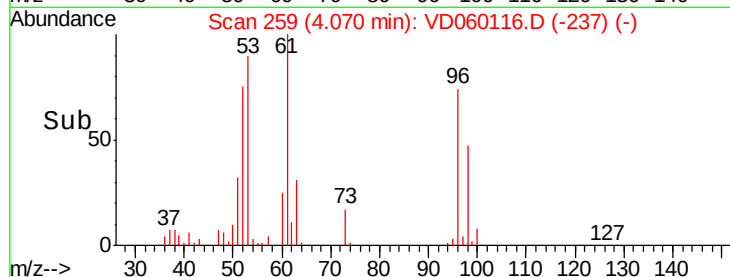
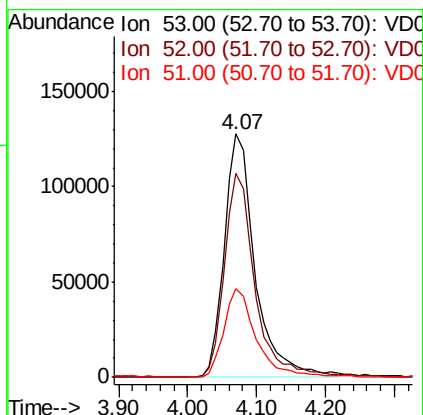
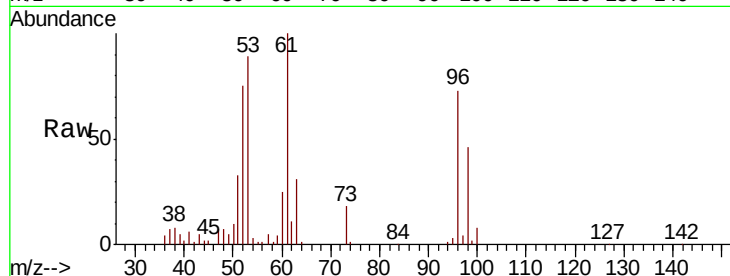
51 36.6 29.3 43.9

Manual Integrations

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#16

Acetone

Concen: 117.845 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060116.D

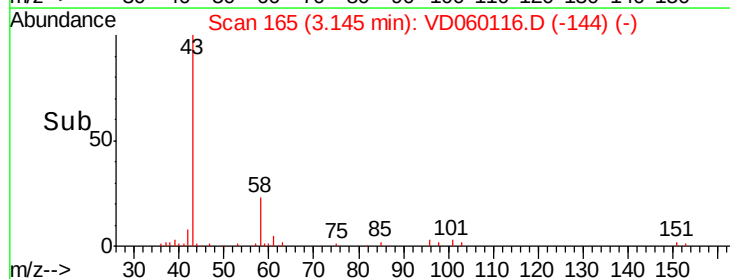
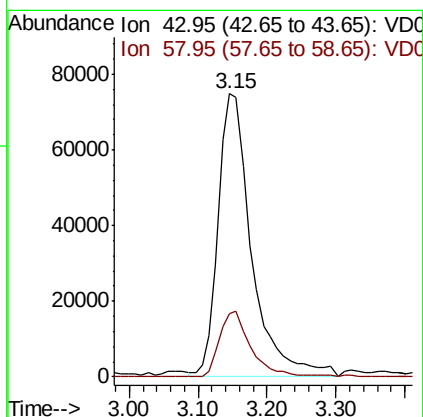
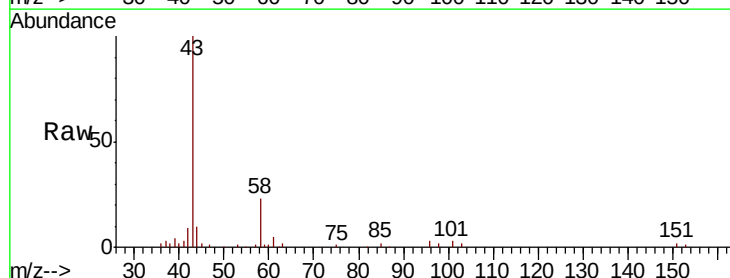
Acq: 3 Oct 2018 14:13

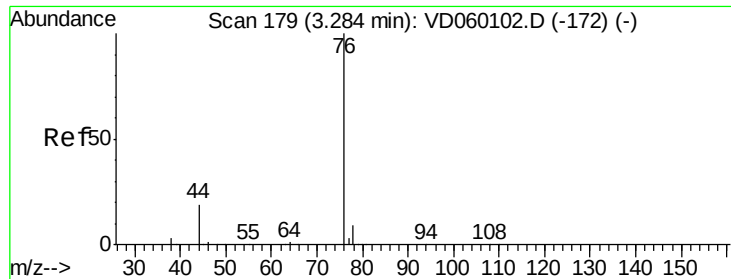
Tgt Ion: 43 Resp: 253378

Ion Ratio Lower Upper

43 100

58 22.5 17.7 26.5





#17

Carbon Disulfide

Concen: 21.437 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 76 Resp: 459691

Ion Ratio Lower Upper

76 100

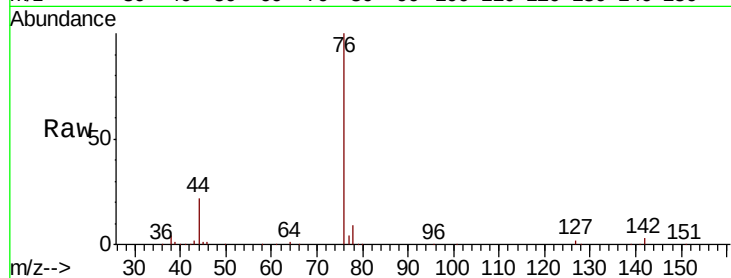
78 8.5 7.4 11.2

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

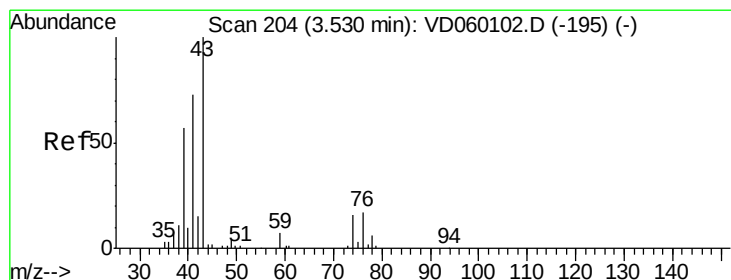
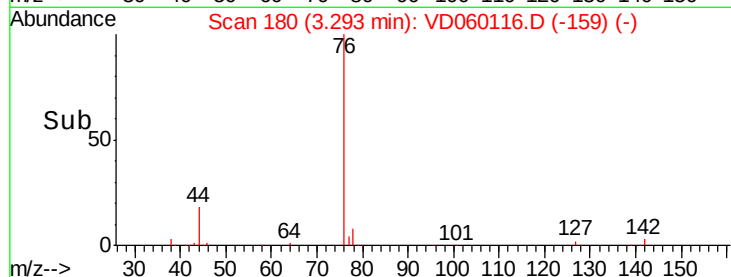
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 21.709 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060116.D

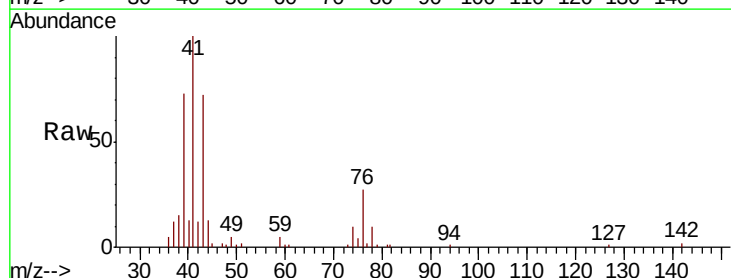
Acq: 3 Oct 2018 14:13

Tgt Ion: 43 Resp: 100324

Ion Ratio Lower Upper

43 100

74 13.9 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

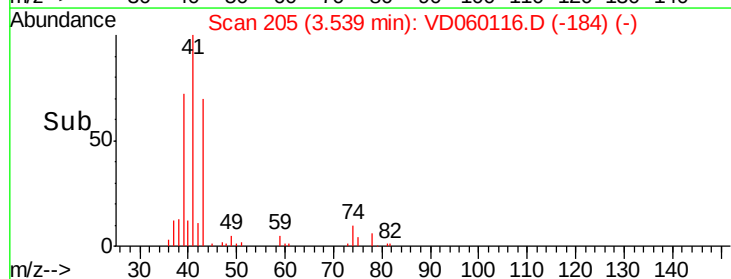
20000

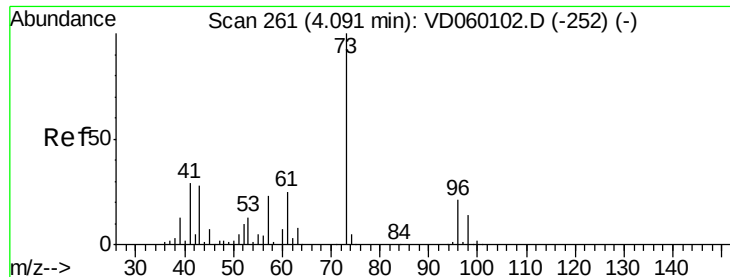
10000

0

3.50 3.60

Time-->





#19

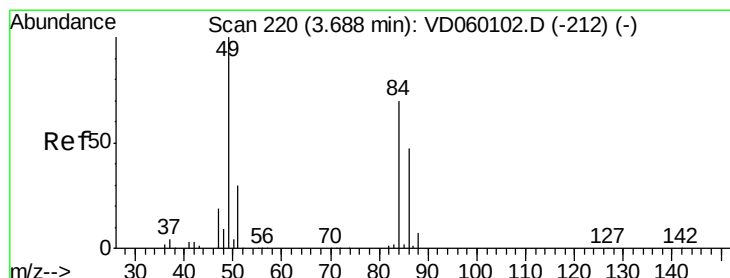
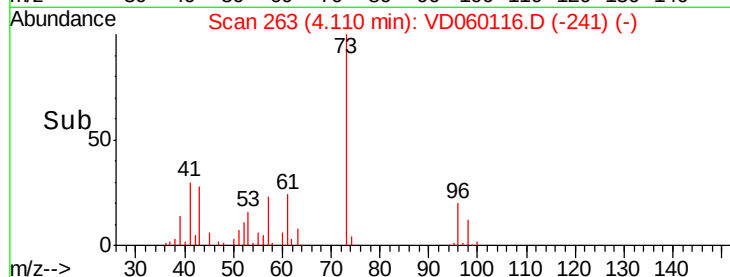
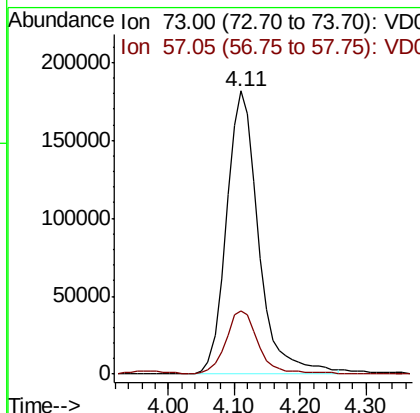
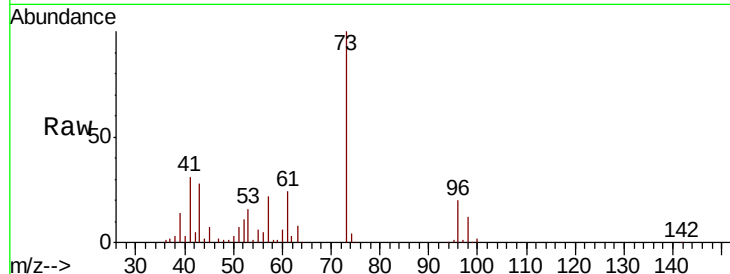
Methyl tert-butyl Ether
 Concen: 22.134 ug/l
 RT: 4.11 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	73	Resp	620558
Ion Ratio	100	Lower	Upper
73	100	18.7	28.1
57	22.5		

Manual Integrations
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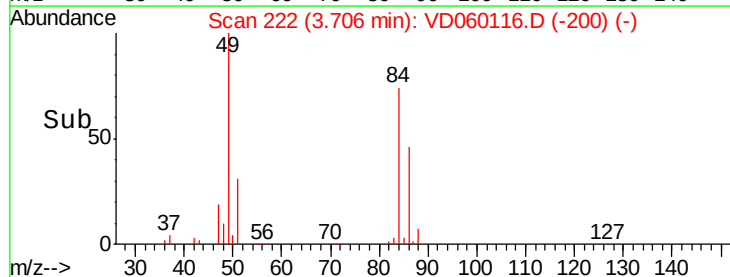
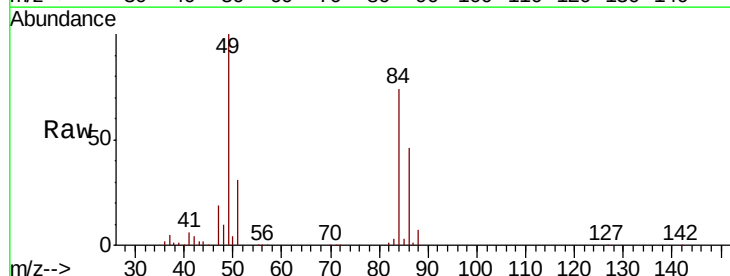
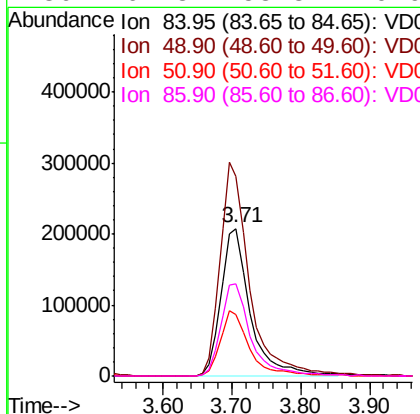
apatel
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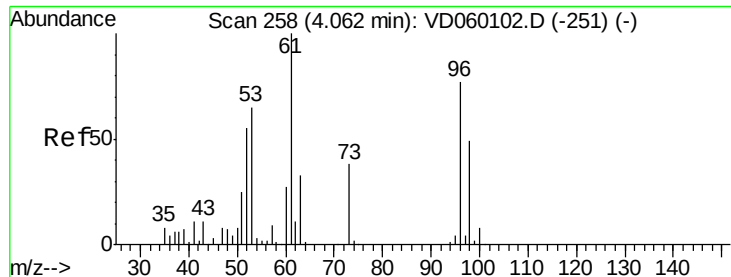


#20

Methylene Chloride
 Concen: 34.719 ug/l
 RT: 3.71 min Scan# 222
 Delta R.T. 0.02 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion	84	Resp	609831
Ion Ratio	100	Lower	Upper
84	100	53.3	79.9
49	135.2	114.6	172.0
51	41.6	33.8	50.8
86	62.3		





#21

trans-1,2-Dichloroethene

Concen: 21.239 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 96 Resp: 349790

Ion Ratio Lower Upper

96 100

61 131.9 103.3 154.9

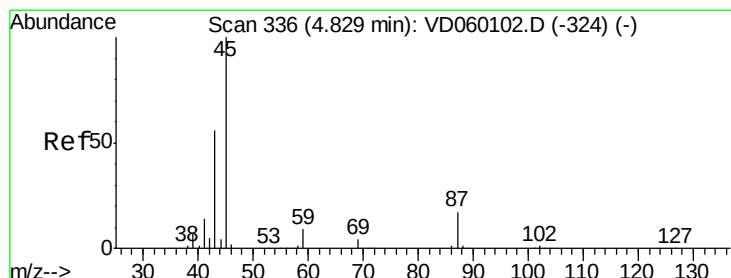
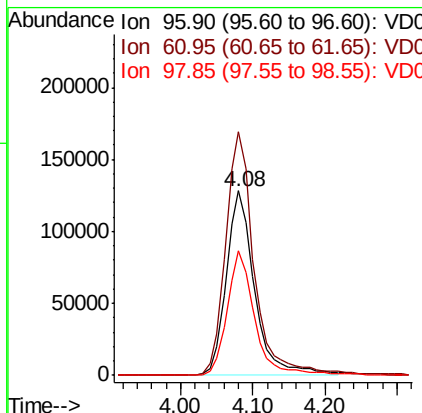
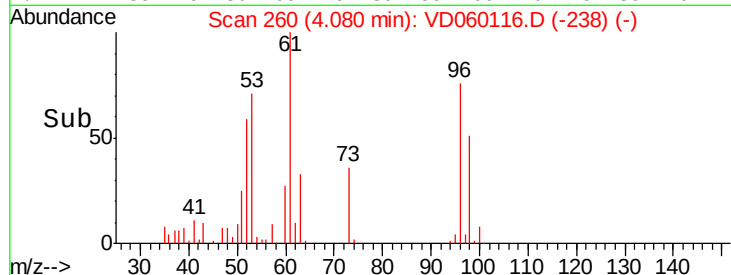
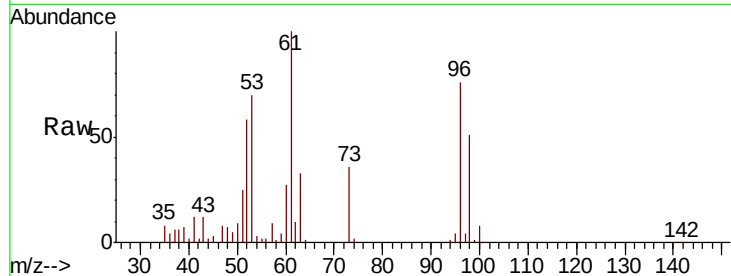
98 67.6 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.003 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Tgt Ion: 45 Resp: 1301370

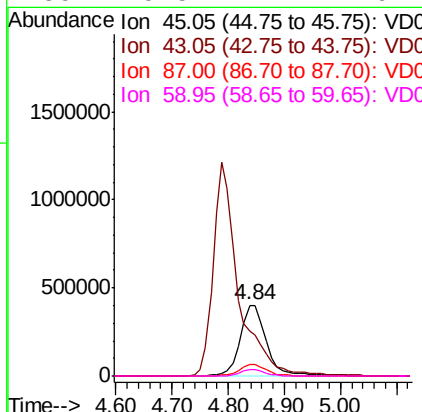
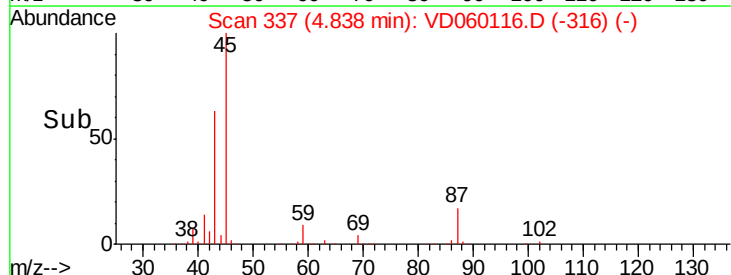
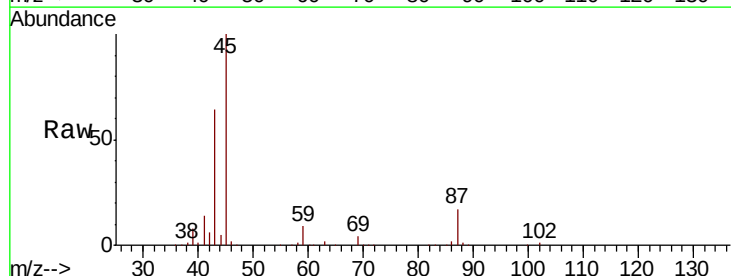
Ion Ratio Lower Upper

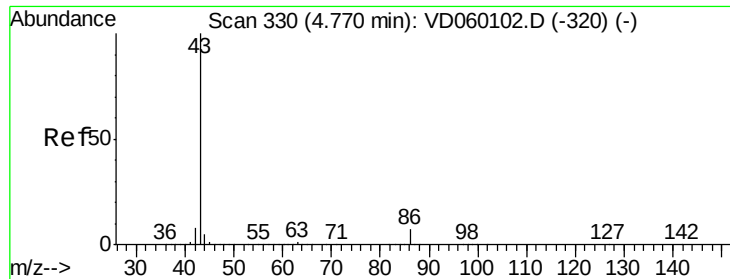
45 100

43 63.6 44.8 67.2

87 16.5 13.9 20.9

59 9.5 7.1 10.7





#23

Vinyl Acetate

Concen: 113.698 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 3780029

Ion Ratio Lower Upper

43 100

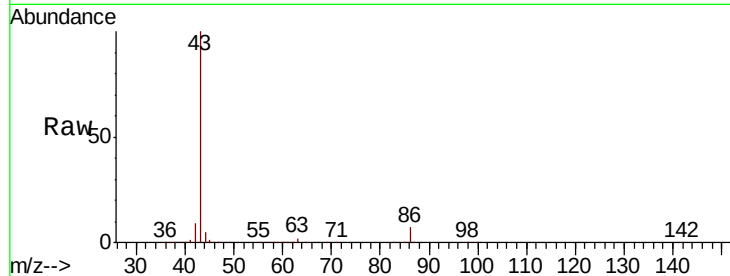
86 6.8 5.6 8.4

Manual Integrations

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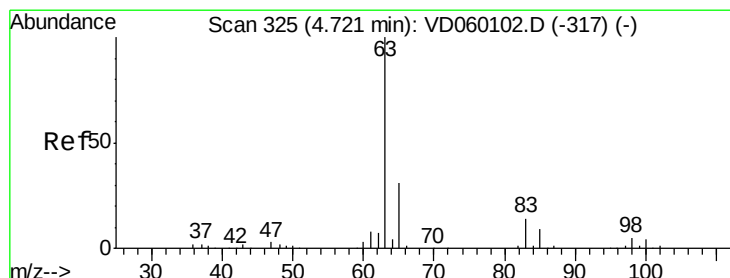
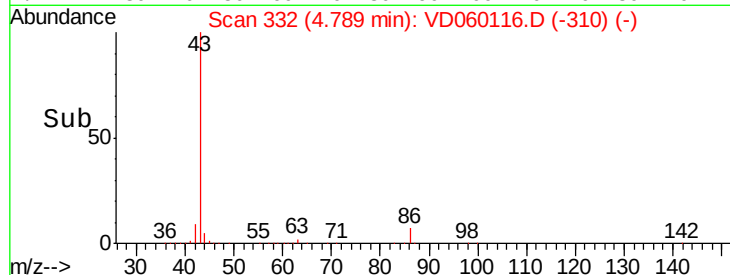
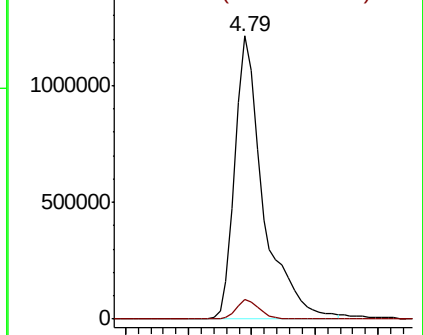
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.410 ug/l

RT: 4.74 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

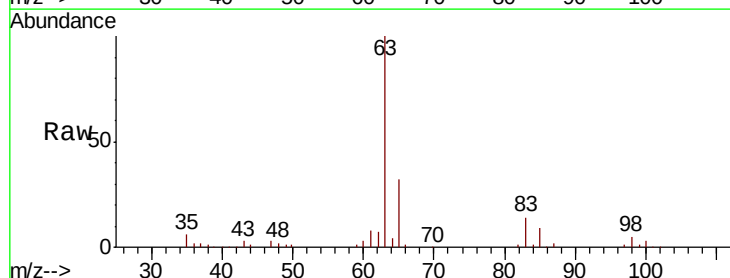
Tgt Ion: 63 Resp: 574164

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

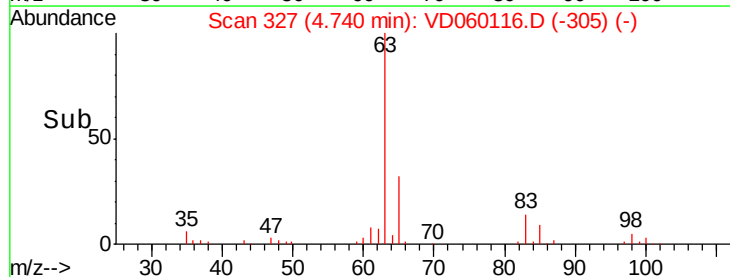
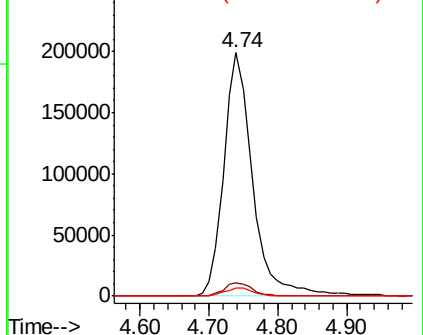
100 3.3 1.8 5.3

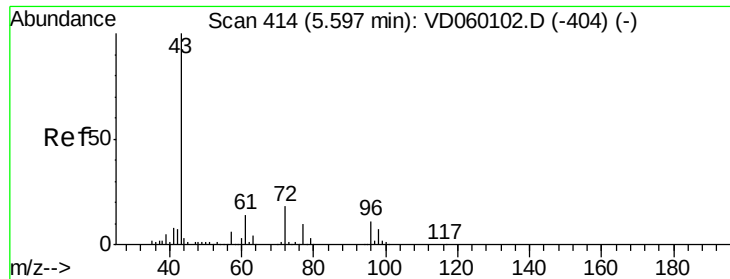


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 115.364 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 619674

Ion Ratio Lower Upper

43 100

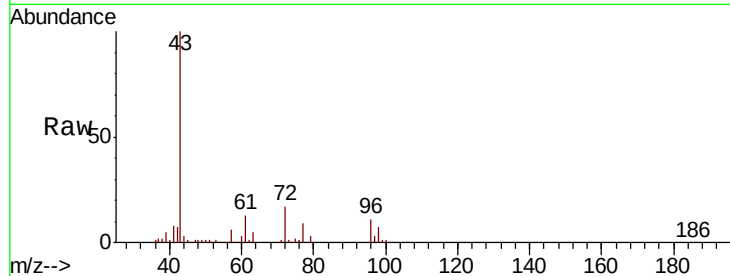
72 16.8 14.5 21.7

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

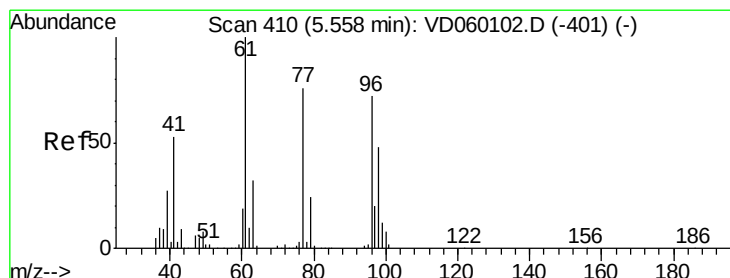
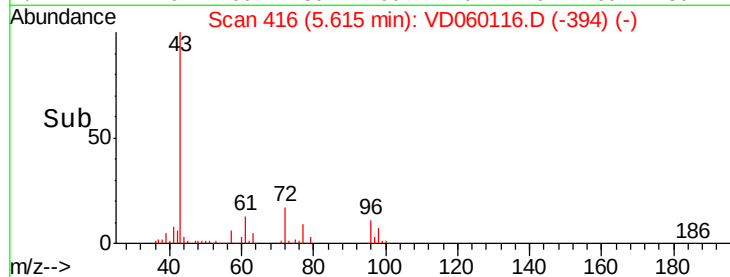
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.937 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.02 min

Lab File: VD060116.D

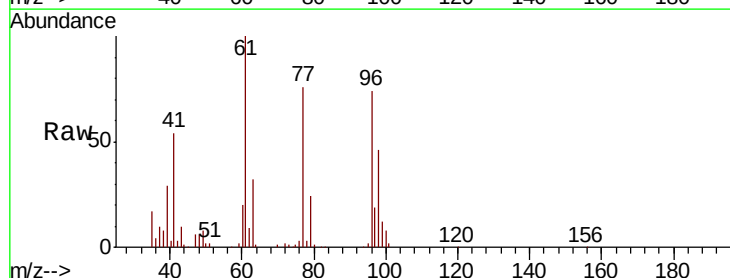
Acq: 3 Oct 2018 14:13

Tgt Ion: 77 Resp: 445984

Ion Ratio Lower Upper

77 100

97 25.2 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

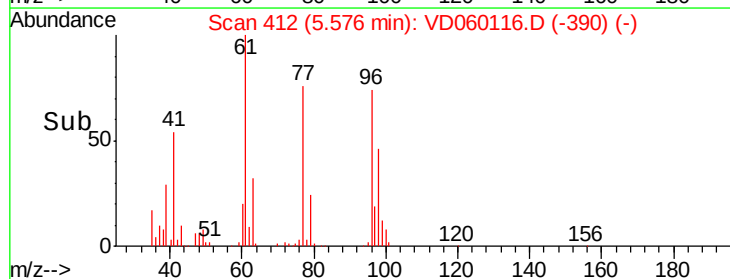
100000

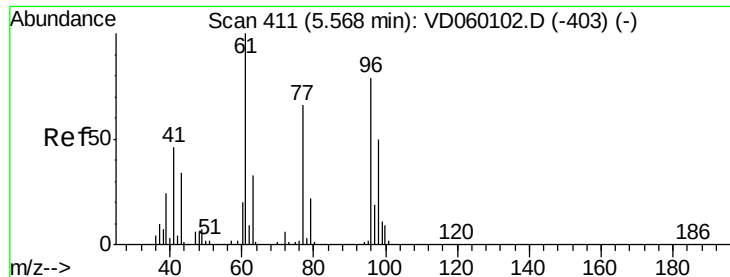
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

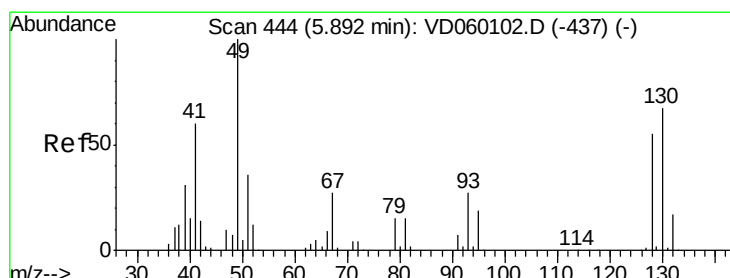
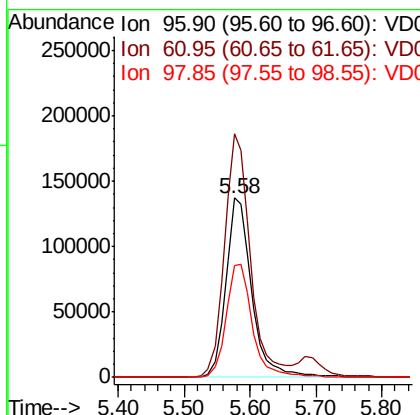
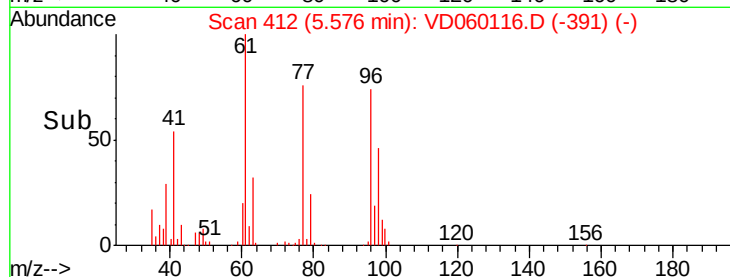
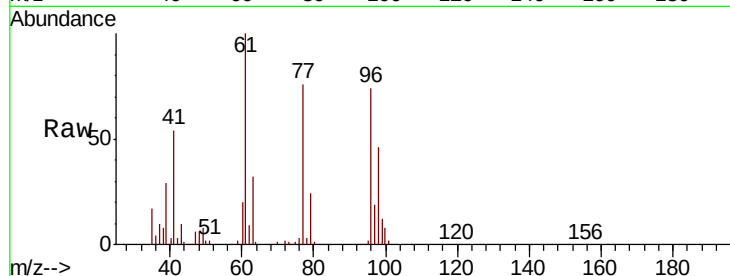
cis-1,2-Dichloroethene
Concen: 21.525 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.9	0.0	251.8	
98	62.7	0.0	125.2	

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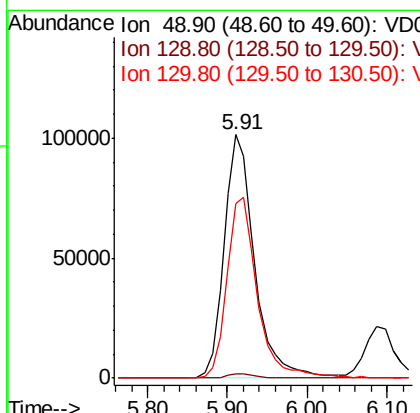
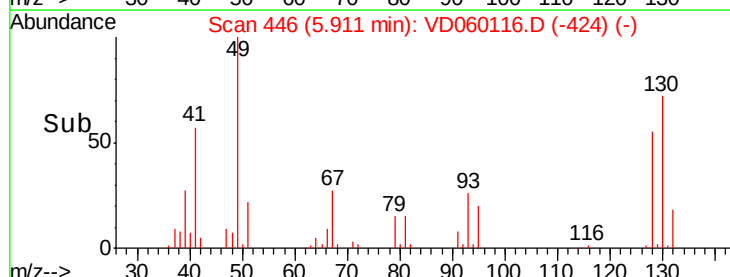
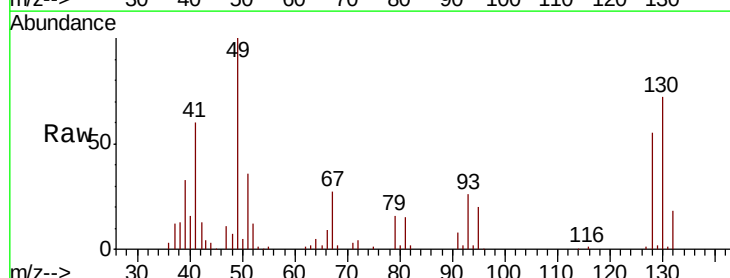
apatel
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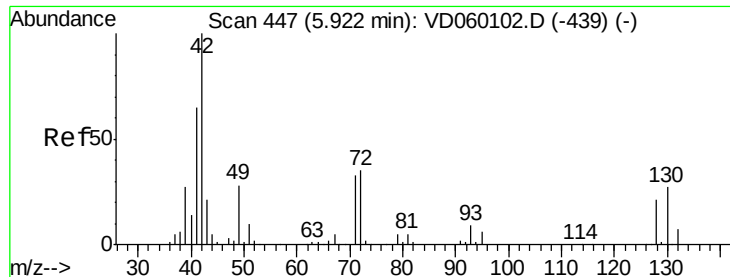


#28

Bromochloromethane
Concen: 20.819 ug/l
RT: 5.91 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	71.9	53.9	80.9	





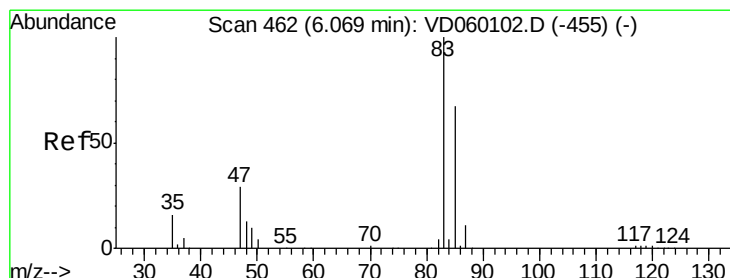
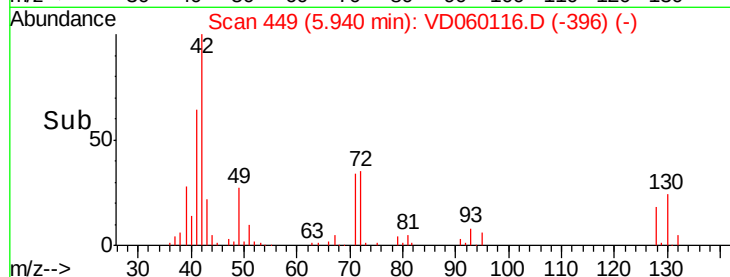
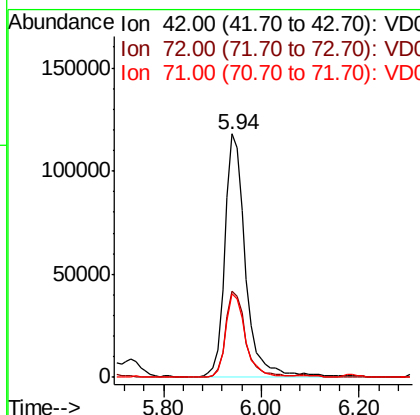
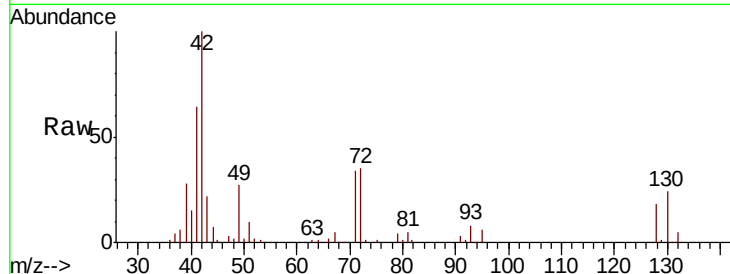
#29
Tetrahydrofuran
Concen: 111.904 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	26.9	40.3
71	32.8	26.7	40.1

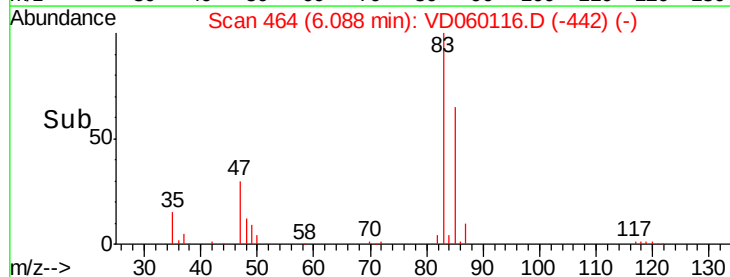
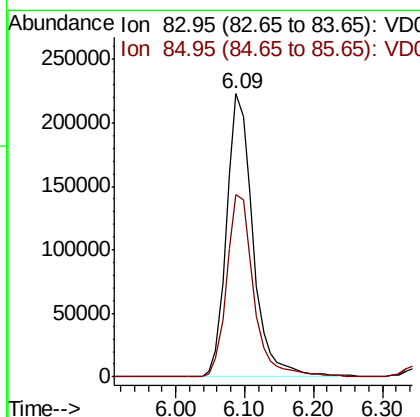
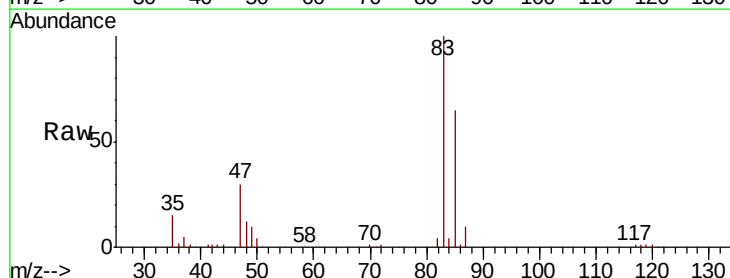
Manual Integrations
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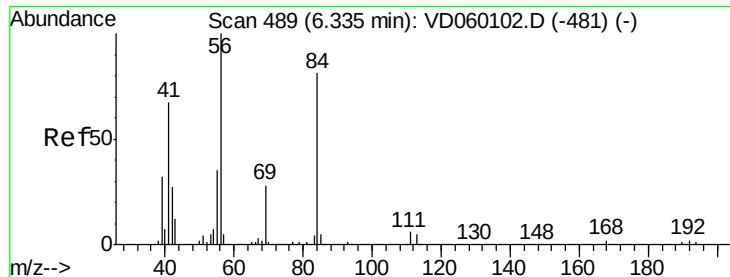
apatel
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#30
Chloroform
Concen: 21.856 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.8	80.8





#31

Cyclohexane

Concen: 20.487 ug/l

RT: 6.35 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

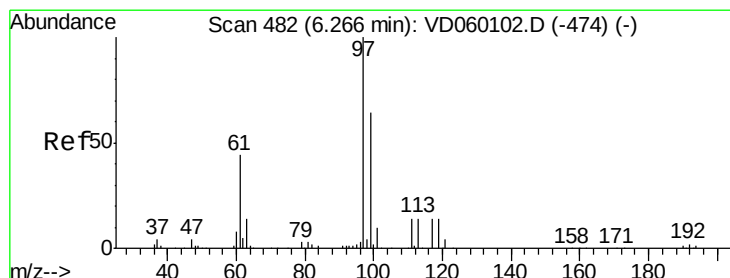
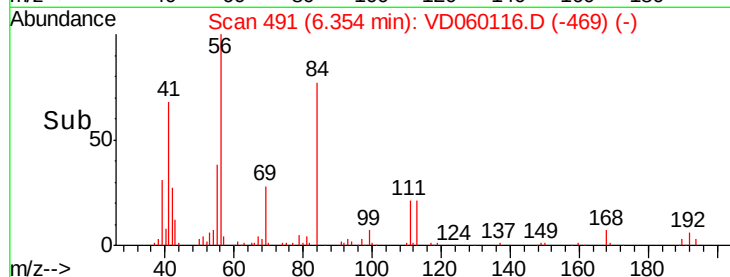
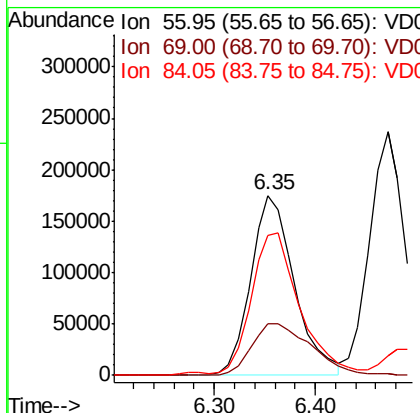
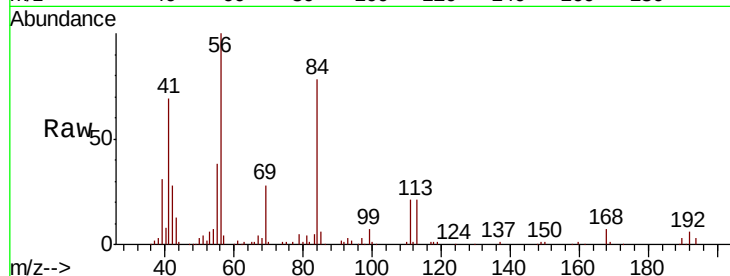
ClientSampleId :

VD1003SBS01

Tot Ion:	56	Resp:	525922
Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.8	34.2
84	77.9	64.9	97.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.380 ug/l

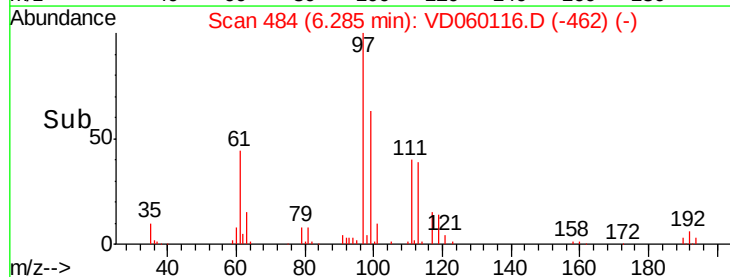
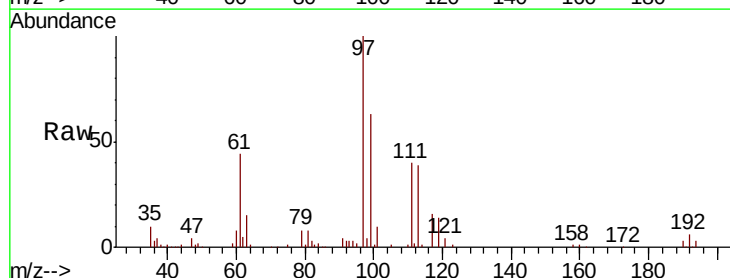
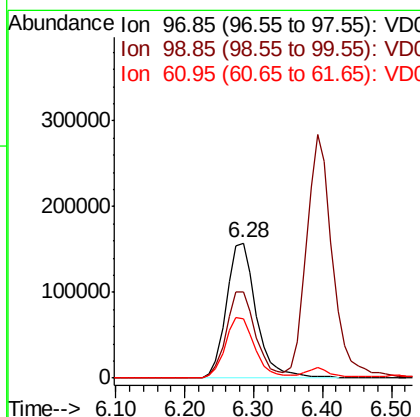
RT: 6.28 min Scan# 484

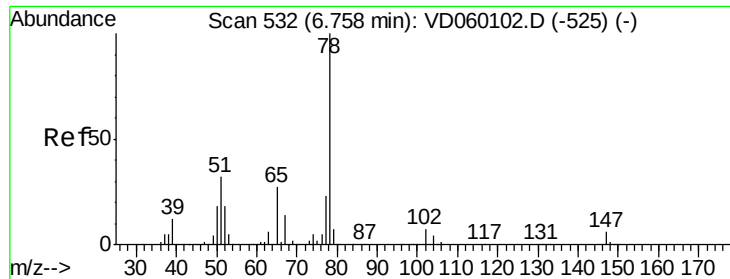
Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Tgt Ion:	97	Resp:	475168
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.4	77.0
61	43.8	35.5	53.3





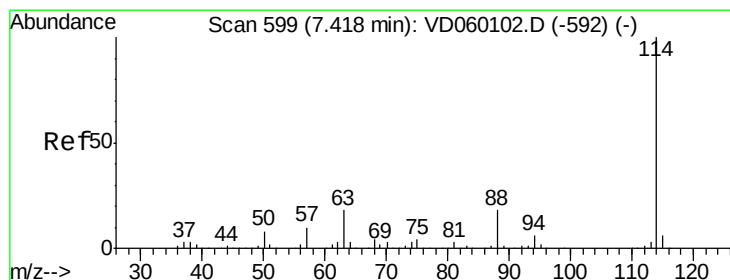
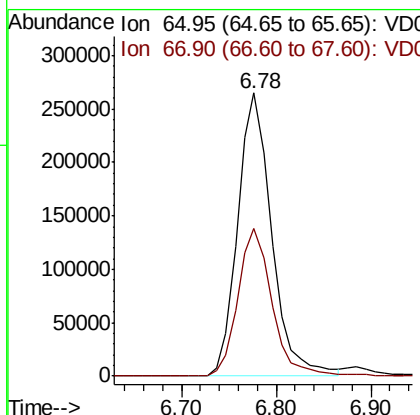
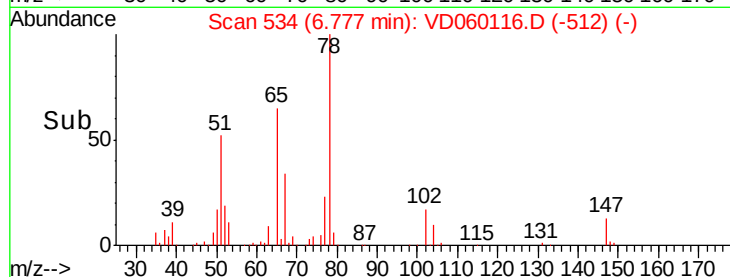
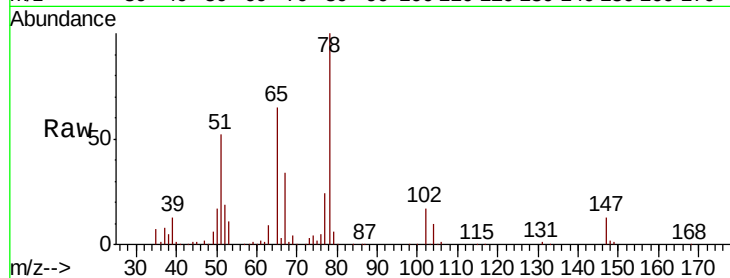
#33
 1,2-Dichloroethane-d4
 Concen: 21.380 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	106.2	

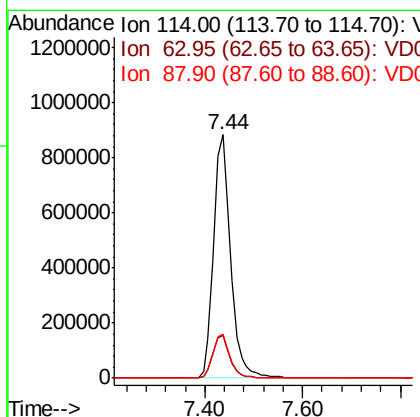
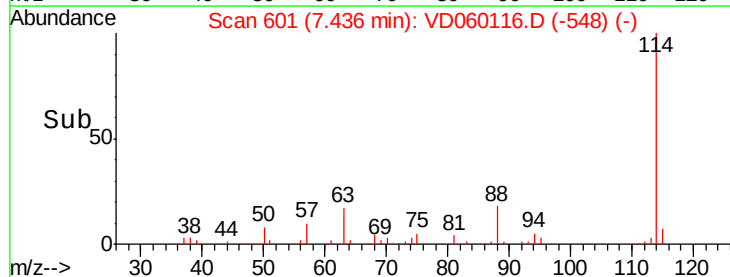
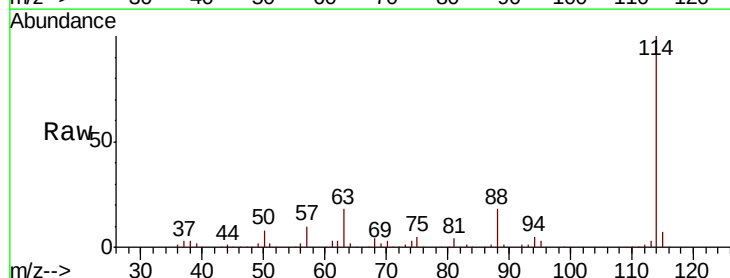
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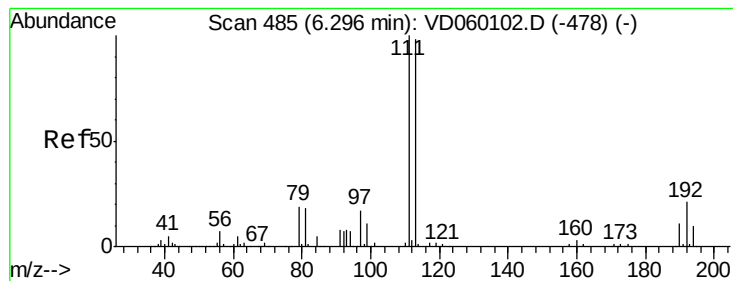
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.7	0.0	36.0	
88	18.1	0.0	36.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

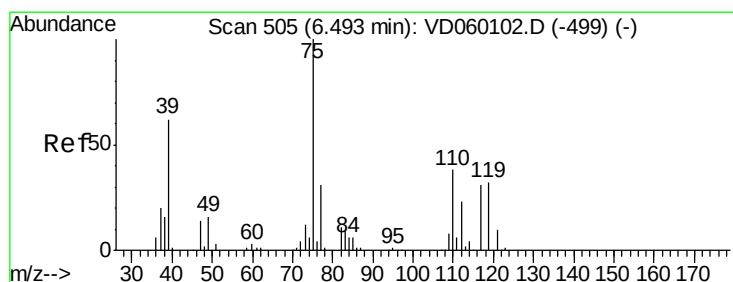
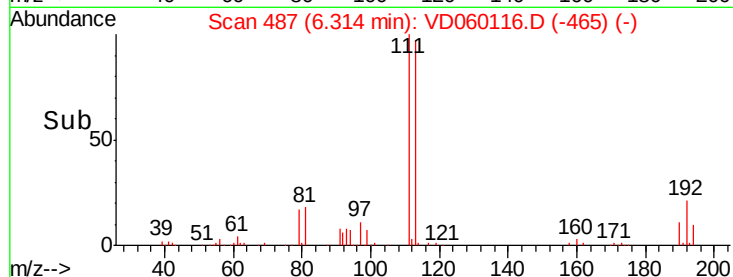
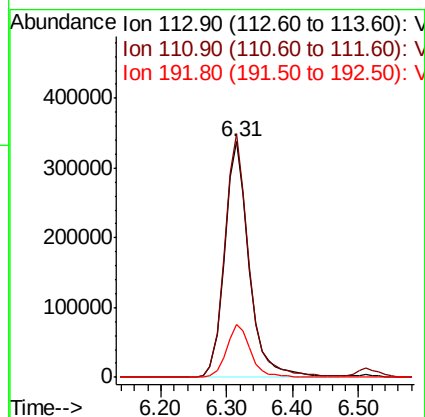
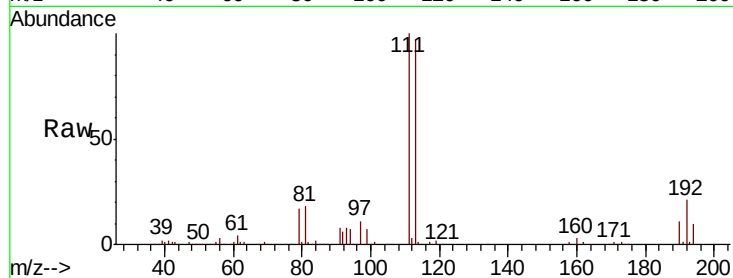
ClientSampleId :

VD1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	81.5	122.3	
192	22.2	17.4	26.0	

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#36

1,1-Dichloropropene

Concen: 21.305 ug/l

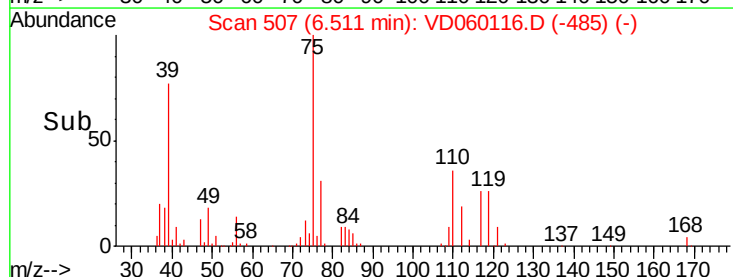
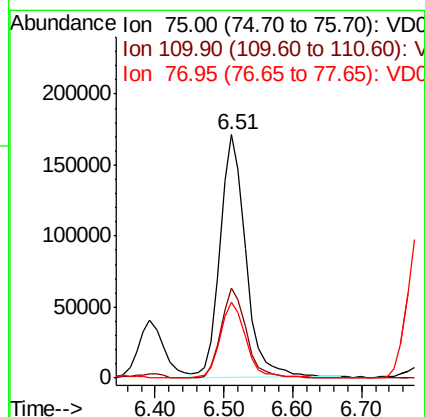
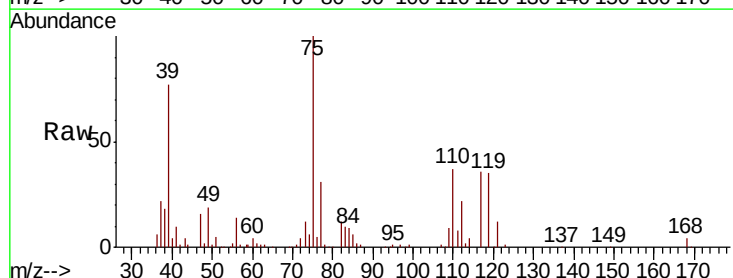
RT: 6.51 min Scan# 507

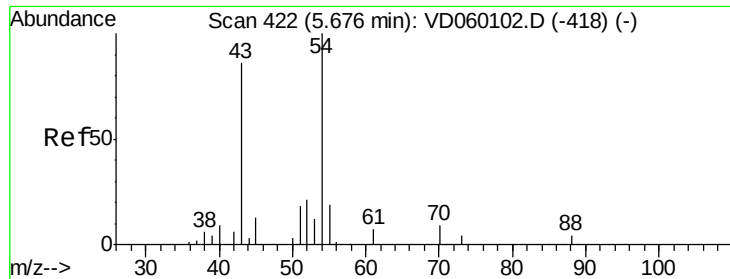
Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	19.0	57.0	
77	31.0	24.9	37.3	





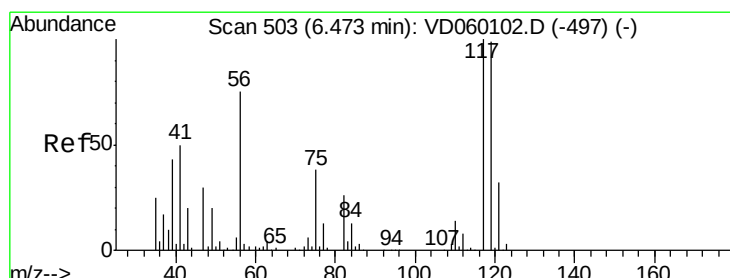
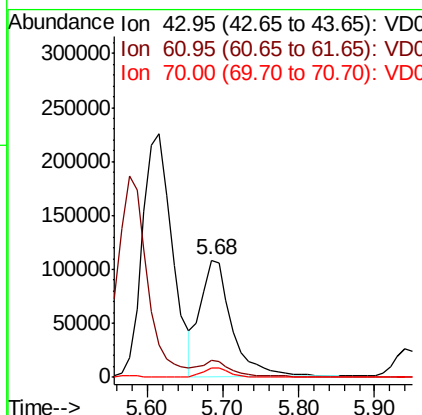
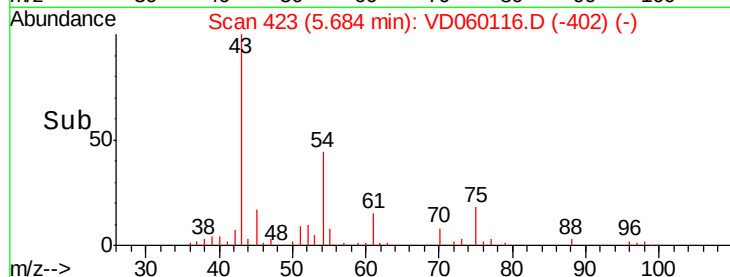
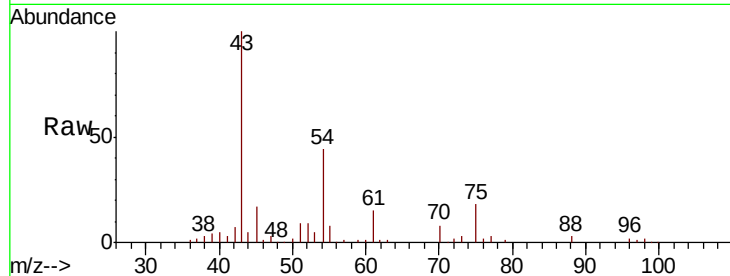
#37
Ethyl Acetate
Concen: 22.521 ug/l
RT: 5.68 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.5	15.7
70	8.0	6.3	9.5

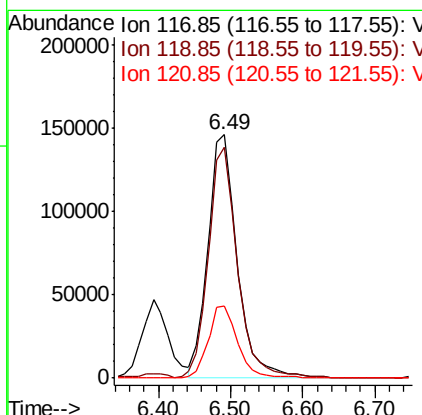
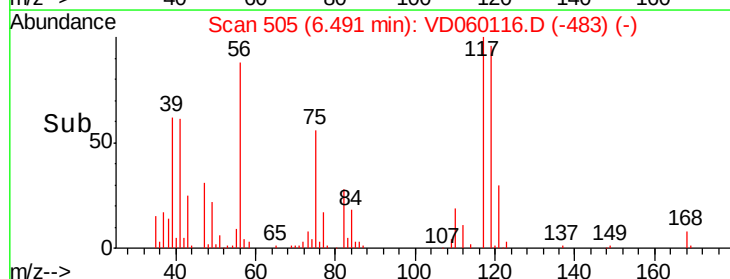
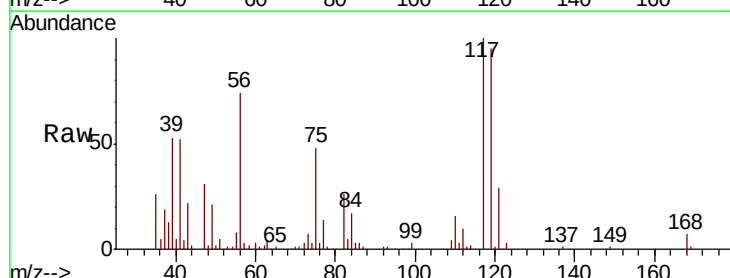
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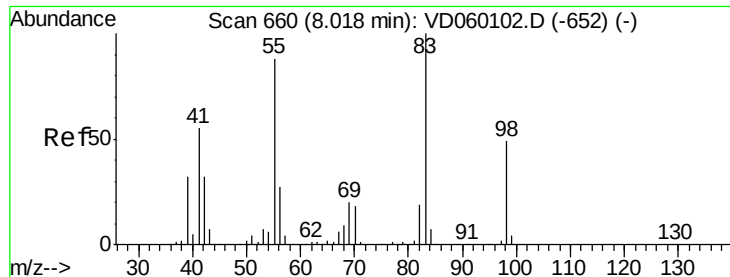
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#38
Carbon Tetrachloride
Concen: 21.484 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.8	116.6
121	29.5	24.8	37.2





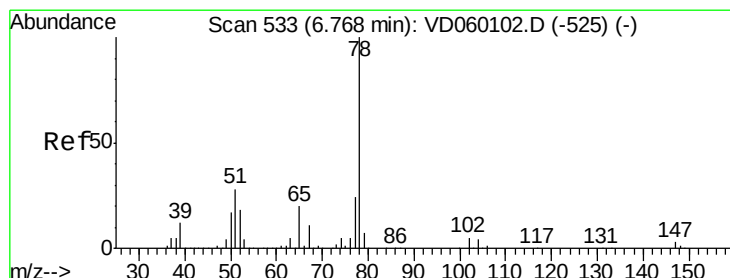
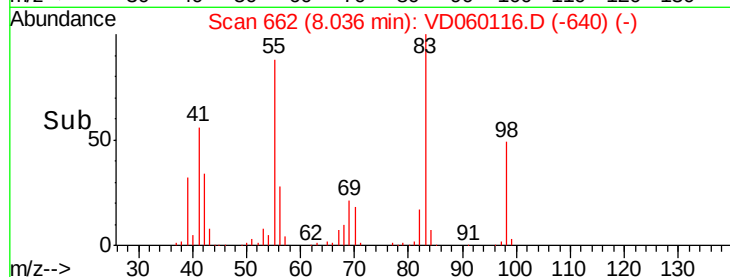
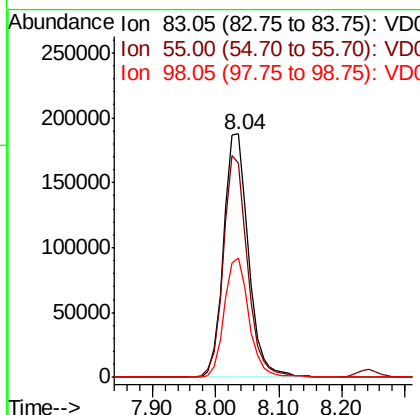
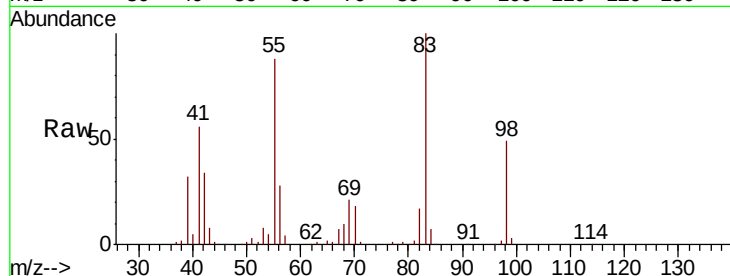
#39
Methylvlcyclohexane
Concen: 21.842 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	70.5	105.7
98	48.9	39.4	59.2

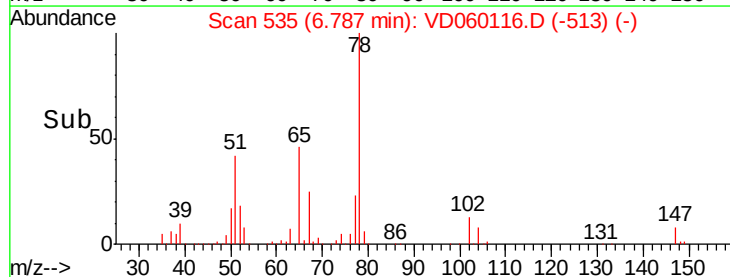
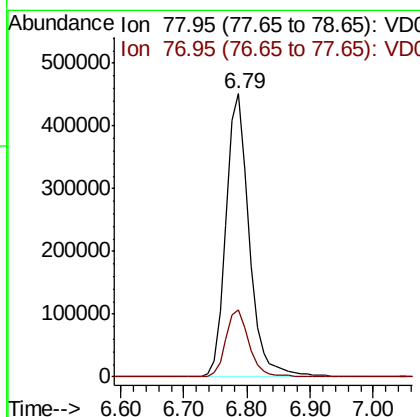
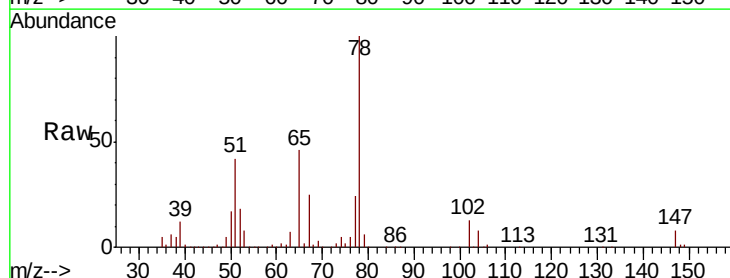
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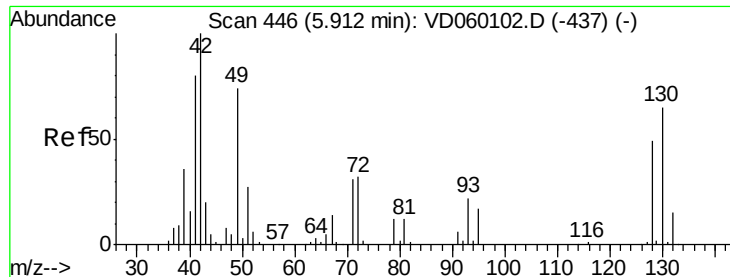
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#40
Benzene
Concen: 21.230 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 18.527 ug/l m

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 41 Resp: 143917
Ion Ratio Lower Upper

41 100

39 47.0 36.0 54.0

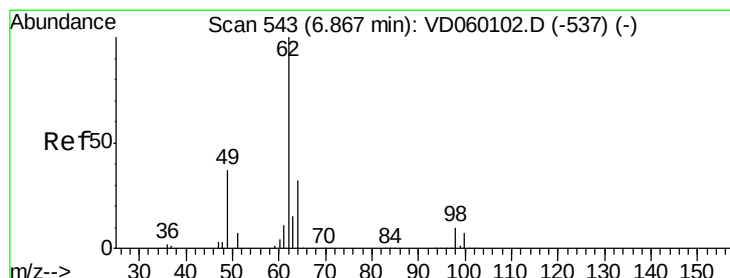
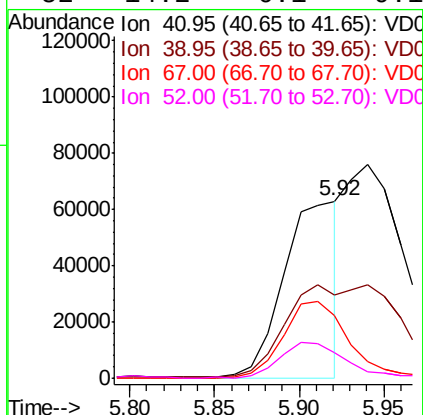
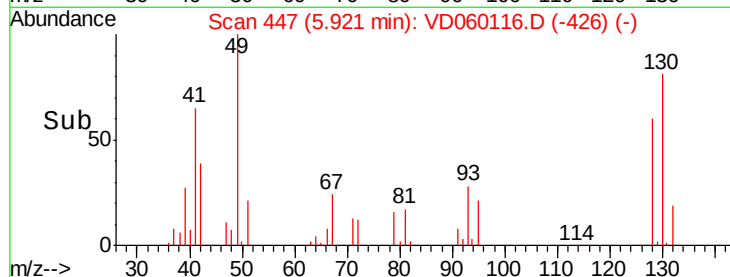
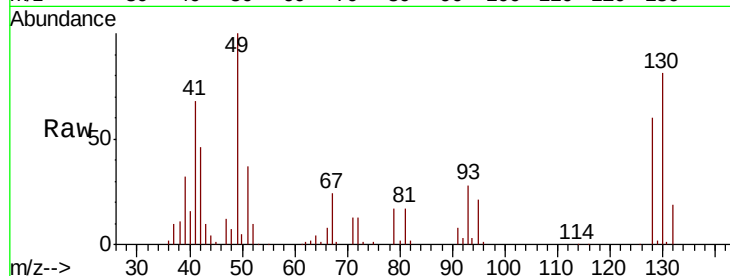
67 35.2 13.9 20.9#

52 14.2 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.079 ug/l

RT: 6.88 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060116.D

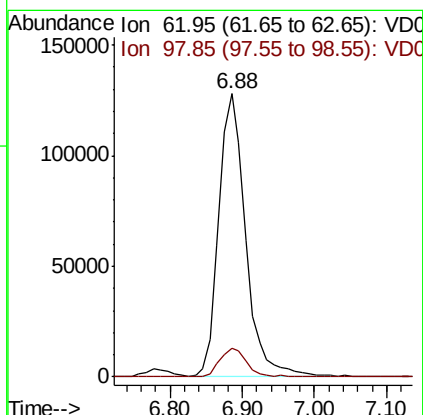
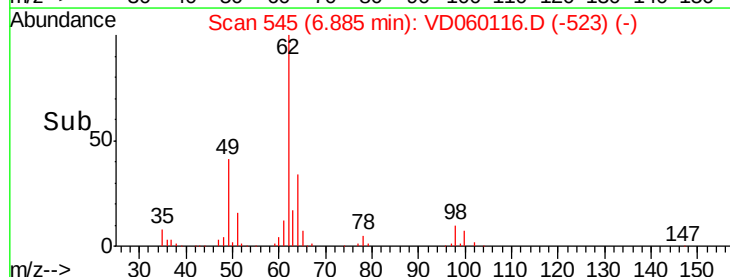
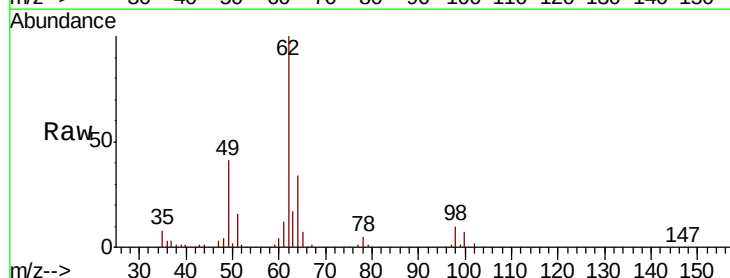
Acq: 3 Oct 2018 14:13

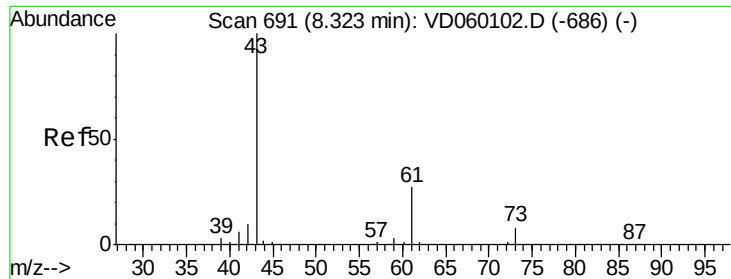
Tgt Ion: 62 Resp: 327360

Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.6





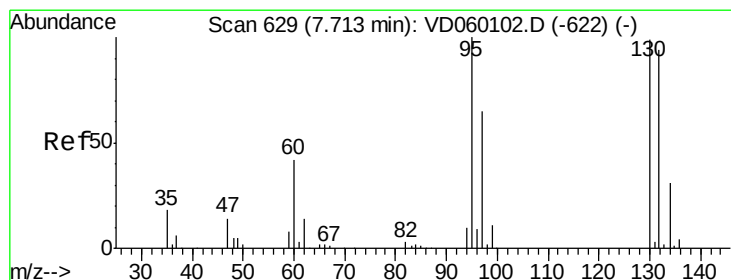
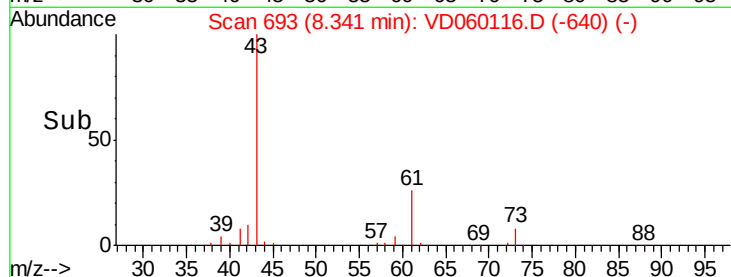
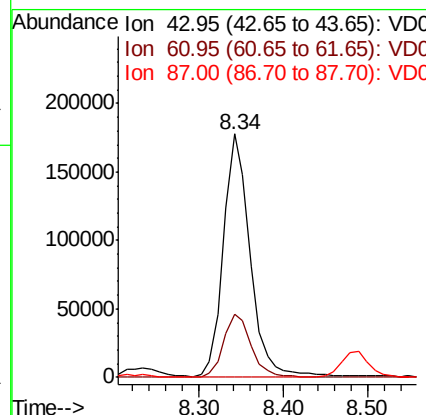
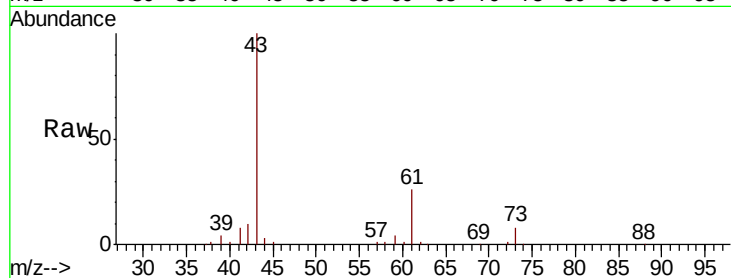
#43
Isopropyl Acetate
Concen: 21.411 ug/l
RT: 8.34 min Scan# 693
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.4	32.2
87	0.0	0.2	0.2

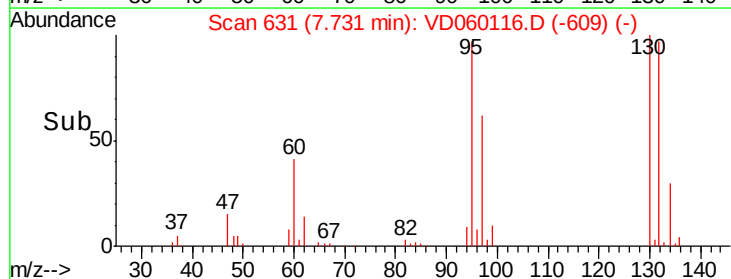
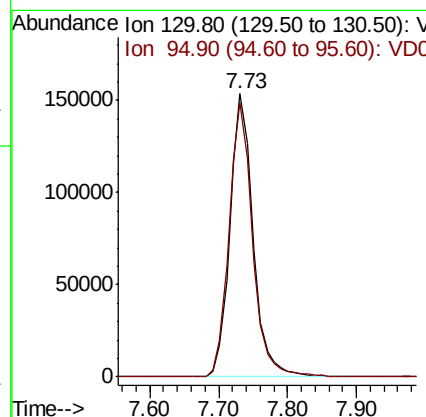
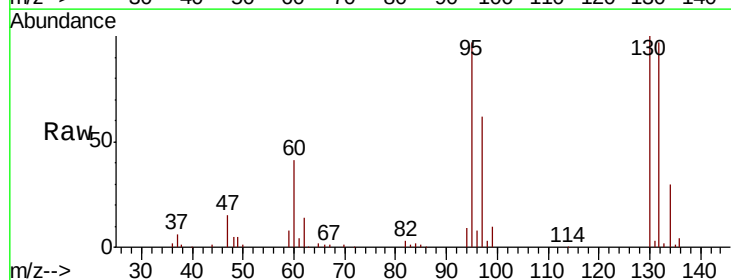
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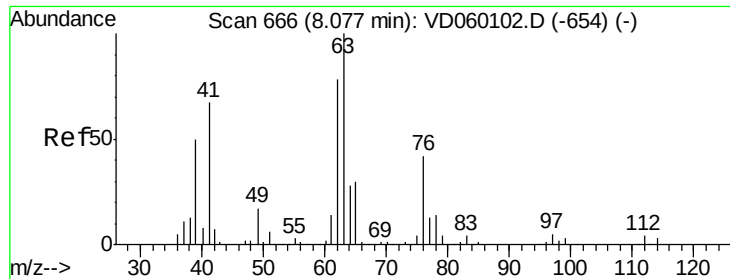
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#44
Trichloroethene
Concen: 21.285 ug/l
RT: 7.73 min Scan# 631
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	202.2





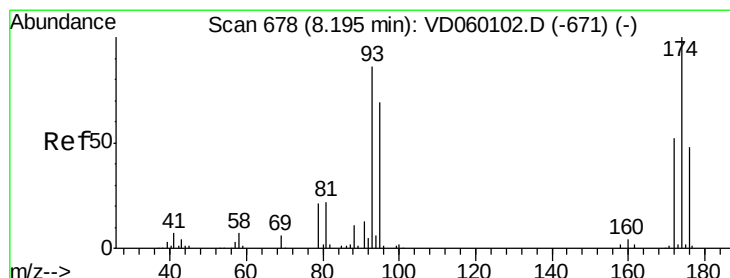
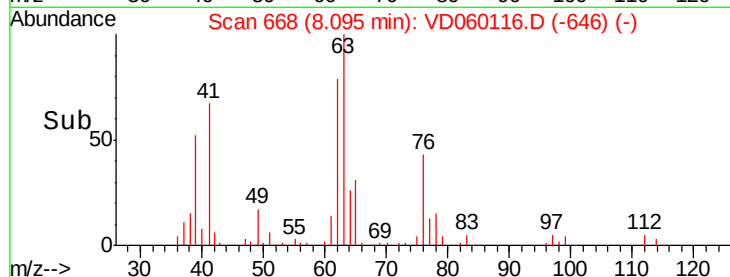
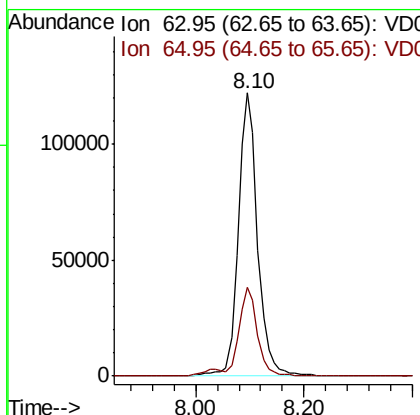
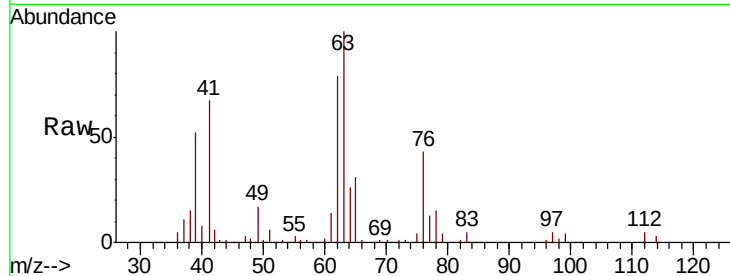
#45
 1,2-Dichloropropane
 Concen: 21.412 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion: 63 Resp: 303696
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.1 36.1

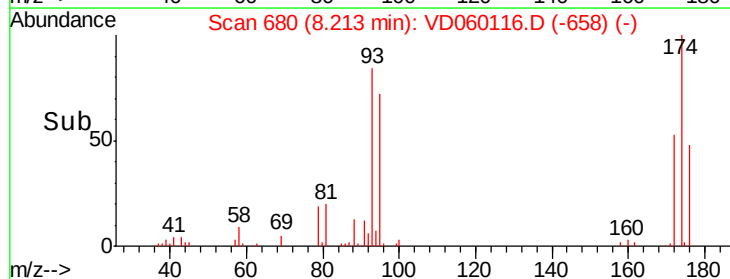
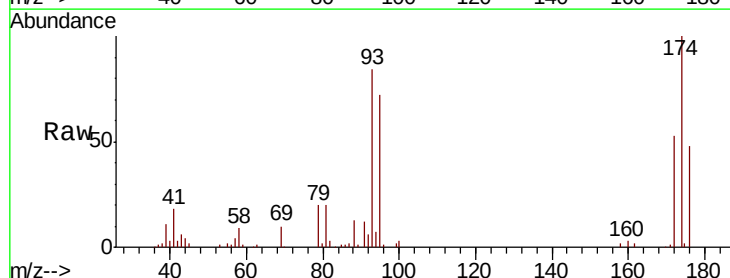
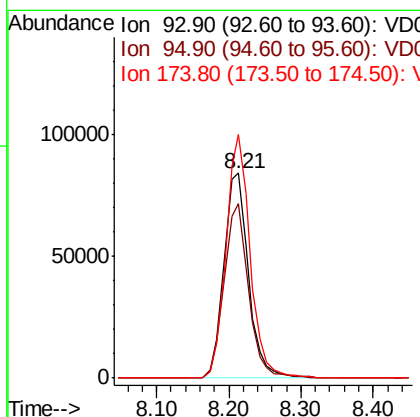
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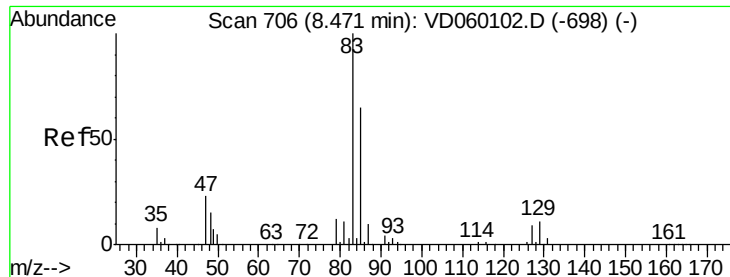
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#46
 Dibromomethane
 Concen: 21.635 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion: 93 Resp: 198663
 Ion Ratio Lower Upper
 93 100
 95 85.3 63.8 95.6
 174 118.8 92.9 139.3





#47

Bromodichloromethane

Concen: 21.706 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

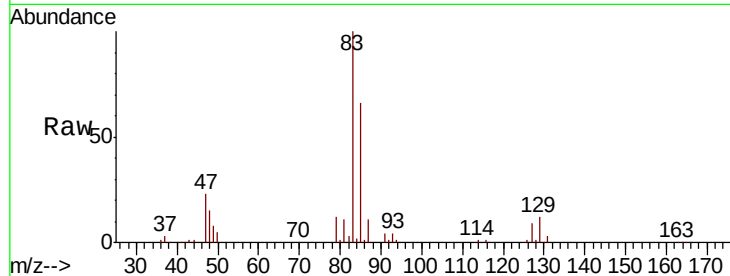
ClientSampleId :

VD1003SBS01

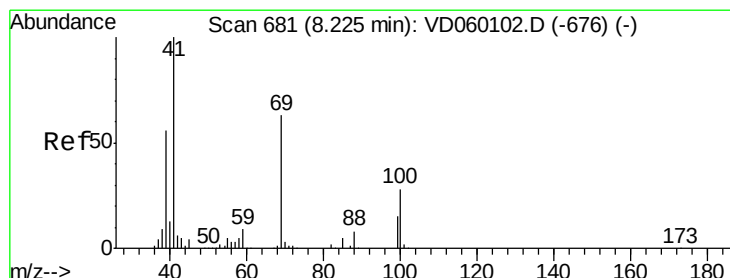
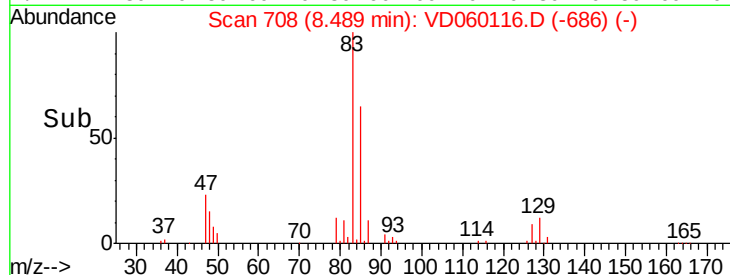
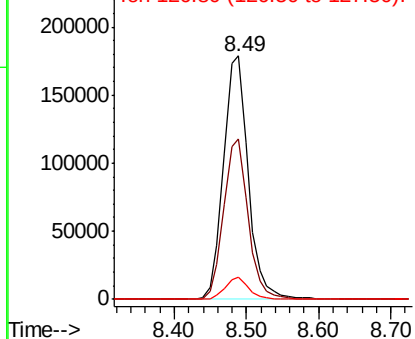
Tot Ion:	83	Resp:	424685
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.2	78.2
127	8.9	7.4	11.0

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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: 22.143 ug/l

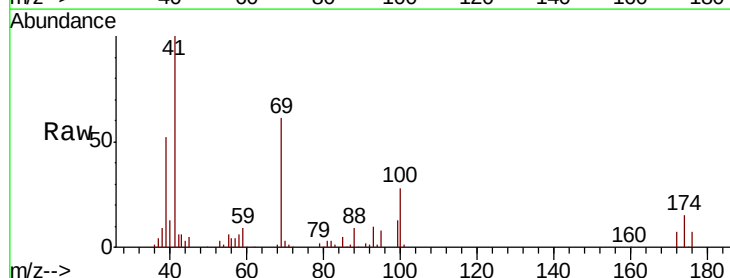
RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

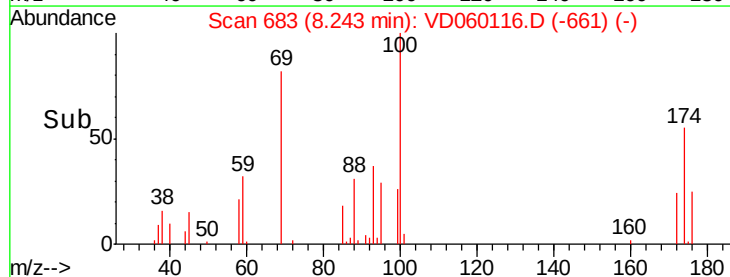
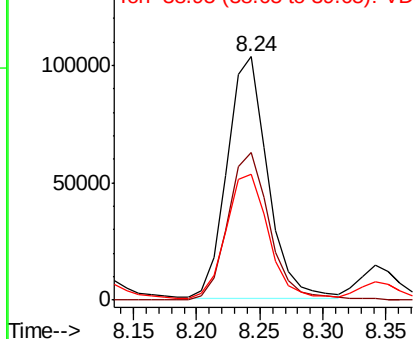
Lab File: VD060116.D

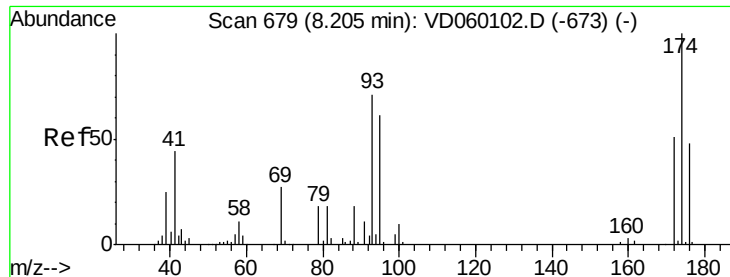
Acq: 3 Oct 2018 14:13

Tgt Ion:	41	Resp:	228053
Ion Ratio	Lower	Upper	
41	100		
69	60.6	49.7	74.5
39	51.5	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





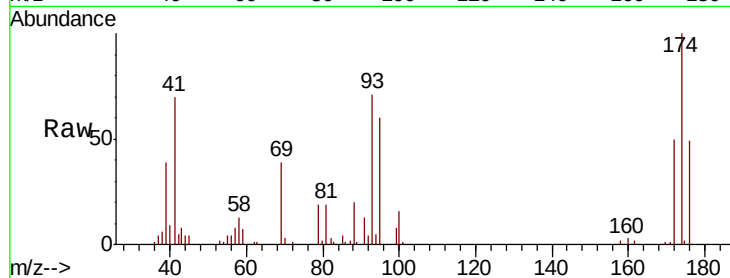
#49
1,4-Dioxane
Concen: 447.645 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

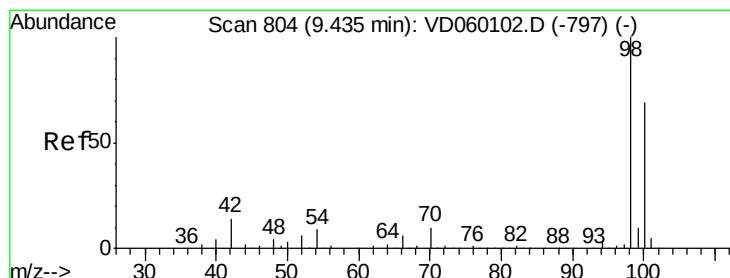
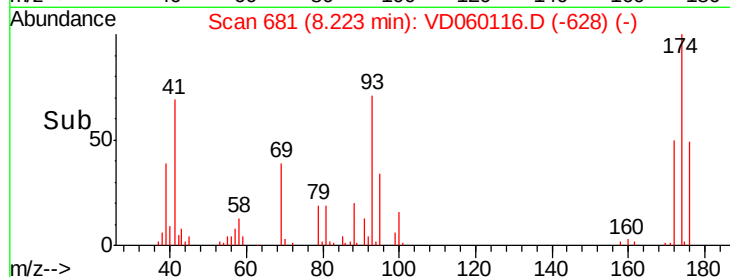
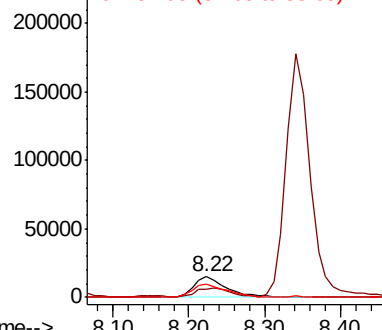
Tot Ion	88	Resp	45362
Ion Ratio	100	Lower	Upper
43	42.1	33.7	50.5
58	67.9	49.1	73.7

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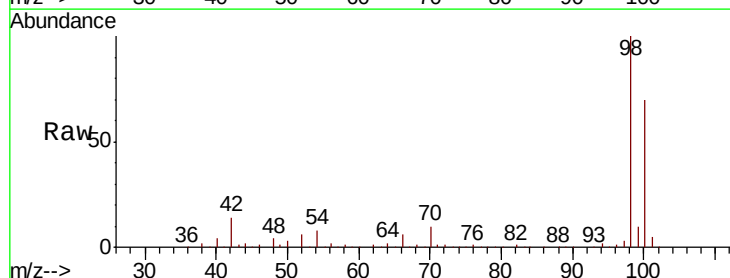


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

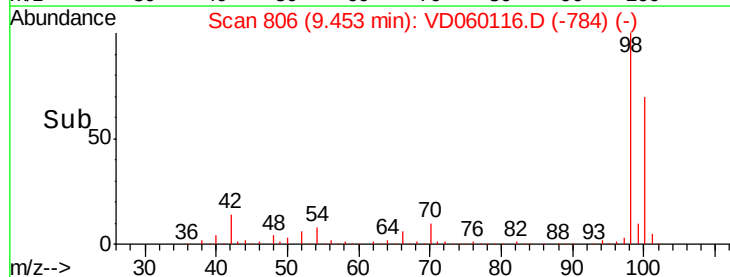
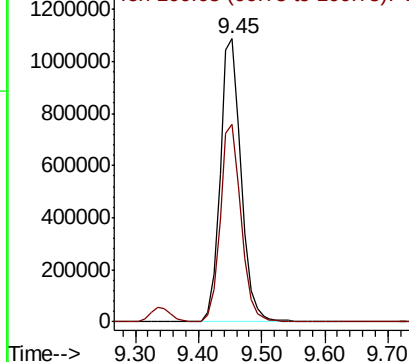


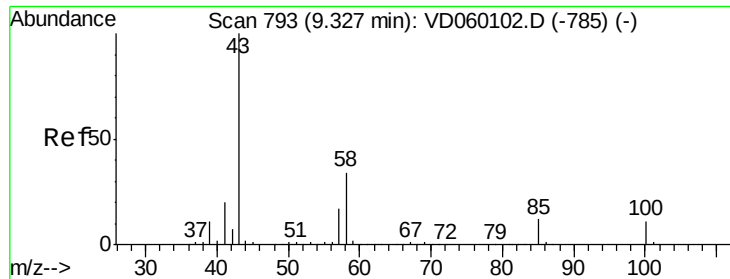
#50
Toluene-d8
Concen: 447.645 ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion	98	Resp	2511232
Ion Ratio	100	Lower	Upper
98	100	55.4	83.0
100	70.0	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: 110.952 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 1265309

Ion Ratio Lower Upper

43 100

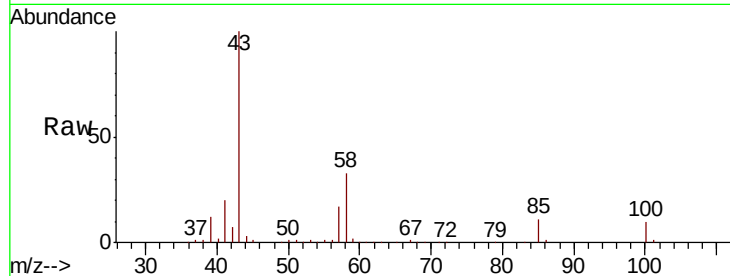
58 33.2 27.2 40.8

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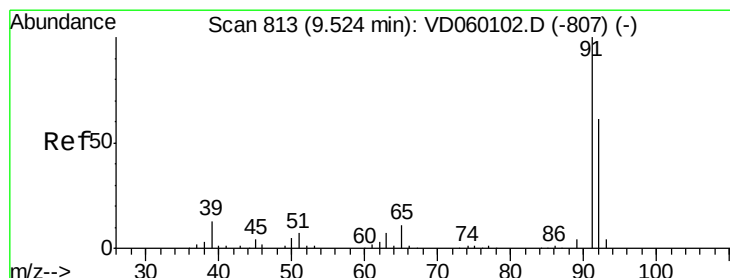
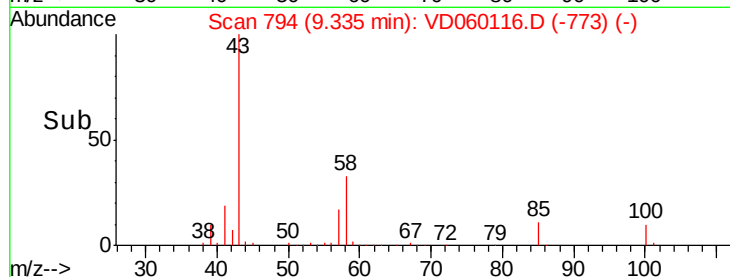
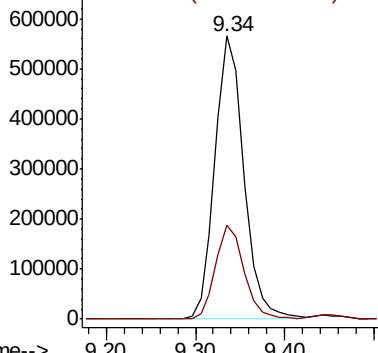
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.722 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060116.D

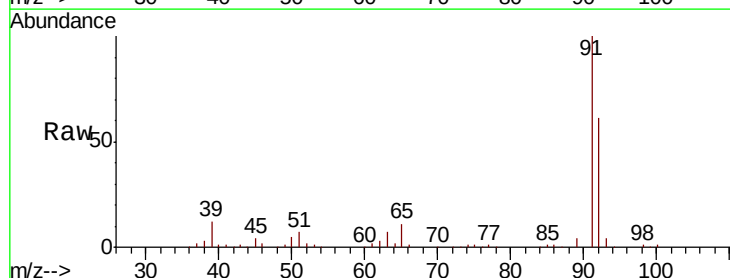
Acq: 3 Oct 2018 14:13

Tgt Ion: 92 Resp: 757802

Ion Ratio Lower Upper

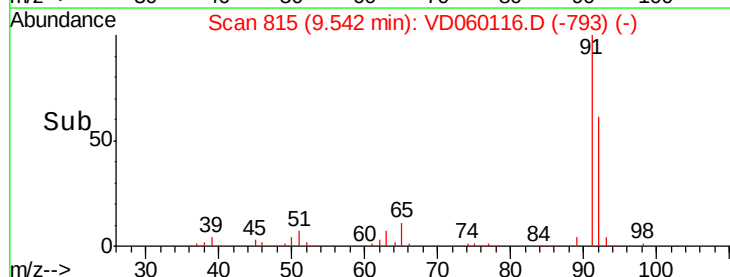
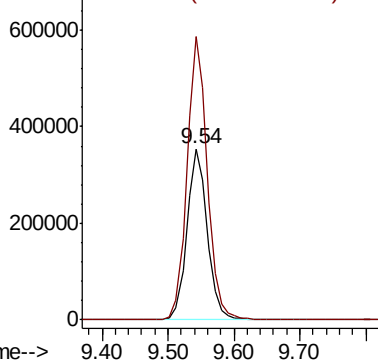
92 100

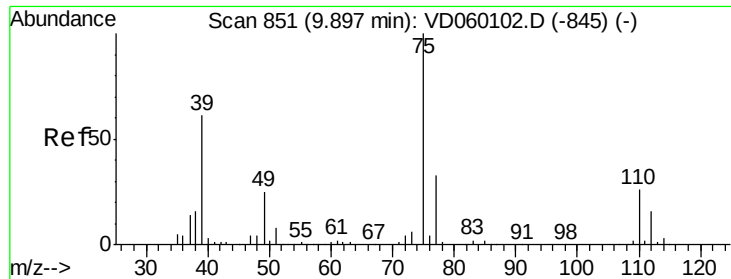
91 165.3 131.9 197.9



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: 21.943 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 75 Resp: 388472

Ion Ratio Lower Upper

75 100

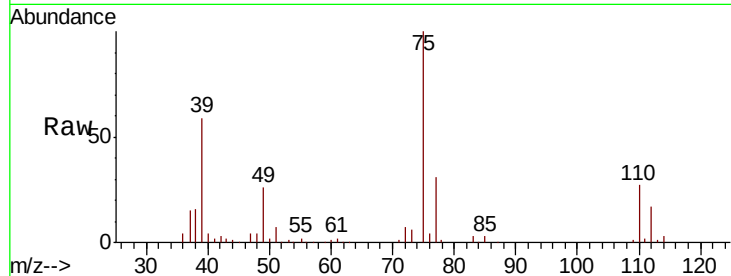
77 31.2 26.2 39.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

200000

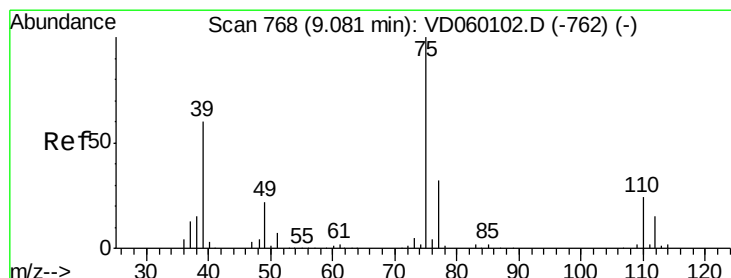
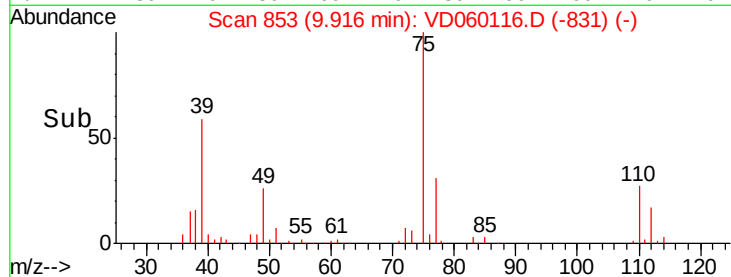
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.475 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

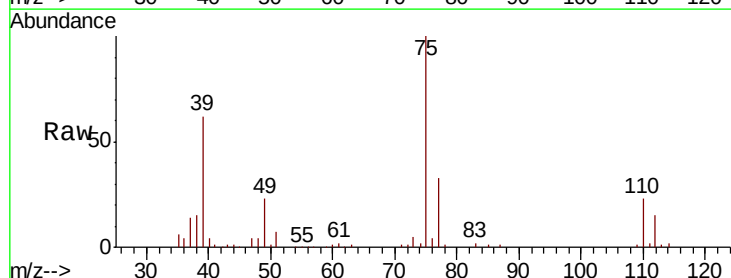
Tgt Ion: 75 Resp: 469478

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5

39 61.7 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

300000

250000

200000

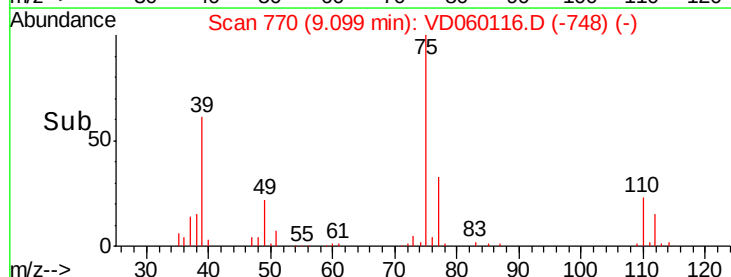
150000

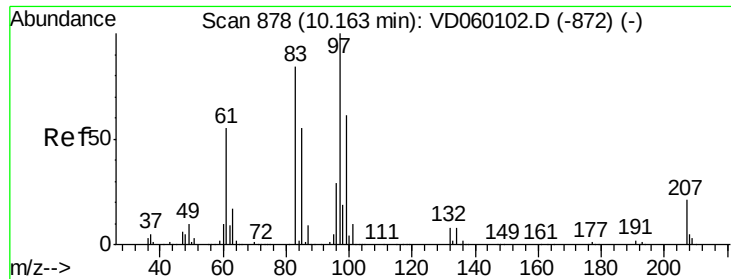
100000

50000

0

Time-->





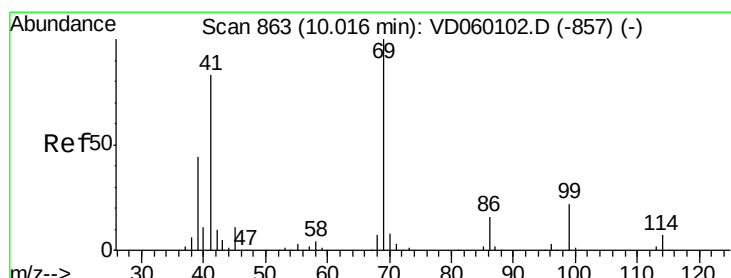
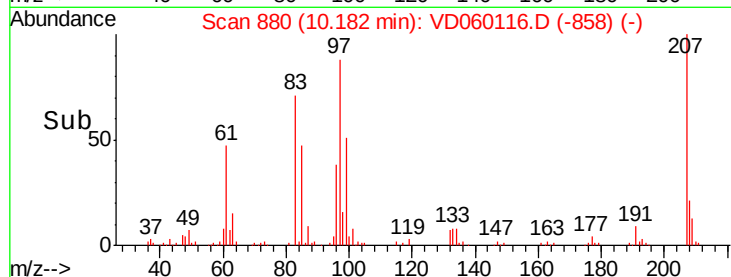
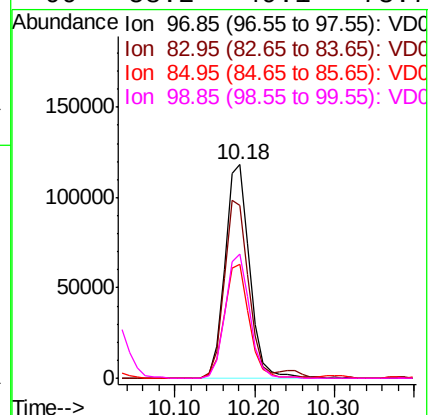
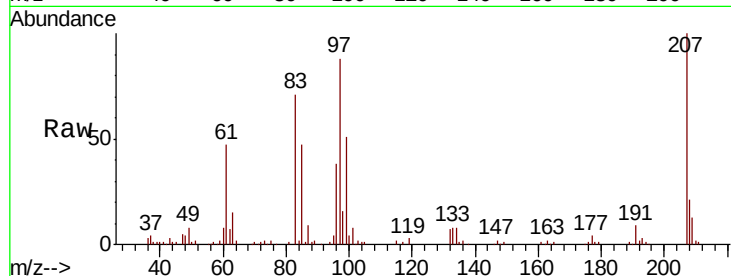
#55
 1,1,2-Trichloroethane
 Concen: 22.620 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	97	Resp	257970
Ion	Ratio	Lower	Upper
97	100		
83	81.2	67.0	100.6
85	53.2	43.9	65.9
99	58.2	49.1	73.7

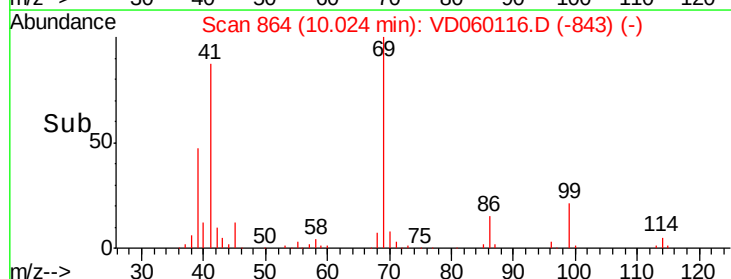
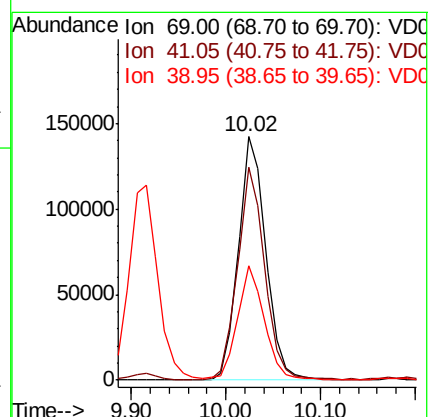
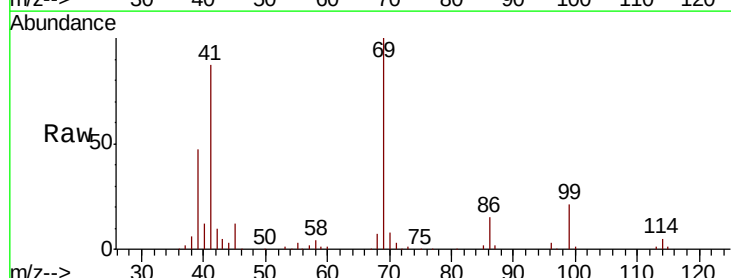
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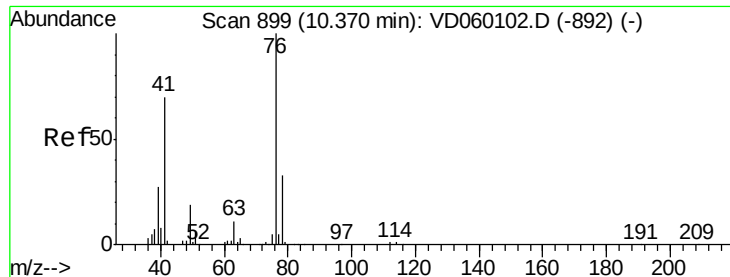
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#56
 Ethyl methacrylate
 Concen: 22.703 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion	69	Resp	285814
Ion	Ratio	Lower	Upper
69	100		
41	87.4	66.6	100.0
39	46.8	36.0	54.0





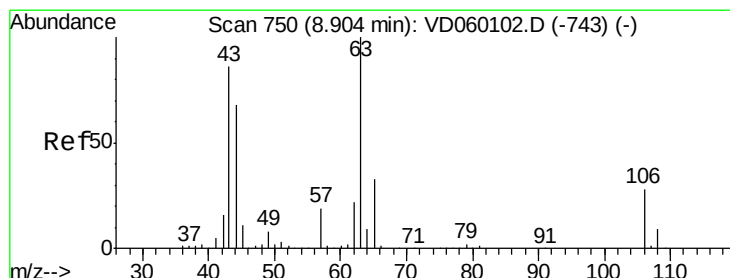
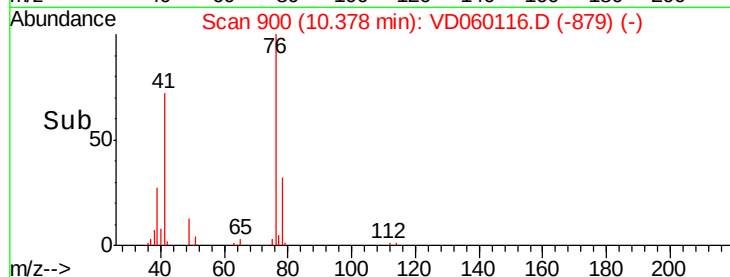
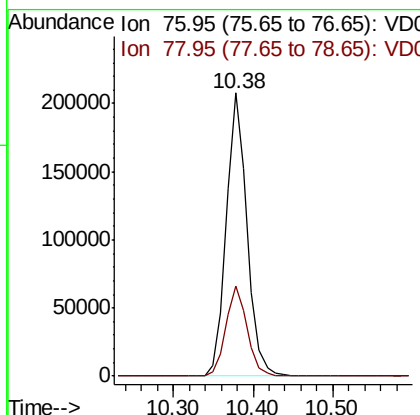
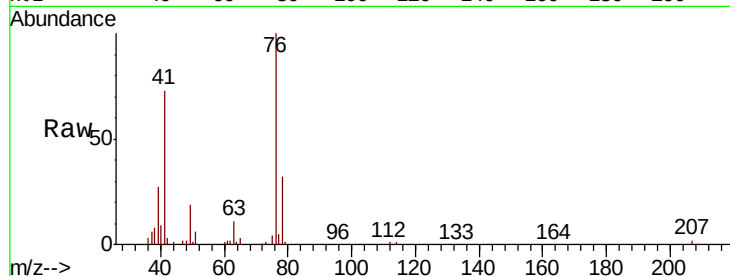
#57
 1,3-Dichloropropane
 Concen: 21.957 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion: 76 Resp: 381914
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

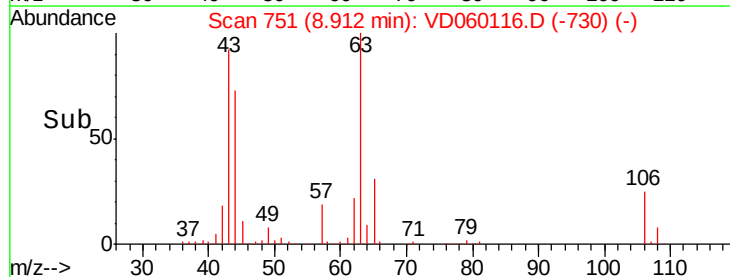
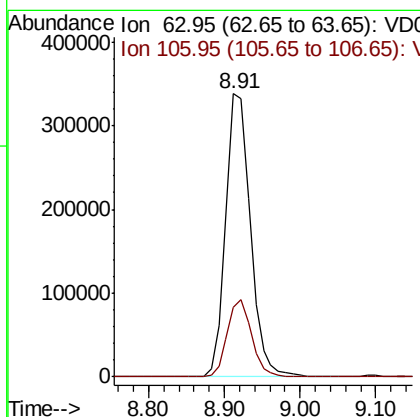
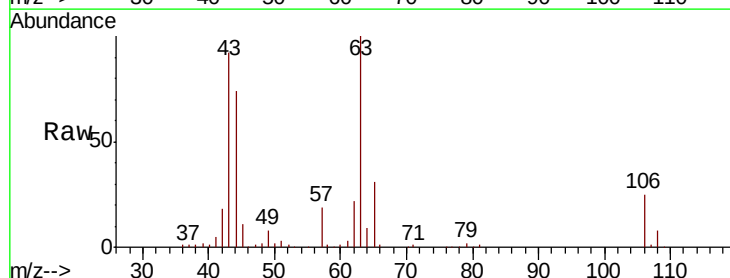
Manual Integrations
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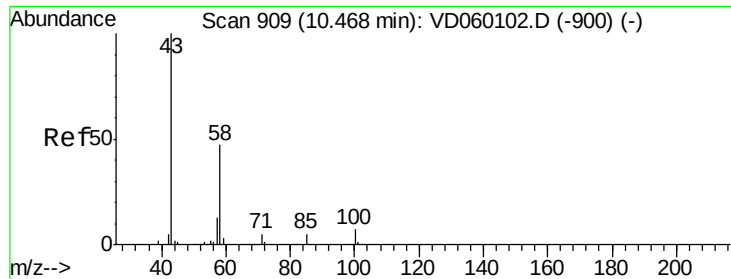
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.679 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion: 63 Resp: 766752
 Ion Ratio Lower Upper
 63 100
 106 24.8 22.6 34.0





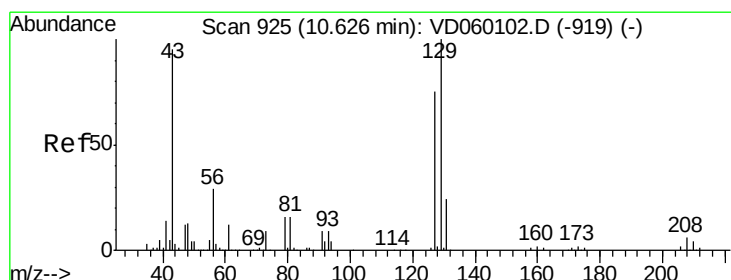
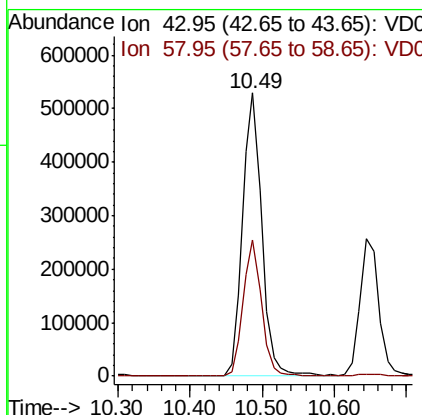
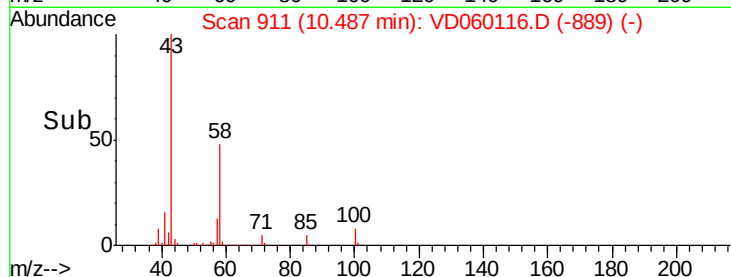
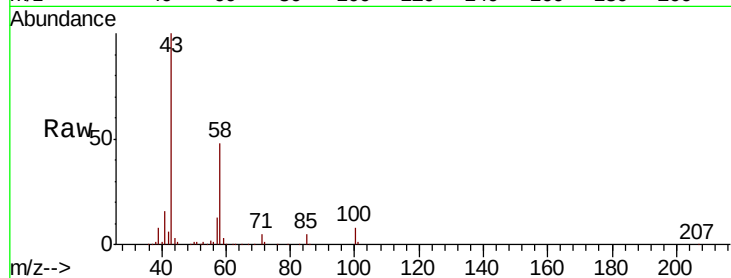
#59
2-Hexanone
Concen: 120.915 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 43 Resp: 991558
Ion Ratio Lower Upper
43 100
58 48.1 23.3 69.9

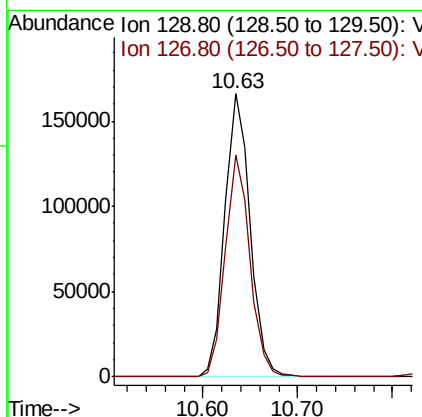
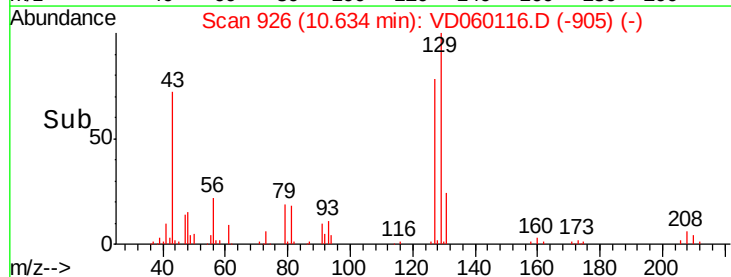
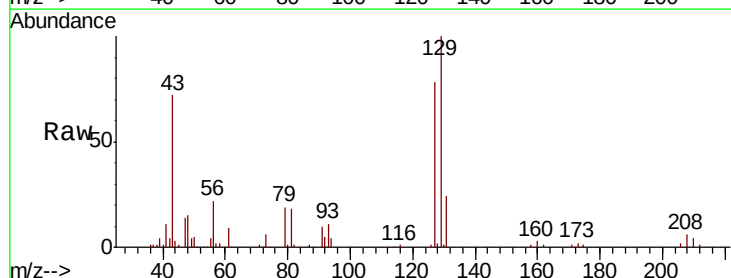
Manual Integrations
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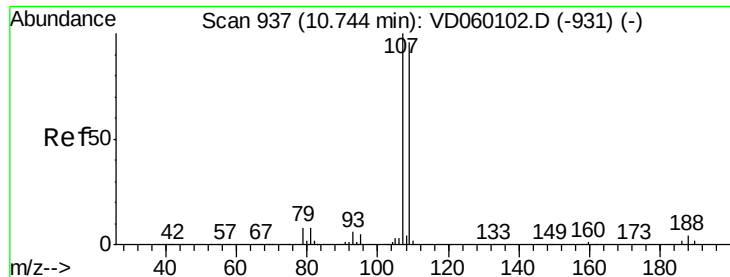
apatel
10/4/2018 4:44:52 PM



#60
Dibromochloromethane
Concen: 22.006 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion: 129 Resp: 307933
Ion Ratio Lower Upper
129 100
127 78.5 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.293 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:107 Resp: 258028

Ion Ratio Lower Upper

107 100

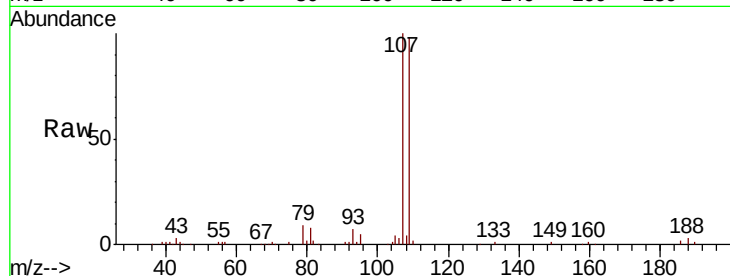
109 98.0 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

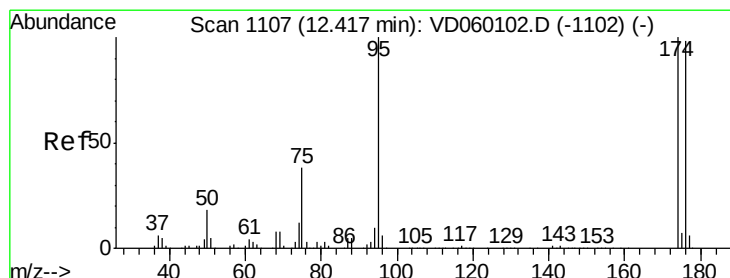
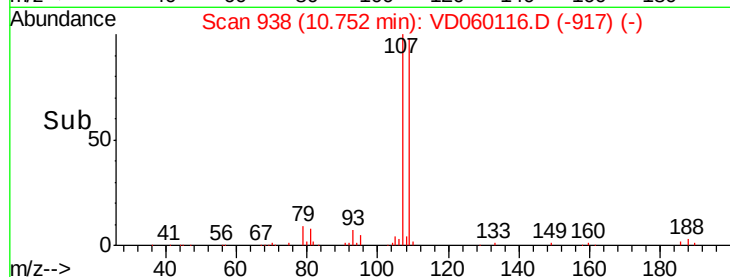
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.293 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

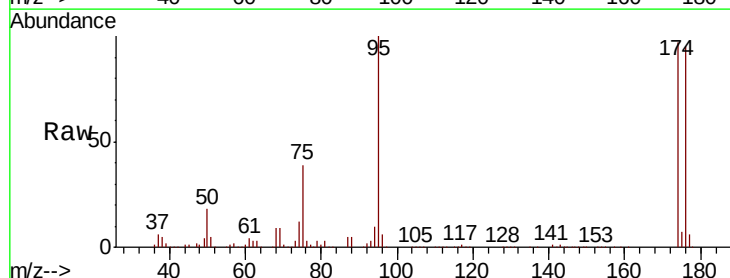
Tgt Ion: 95 Resp: 941713

Ion Ratio Lower Upper

95 100

174 97.4 0.0 200.2

176 95.4 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

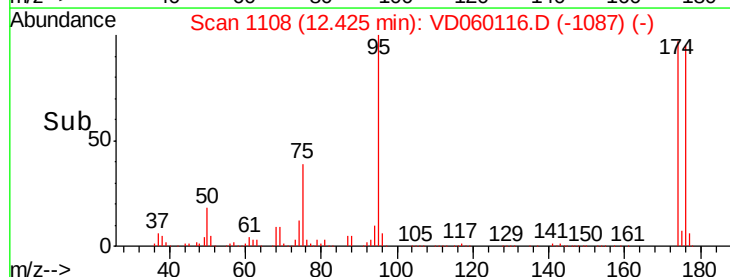
600000

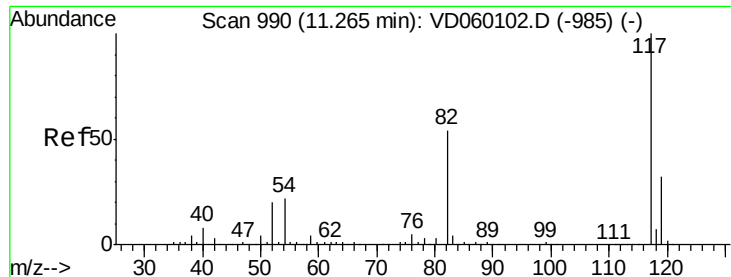
400000

200000

0

Time-->





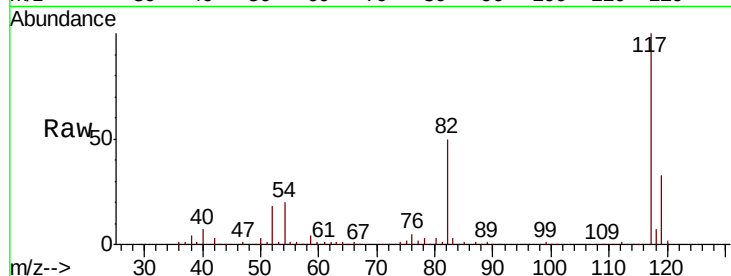
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

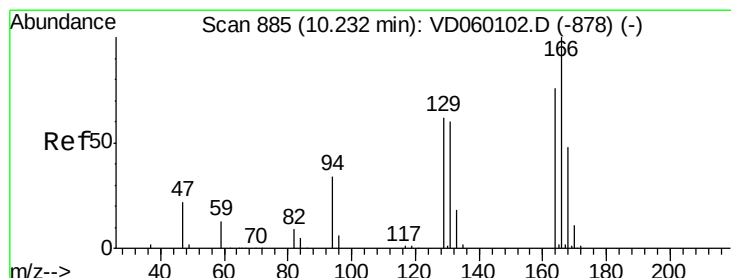
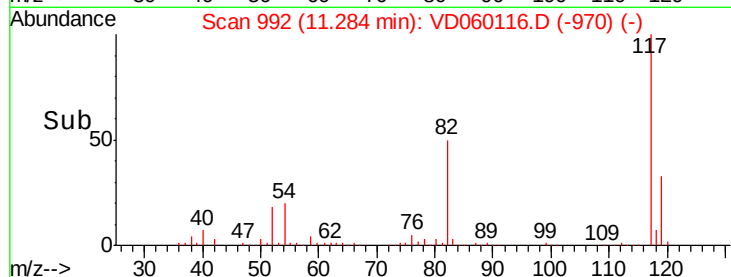
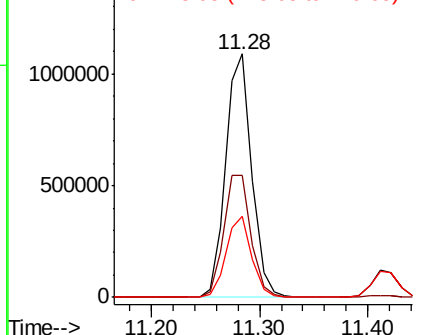
Tot Ion:117 Resp: 1820132
Ion Ratio Lower Upper
117 100
82 50.2 43.4 65.2
119 33.2 26.0 39.0

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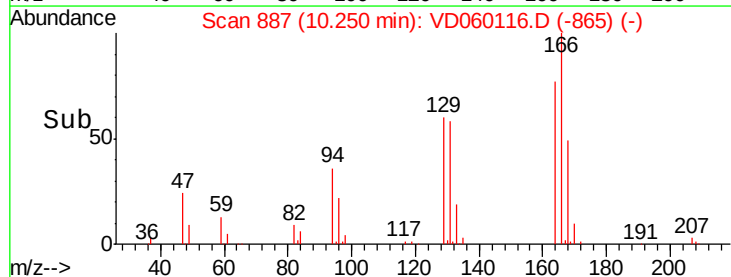
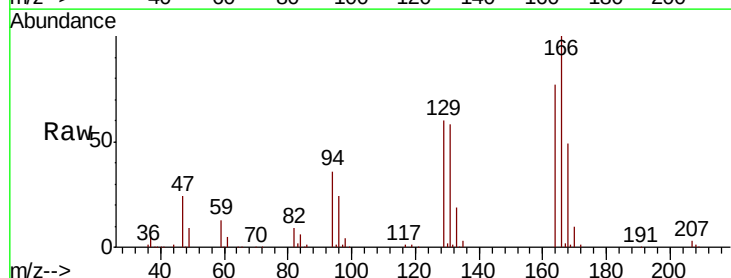
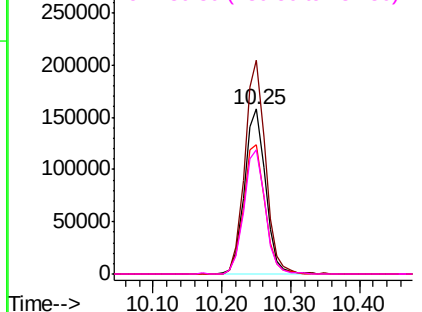
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

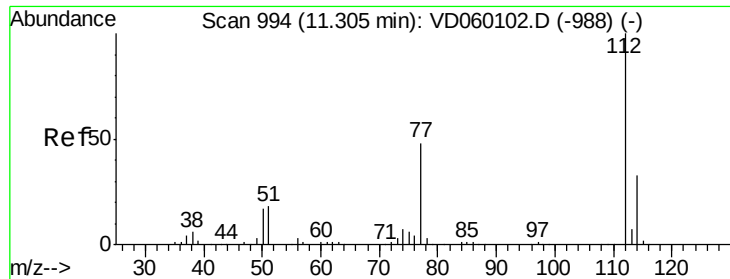


#64
Tetrachloroethene
Concen: 20.884 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion:164 Resp: 332928
Ion Ratio Lower Upper
164 100
166 129.8 105.4 158.0
129 78.4 65.7 98.5
131 75.7 62.9 94.3

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





#65

Chlorobenzene

Concen: 21.121 ug/l

RT: 11.31 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:112 Resp: 831667

Ion Ratio Lower Upper

112 100

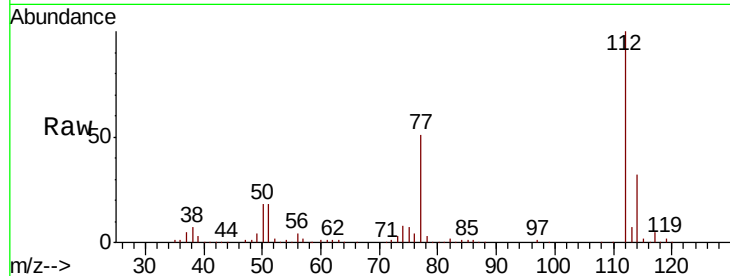
114 32.3 26.0 39.0

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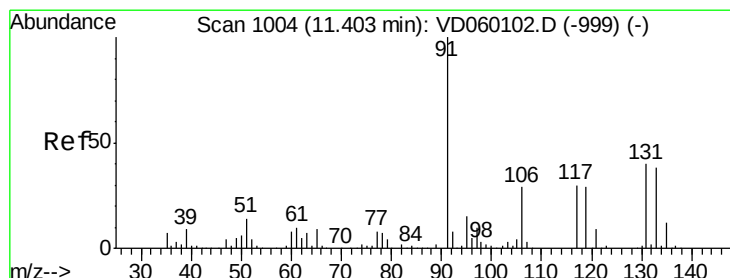
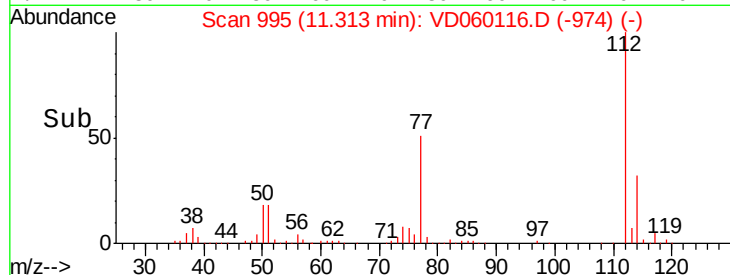
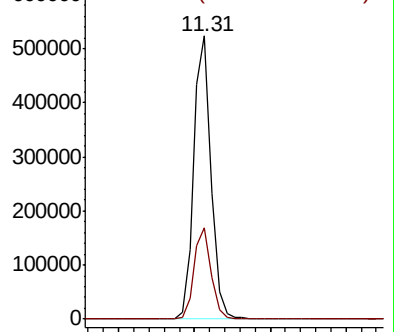
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.539 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

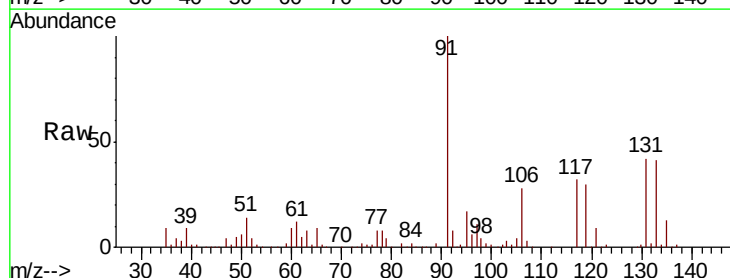
Tgt Ion:131 Resp: 282936

Ion Ratio Lower Upper

131 100

133 97.5 47.4 142.3

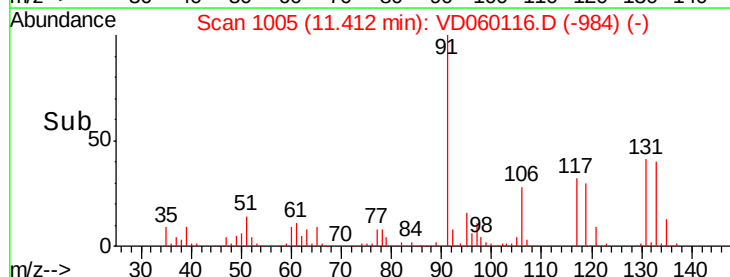
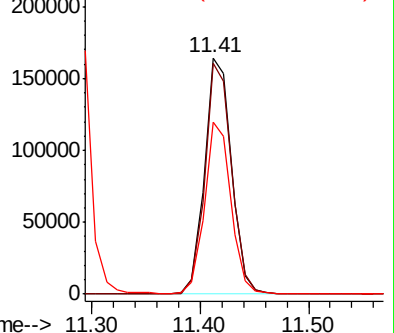
119 72.5 36.1 108.3

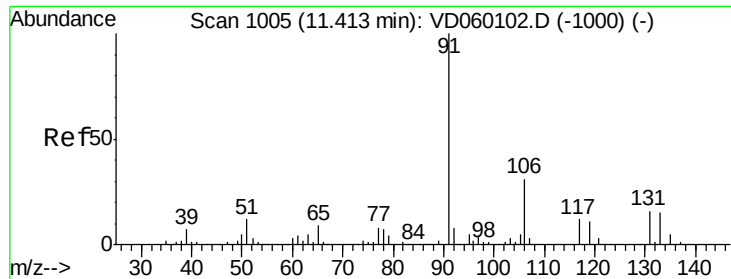


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





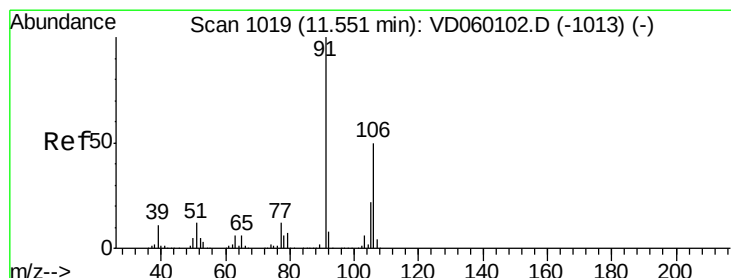
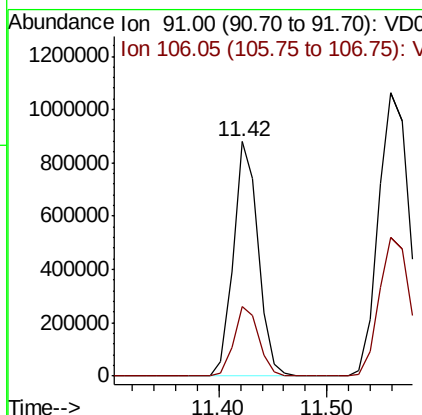
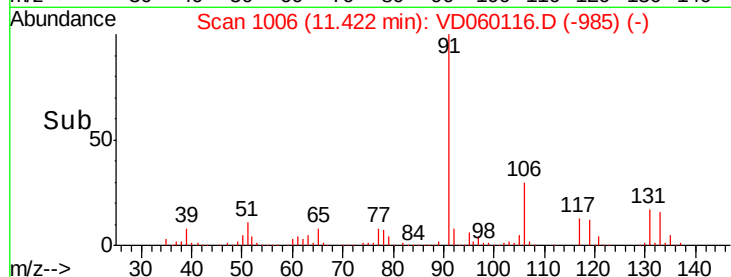
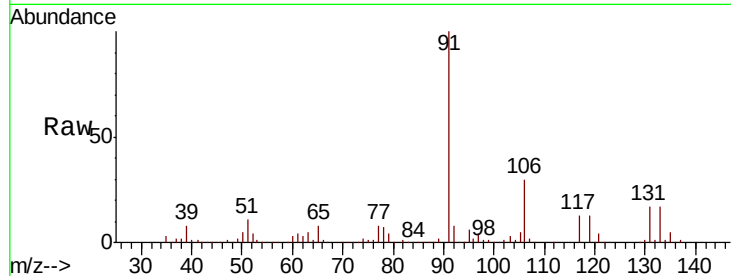
#67
Ethyl Benzene
Concen: 21.974 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 91 Resp: 1401865
Ion Ratio Lower Upper
91 100
106 29.5 24.4 36.6

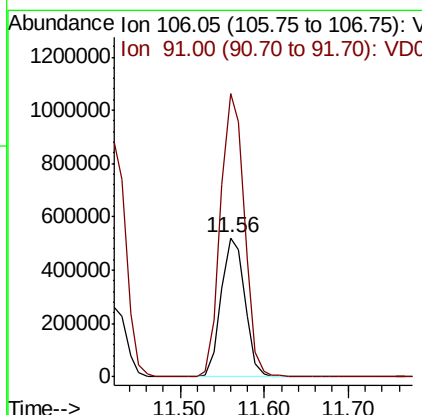
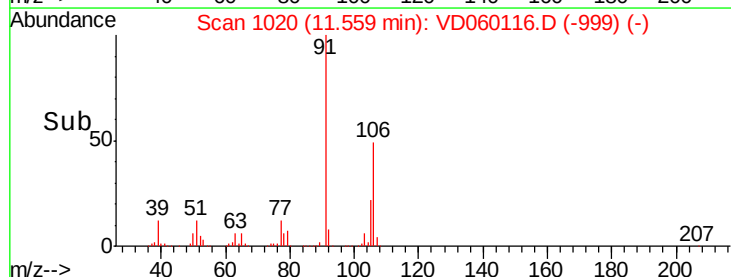
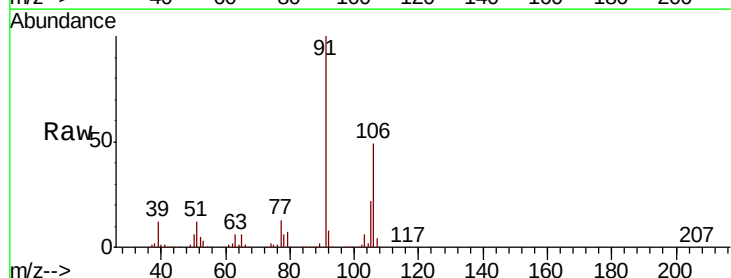
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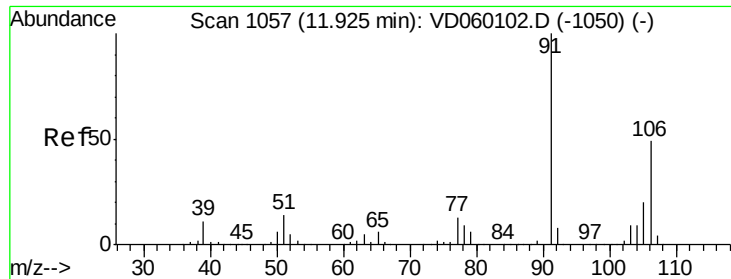
apatel
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#68
m/p-Xylenes
Concen: 42.989 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion: 106 Resp: 1024713
Ion Ratio Lower Upper
106 100
91 203.2 160.0 240.0





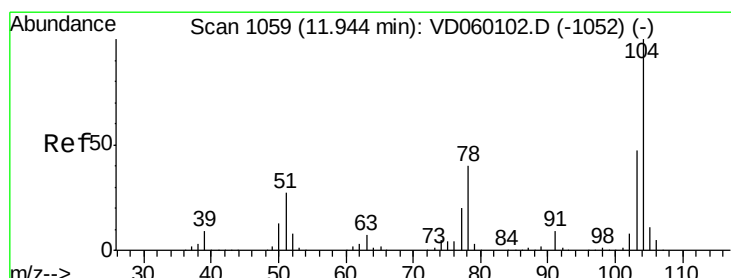
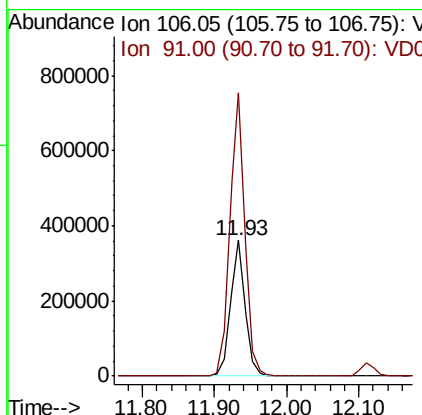
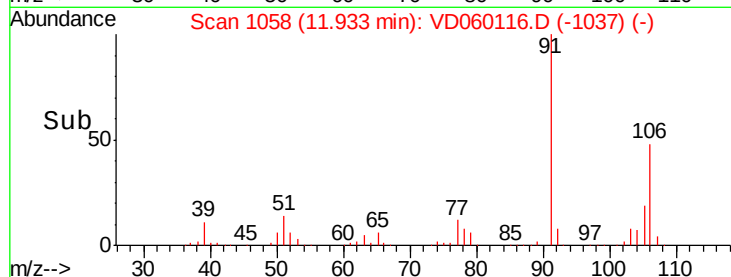
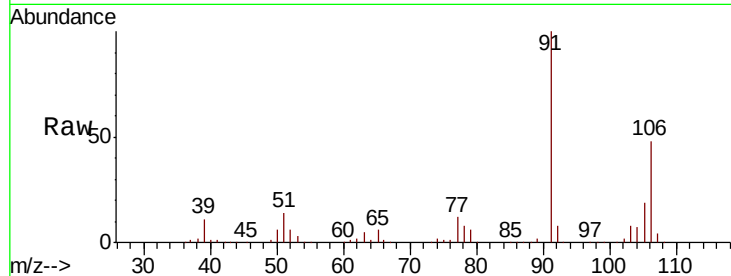
#69
o-Xylene
Concen: 21.548 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion:106 Resp: 508040
Ion Ratio Lower Upper
106 100
91 208.4 102.5 307.5

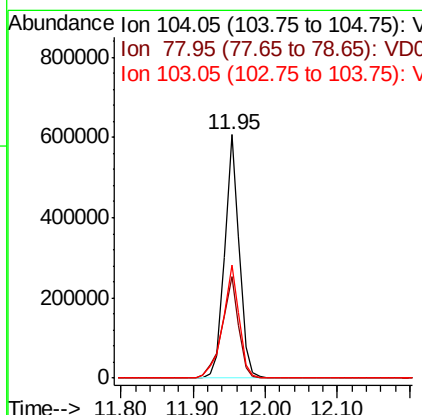
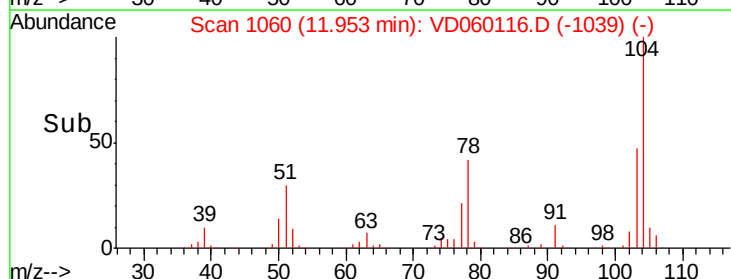
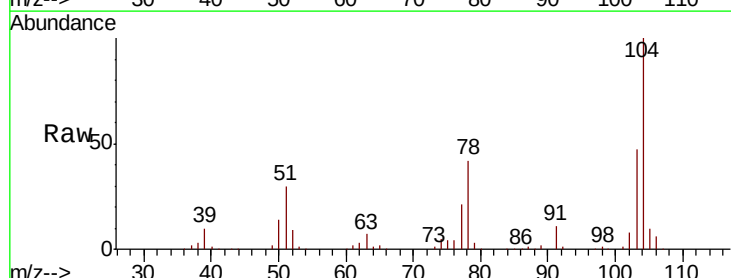
Manual Integrations
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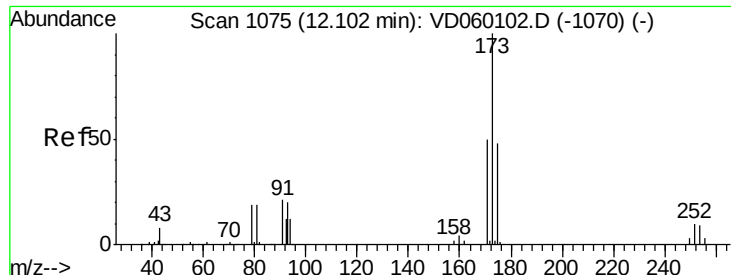
apatel
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#70
Styrene
Concen: 21.469 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion:104 Resp: 846512
Ion Ratio Lower Upper
104 100
78 41.5 32.2 48.4
103 46.7 37.4 56.0





#71

Bromoform

Concen: 20.490 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

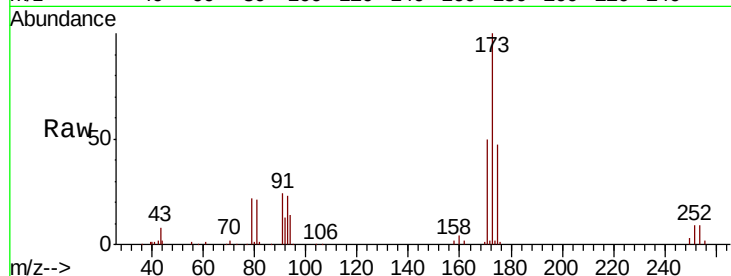
ClientSampleId :

VD1003SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.1	72.4
254	9.3	7.4	11.0

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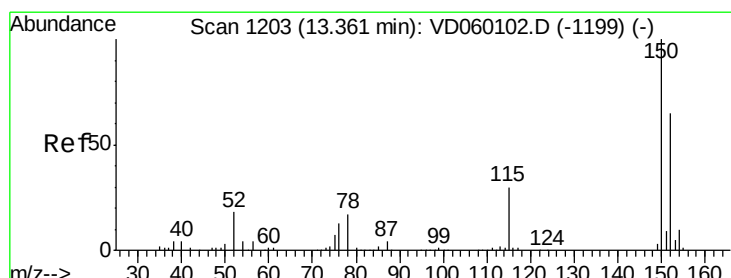
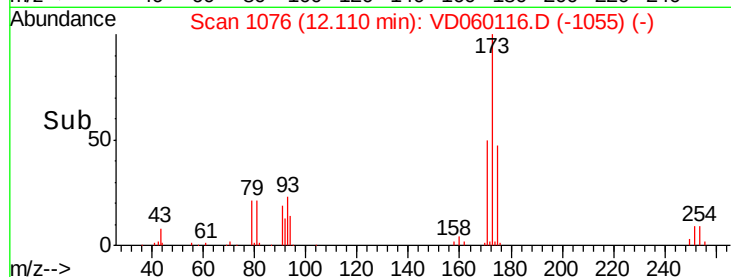
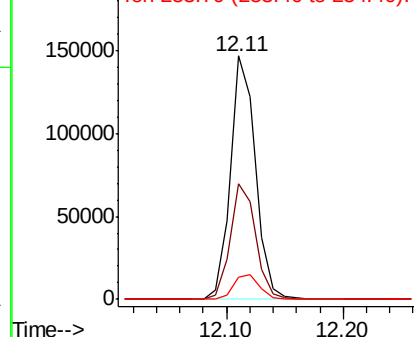


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

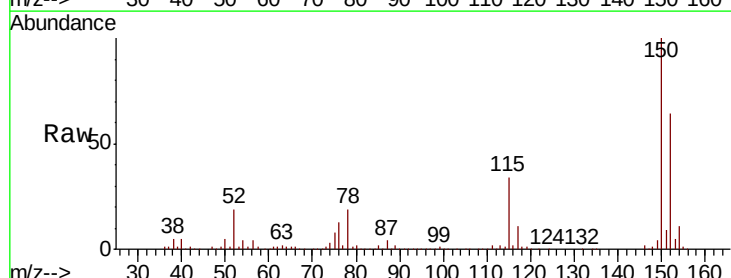
RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	27.1	81.2
150	156.7	0.0	311.8

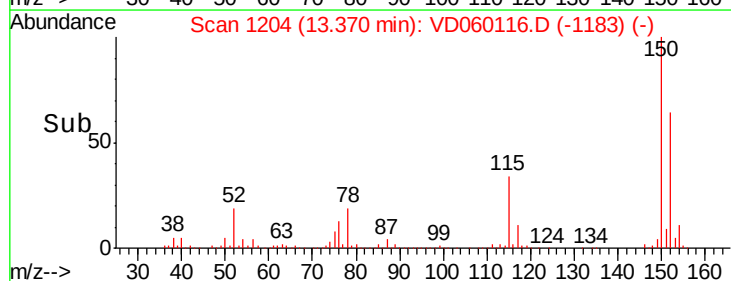
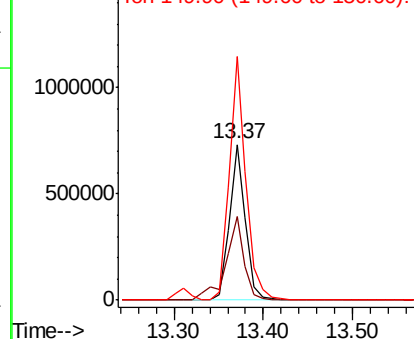


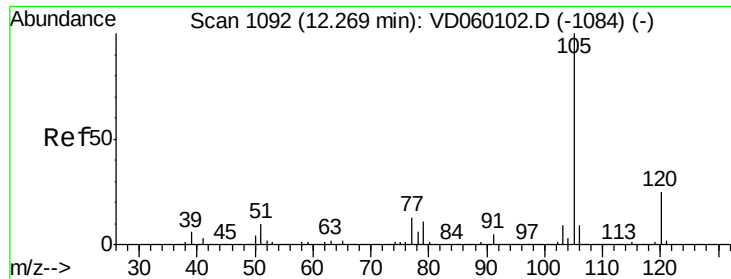
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.368 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:105 Resp: 1363158

Ion Ratio Lower Upper

105 100

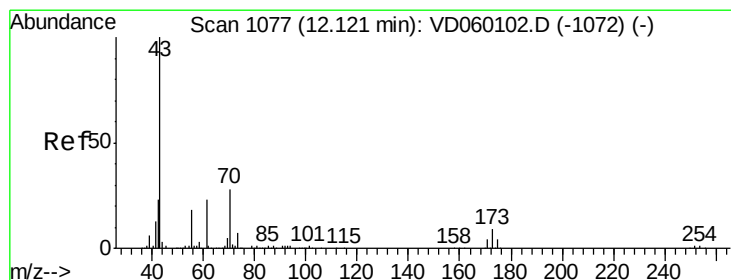
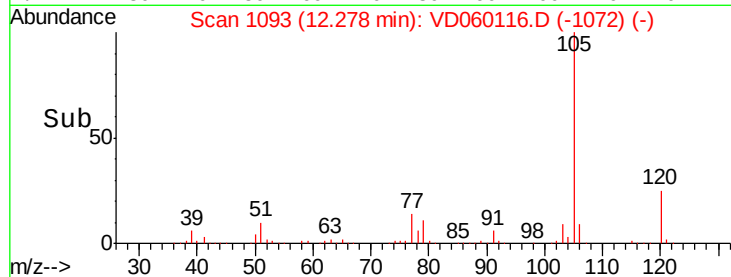
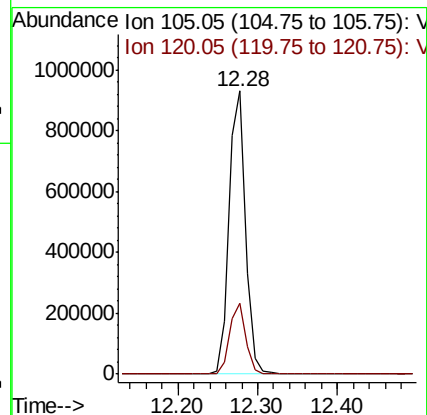
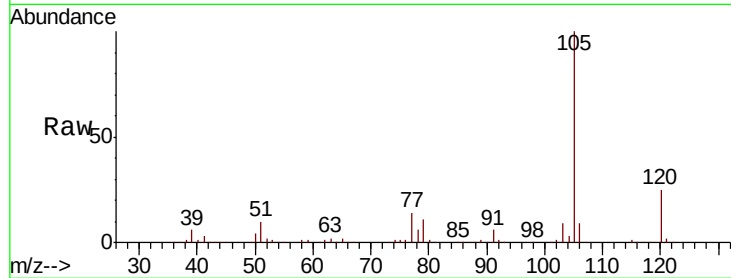
120 25.0 12.6 37.6

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#74

N-ethyl acetate

Concen: 22.791 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Tgt Ion: 43 Resp: 508775

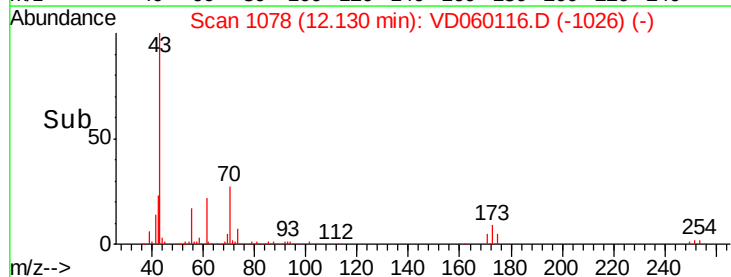
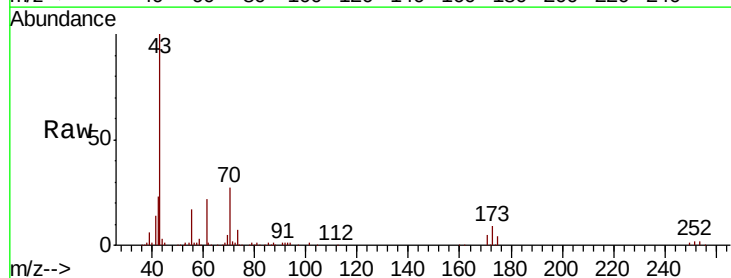
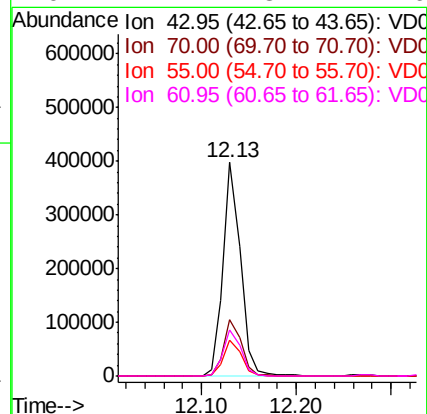
Ion Ratio Lower Upper

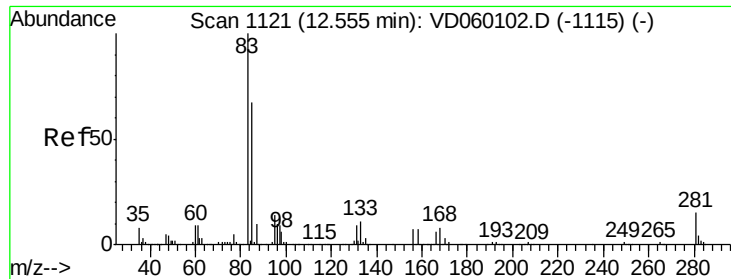
43 100

70 26.5 22.1 33.1

55 17.1 14.1 21.1

61 21.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.097 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 83 Resp: 307300

Ion Ratio Lower Upper

83 100

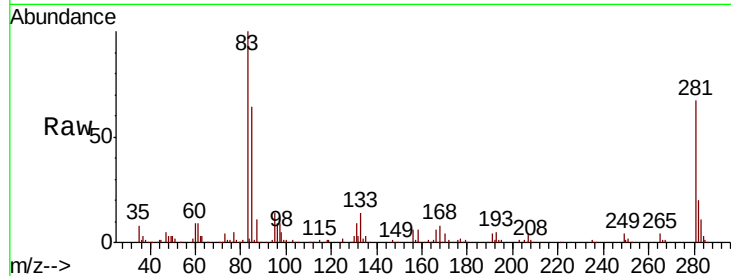
131 8.7 4.5 13.4

85 63.8 33.3 99.9

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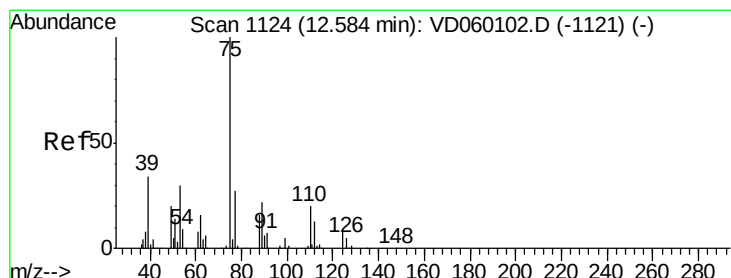
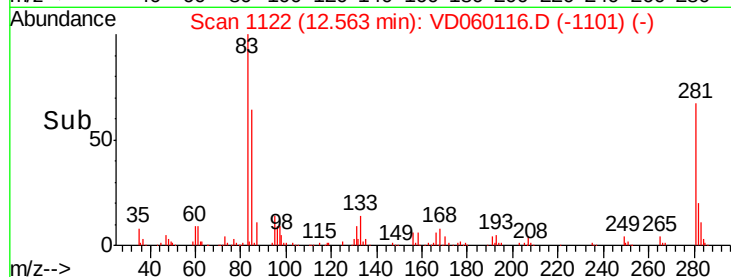
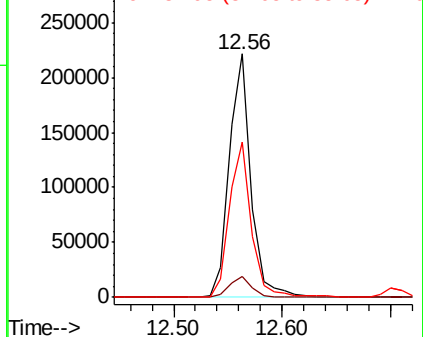
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.886 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060116.D

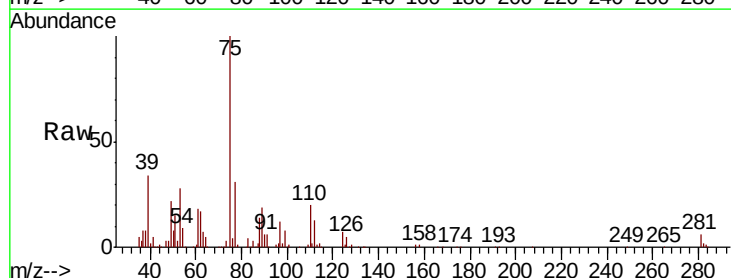
Acq: 3 Oct 2018 14:13

Tgt Ion: 75 Resp: 304471

Ion Ratio Lower Upper

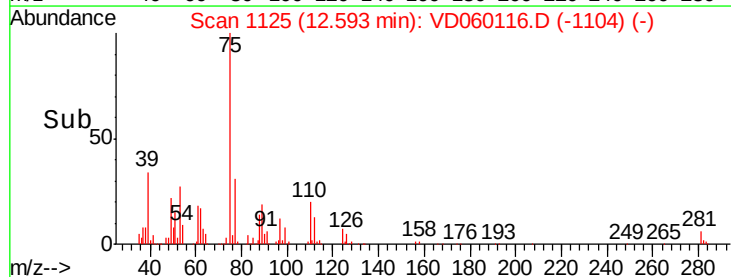
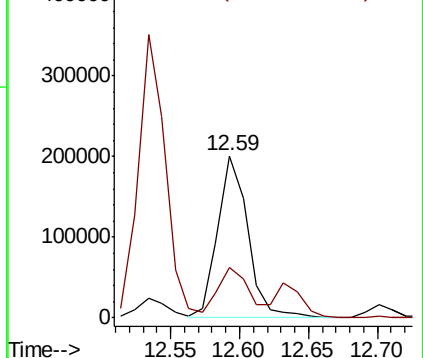
75 100

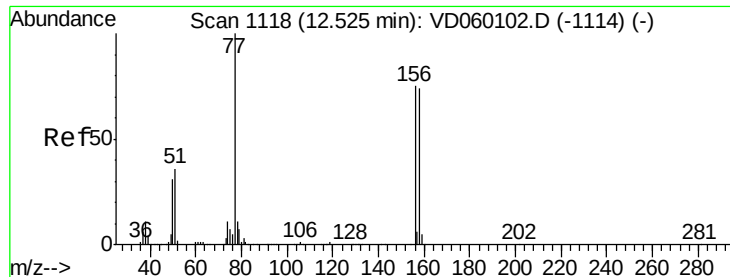
77 31.1 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





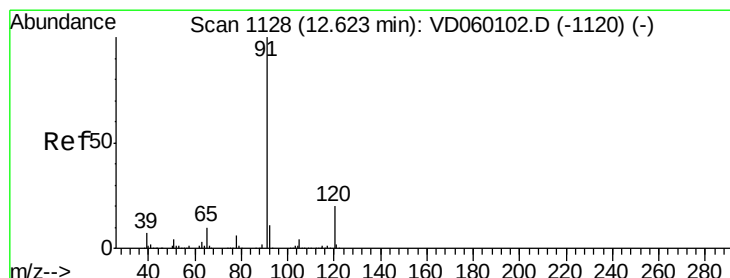
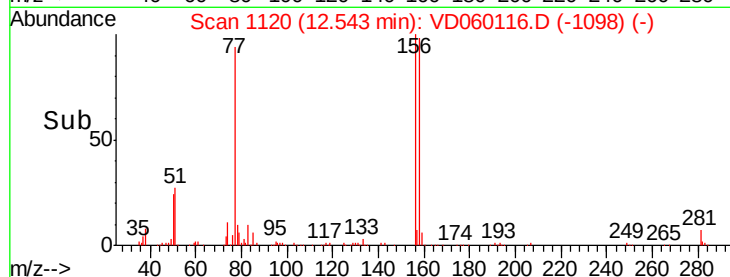
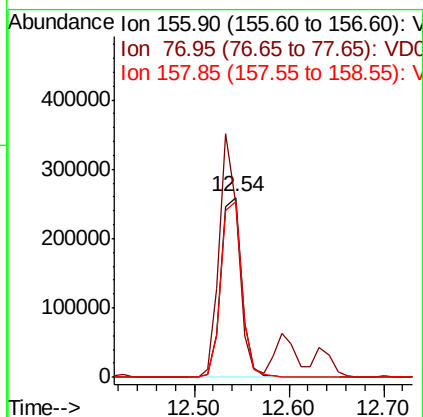
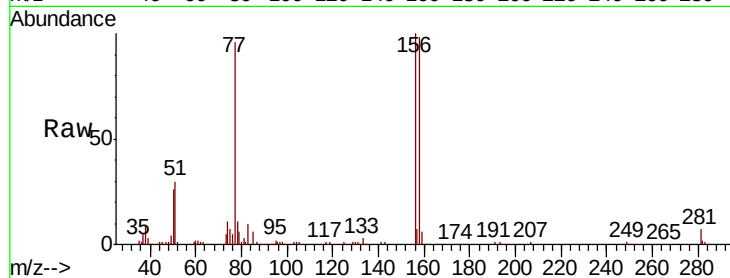
#77
Bromobenzene
Concen: 22.319 ug/l
RT: 12.54 min Scan# 1120
Delta R.T. 0.02 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	96.0	66.9	200.7
158	97.5	49.1	147.4

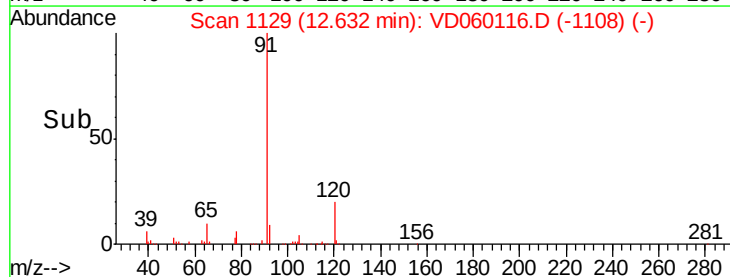
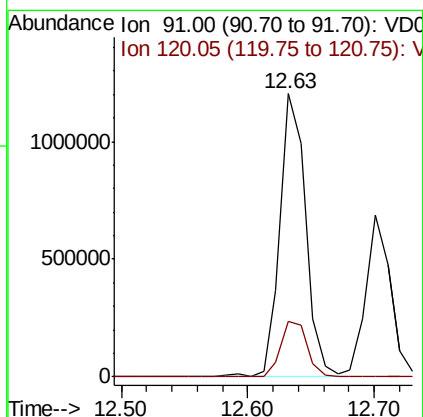
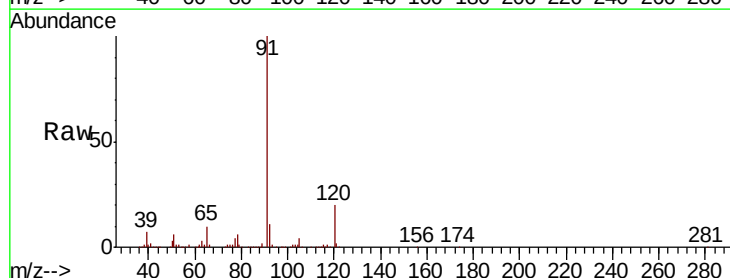
Manual Integrations
APPROVED

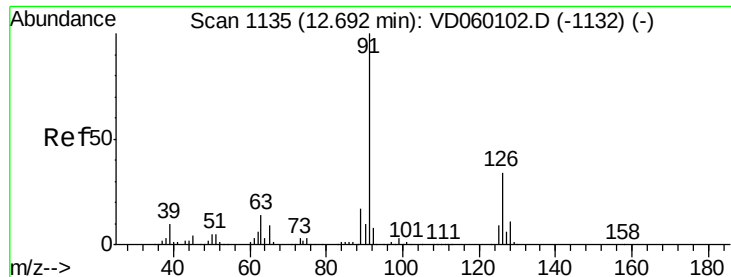
apatel
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#78
n-propylbenzene
Concen: 22.688 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.7	10.0	30.0





#79

2-Chlorotoluene

Concen: 21.848 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 91 Resp: 917627

Ion Ratio Lower Upper

91 100

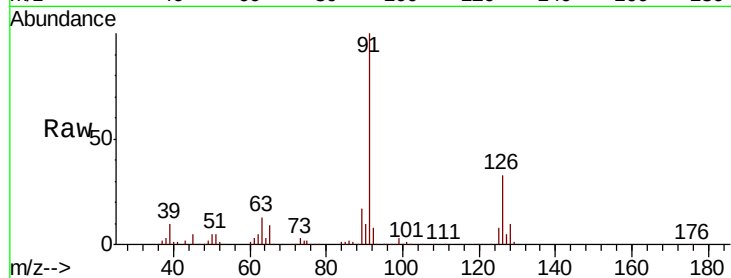
126 32.8 16.8 50.3

Manual Integrations

APPROVED

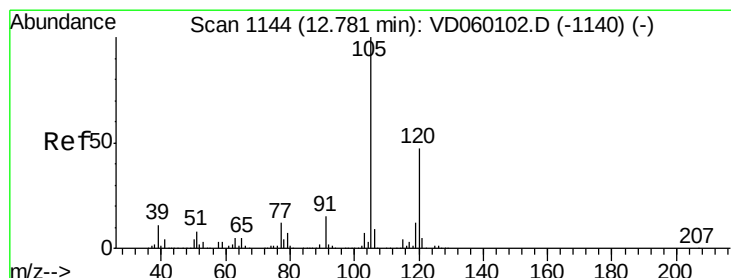
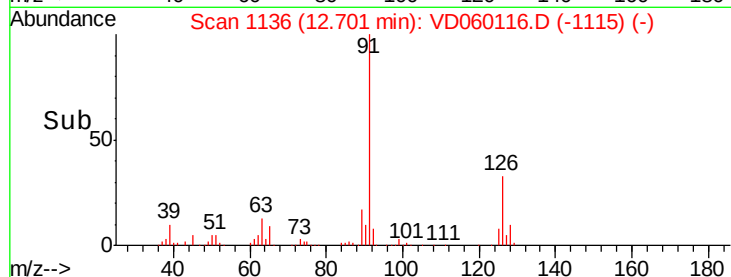
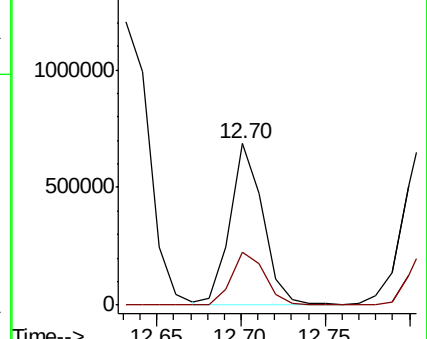
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 23.309 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060116.D

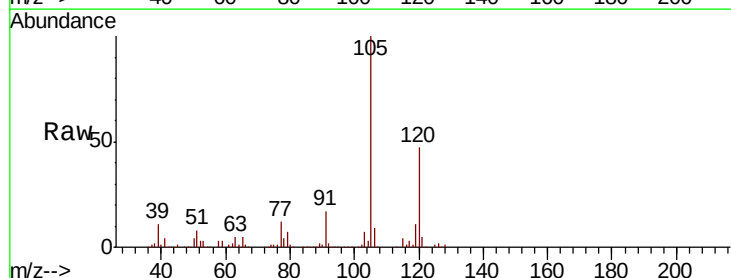
Acq: 3 Oct 2018 14:13

Tgt Ion:105 Resp: 1099417

Ion Ratio Lower Upper

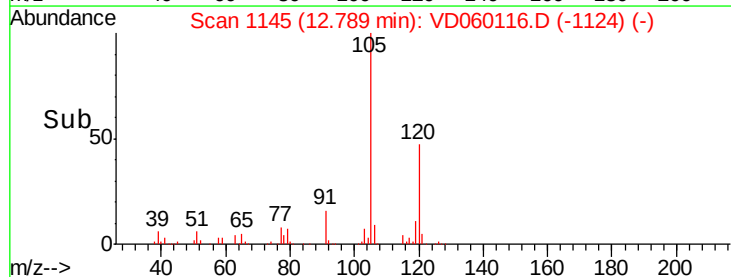
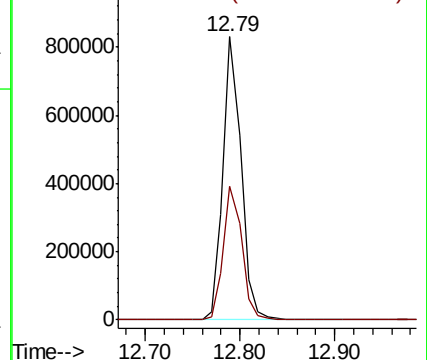
105 100

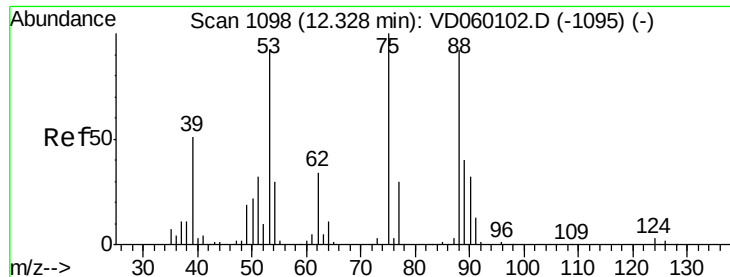
120 47.4 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.637 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060116.D

Acq: 3 Oct 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 75 Resp: 80881

Ion Ratio Lower Upper

75 100

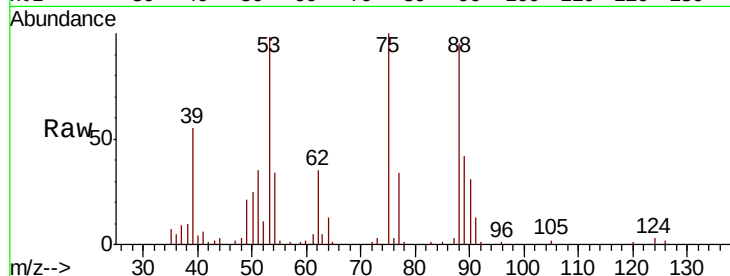
53 98.2 73.0 109.6

89 42.4 32.0 48.0

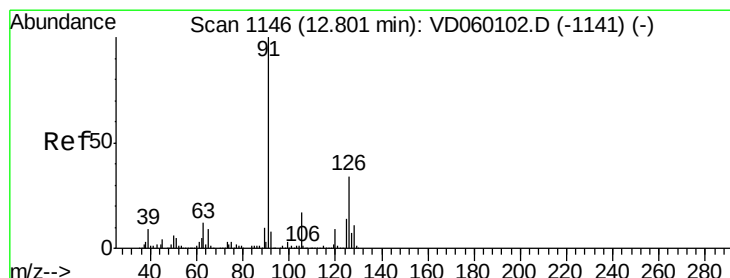
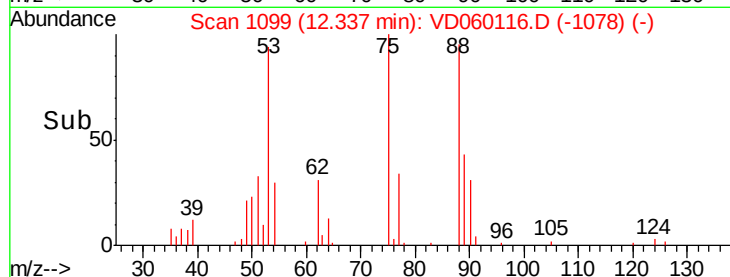
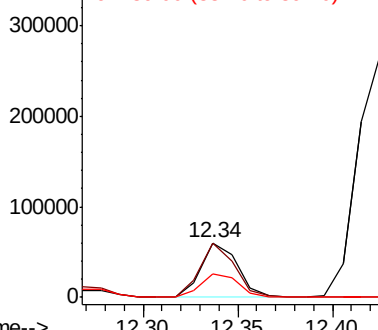
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.408 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060116.D

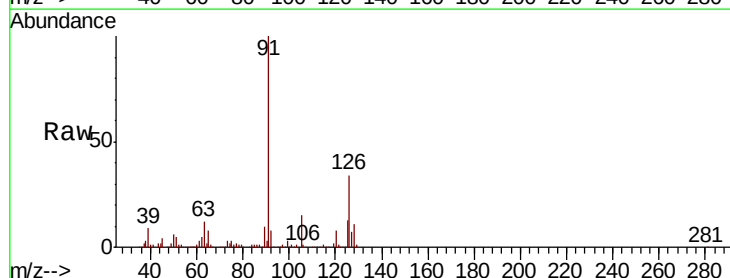
Acq: 3 Oct 2018 14:13

Tgt Ion: 91 Resp: 1111979

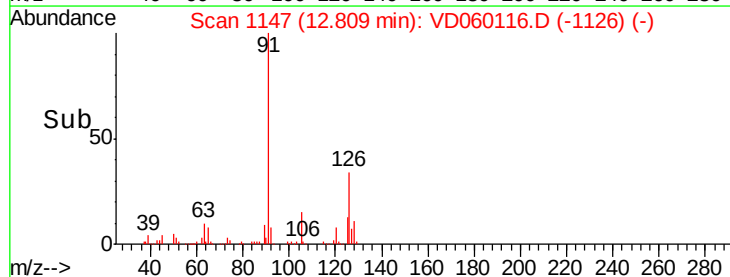
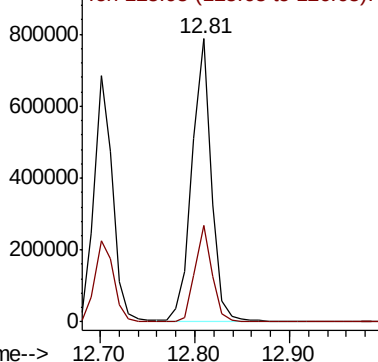
Ion Ratio Lower Upper

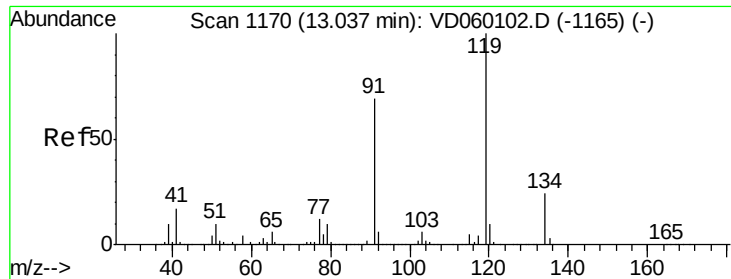
91 100

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





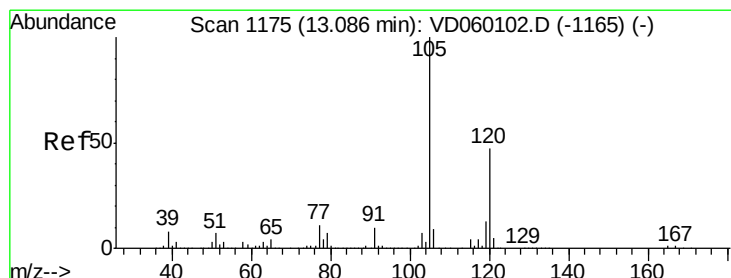
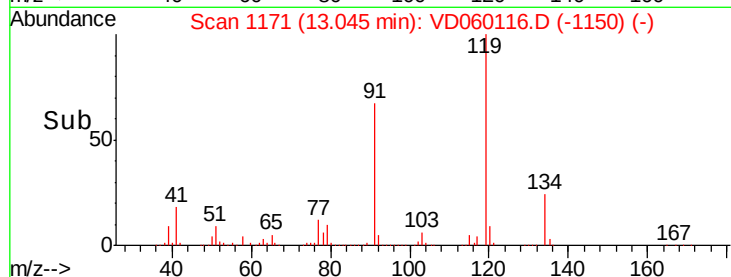
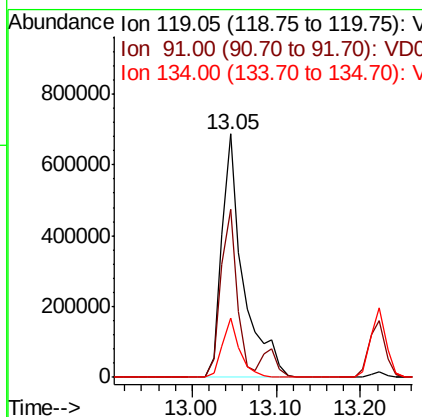
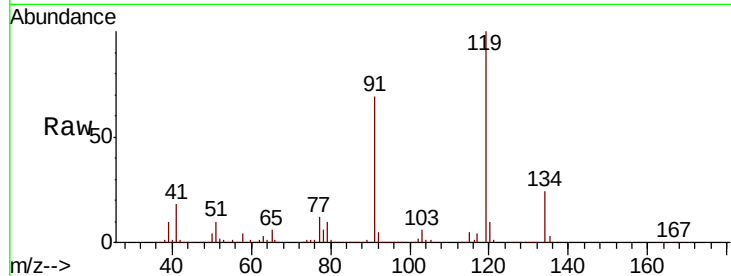
#83
 tert-Butylbenzene
 Concen: 22.492 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion:119 Resp: 1217438
 Ion Ratio Lower Upper
 119 100
 91 69.0 34.8 104.4
 134 24.4 11.8 35.4

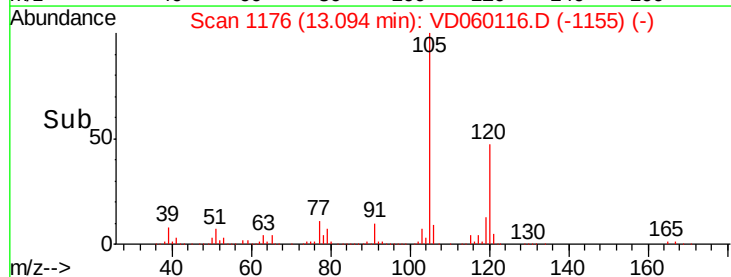
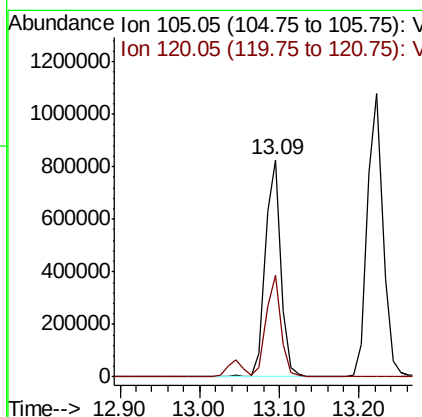
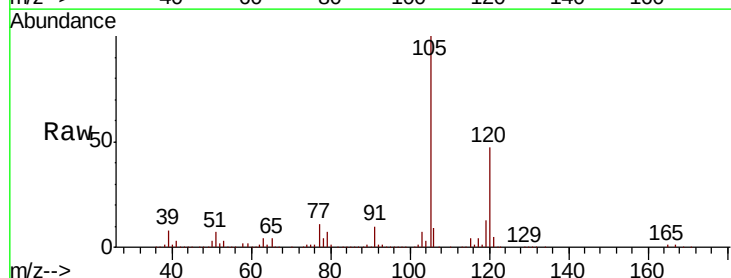
Manual Integrations
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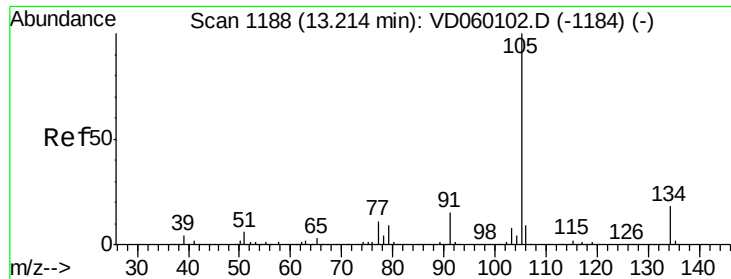
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.237 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion:105 Resp: 1105450
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.0





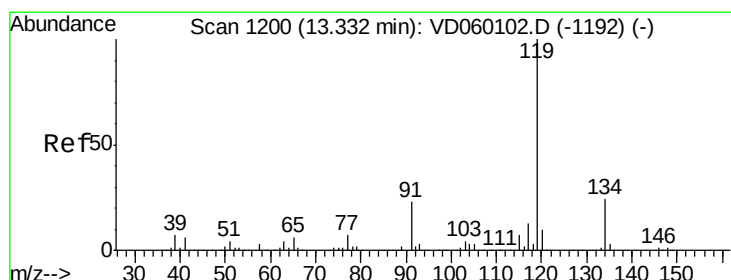
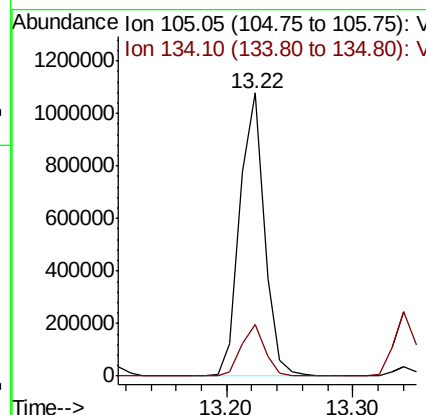
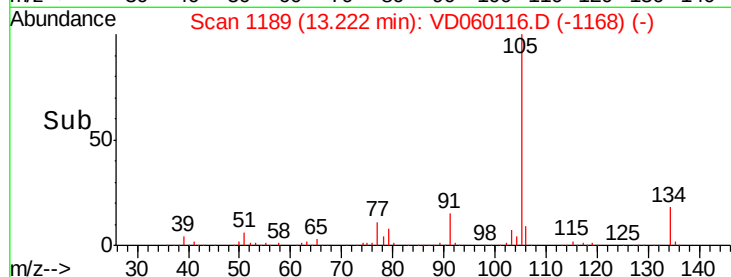
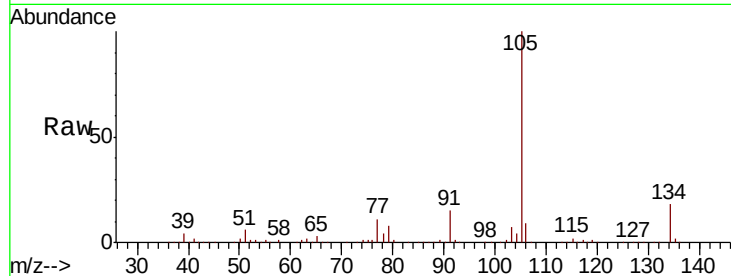
#85
 sec-Butylbenzene
 Concen: 22.507 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion:105 Resp: 1440425
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.8 26.2

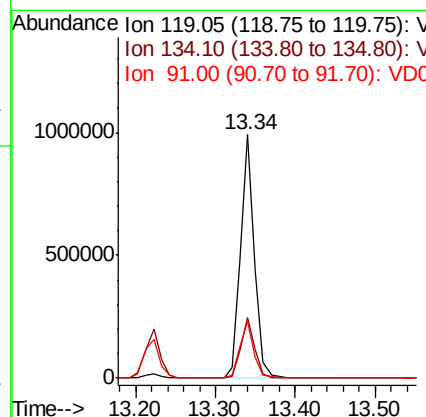
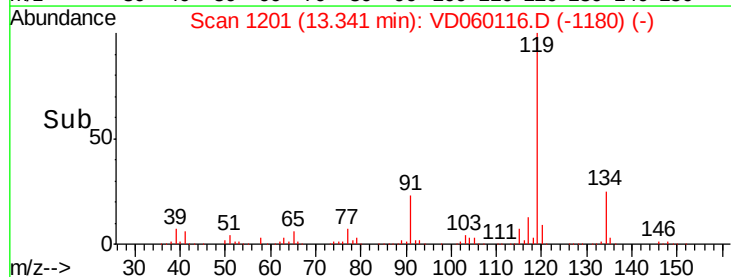
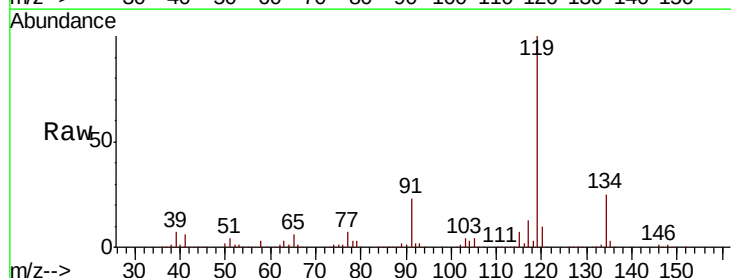
Manual Integrations
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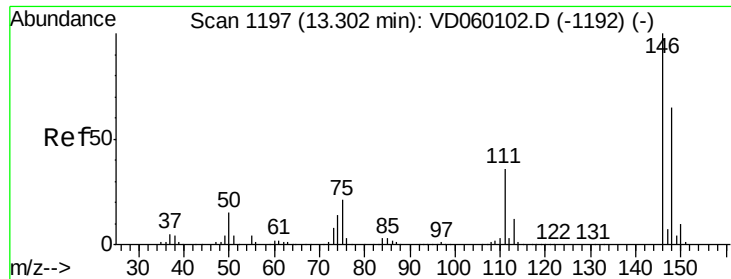
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#86
 p-Isopropyltoluene
 Concen: 23.001 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion:119 Resp: 1207367
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.3 36.8
 91 23.1 11.8 35.4





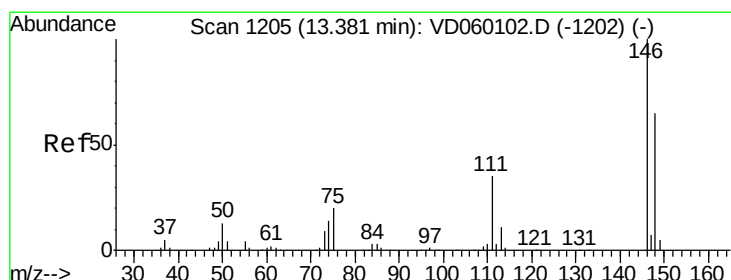
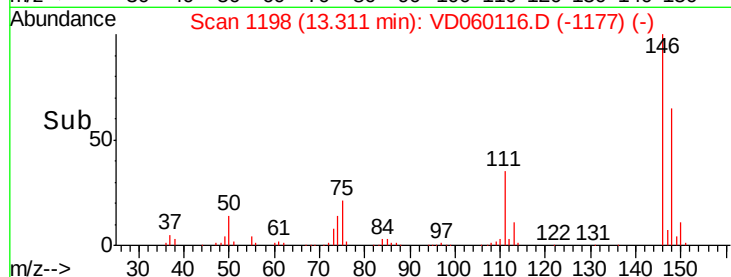
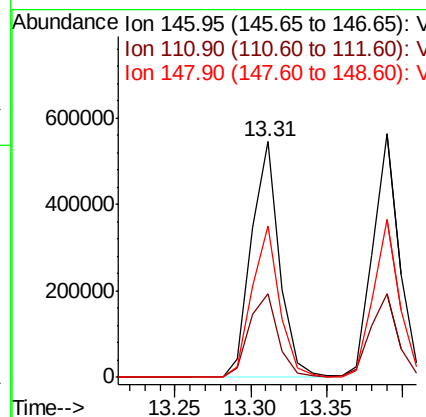
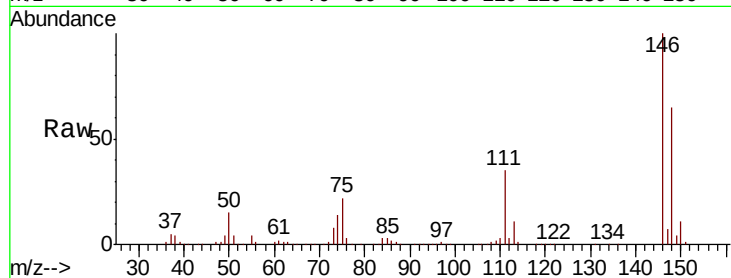
#87
 1,3-Dichlorobenzene
 Concen: 22.758 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.1	54.3
148	64.5	32.3	96.9

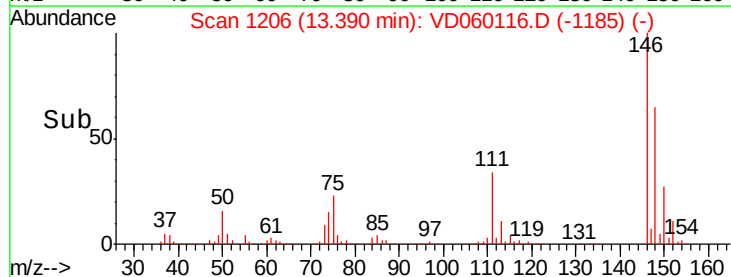
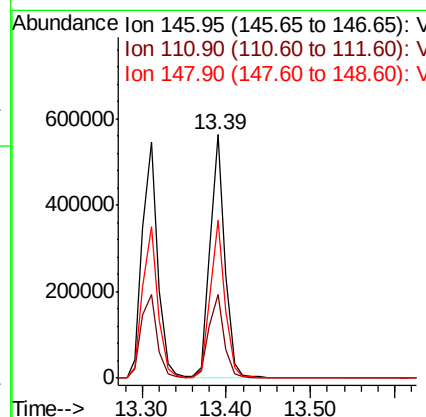
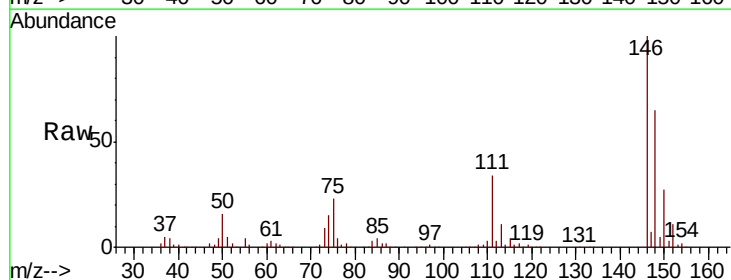
Manual Integrations
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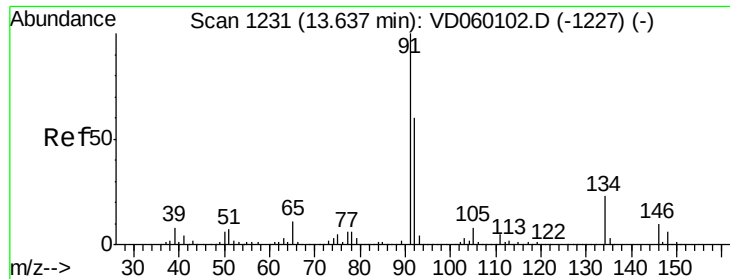
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#88
 1,4-Dichlorobenzene
 Concen: 22.060 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.1	17.8	53.3
148	65.0	32.4	97.2





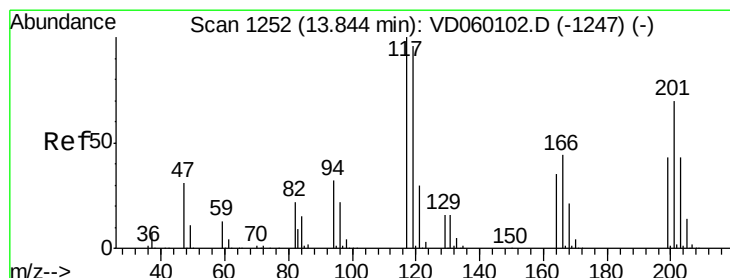
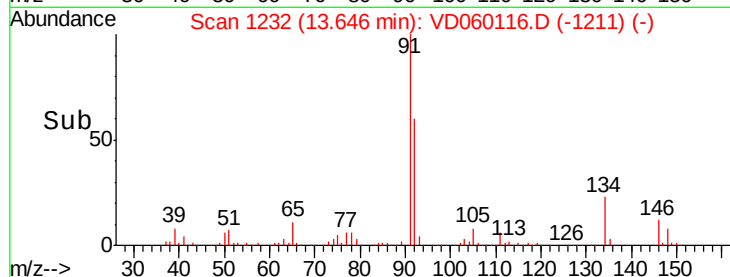
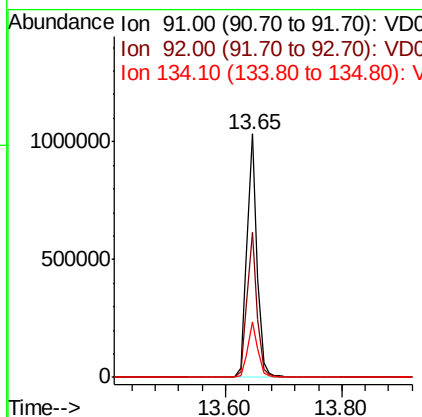
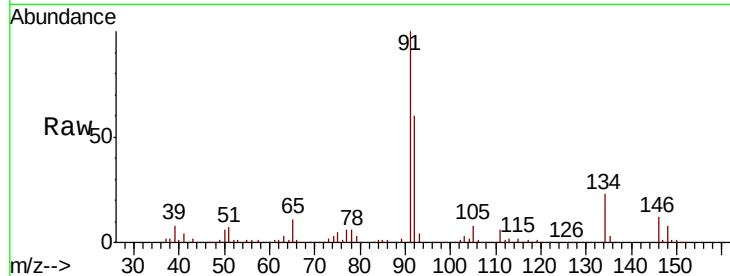
#89
n-Butylbenzene
Concen: 24.388 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 91 Resp: 1249123
Ion Ratio Lower Upper
91 100
92 59.5 30.1 90.3
134 23.0 11.6 34.7

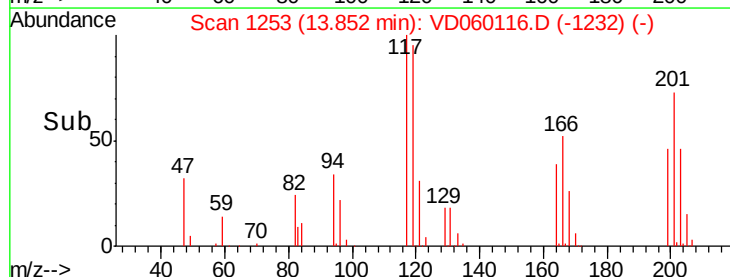
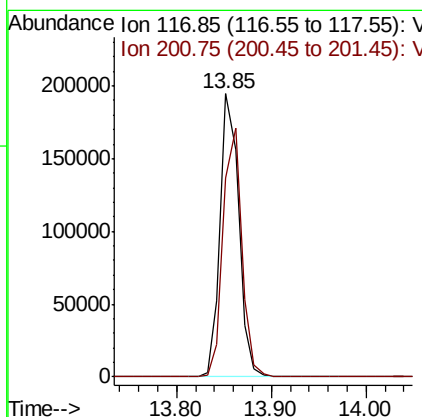
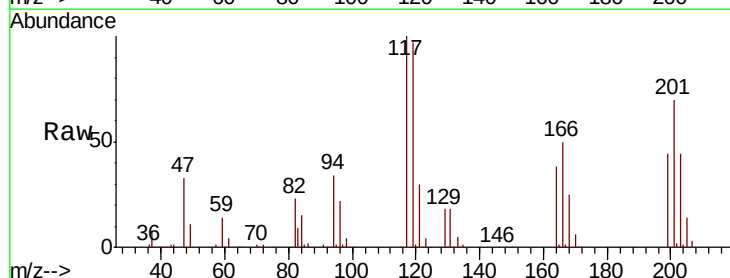
Manual Integrations
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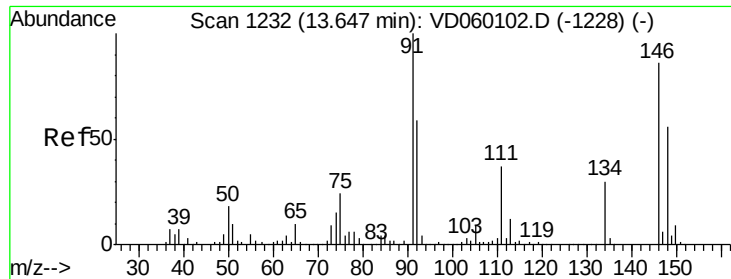
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#90
Hexachloroethane
Concen: 21.916 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion: 117 Resp: 266247
Ion Ratio Lower Upper
117 100
201 70.1 34.8 104.5





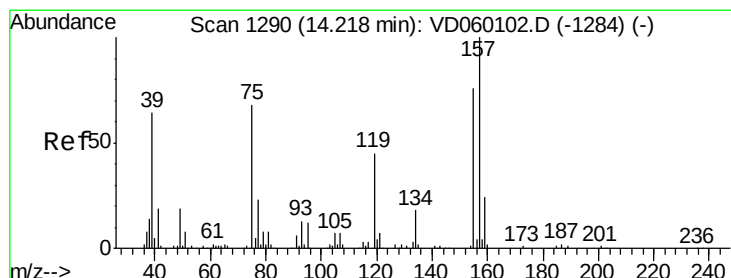
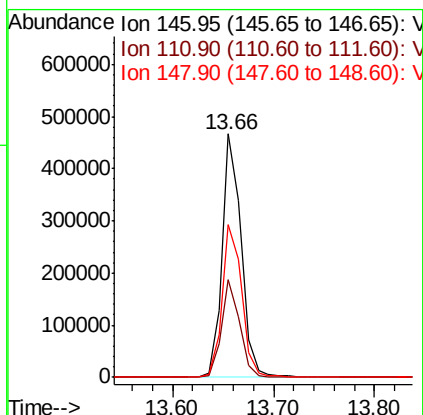
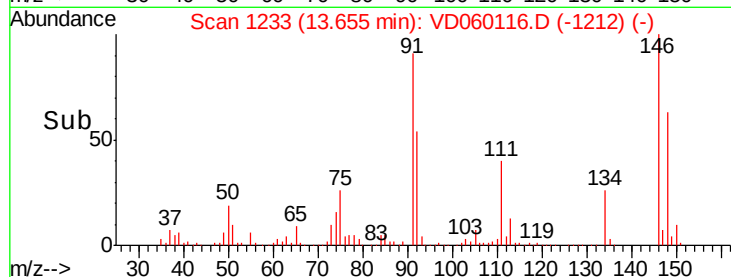
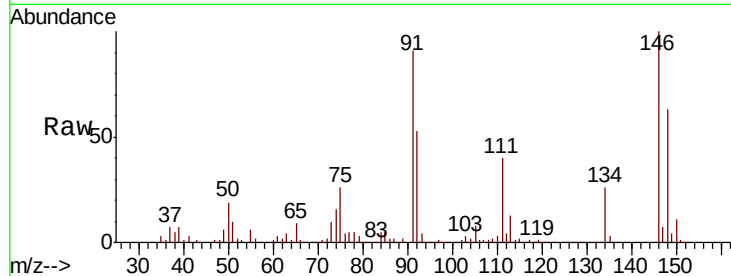
#91
 1,2-Dichlorobenzene
 Concen: 23.642 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.4	64.3
148	63.0	32.2	96.6

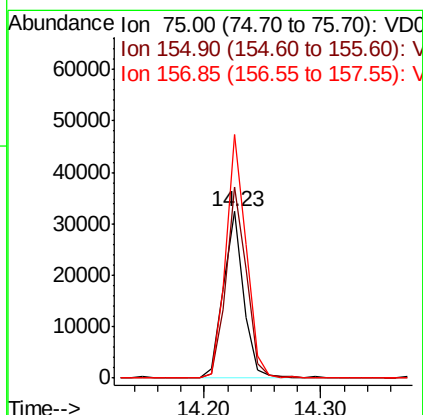
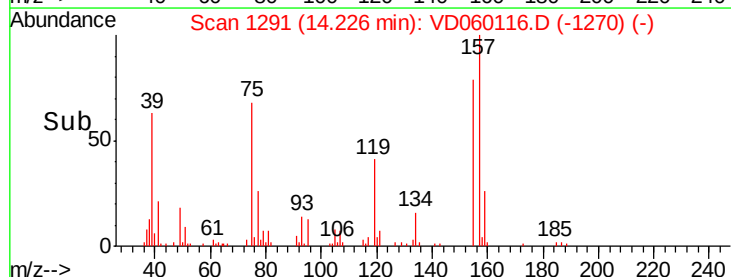
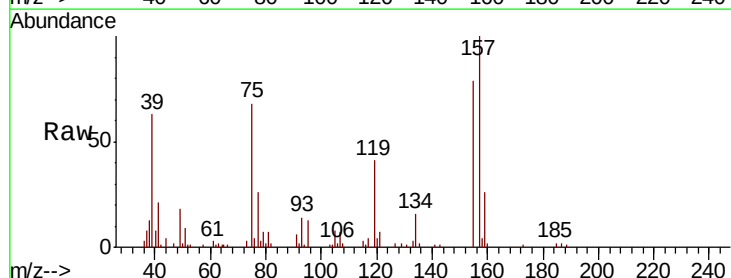
Manual Integrations
 APPROVED

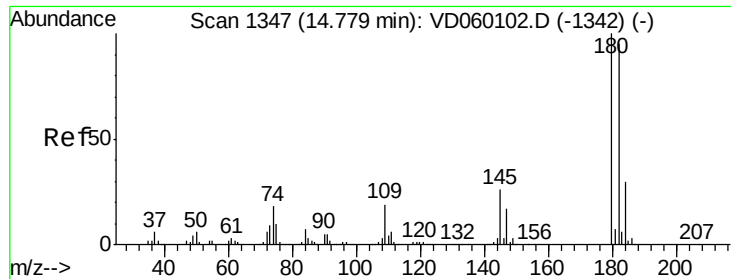
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.996 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.1	55.9	167.7
157	146.2	73.3	219.8





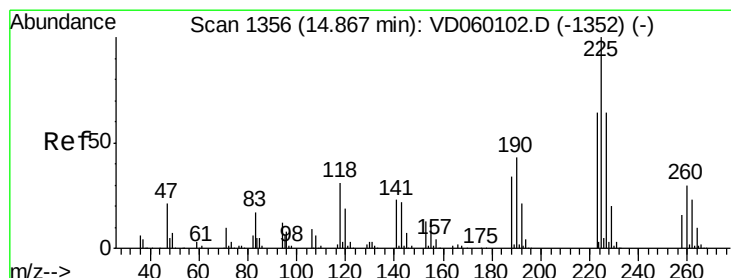
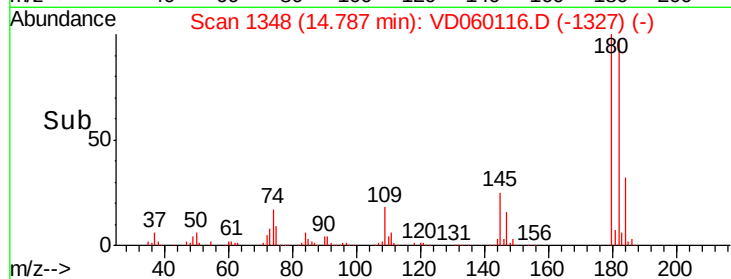
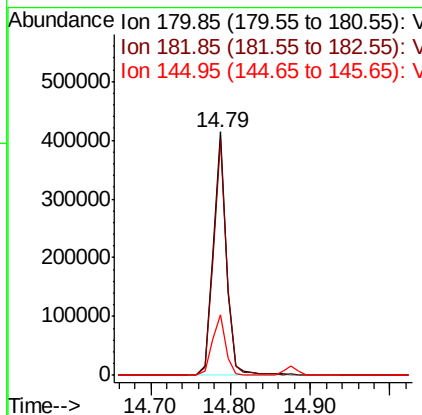
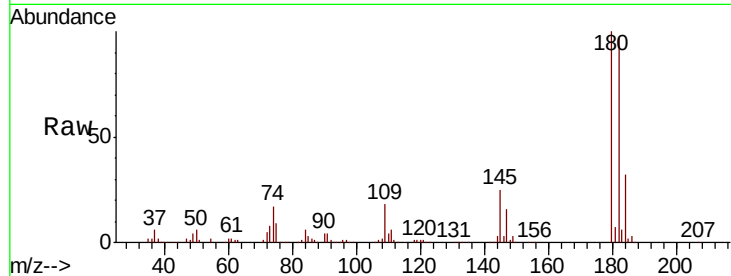
#93
 1,2,4-Trichlorobenzene
 Concen: 22.081 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	486255		
182	97.1	47.3	141.8	
145	24.7	13.0	38.9	

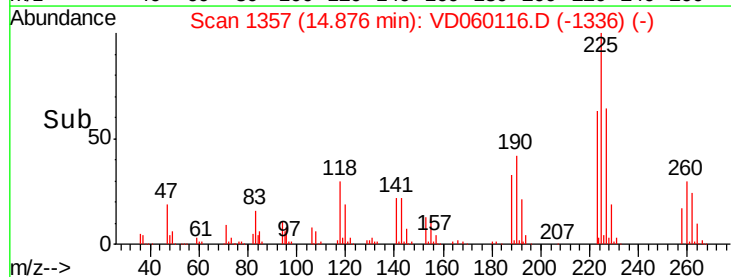
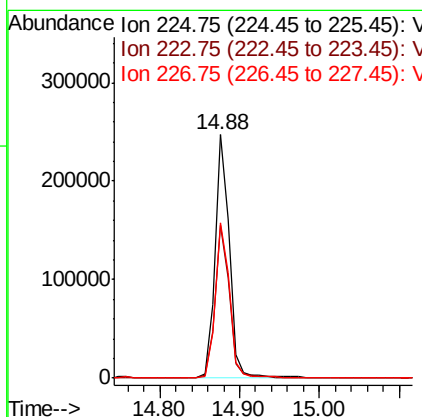
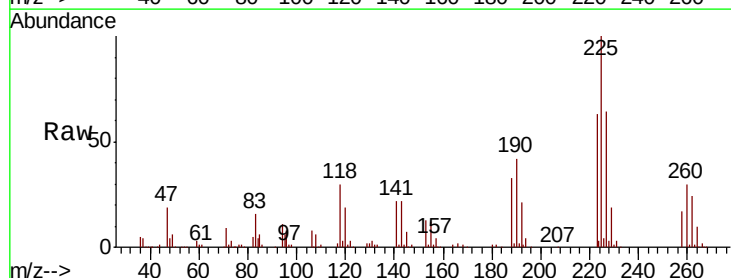
Manual Integrations
 APPROVED

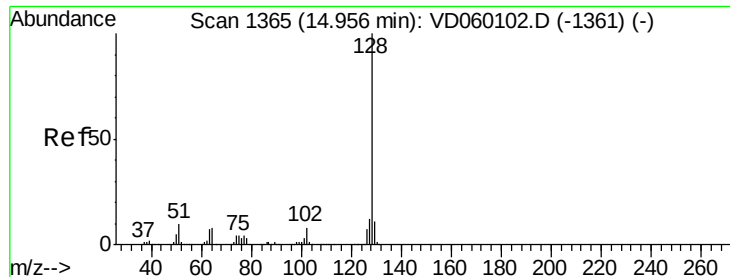
apatel
 10/4/2018 4:44:52 PM



#94
 Hexachlorobutadiene
 Concen: 21.601 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060116.D
 Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	316186		
223	62.6	31.8	95.4	
227	64.0	32.0	96.0	





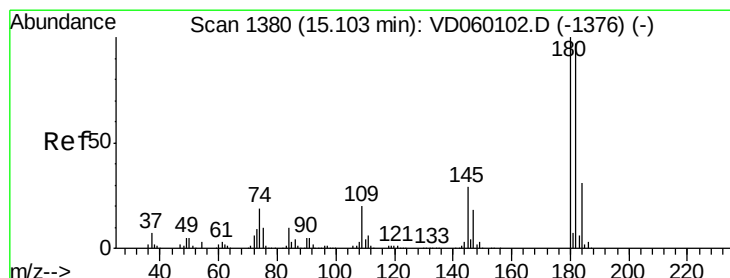
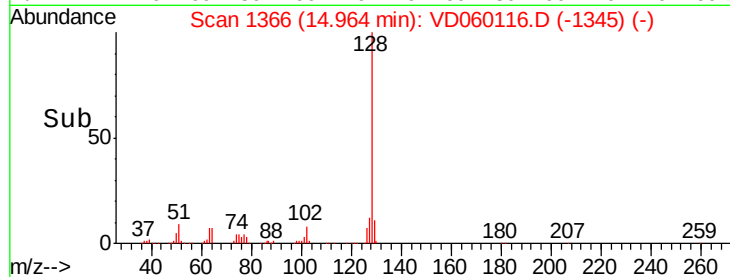
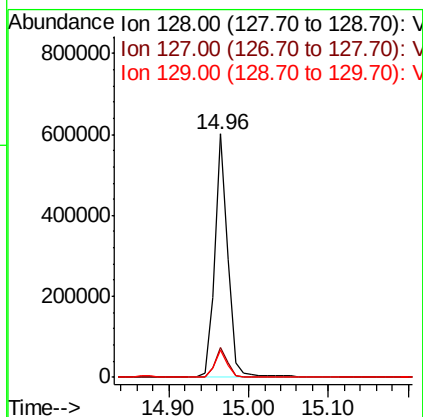
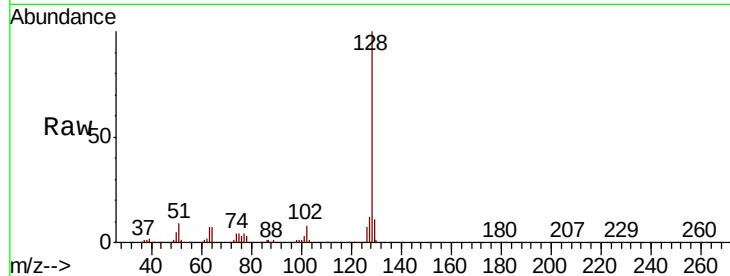
#95
Naphthalene
Concen: 21.417 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	699099		
127	12.2		9.9	14.9
129	11.1		8.8	13.2

Manual Integrations
APPROVED

apatel
10/4/2018 4:44:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.630 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060116.D
Acq: 3 Oct 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	414341		
182	96.0		48.4	145.0
145	26.7		14.5	43.6

