

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122818\
 Data File : VD060752.D
 Acq On : 28 Dec 2018 17:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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Quant Time: Dec 28 22:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1327879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	1987326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1534162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	742489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	481363	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	6.33	113	717662	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	9.46	98	2157320	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.42	95	757808	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	785601	46.302	ug/l	98
3) Chloromethane	1.77	50	699633	44.805	ug/l	100
4) Vinyl Chloride	1.86	62	584474	47.145	ug/l	98
5) Bromomethane	2.16	94	180529	65.008	ug/l	99
6) Chloroethane	2.27	64	227323	61.442	ug/l	98
7) Trichlorofluoromethane	2.52	101	700987	50.835	ug/l	98
8) Diethyl Ether	2.84	74	124411	53.927	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	434300	48.555	ug/l	97
10) Methyl Iodide	3.26	142	486402	51.743	ug/l	98
11) Tert butyl alcohol	3.98	59	116132	302.813	ug/l	98
12) 1,1-Dichloroethene	3.09	96	348538	47.423	ug/l	96
13) Acrolein	3.00	56	66422	169.958	ug/l	98
14) Allyl chloride	3.55	41	660877	49.006	ug/l	96
15) Acrylonitrile	4.10	53	589537	264.780	ug/l	96
16) Acetone	3.16	43	366225	228.525	ug/l	98
17) Carbon Disulfide	3.33	76	1106015	47.122	ug/l	99
18) Methyl Acetate	3.57	43	217141	54.672	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	1035356	55.527	ug/l	98
20) Methylene Chloride	3.73	84	708654	42.580	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	774378	51.449	ug/l	98
22) Diisopropyl ether	4.86	45	2418084	52.810	ug/l	97
23) Vinyl Acetate	4.82	43	5520236	249.193	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1241320	51.541	ug/l	99
25) 2-Butanone	5.62	43	754135	245.917	ug/l	100
26) 2,2-Dichloropropane	5.59	77	918428	48.310	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	799879	52.351	ug/l	99
28) Bromochloromethane	5.93	49	496322	48.781	ug/l	93
29) Tetrahydrofuran	5.96	42	428992	246.765	ug/l	97
30) Chloroform	6.11	83	1185599	48.922	ug/l	99
31) Cyclohexane	6.37	56	1118166	48.244	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	1010417	50.395	ug/l	98
36) 1,1-Dichloropropene	6.53	75	914771	44.701	ug/l	97
37) Ethyl Acetate	5.70	43	385010	44.985	ug/l	96
38) Carbon Tetrachloride	6.51	117	833394	46.162	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1069024	45.804	ug/l	97
40) Benzene	6.80	78	2409767	45.588	ug/l	99
41) Methacrylonitrile	5.93	41	227441m	48.044	ug/l	
42) 1,2-Dichloroethane	6.90	62	627745	47.855	ug/l	98
43) Isopropyl Acetate	8.35	43	538496	49.030	ug/l #	99
44) Trichloroethene	7.75	130	773943	49.468	ug/l	100
45) 1,2-Dichloropropane	8.11	63	622998	48.059	ug/l	98
46) Dibromomethane	8.22	93	336697	45.508	ug/l	98
47) Bromodichloromethane	8.50	83	798547	45.570	ug/l	99
48) Methyl methacrylate	8.25	41	326088	48.883	ug/l	98
49) 1,4-Dioxane	8.23	88	58332	940.479	ug/l #	89
51) 4-Methyl-2-Pentanone	9.34	43	1634707	242.934	ug/l	99
52) Toluene	9.55	92	1538451	46.426	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	693530	47.438	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	889307	46.474	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	425522	47.726	ug/l	94
56) Ethyl methacrylate	10.03	69	411097	49.641	ug/l	100
57) 1,3-Dichloropropane	10.39	76	643188	45.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1050519	215.288	ug/l	100
59) 2-Hexanone	10.50	43	1108384	235.323	ug/l	98
60) Dibromochloromethane	10.64	129	553497	48.737	ug/l	100
61) 1,2-Dibromoethane	10.76	107	467206	50.520	ug/l	97
64) Tetrachloroethene	10.26	164	623255	44.822	ug/l	95
65) Chlorobenzene	11.32	112	1693870	49.974	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	537685	49.337	ug/l	97
67) Ethyl Benzene	11.43	91	2638614	45.455	ug/l	99
68) m/p-Xylenes	11.57	106	2142805	101.008	ug/l	97
69) o-Xylene	11.94	106	1042028	51.774	ug/l	99
70) Styrene	11.96	104	1662189	51.278	ug/l	99
71) Bromoform	12.12	173	360452	50.105	ug/l	97
73) Isopropylbenzene	12.28	105	2851378	53.938	ug/l	100
74) N-amyl acetate	12.14	43	694898	55.696	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	434330	50.688	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	447526	52.942	ug/l	100
77) Bromobenzene	12.54	156	703562	50.410	ug/l	97
78) n-propylbenzene	12.64	91	3458980	51.181	ug/l	98
79) 2-Chlorotoluene	12.71	91	1864891	51.519	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2213290	54.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	130675	55.944	ug/l	97
82) 4-Chlorotoluene	12.82	91	2111082	51.454	ug/l	85
83) tert-Butylbenzene	13.05	119	2476119	53.299	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	2255906	53.657	ug/l	100
85) sec-Butylbenzene	13.22	105	3087292	54.492	ug/l	99
86) p-Isopropyltoluene	13.35	119	2492565	54.502	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1332017	51.989	ug/l	94
88) 1,4-Dichlorobenzene	13.40	146	1299627	51.477	ug/l	99
89) n-Butylbenzene	13.65	91	2368890	50.688	ug/l	99
90) Hexachloroethane	13.86	117	620678	55.244	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	1066307	51.883	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	51334	50.995	ug/l	90

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VSTDCCC050EC

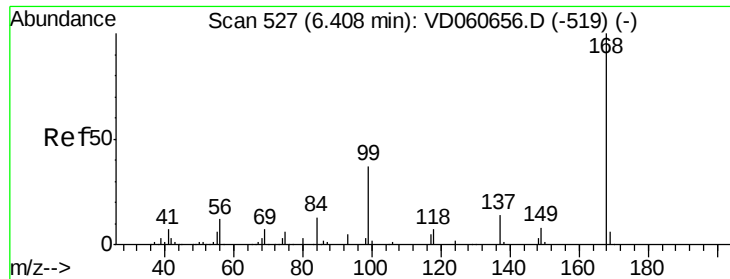
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	850369	51.998	ug/l	96
94) Hexachlorobutadiene	14.88	225	614349	50.823	ug/l	99
95) Naphthalene	14.97	128	1092314	56.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	706223	55.242	ug/l	97

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



#1

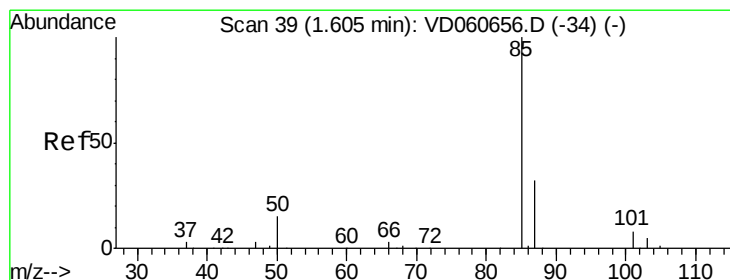
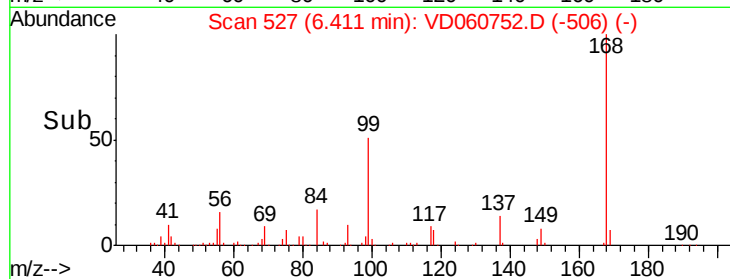
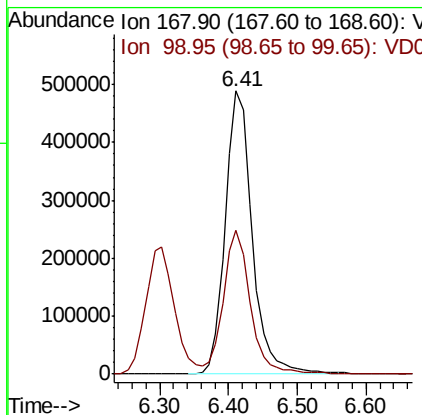
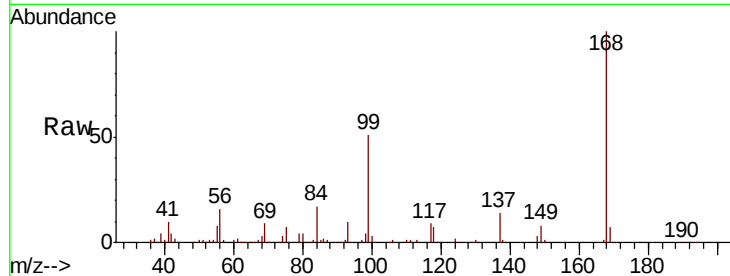
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.41 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:168 Resp: 1327879
 Ion Ratio Lower Upper
 168 100
 99 51.0 38.7 58.1

Manual Integrations
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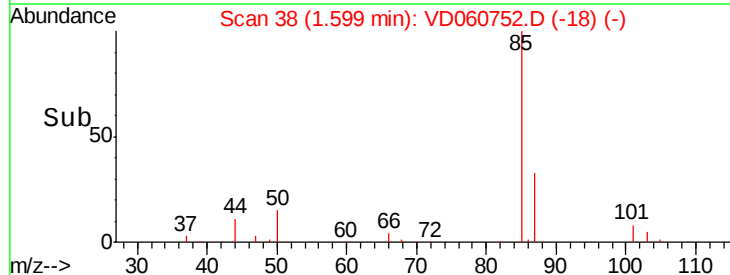
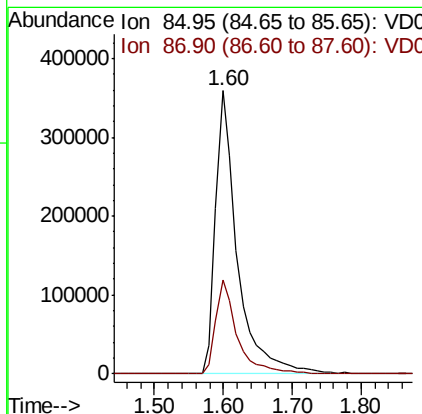
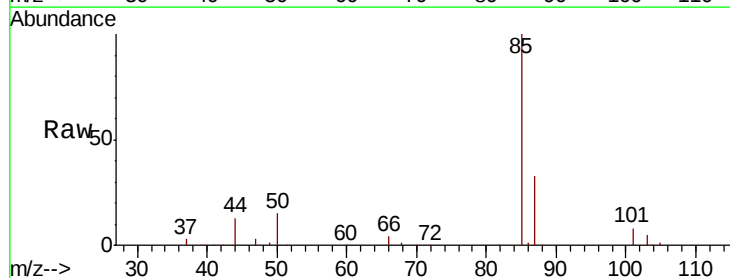
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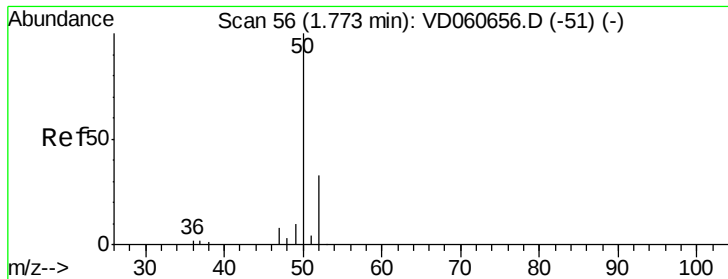


#2

Dichlorodifluoromethane
 Concen: 46.302 ug/l
 RT: 1.60 min Scan# 38
 Delta R.T. -0.01 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion: 85 Resp: 785601
 Ion Ratio Lower Upper
 85 100
 87 33.0 16.0 47.9





#3

Chloromethane

Concen: 44.805 ug/l

RT: 1.77 min Scan# 55

Delta R.T. -0.01 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 699633

Ion Ratio Lower Upper

50 100

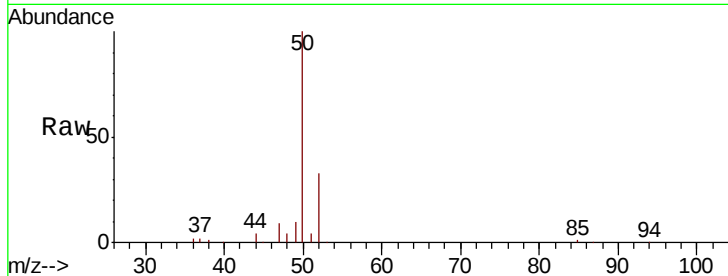
52 33.4 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

250000

200000

150000

100000

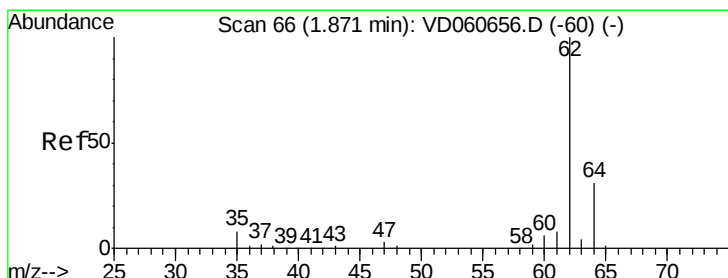
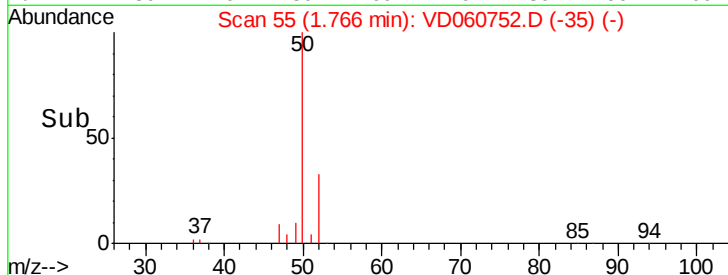
50000

0

1.77

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 47.145 ug/l

RT: 1.86 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060752.D

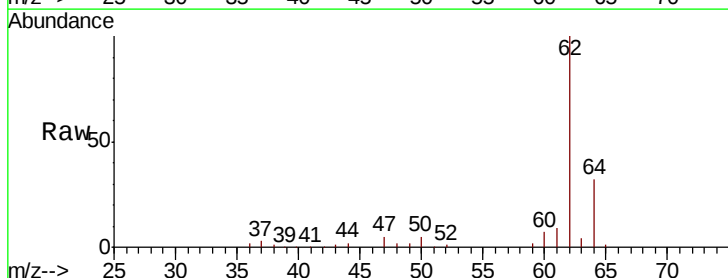
Acq: 28 Dec 2018 17:55

Tgt Ion: 62 Resp: 584474

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

300000

250000

200000

150000

100000

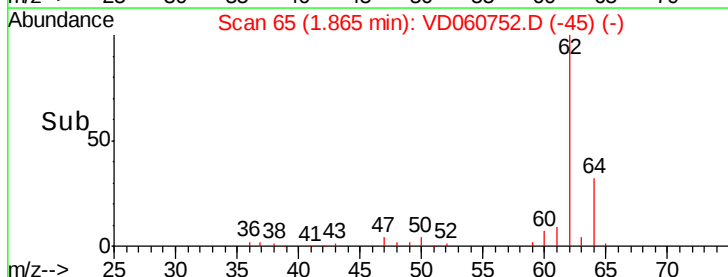
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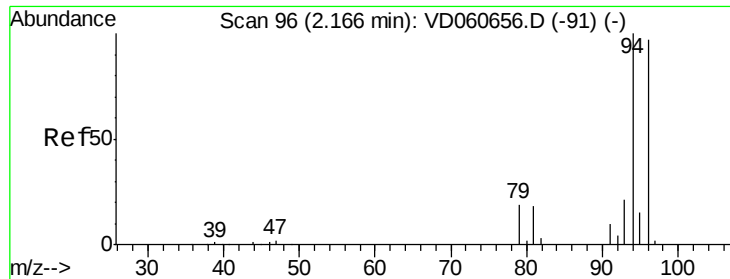
0

1.86

1.80 1.90 2.00 2.10

Time-->





#5

Bromomethane

Concen: 65.008 ug/l

RT: 2.16 min Scan# 95

Delta R.T. -0.01 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 180529

Ion Ratio Lower Upper

94 100

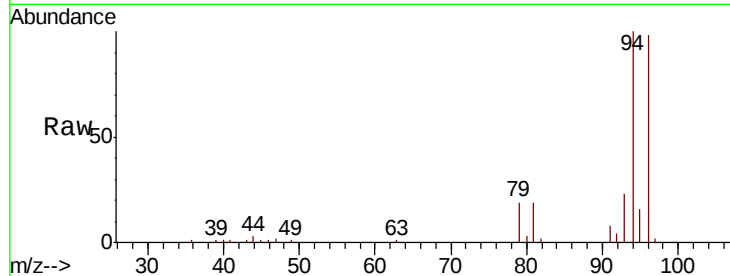
96 97.5 77.2 115.8

Manual Integrations

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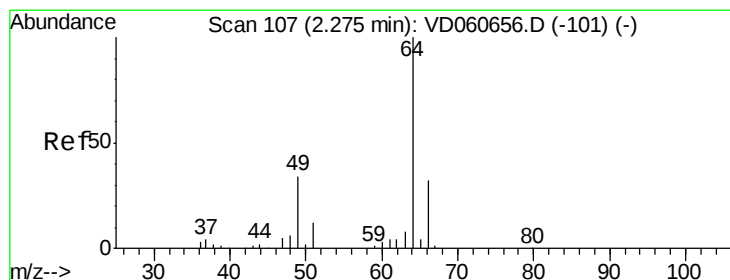
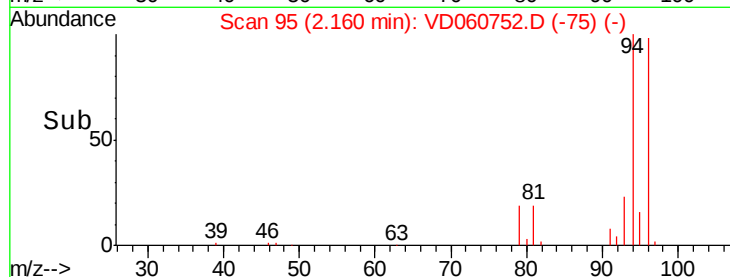
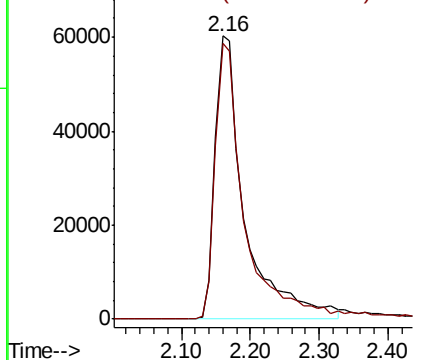
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 61.442 ug/l

RT: 2.27 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD060752.D

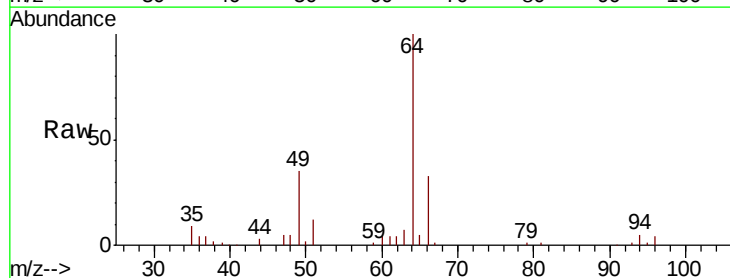
Acq: 28 Dec 2018 17:55

Tgt Ion: 64 Resp: 227323

Ion Ratio Lower Upper

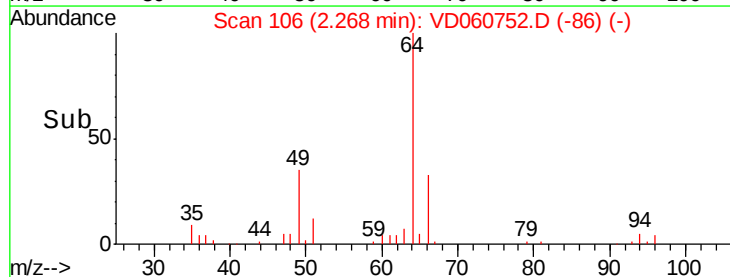
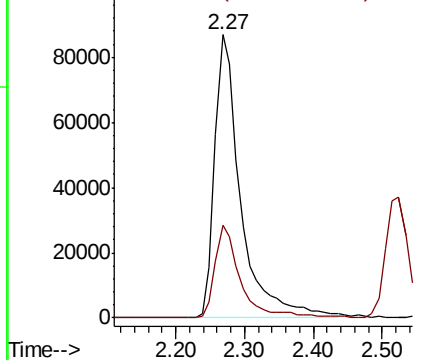
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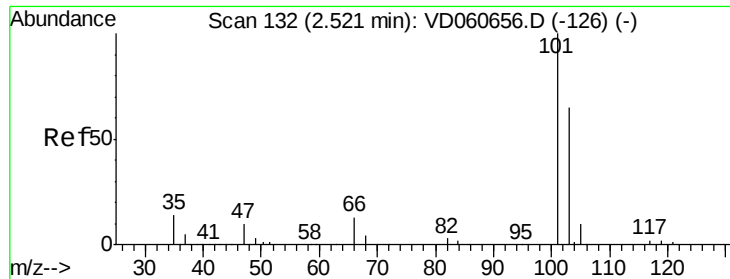
66 32.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

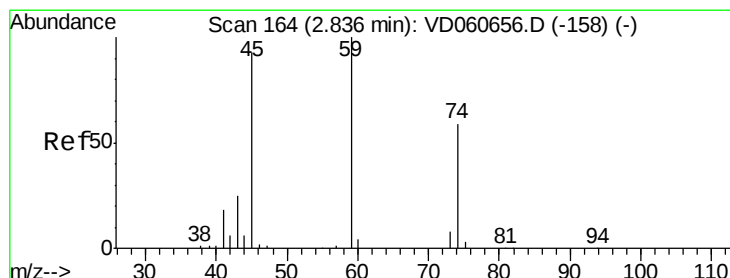
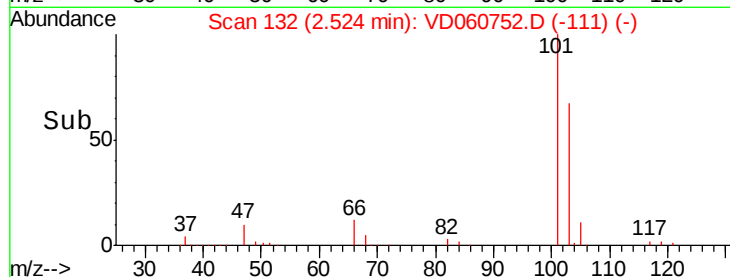
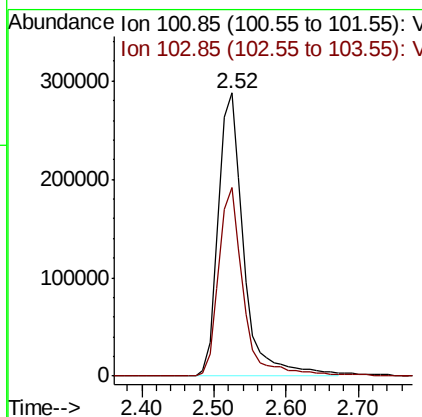
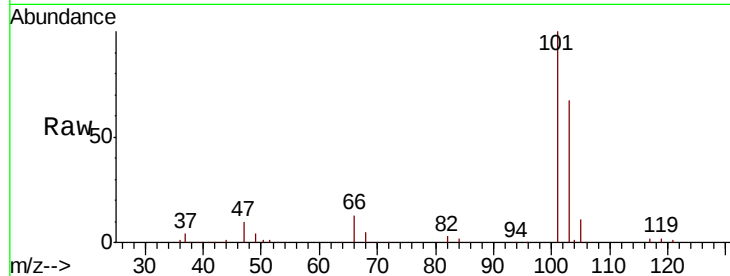
Trichlorofluoromethane
 Concen: 50.835 ug/l
 RT: 2.52 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.9	77.9

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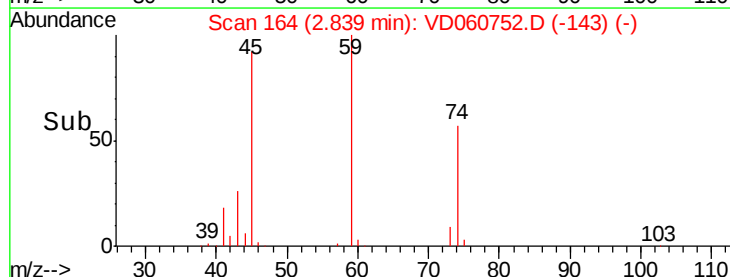
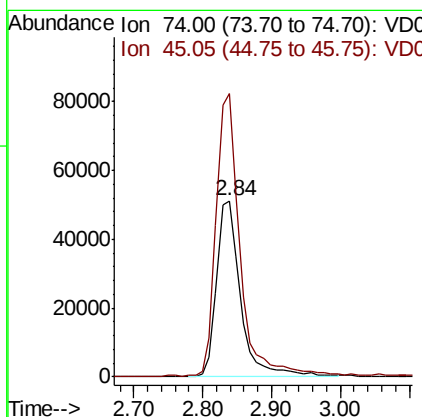
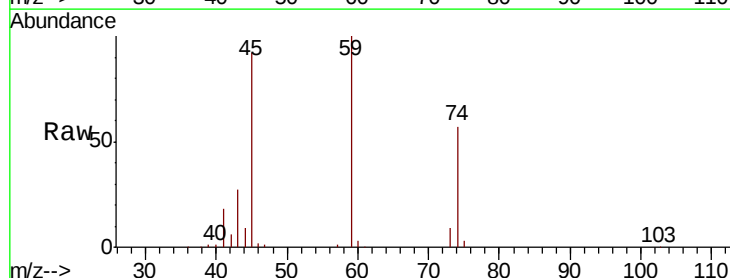
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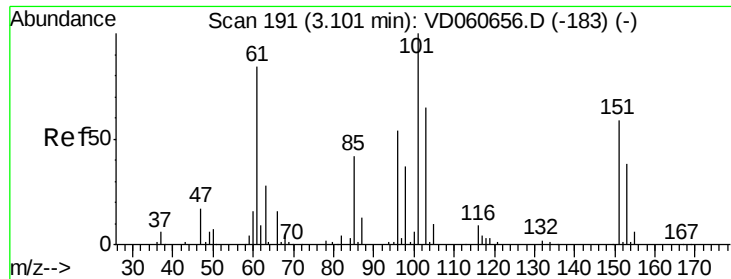


#8

Diethyl Ether
 Concen: 53.927 ug/l
 RT: 2.84 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	160.5	79.3	238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.555 ug/l

RT: 3.10 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

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MSVOA_D

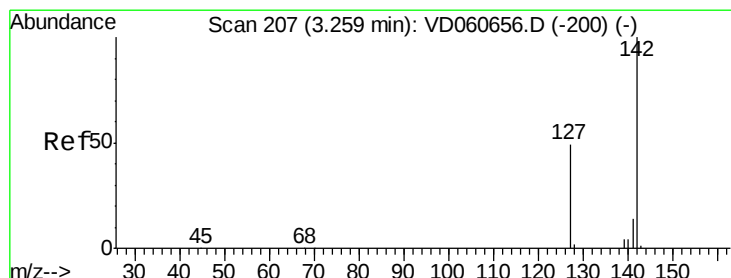
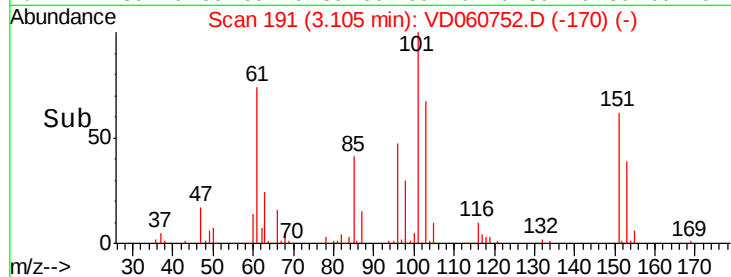
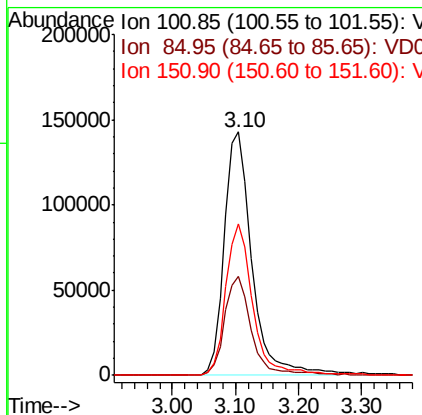
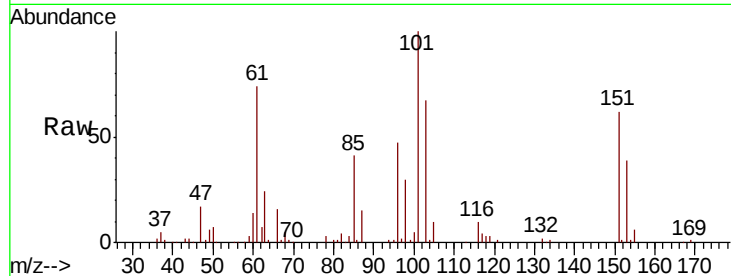
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	434300
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.4	50.0
151	62.1	47.5	71.3

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#10

Methyl Iodide

Concen: 51.743 ug/l

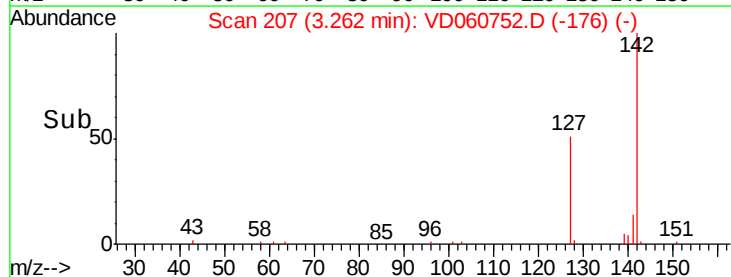
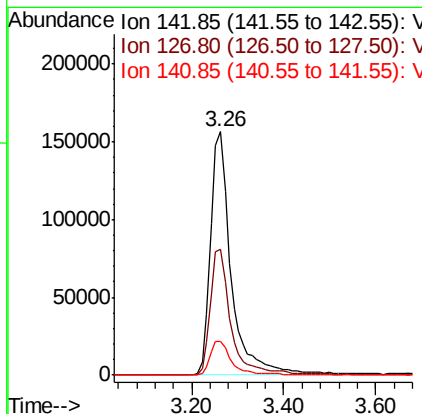
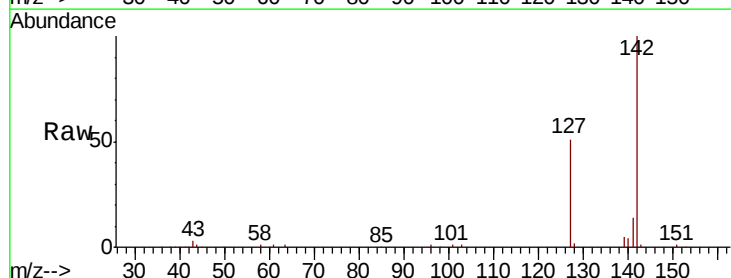
RT: 3.26 min Scan# 207

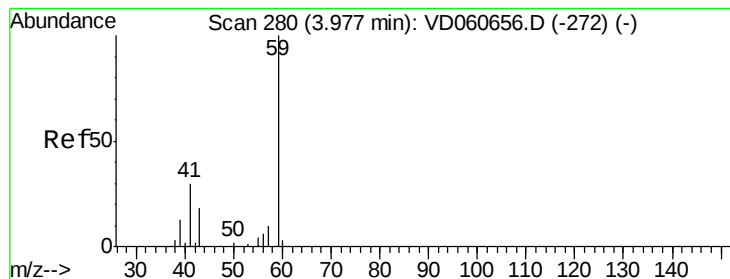
Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Tgt Ion:	142	Resp:	486402
Ion Ratio	Lower	Upper	
142	100		
127	51.5	39.5	59.3
141	13.8	11.3	16.9





#11

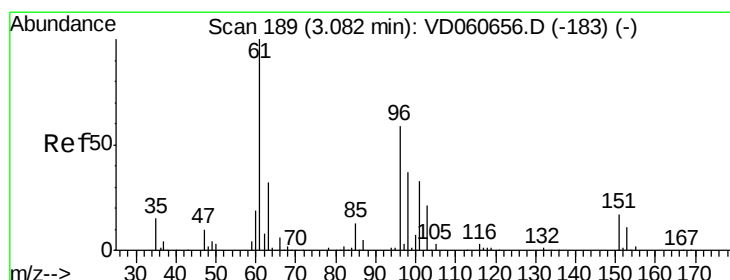
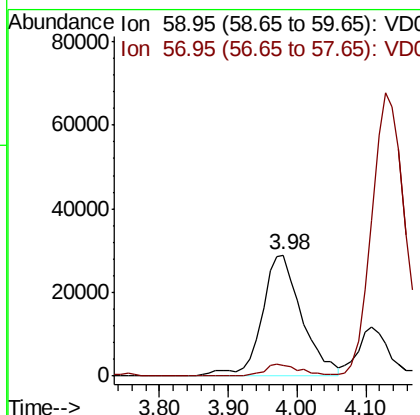
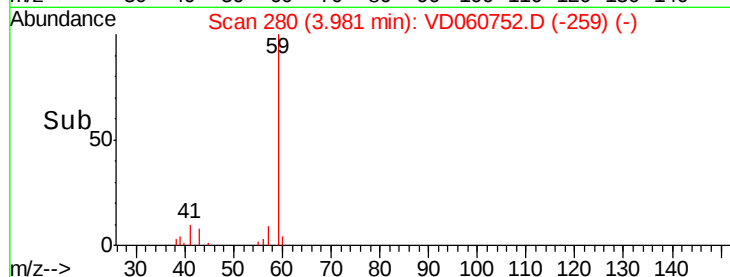
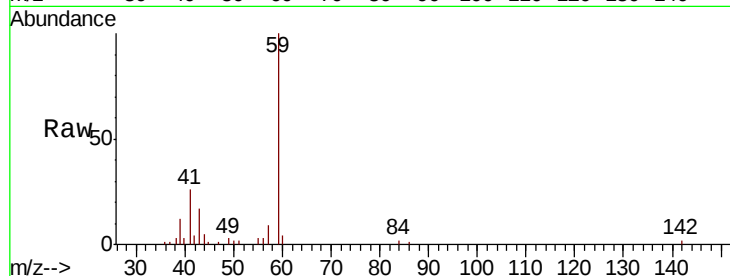
Tert butyl alcohol
Concen: 302.813 ug/l
RT: 3.98 min Scan# 280
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 116132
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6

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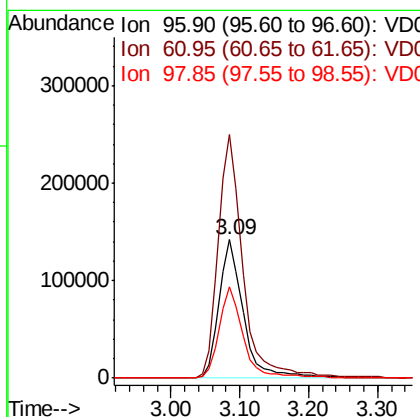
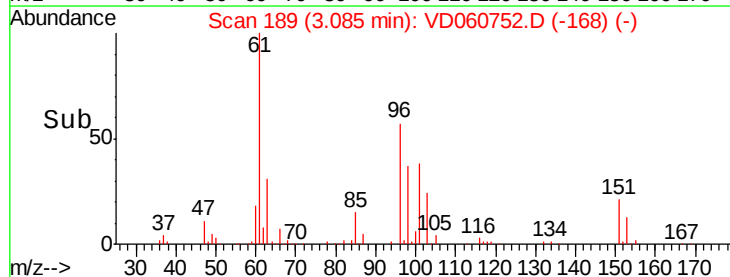
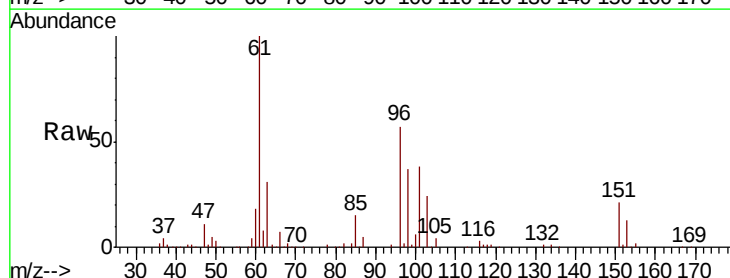
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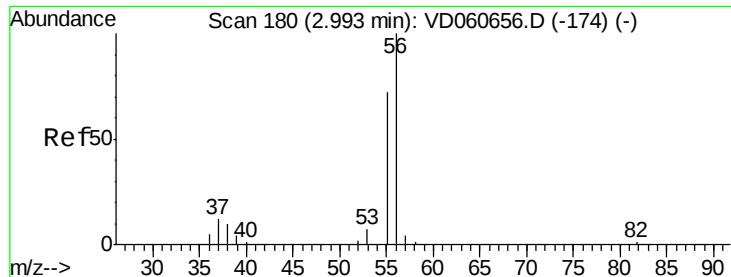


#12

1,1-Dichloroethene
Concen: 47.423 ug/l
RT: 3.09 min Scan# 189
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion: 96 Resp: 348538
Ion Ratio Lower Upper
96 100
61 176.3 136.2 204.4
98 66.1 50.7 76.1





#13

Acrolein

Concen: 169.958 ug/l

RT: 3.00 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 66422

Ion Ratio Lower Upper

56 100

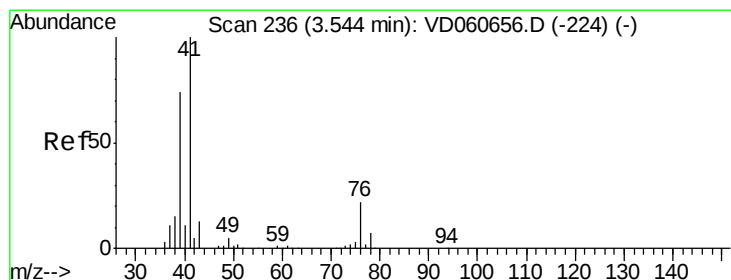
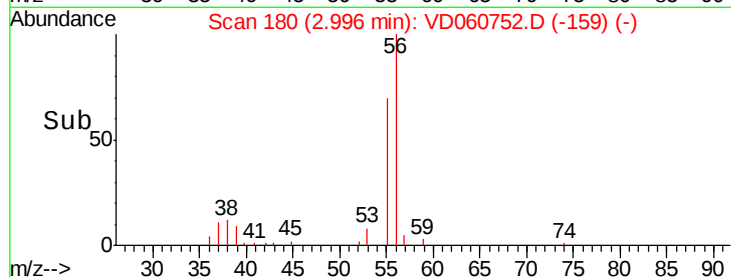
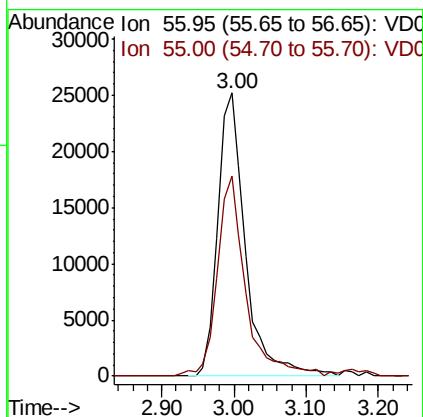
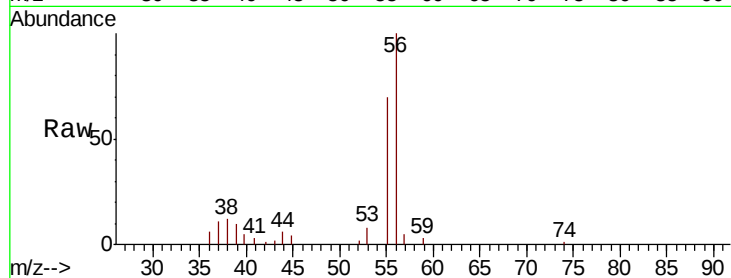
55 70.5 57.7 86.5

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#14

Allyl chloride

Concen: 49.006 ug/l

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

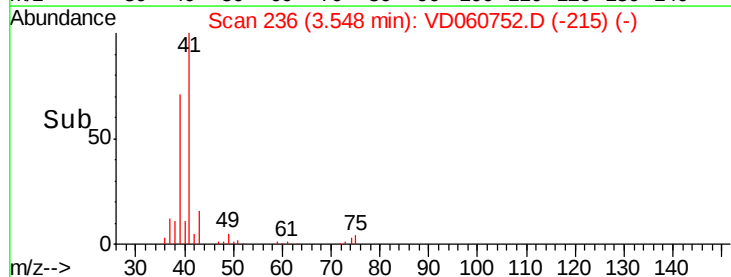
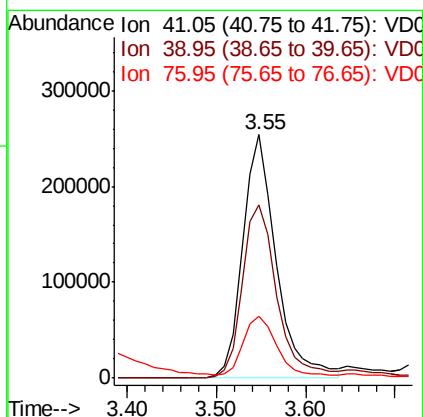
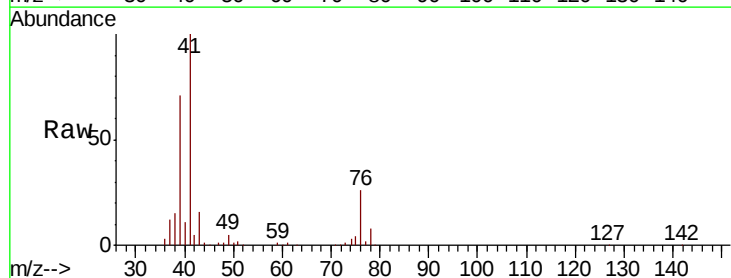
Tgt Ion: 41 Resp: 660877

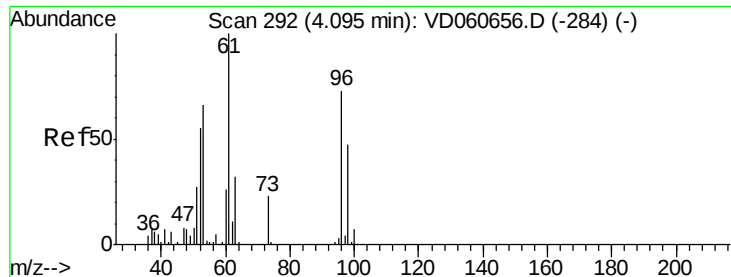
Ion Ratio Lower Upper

41 100

39 71.1 59.6 89.4

76 25.6 21.8 32.6





#15

Acrylonitrile

Concen: 264.780 ug/l

RT: 4.10 min Scan# 292

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

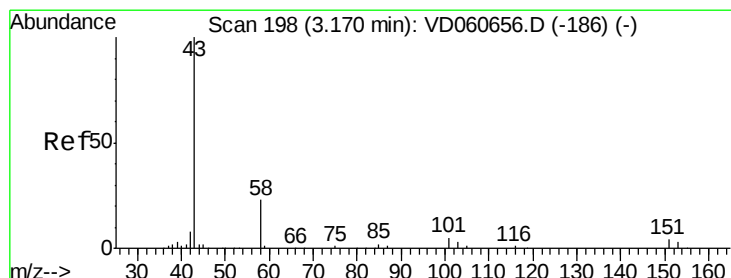
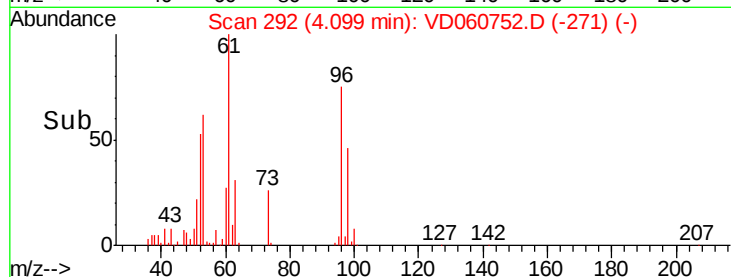
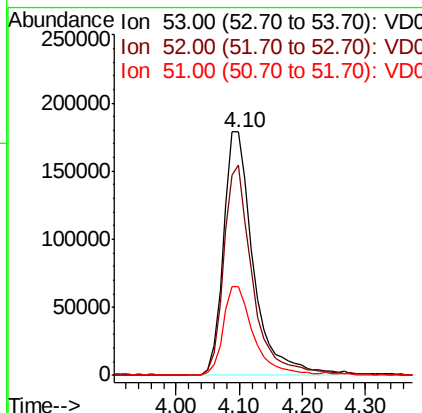
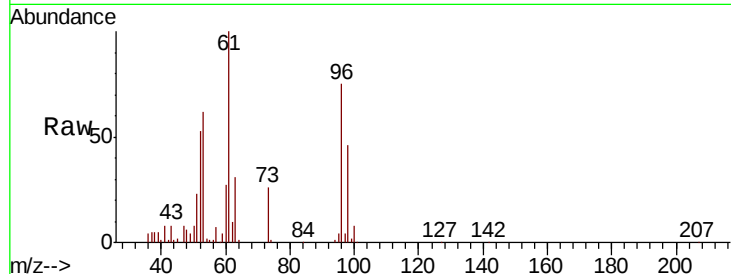
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	589537
Ion Ratio	Lower	Upper	
53	100		
52	86.2	66.7	100.1
51	36.4	32.7	49.1

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#16

Acetone

Concen: 228.525 ug/l

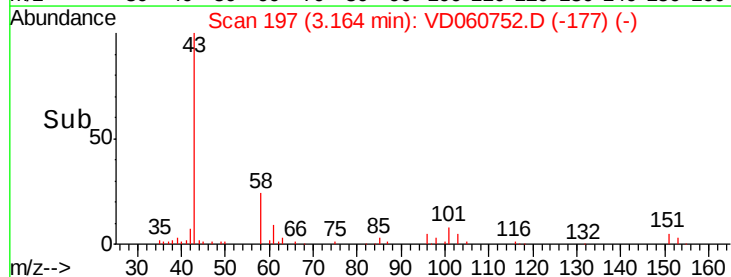
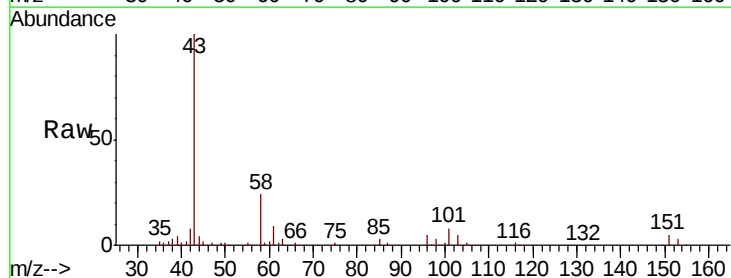
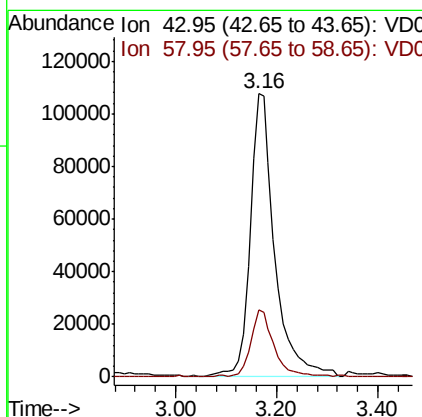
RT: 3.16 min Scan# 197

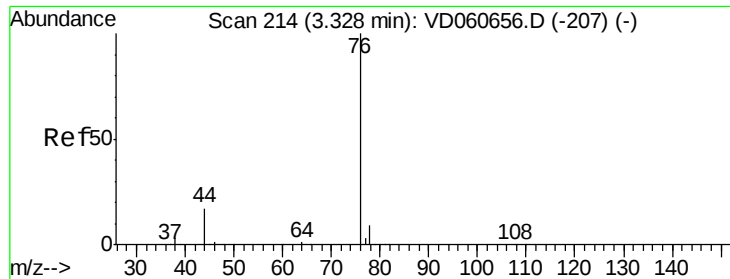
Delta R.T. -0.01 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Tgt Ion:	43	Resp:	366225
Ion Ratio	Lower	Upper	
43	100		
58	23.5	18.2	27.2





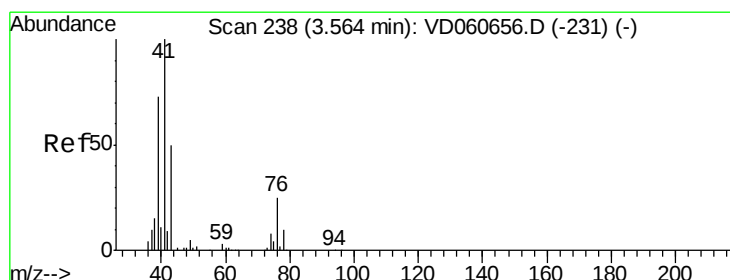
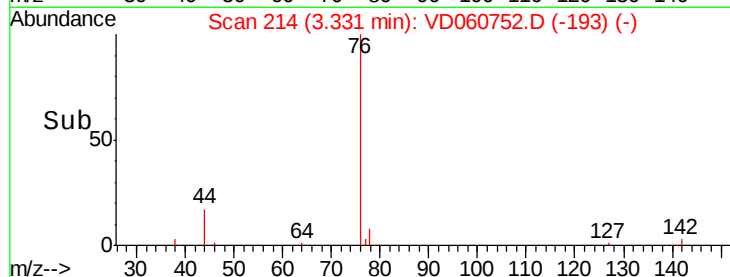
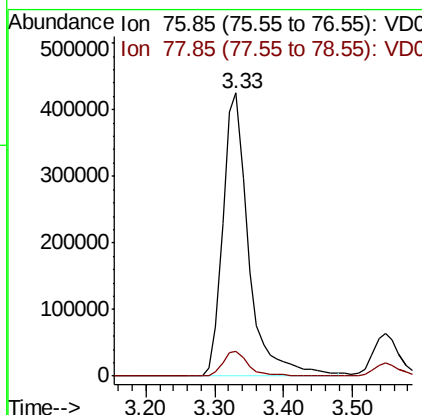
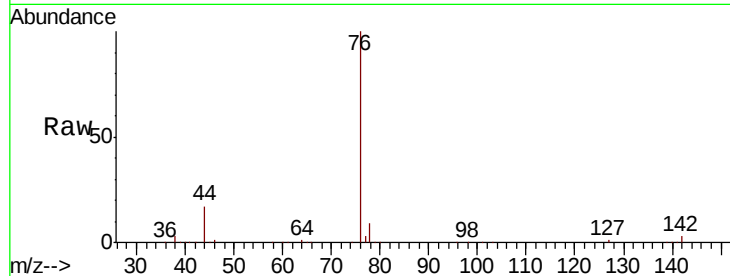
#17
Carbon Disulfide
Concen: 47.122 ug/l
RT: 3.33 min Scan# 214
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1106015
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

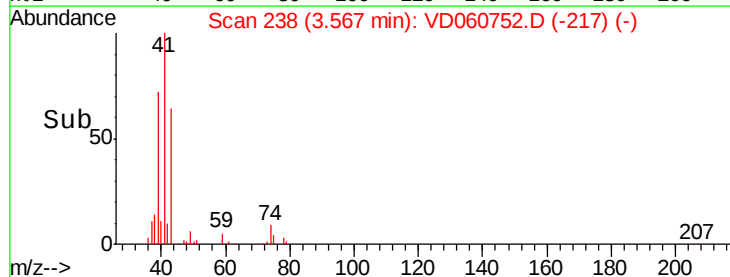
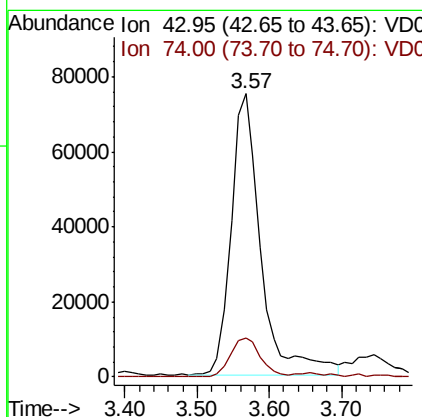
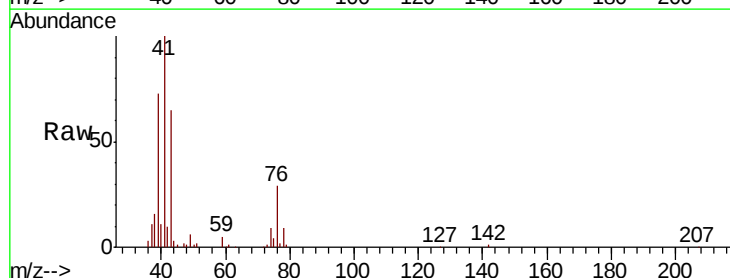
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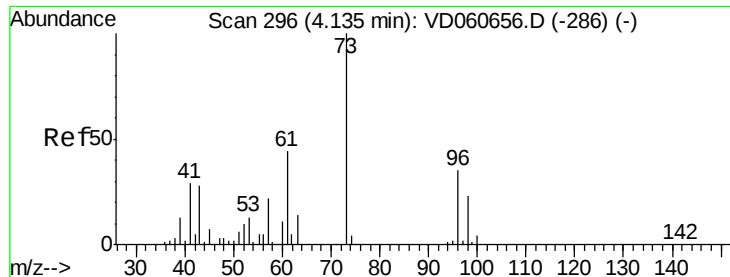
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#18
Methyl Acetate
Concen: 54.672 ug/l
RT: 3.57 min Scan# 238
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion: 43 Resp: 217141
Ion Ratio Lower Upper
43 100
74 13.8 12.4 18.6





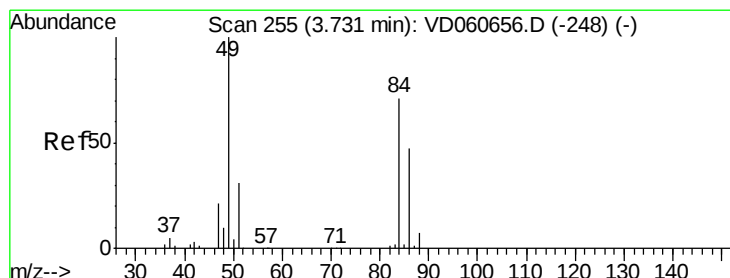
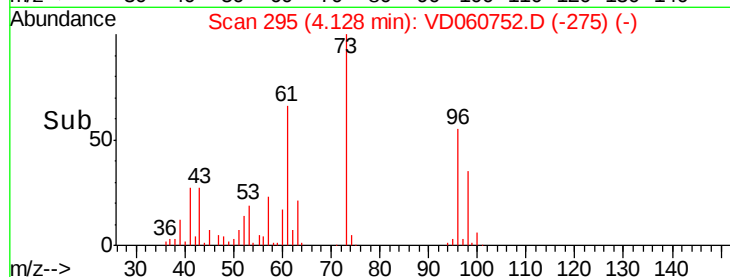
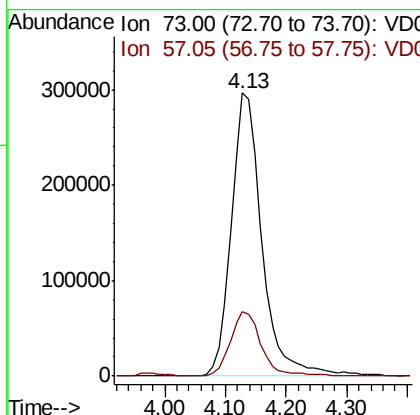
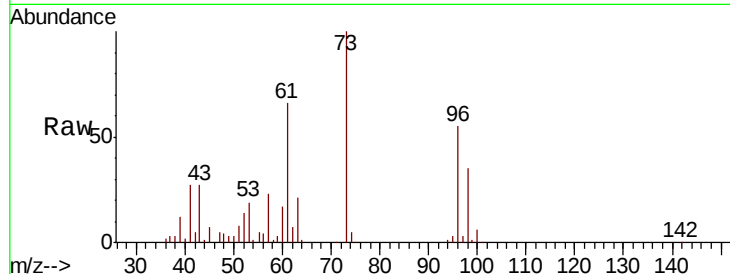
#19
Methvl tert-butvl Ether
Concen: 55.527 ug/l
RT: 4.13 min Scan# 295
Delta R.T. -0.01 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1035356
Ion Ratio Lower Upper
73 100
57 22.8 17.6 26.4

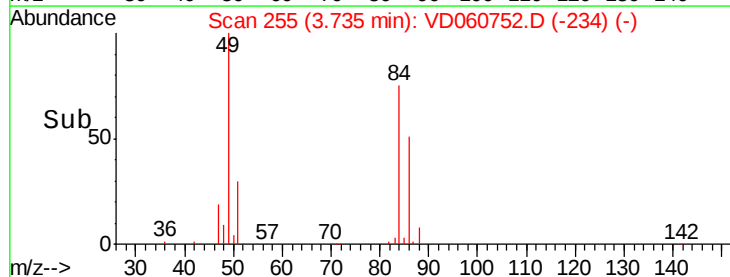
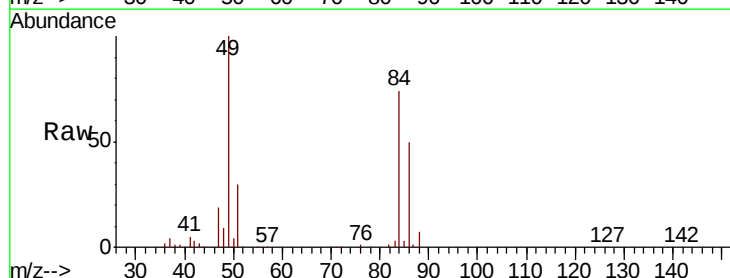
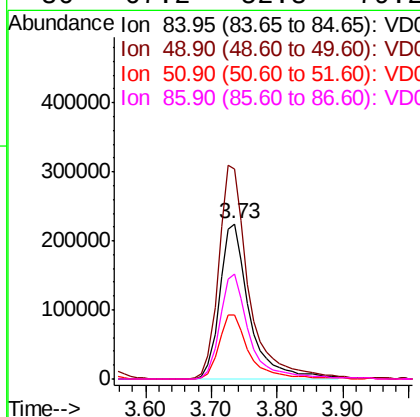
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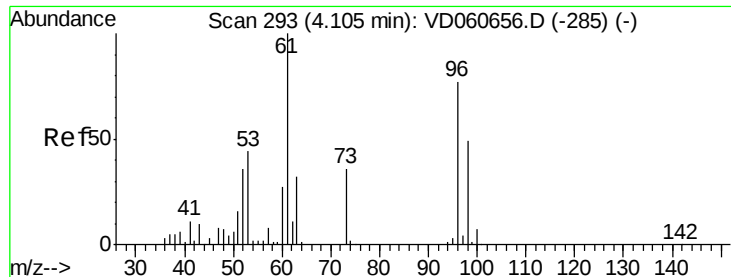
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#20
Methylene Chloride
Concen: 42.580 ug/l
RT: 3.73 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion: 84 Resp: 708654
Ion Ratio Lower Upper
84 100
49 135.4 113.6 170.4
51 41.1 34.7 52.1
86 67.2 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 51.449 ug/l

RT: 4.11 min Scan# 293

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 774378

Ion Ratio Lower Upper

96 100

61 127.7 104.2 156.2

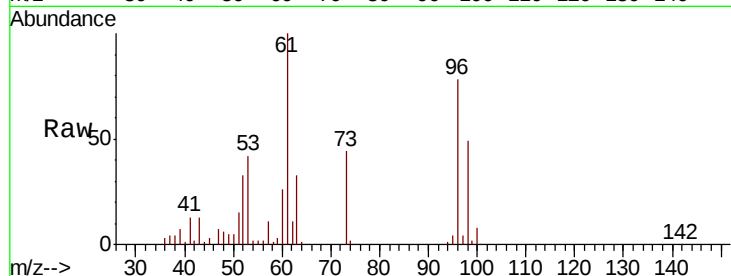
98 63.0 51.2 76.8

Manual Integrations

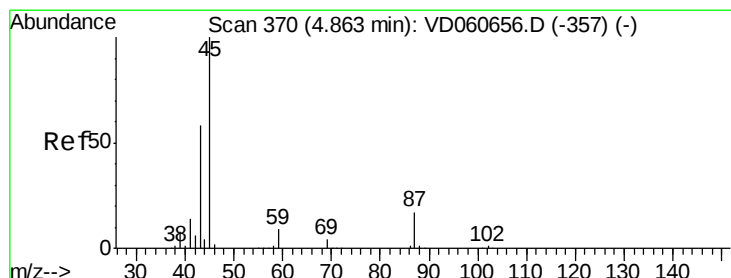
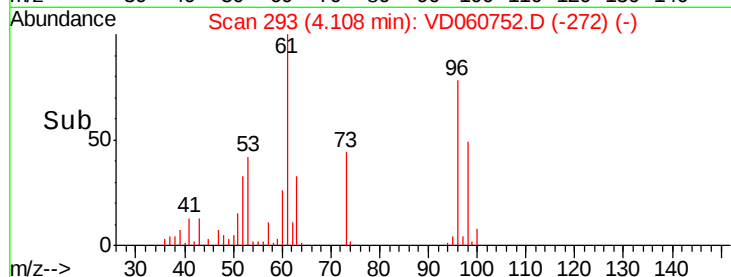
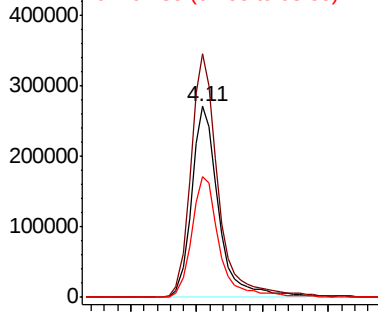
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.810 ug/l

RT: 4.86 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Tgt Ion: 45 Resp: 2418084

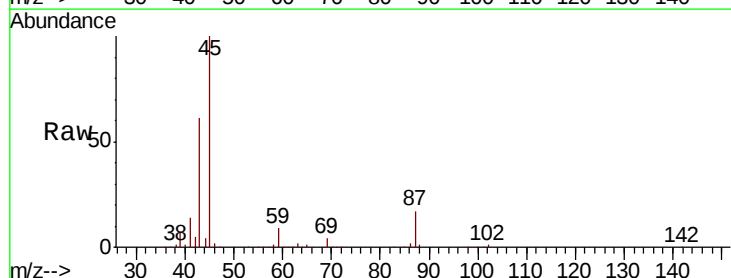
Ion Ratio Lower Upper

45 100

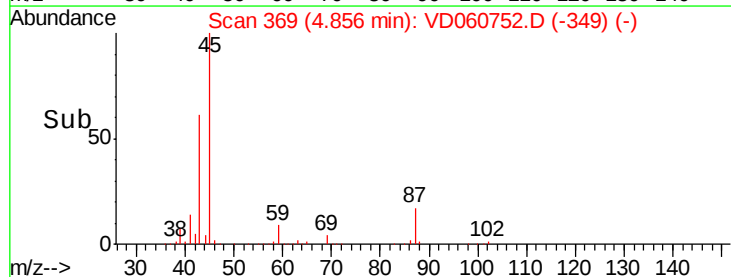
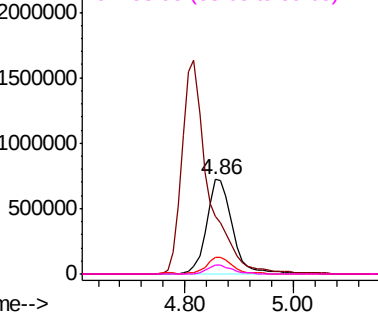
43 61.0 46.1 69.1

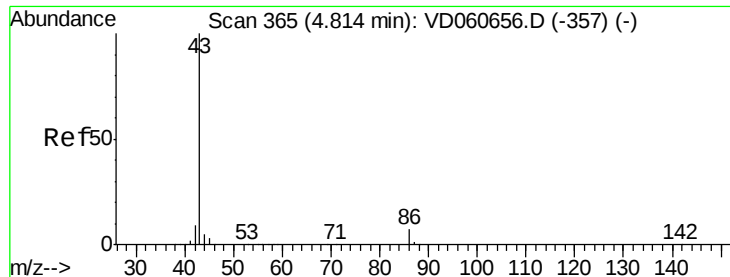
87 17.2 13.7 20.5

59 9.1 7.4 11.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 249.193 ug/l

RT: 4.82 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 5520236

Ion Ratio Lower Upper

43 100

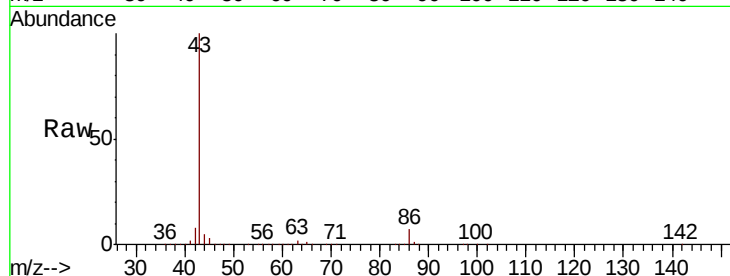
86 6.8 5.6 8.4

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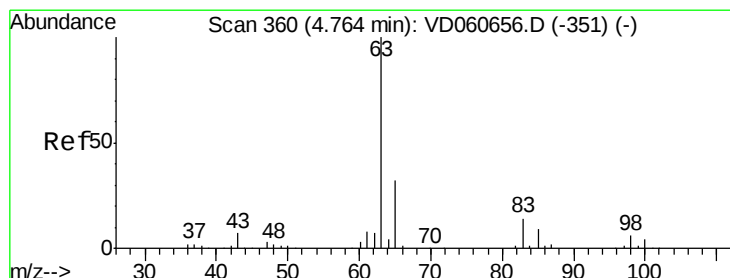
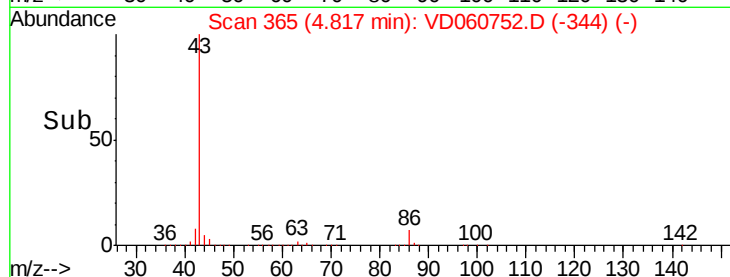
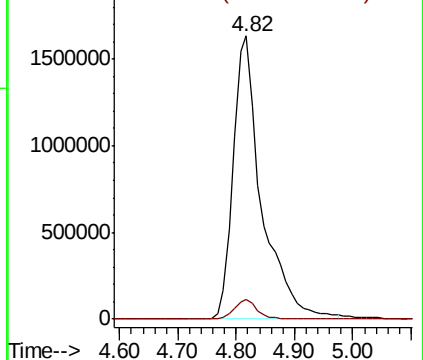
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.541 ug/l

RT: 4.77 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

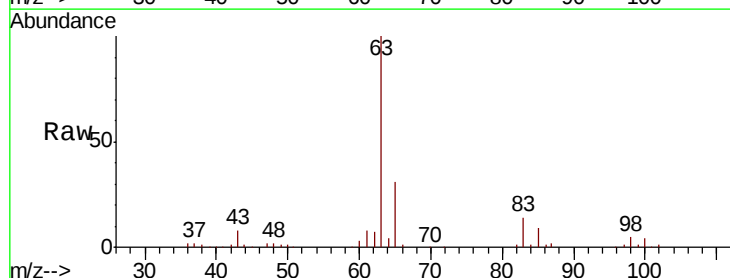
Tgt Ion: 63 Resp: 1241320

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.7

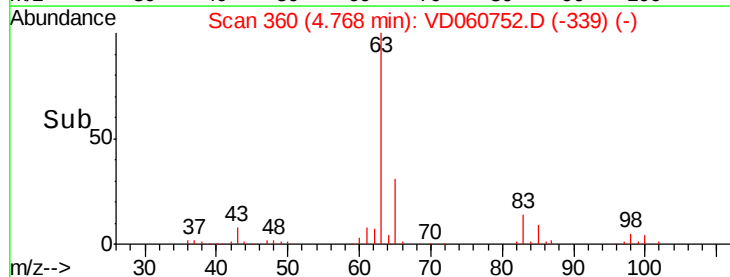
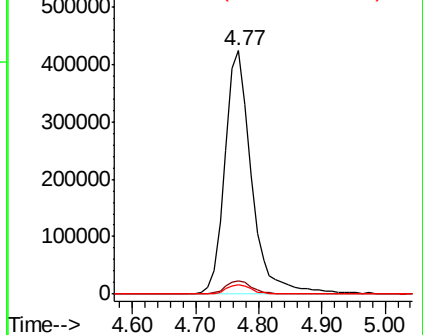
100 3.7 2.0 5.8

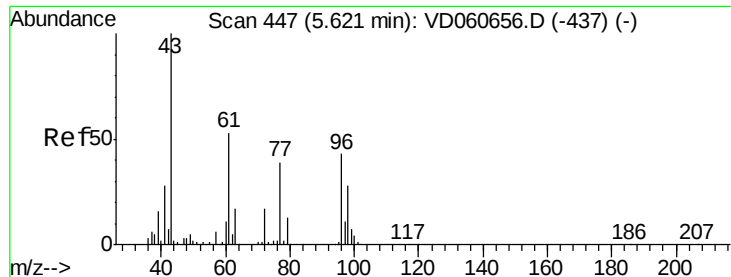


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 245.917 ug/l

RT: 5.62 min Scan# 447

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 754135

Ion Ratio Lower Upper

43 100

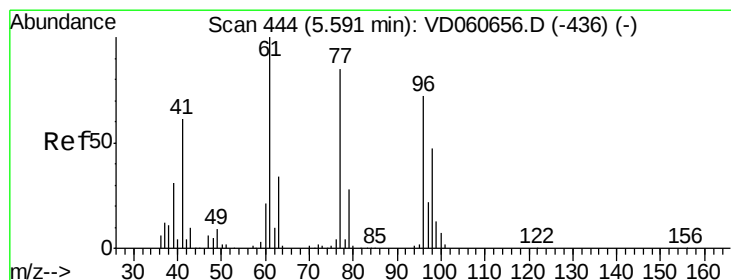
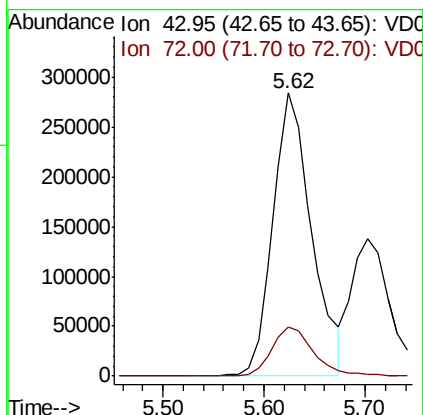
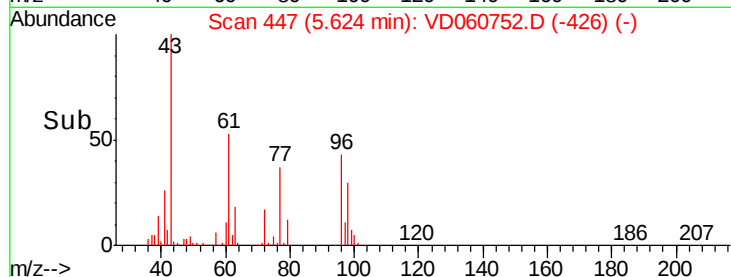
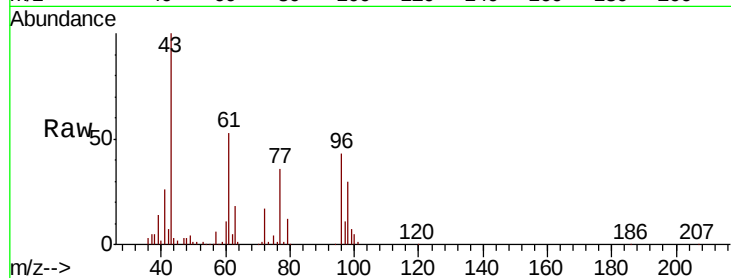
72 17.2 13.7 20.5

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#26

2,2-Dichloropropane

Concen: 48.310 ug/l

RT: 5.59 min Scan# 444

Delta R.T. 0.00 min

Lab File: VD060752.D

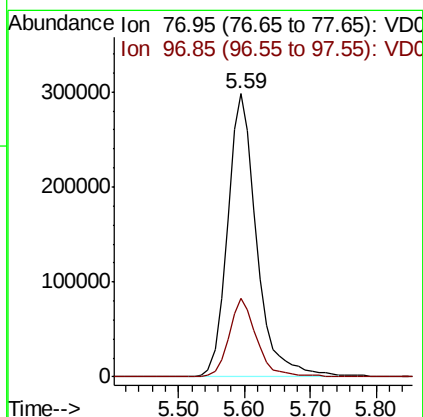
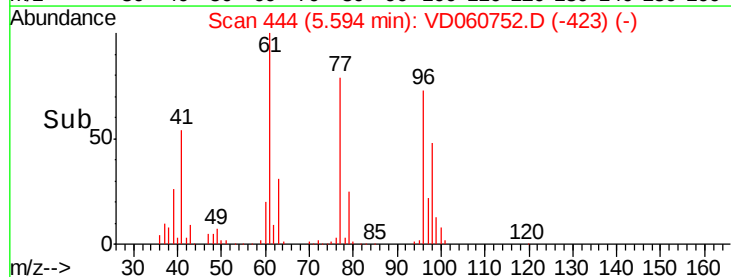
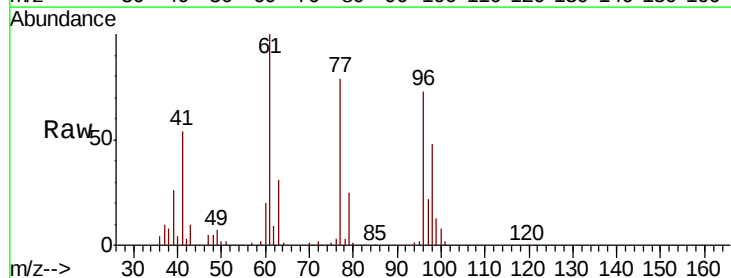
Acq: 28 Dec 2018 17:55

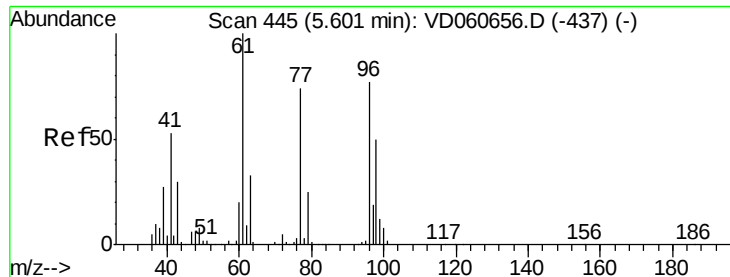
Tgt Ion: 77 Resp: 918428

Ion Ratio Lower Upper

77 100

97 27.7 13.0 39.0





#27

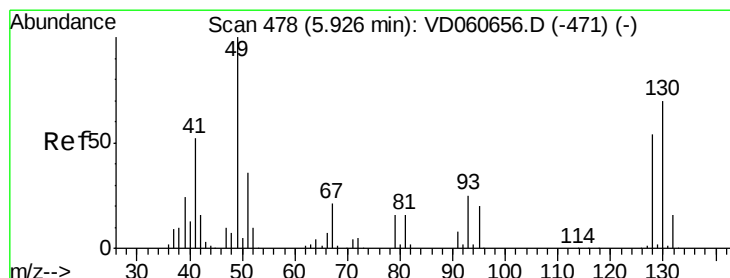
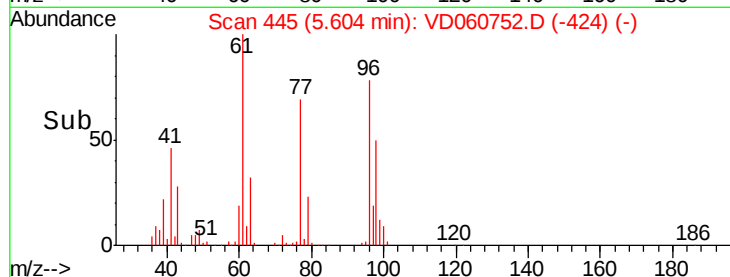
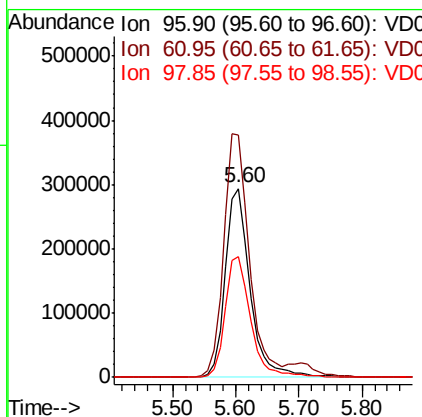
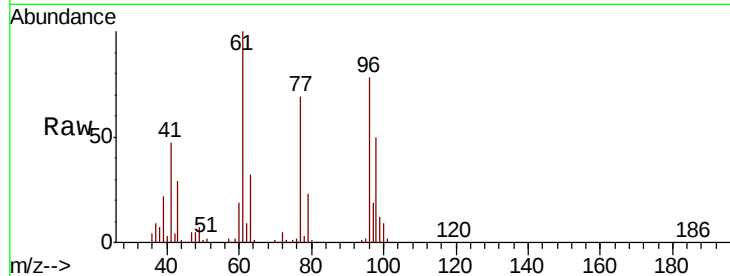
cis-1,2-Dichloroethene
Concen: 52.351 ug/l
RT: 5.60 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.3	0.0	259.4	
98	64.1	0.0	130.0	

Manual Integrations
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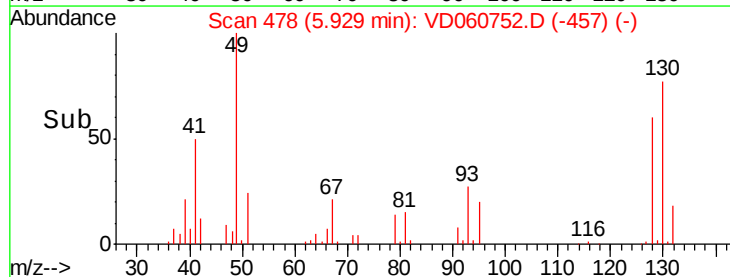
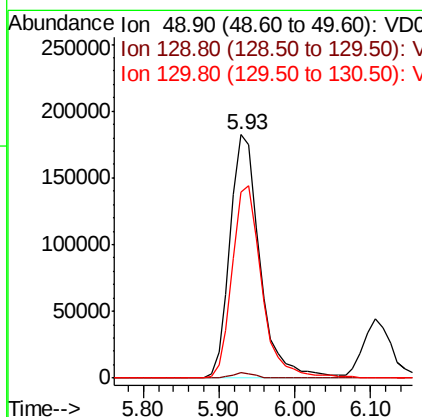
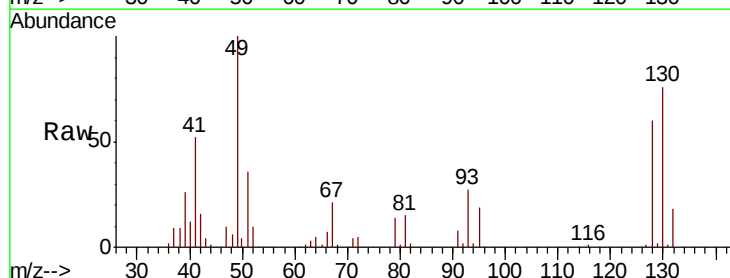
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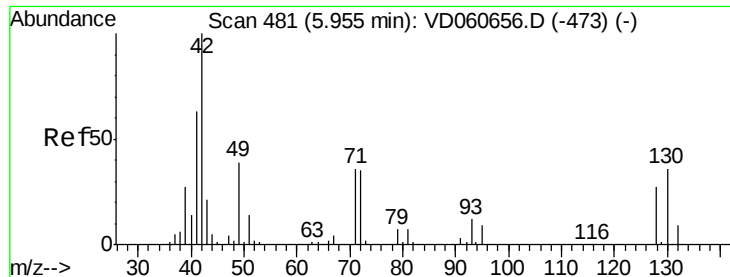


#28

Bromochloromethane
Concen: 48.781 ug/l
RT: 5.93 min Scan# 478
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.4	
130	76.4	56.2	84.2	





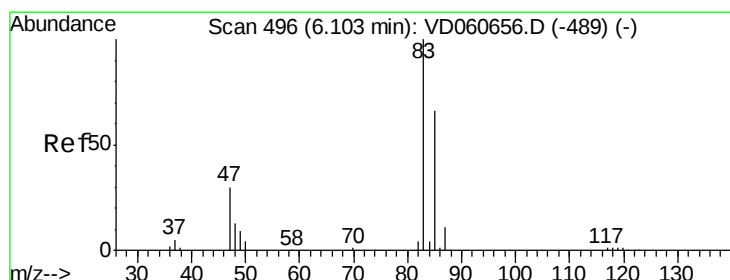
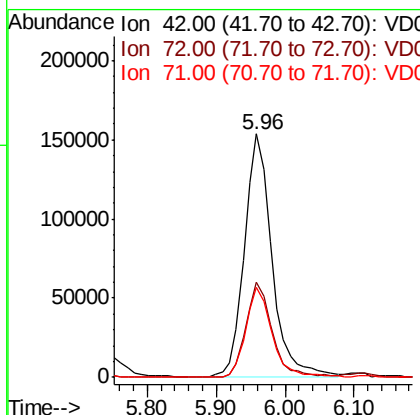
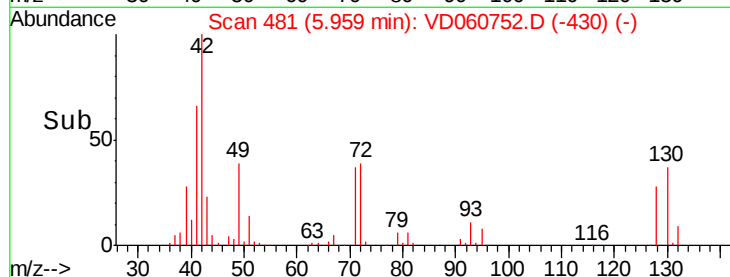
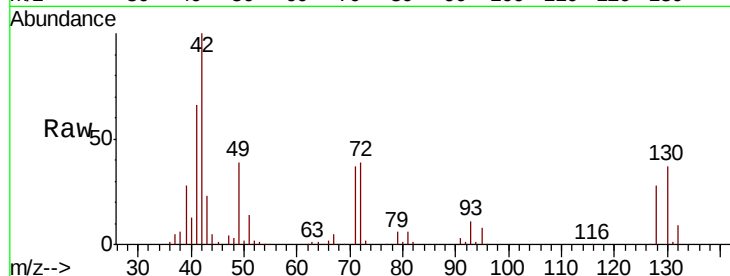
#29
Tetrahydrofuran
Concen: 246.765 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	28.0	42.0
71	35.3	27.0	40.6

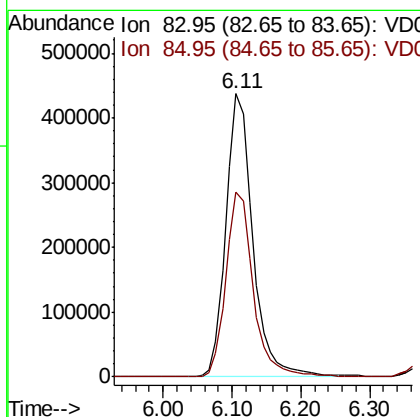
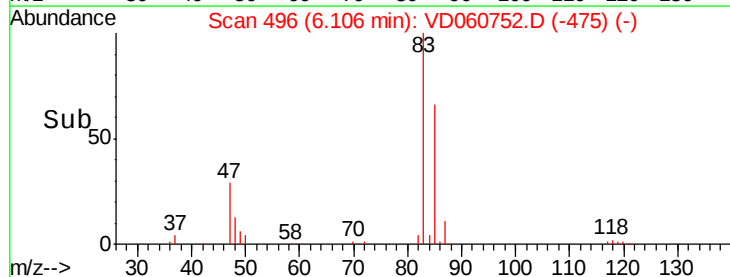
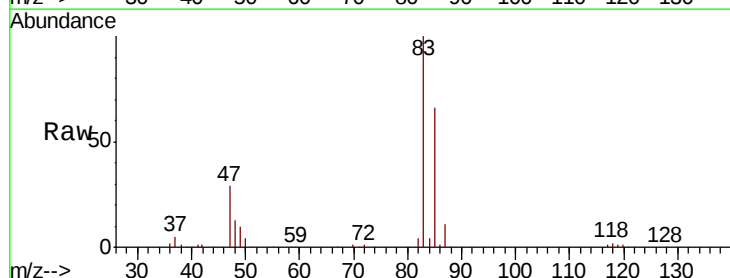
Manual Integrations
APPROVED

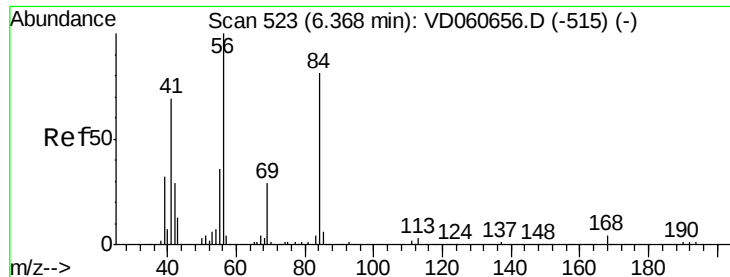
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#30
Chloroform
Concen: 48.922 ug/l
RT: 6.11 min Scan# 496
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.0	79.6





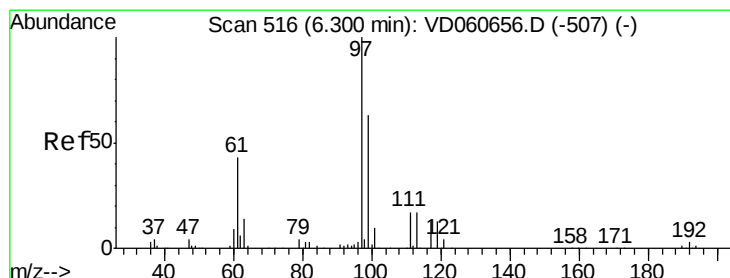
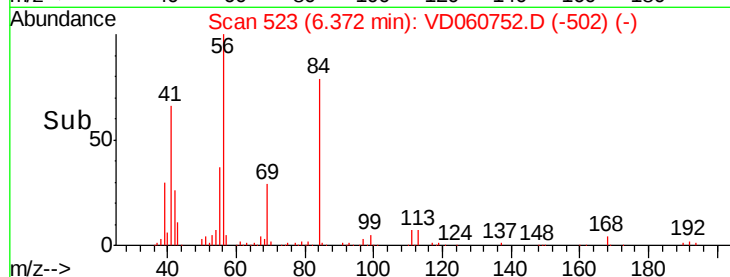
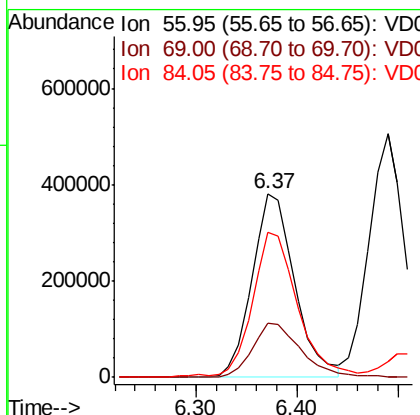
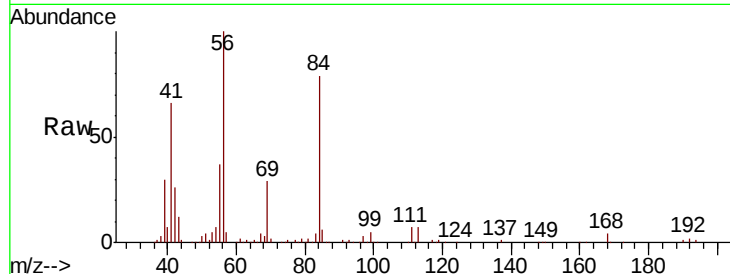
#31
Cyclohexane
Concen: 48.244 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 1118166
Ion Ratio Lower Upper
56 100
69 29.4 23.6 35.4
84 79.1 65.8 98.6

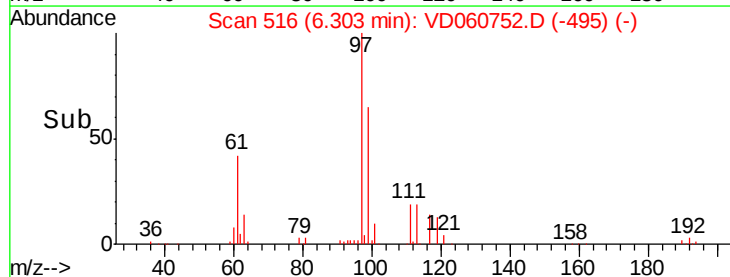
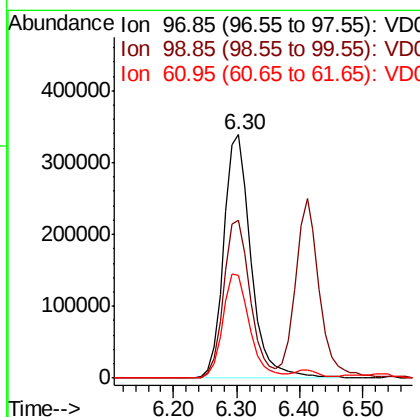
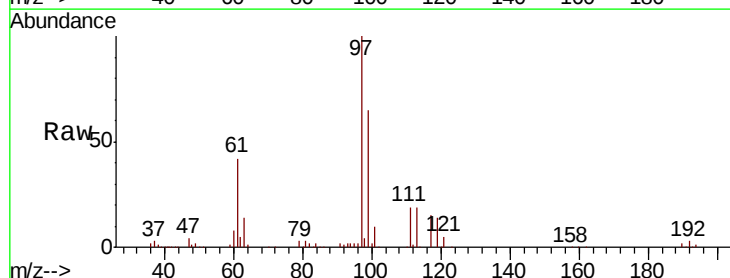
Manual Integrations
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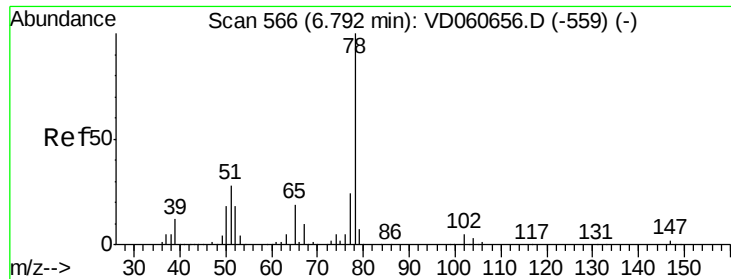
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#32
1,1,1-Trichloroethane
Concen: 50.395 ug/l
RT: 6.30 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion: 97 Resp: 1010417
Ion Ratio Lower Upper
97 100
99 65.0 50.5 75.7
61 42.2 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 50.395 ug/l

RT: 6.79 min Scan# 566

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Tot Ion: 65 Resp: 481363

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.4

Instrument :

MSVOA_D

ClientSampleId :

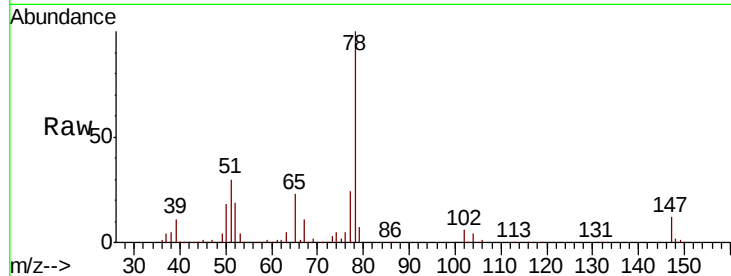
VSTDCCC050EC

Manual Integrations

APPROVED

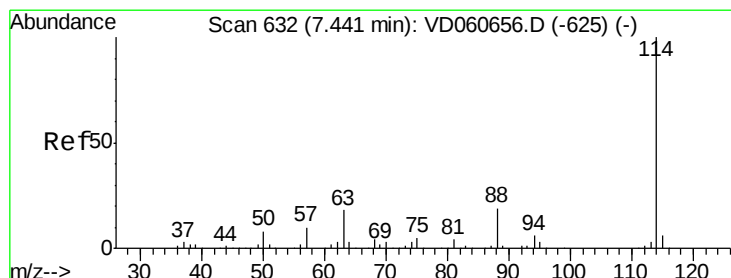
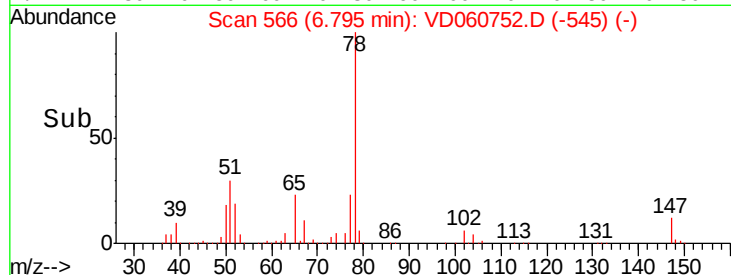
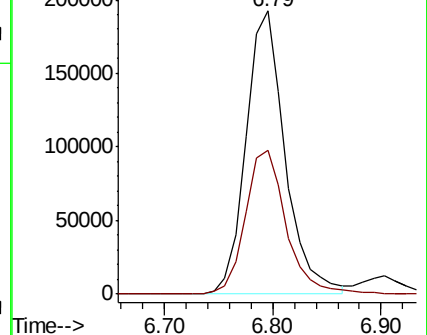
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 632

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

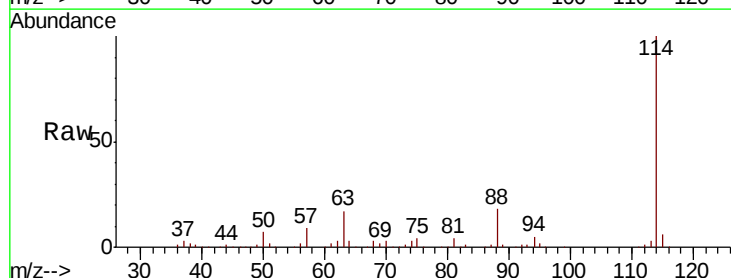
Tgt Ion: 114 Resp: 1987326

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.2

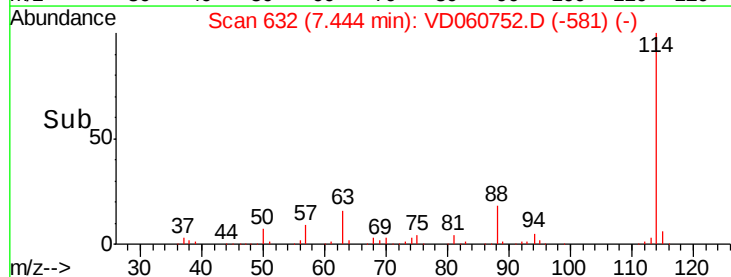
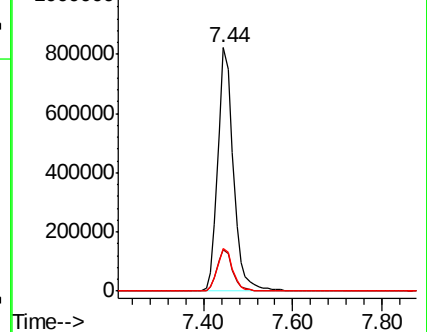
88 17.7 0.0 37.0

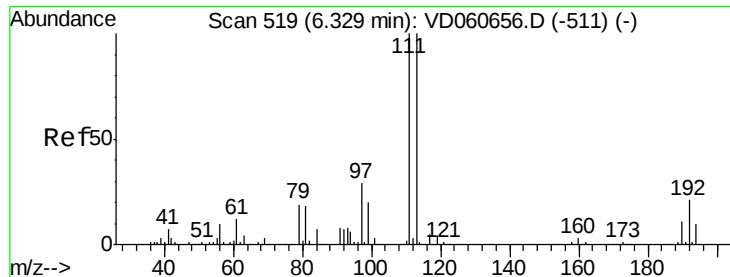


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





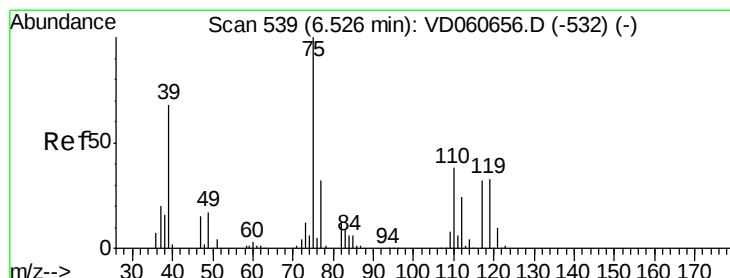
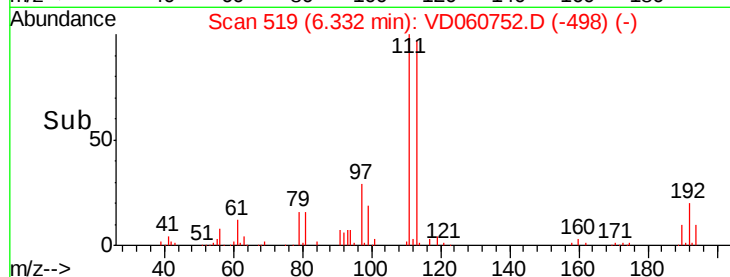
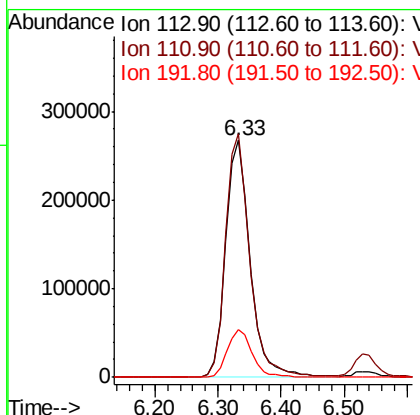
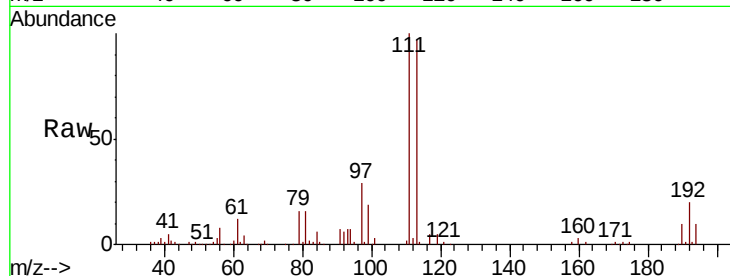
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	80.0	120.0	
192	20.4	16.6	25.0	

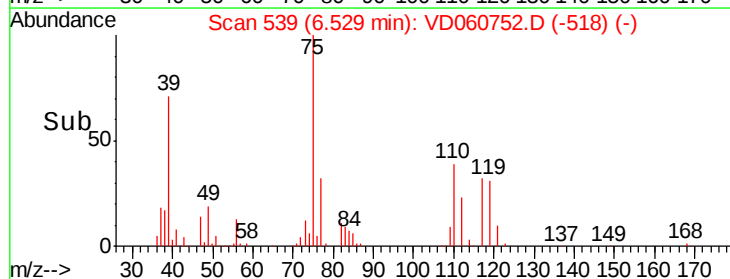
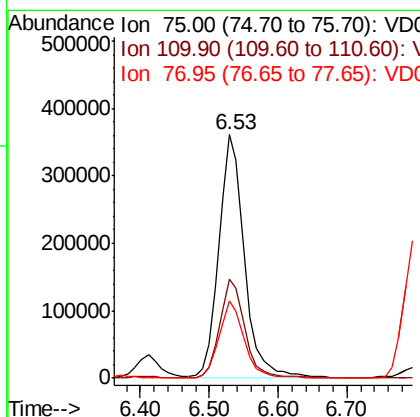
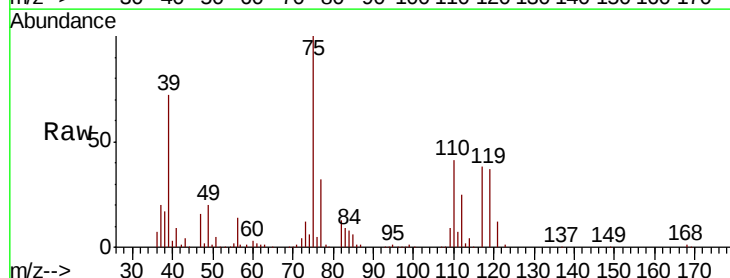
Manual Integrations
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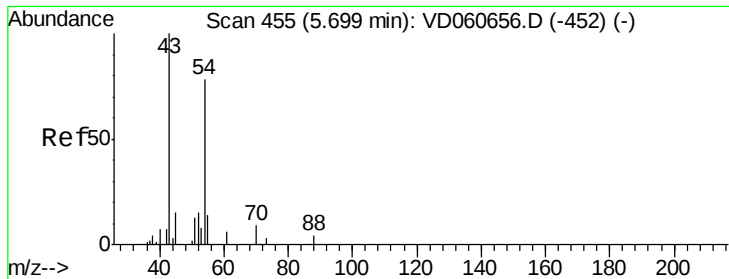
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#36
1,1-Dichloropropene
Concen: 44.701 ug/l
RT: 6.53 min Scan# 539
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	40.7	18.9	56.7	
77	31.9	25.4	38.0	





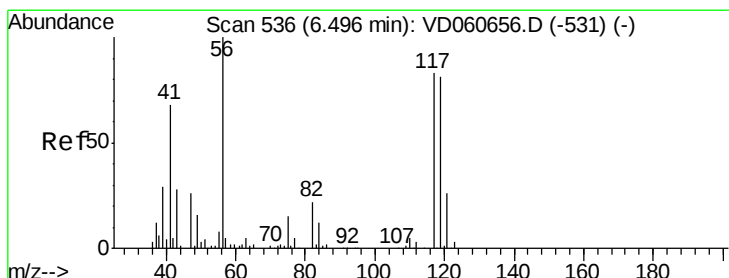
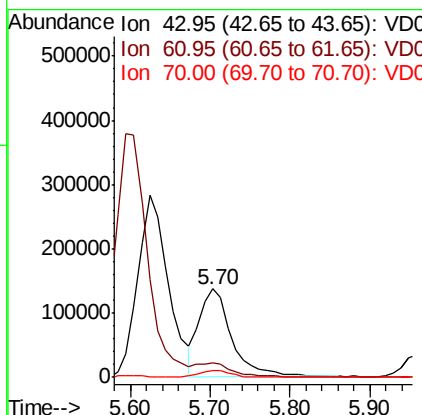
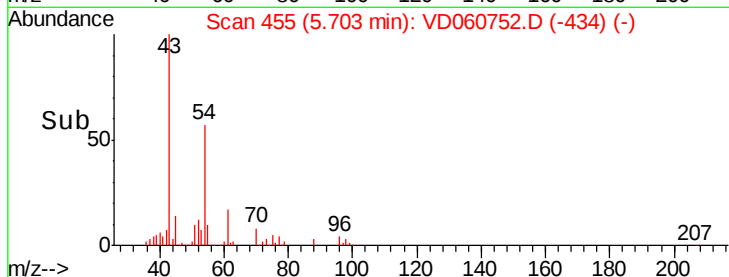
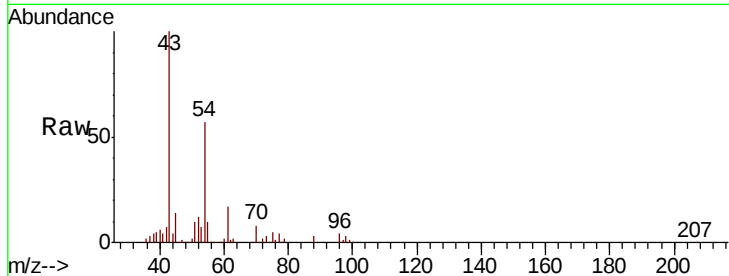
#37
Ethyl Acetate
Concen: 44.985 ug/l
RT: 5.70 min Scan# 455
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.8	17.6
70	7.9	5.8	8.6

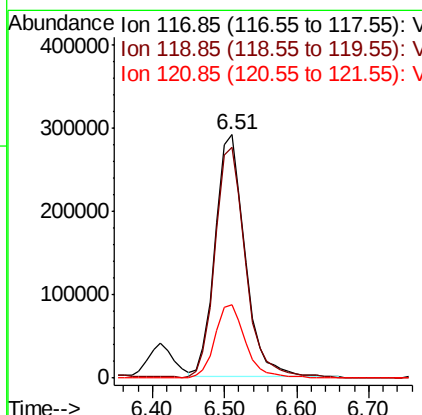
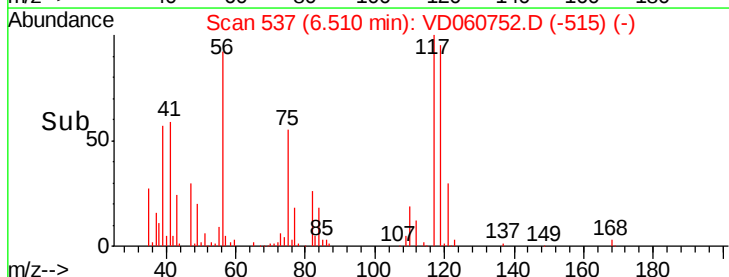
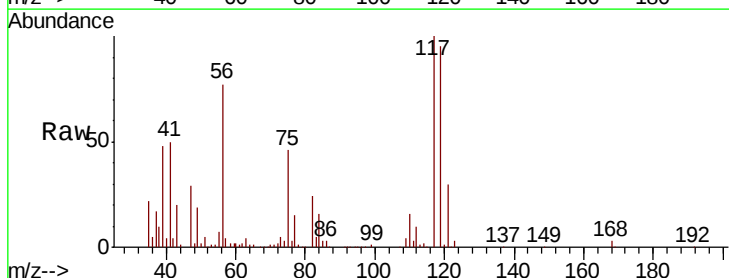
Manual Integrations
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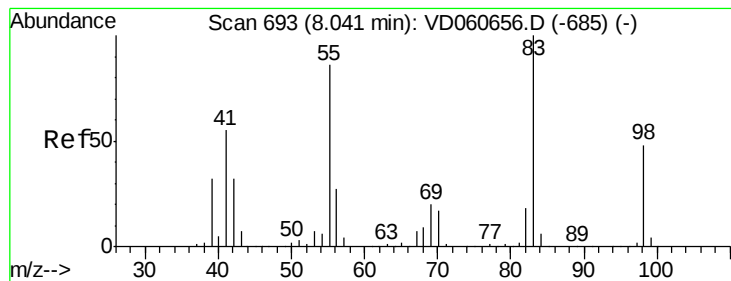
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#38
Carbon Tetrachloride
Concen: 46.162 ug/l
RT: 6.51 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.4
121	30.0	24.7	37.1





#39

Methvlcvclohexane

Concen: 45.804 ug/l

RT: 8.04 min Scan# 693

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 1069024

Ion Ratio Lower Upper

83 100

55 89.2 68.6 102.8

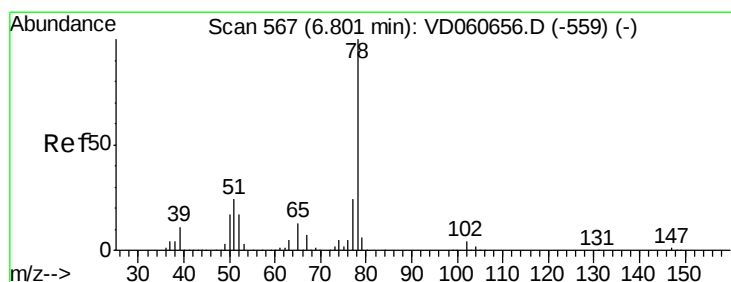
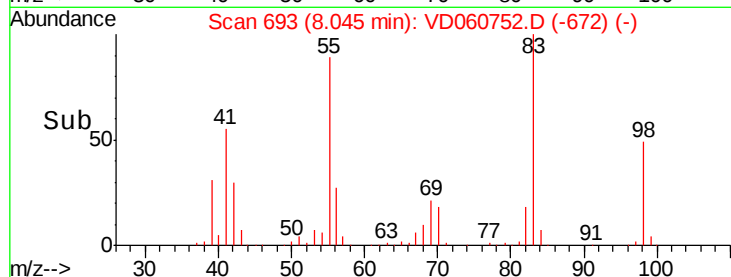
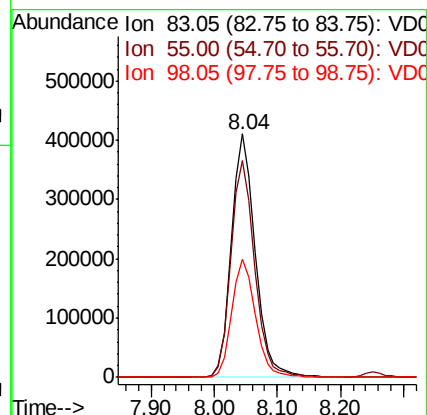
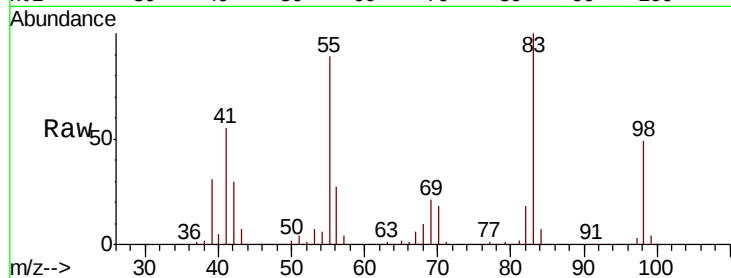
98 48.6 38.1 57.1

Manual Integrations

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#40

Benzene

Concen: 45.588 ug/l

RT: 6.80 min Scan# 567

Delta R.T. 0.00 min

Lab File: VD060752.D

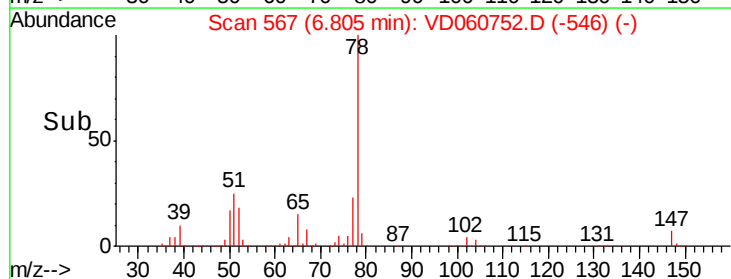
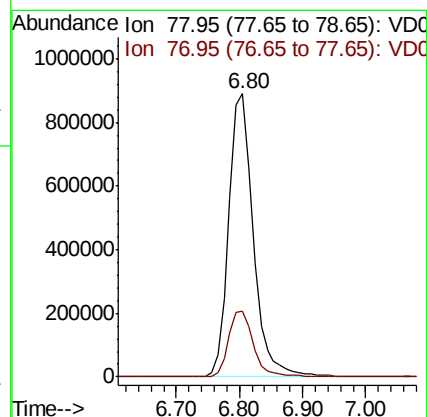
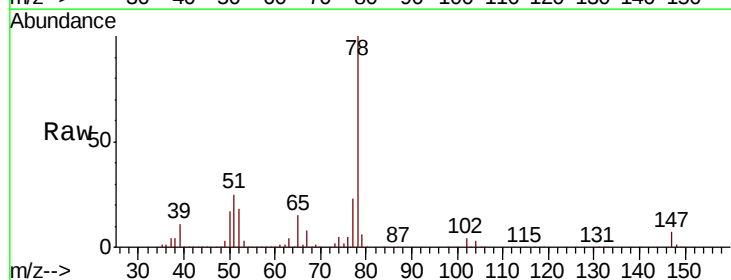
Acq: 28 Dec 2018 17:55

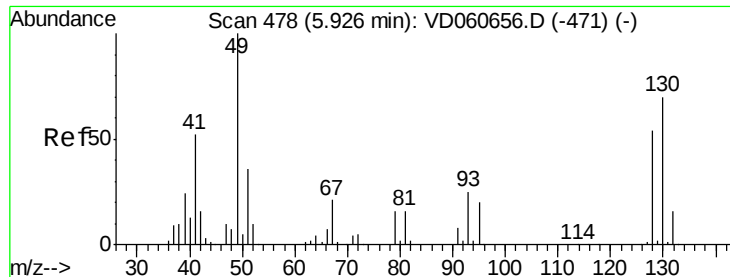
Tgt Ion: 78 Resp: 2409767

Ion Ratio Lower Upper

78 100

77 23.4 19.2 28.8





#41

Methacrylonitrile

Concen: 48.044 ug/l m

RT: 5.93 min Scan# 478

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 227441

Ion Ratio Lower Upper

41 100

39 49.0 37.6 56.4

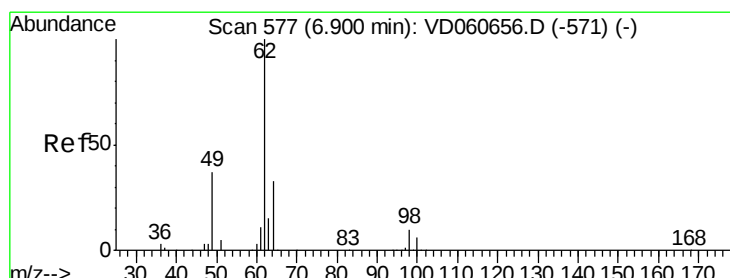
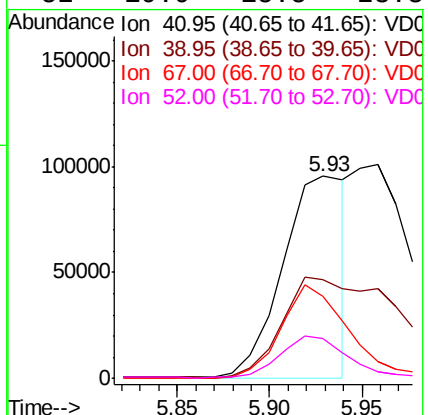
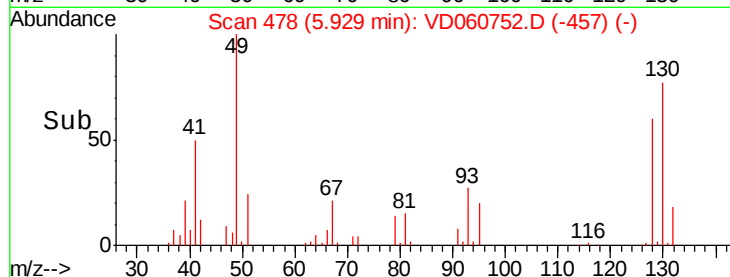
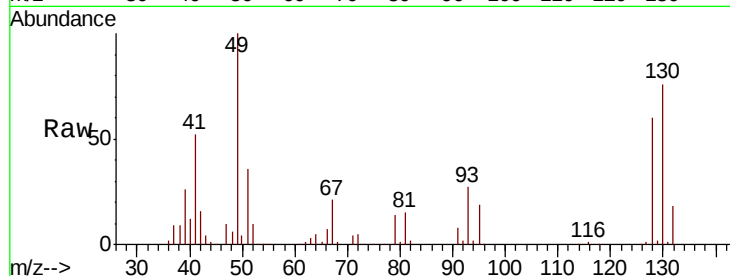
67 40.4 33.0 49.6

52 19.9 15.5 23.3

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.855 ug/l

RT: 6.90 min Scan# 577

Delta R.T. 0.00 min

Lab File: VD060752.D

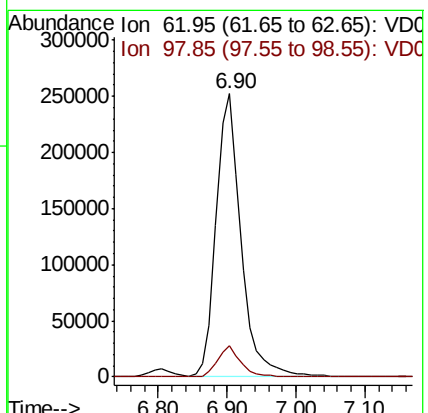
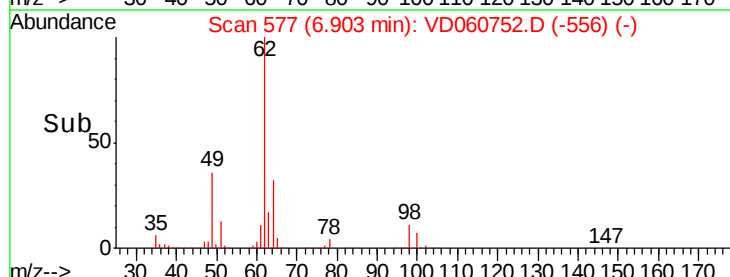
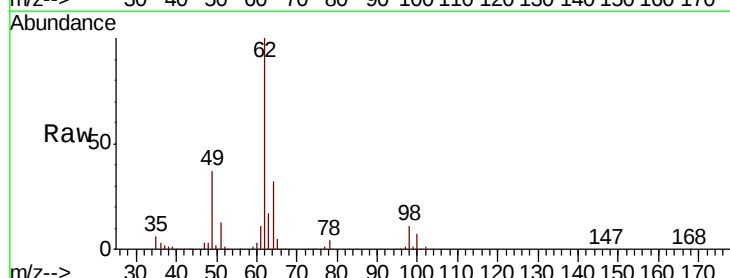
Acq: 28 Dec 2018 17:55

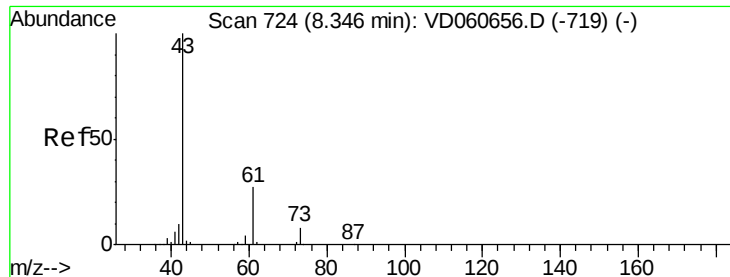
Tgt Ion: 62 Resp: 627745

Ion Ratio Lower Upper

62 100

98 10.9 0.0 20.4





#43

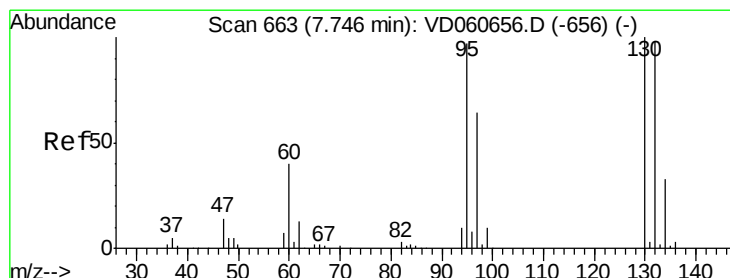
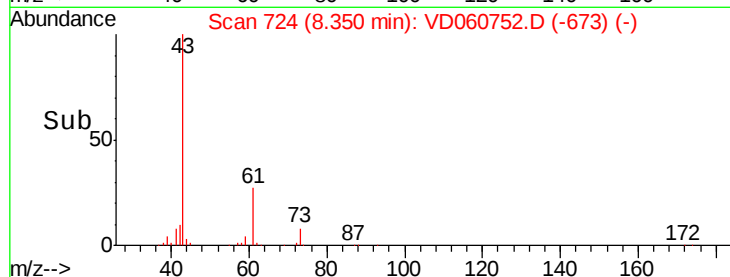
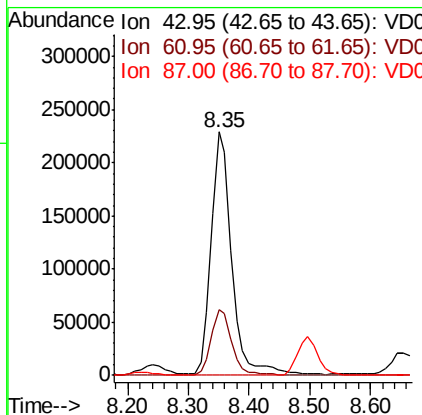
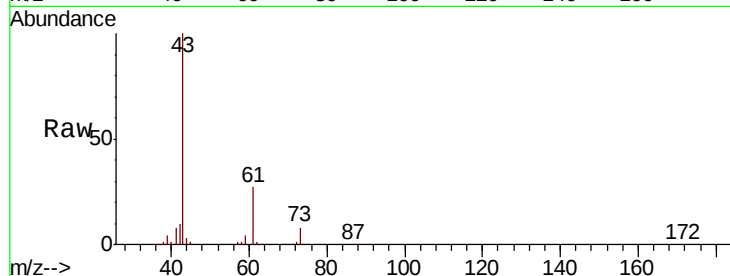
Isopropyl Acetate
 Concen: 49.030 ug/l
 RT: 8.35 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.8	32.8
87	0.2	0.2	0.4

Manual Integrations
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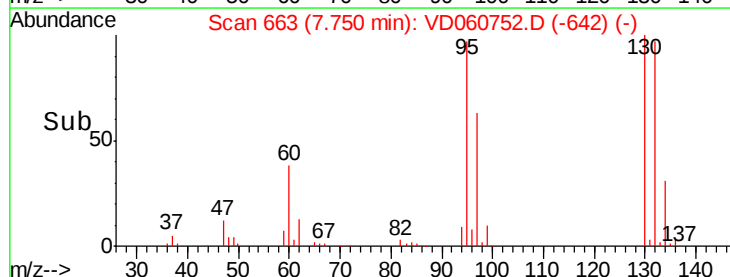
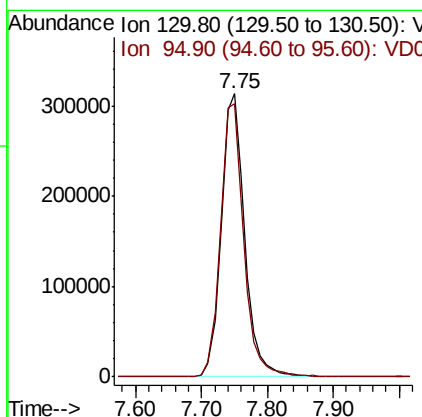
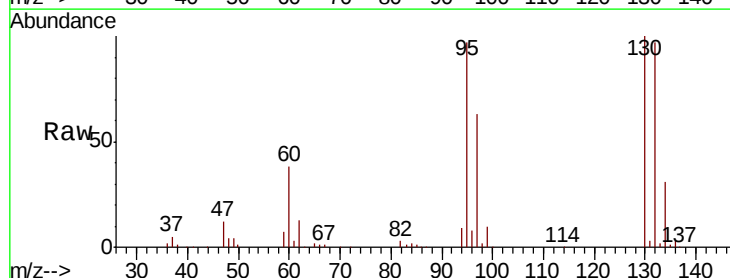
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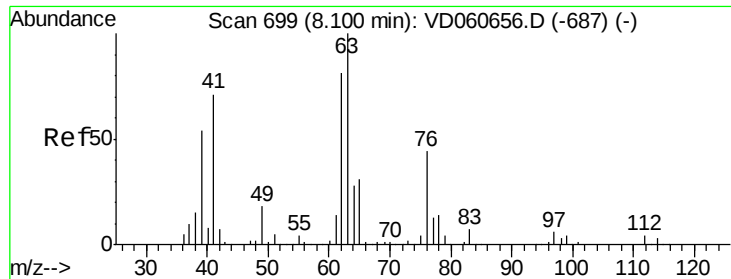


#44

Trichloroethene
 Concen: 49.468 ug/l
 RT: 7.75 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	193.6





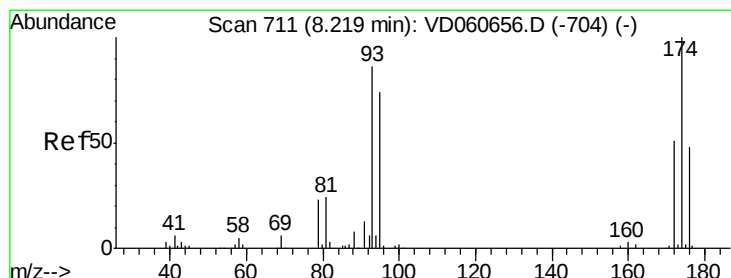
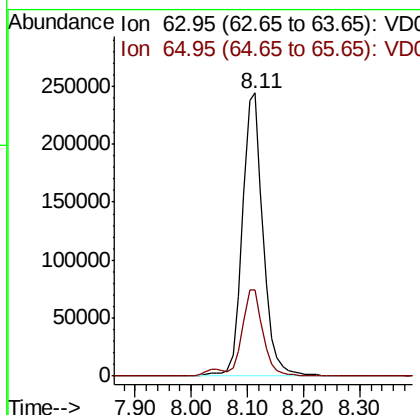
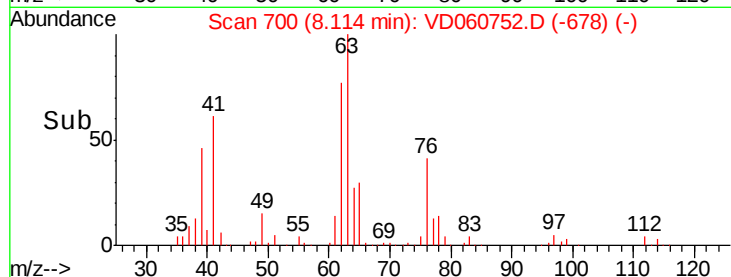
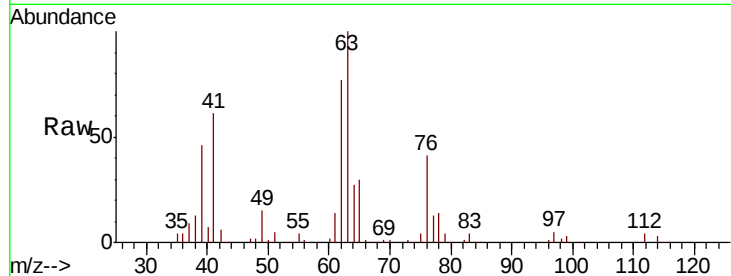
#45
 1,2-Dichloropropane
 Concen: 48.059 ug/l
 RT: 8.11 min Scan# 700
 Delta R.T. 0.01 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 622998
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

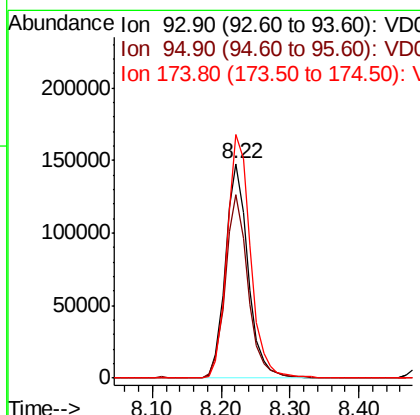
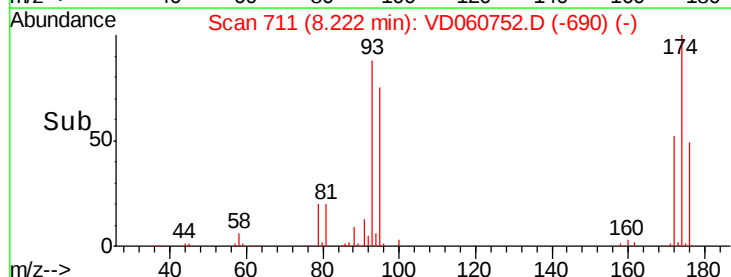
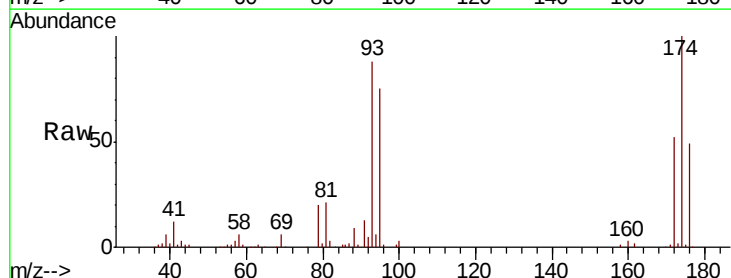
Manual Integrations
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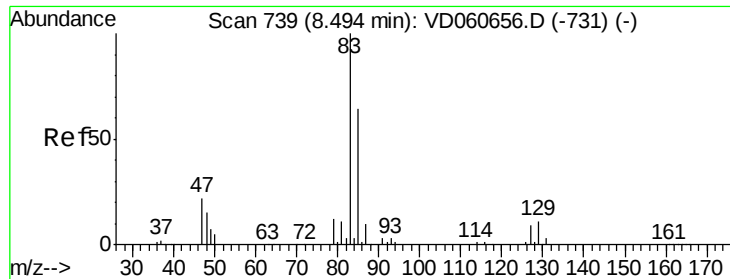
apatel
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#46
 Dibromomethane
 Concen: 45.508 ug/l
 RT: 8.22 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion: 93 Resp: 336697
 Ion Ratio Lower Upper
 93 100
 95 85.2 68.8 103.2
 174 113.4 93.0 139.4





#47

Bromodichloromethane

Concen: 45.570 ug/l

RT: 8.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

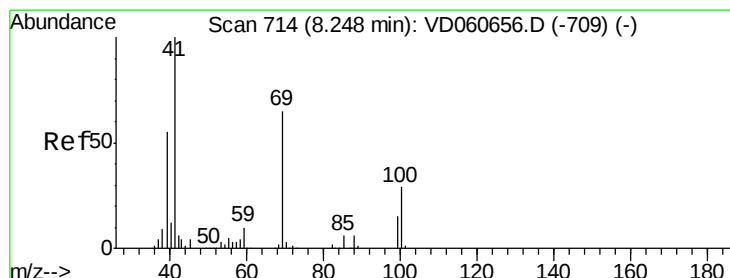
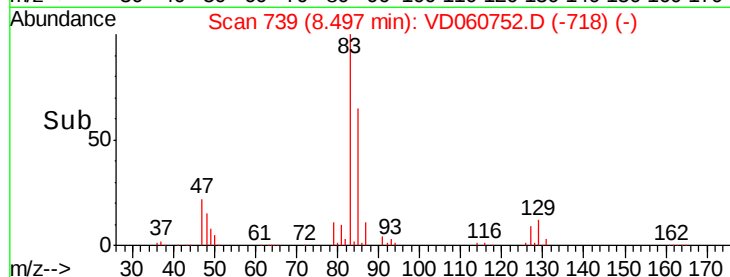
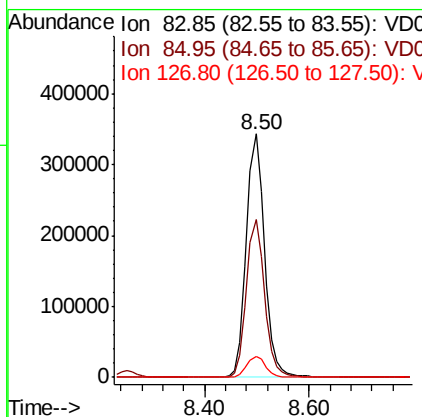
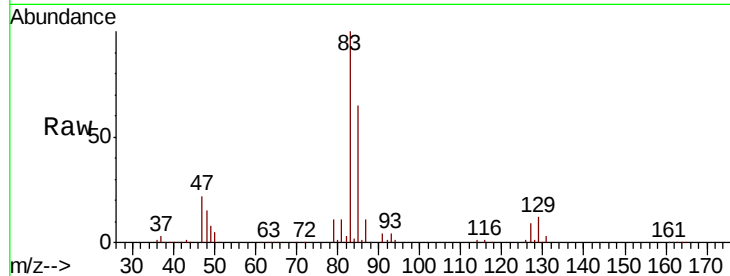
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	798547
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.1	76.7
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.883 ug/l

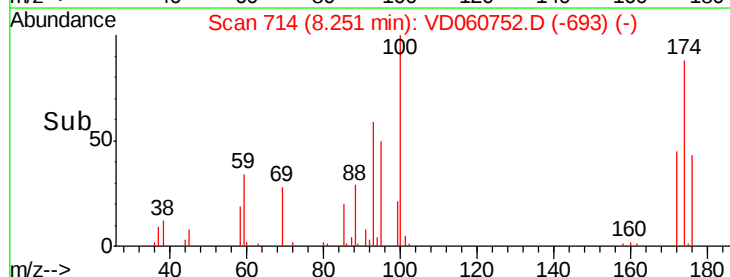
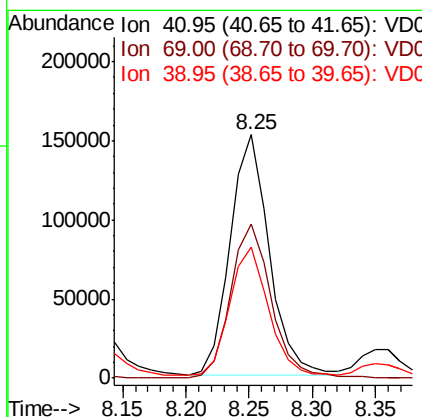
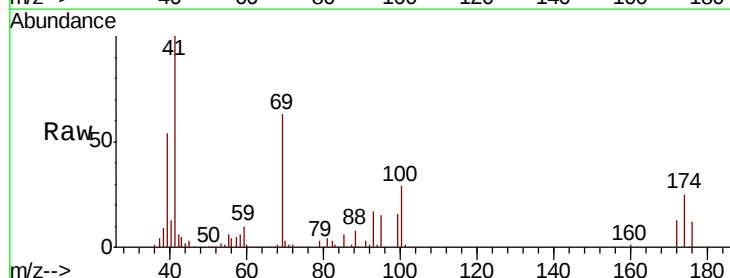
RT: 8.25 min Scan# 714

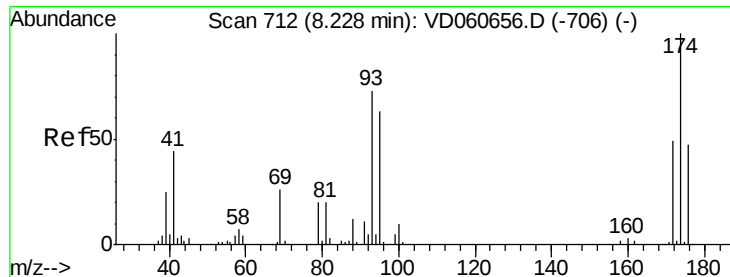
Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Tgt Ion:	41	Resp:	326088
Ion Ratio	Lower	Upper	
41	100		
69	63.3	51.2	76.8
39	53.8	44.6	67.0





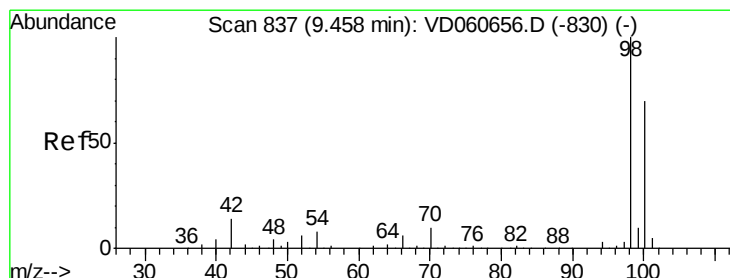
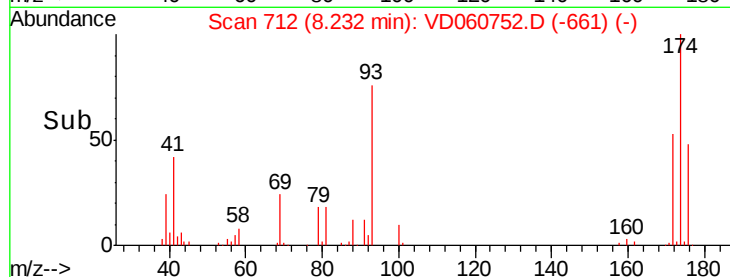
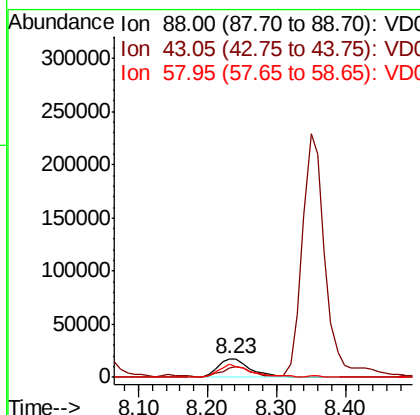
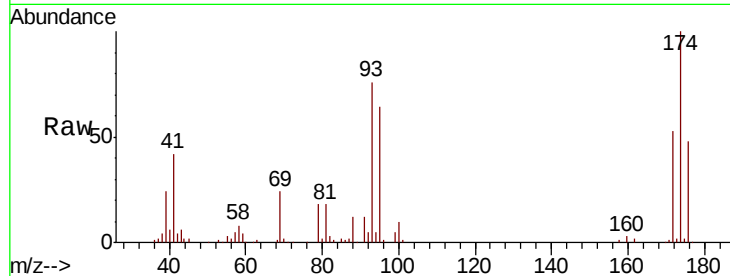
#49
1,4-Dioxane
Concen: 940.479 ug/l
RT: 8.23 min Scan# 712
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.1	31.5	47.3#
58	67.6	50.6	76.0

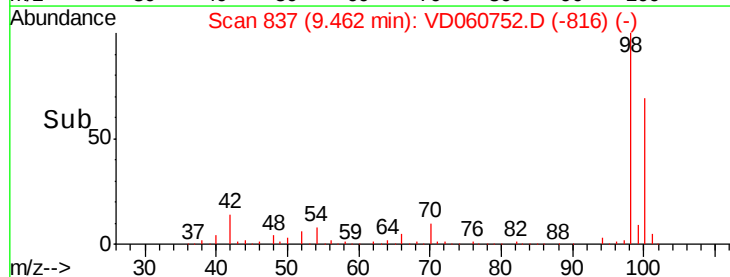
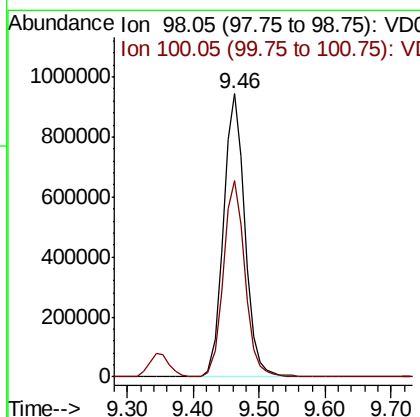
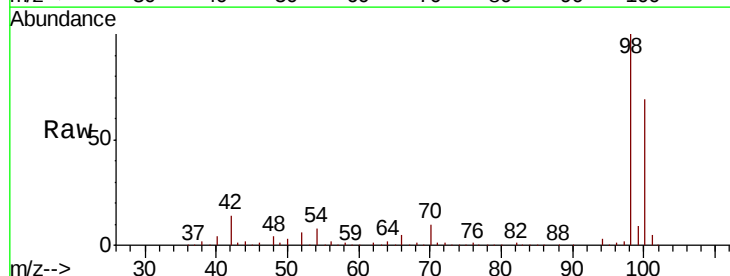
Manual Integrations
APPROVED

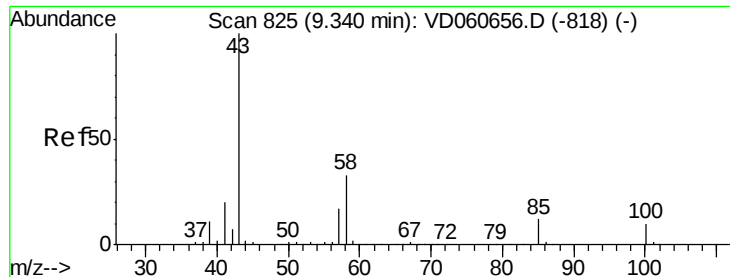
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#50
Toluene-d8
Concen: 940.479 ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.8	83.8





#51

4-Methyl-2-Pentanone

Concen: 242.934 ug/l

RT: 9.34 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1634707

Ion Ratio Lower Upper

43 100

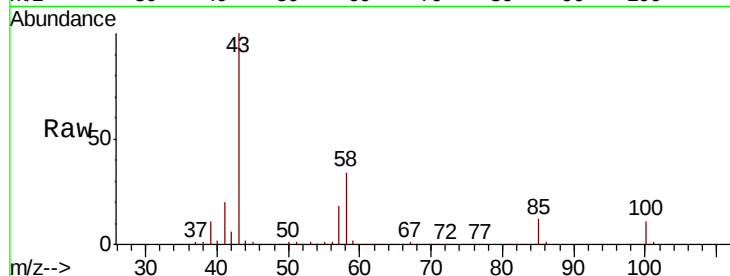
58 33.7 26.3 39.5

Manual Integrations

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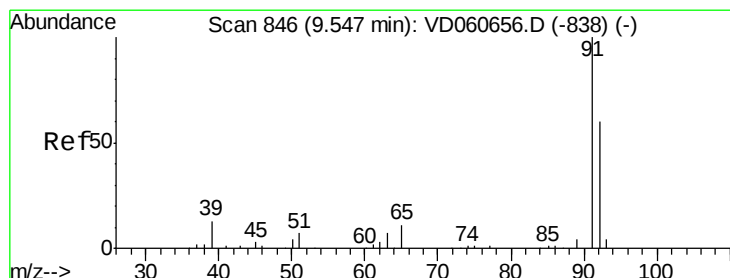
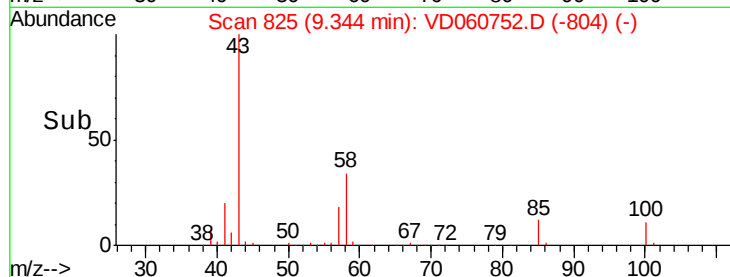
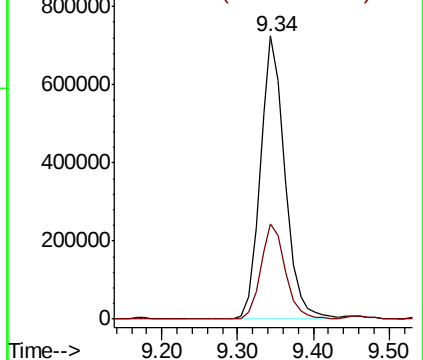
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.426 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060752.D

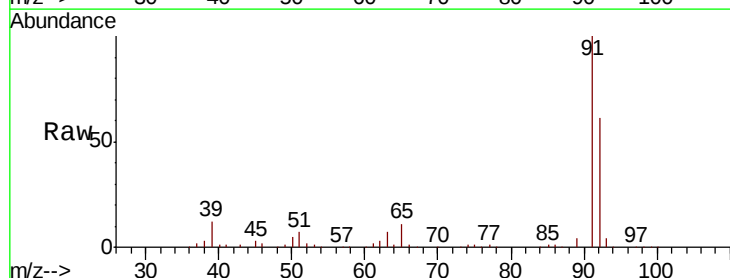
Acq: 28 Dec 2018 17:55

Tgt Ion: 92 Resp: 1538451

Ion Ratio Lower Upper

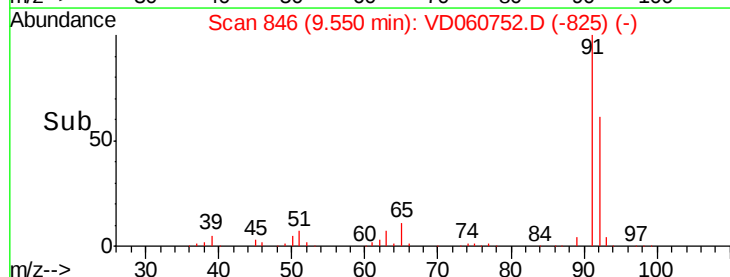
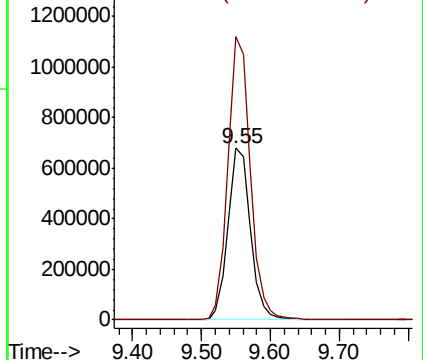
92 100

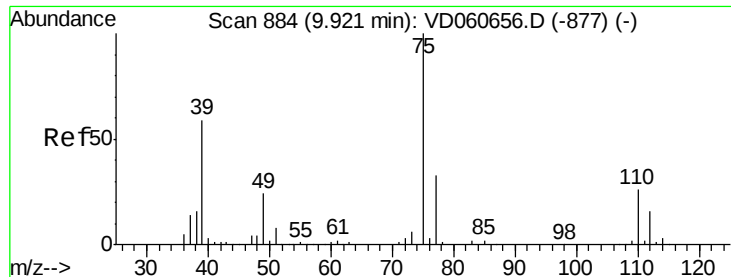
91 164.7 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





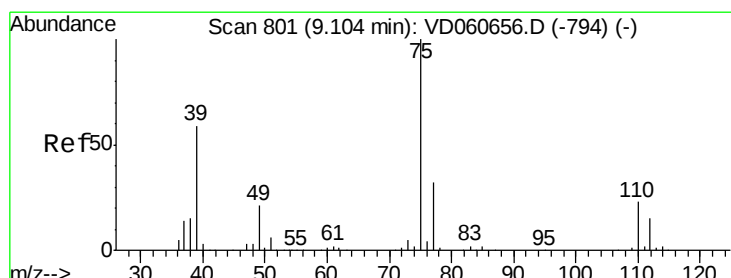
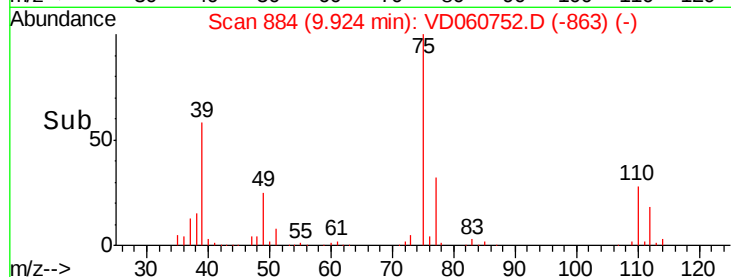
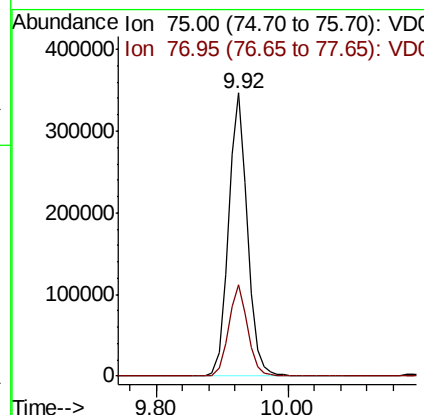
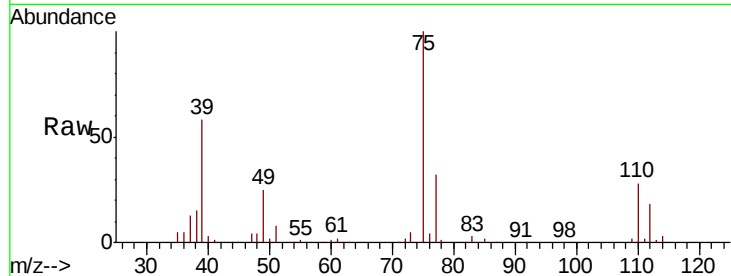
#53
t-1,3-Dichloropropene
Concen: 47.438 ug/l
RT: 9.92 min Scan# 884
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 693530
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0

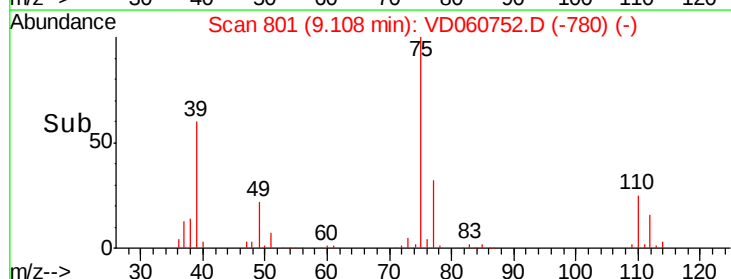
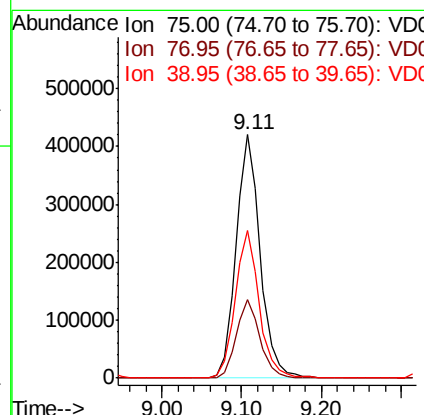
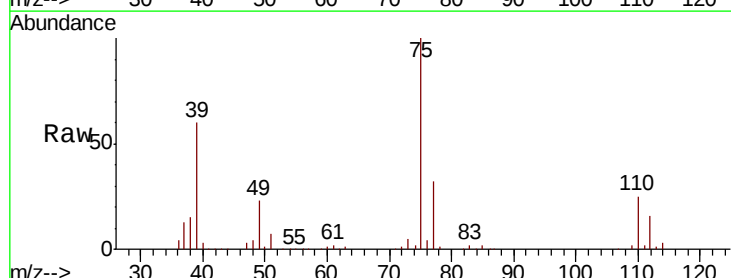
Manual Integrations
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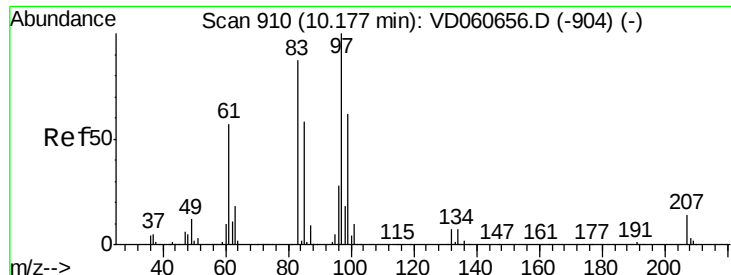
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#54
cis-1,3-Dichloropropene
Concen: 46.474 ug/l
RT: 9.11 min Scan# 801
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion: 75 Resp: 889307
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 60.4 47.0 70.4





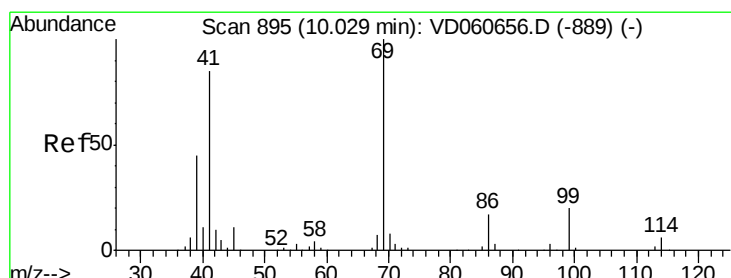
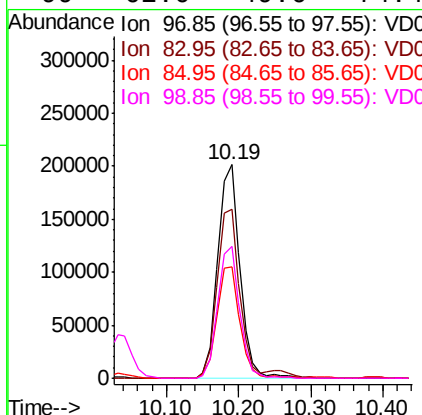
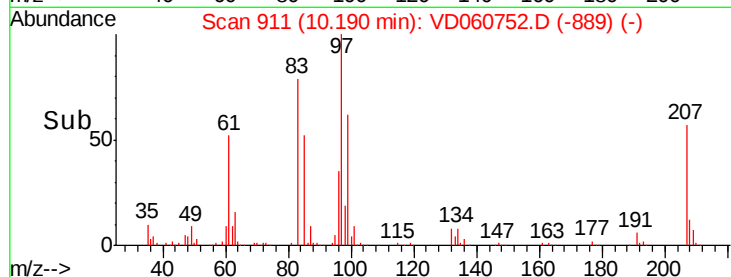
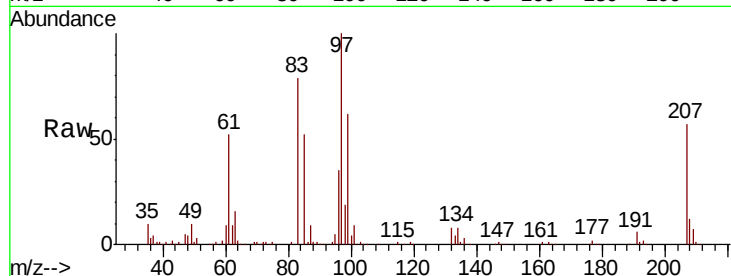
#55
 1,1,2-Trichloroethane
 Concen: 47.726 ug/l
 RT: 10.19 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	425522
Ion	Ratio	Lower	Upper
97	100		
83	79.1	70.0	105.0
85	52.0	46.6	70.0
99	62.0	49.6	74.4

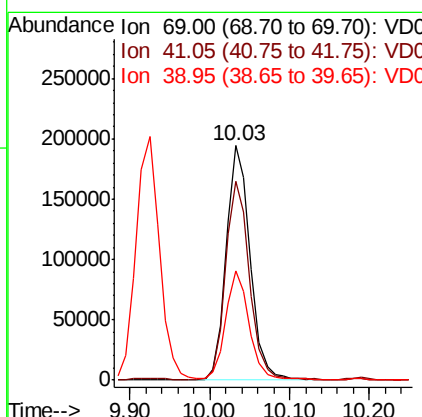
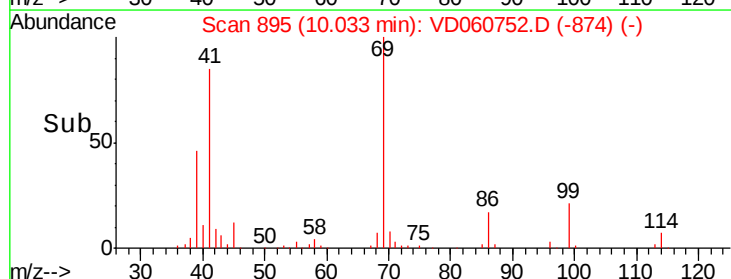
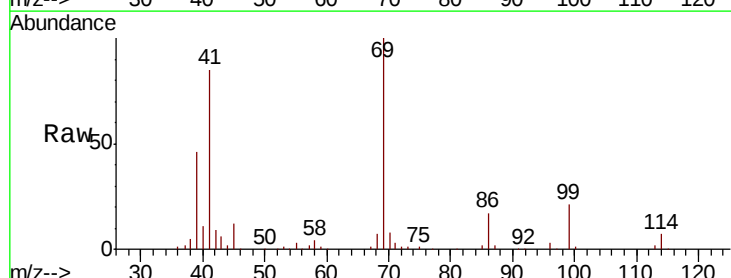
Manual Integrations
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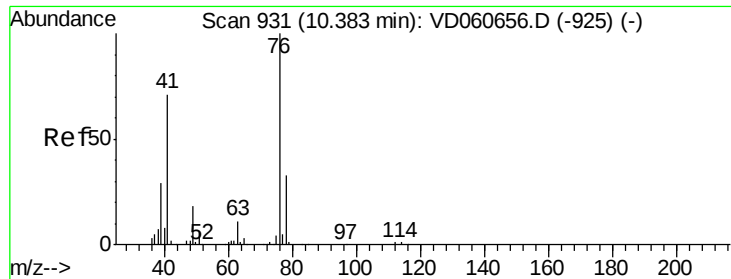
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#56
 Ethyl methacrylate
 Concen: 49.641 ug/l
 RT: 10.03 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion:	69	Resp:	411097
Ion	Ratio	Lower	Upper
69	100		
41	85.0	68.3	102.5
39	46.4	37.2	55.8





#57

1,3-Dichloropropane

Concen: 45.512 ug/l

RT: 10.39 min Scan# 931

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 643188

Ion Ratio Lower Upper

76 100

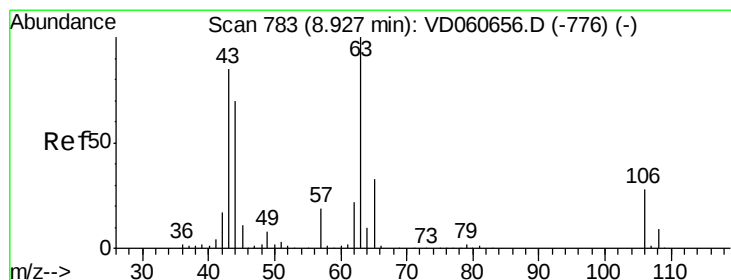
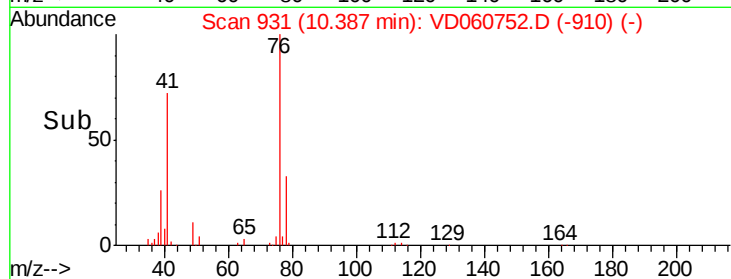
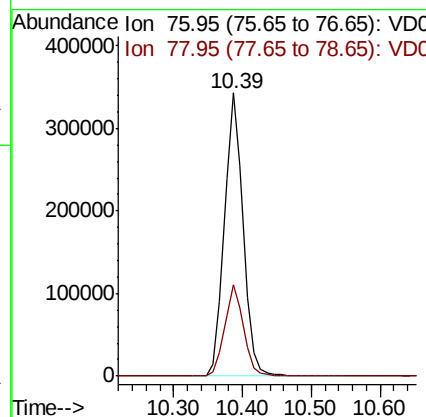
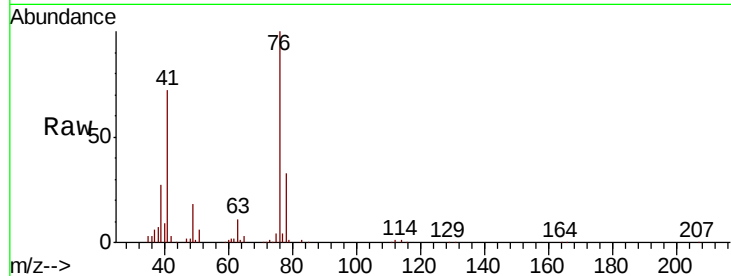
78 32.5 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 215.288 ug/l

RT: 8.93 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD060752.D

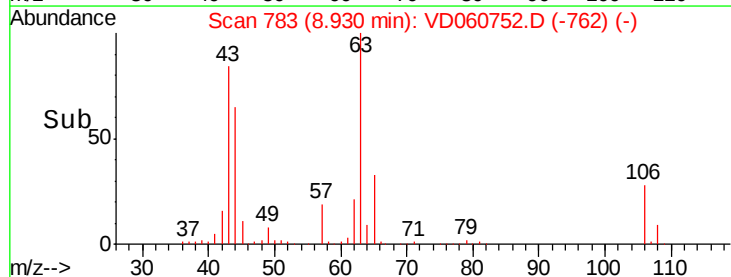
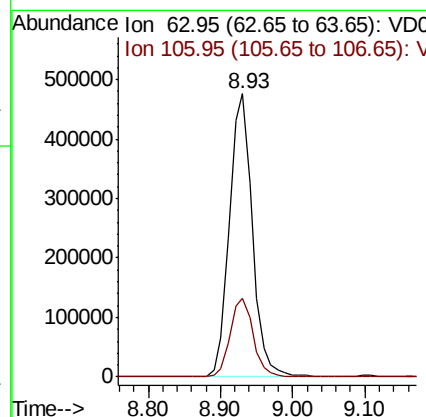
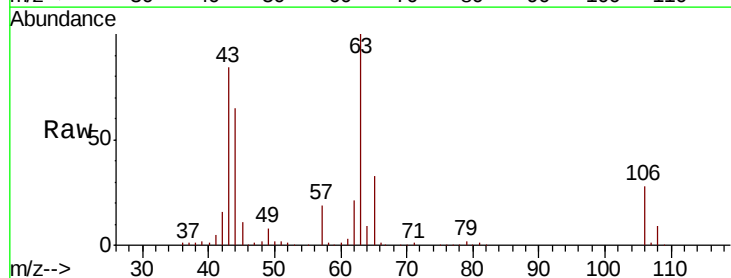
Acq: 28 Dec 2018 17:55

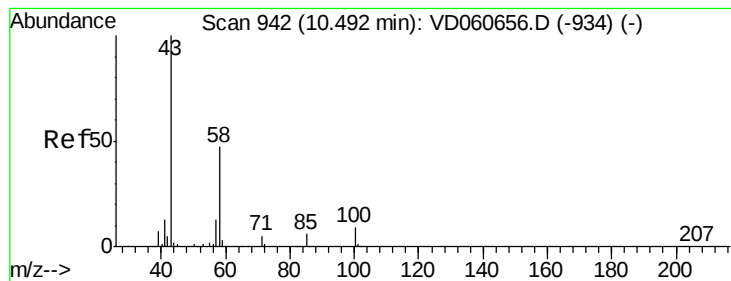
Tgt Ion: 63 Resp: 1050519

Ion Ratio Lower Upper

63 100

106 28.0 22.4 33.6





#59

2-Hexanone

Concen: 235.323 ug/l

RT: 10.50 min Scan# 942

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1108384

Ion Ratio Lower Upper

43 100

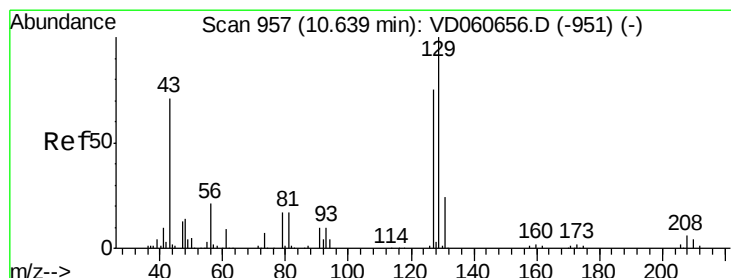
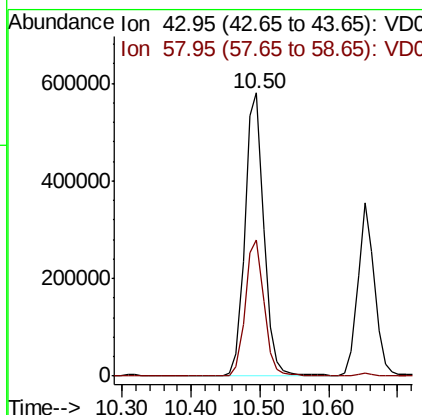
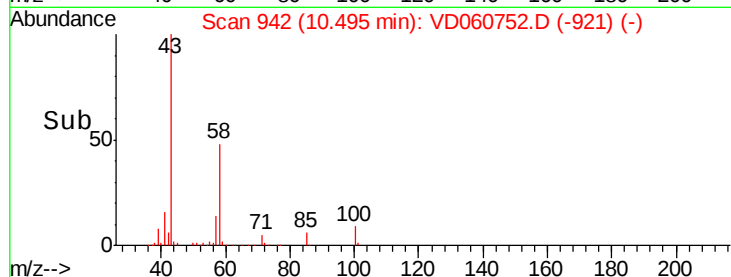
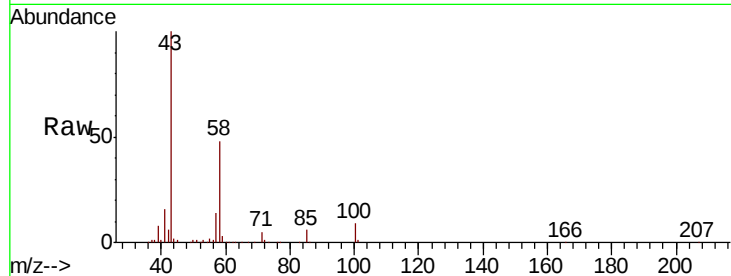
58 48.2 23.5 70.5

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#60

Dibromochloromethane

Concen: 48.737 ug/l

RT: 10.64 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD060752.D

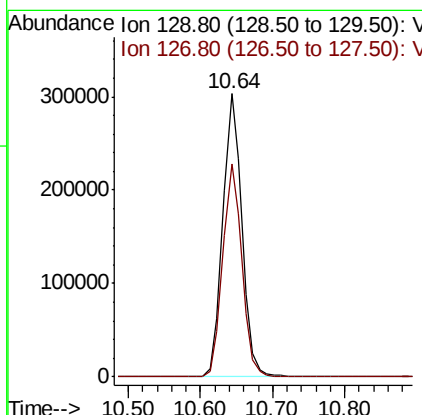
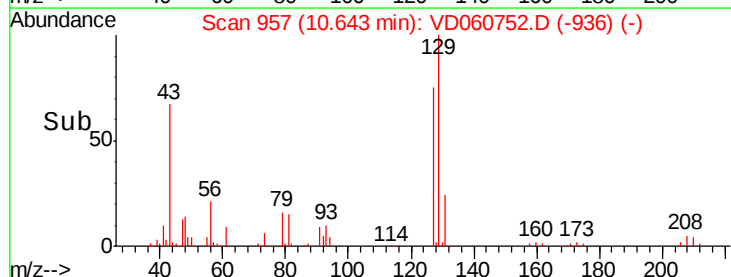
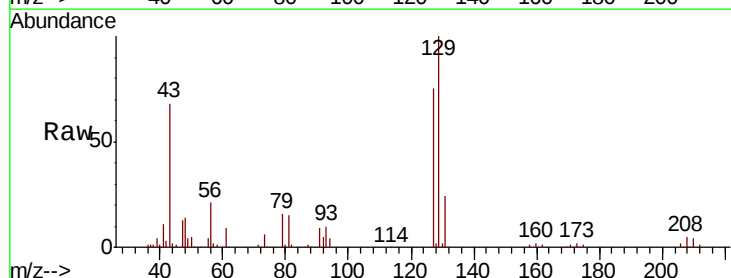
Acq: 28 Dec 2018 17:55

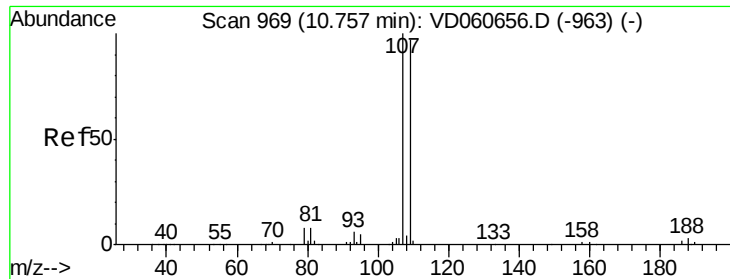
Tgt Ion: 129 Resp: 553497

Ion Ratio Lower Upper

129 100

127 75.4 37.6 112.9





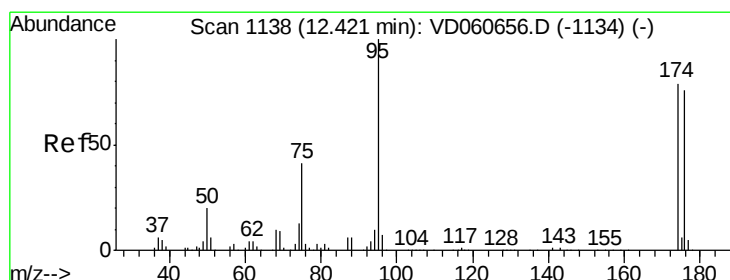
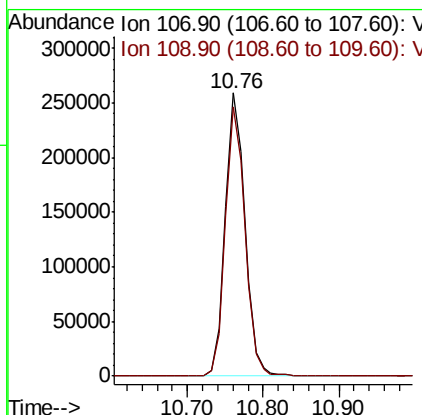
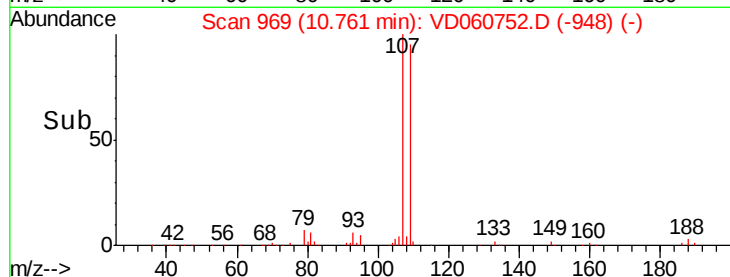
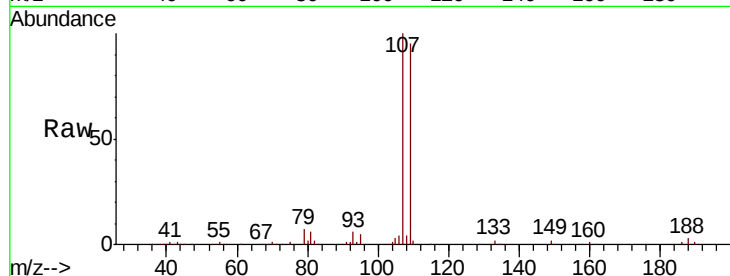
#61
 1,2-Dibromoethane
 Concen: 50.520 ug/l
 RT: 10.76 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 467206
 Ion Ratio Lower Upper
 107 100
 109 95.0 78.0 117.0

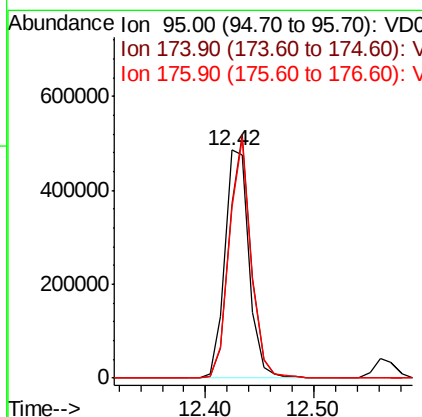
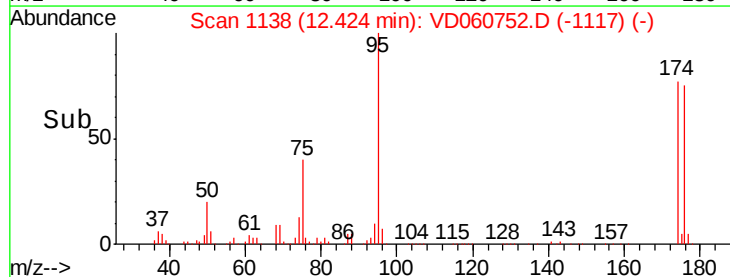
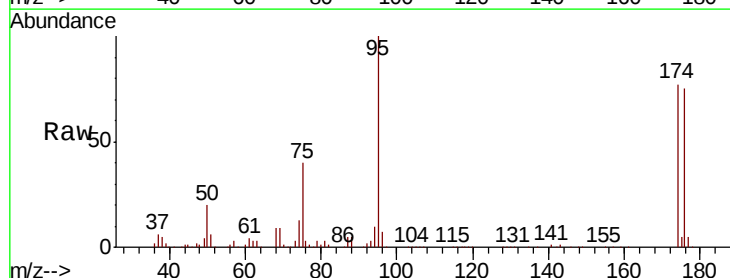
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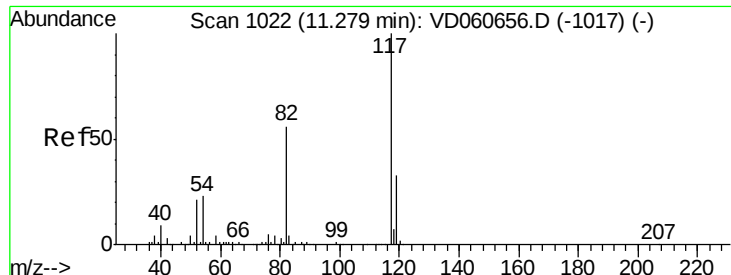
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#62
 4-Bromofluorobenzene
 Concen: 50.520 ug/l
 RT: 12.42 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion: 95 Resp: 757808
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 158.2
 176 74.6 0.0 152.4





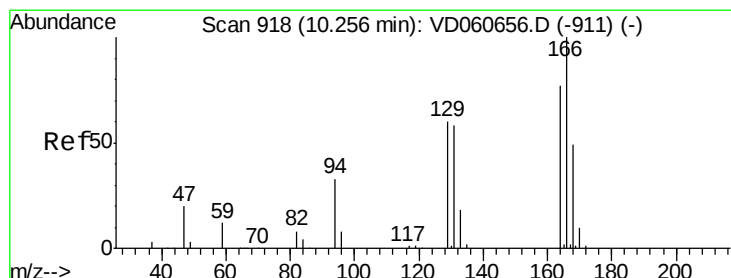
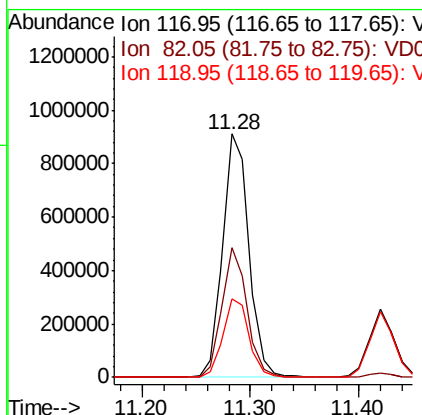
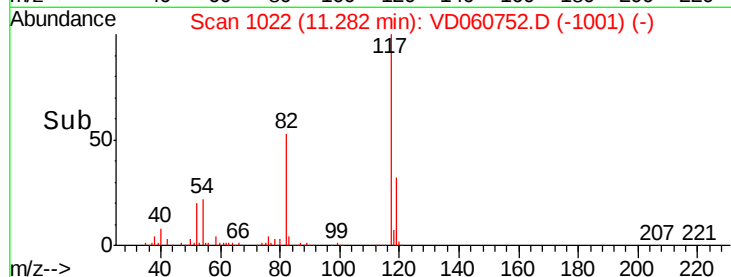
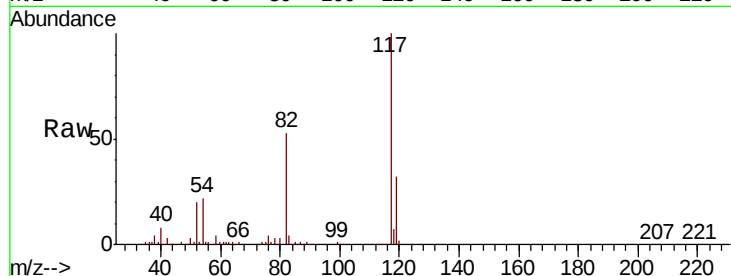
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1534162
Ion Ratio Lower Upper
117 100
82 53.2 44.5 66.7
119 32.4 26.3 39.5

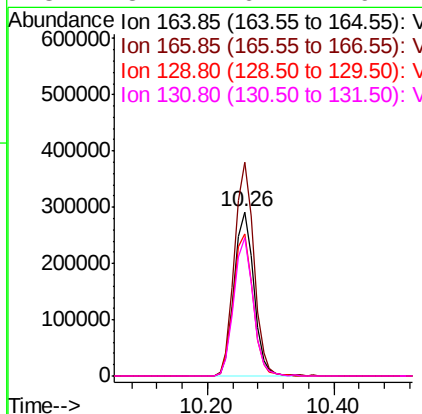
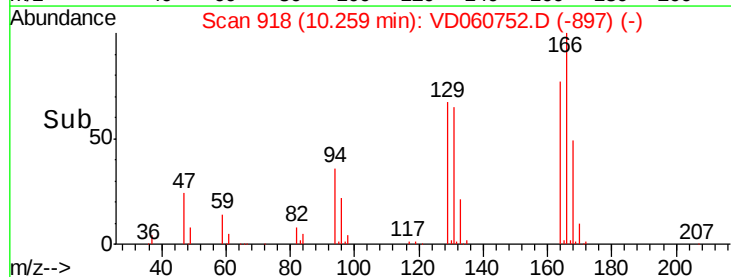
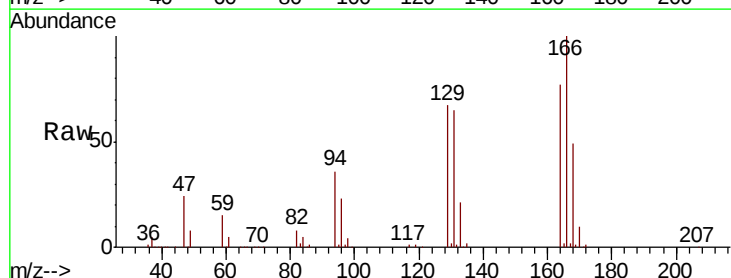
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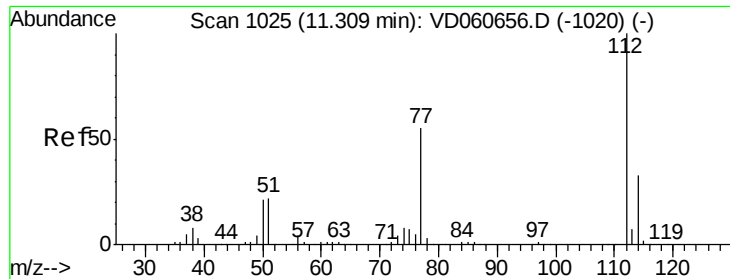
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#64
Tetrachloroethene
Concen: 44.822 ug/l
RT: 10.26 min Scan# 918
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion:164 Resp: 623255
Ion Ratio Lower Upper
164 100
166 130.2 104.4 156.6
129 86.9 62.7 94.1
131 84.2 61.1 91.7





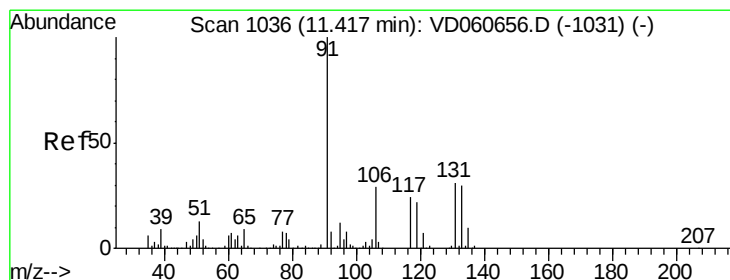
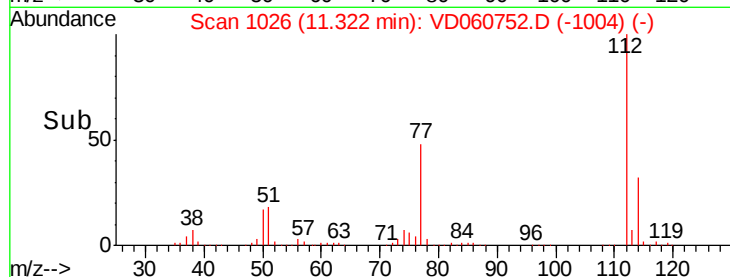
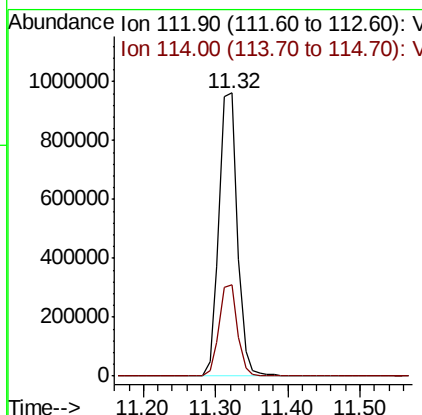
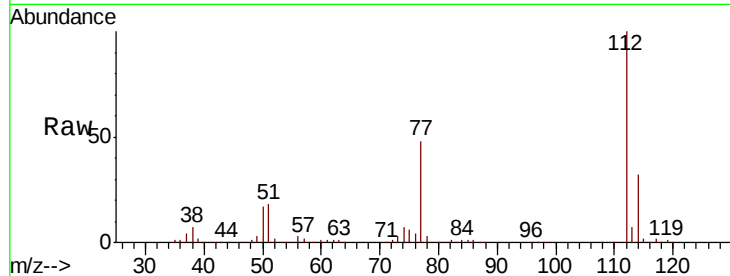
#65
Chlorobenzene
Concen: 49.974 ug/l
RT: 11.32 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1693870
Ion Ratio Lower Upper
112 100
114 32.4 26.1 39.1

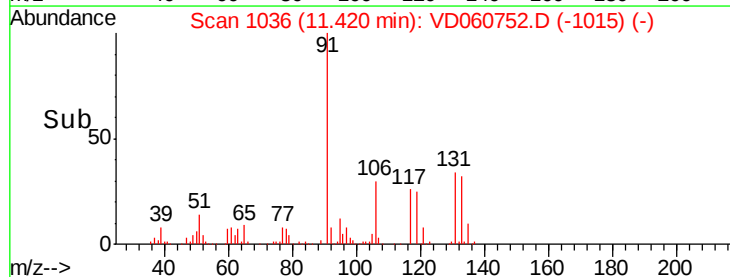
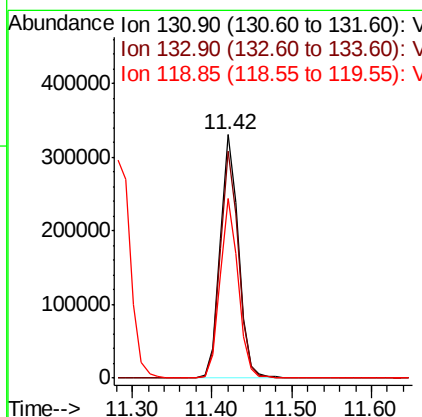
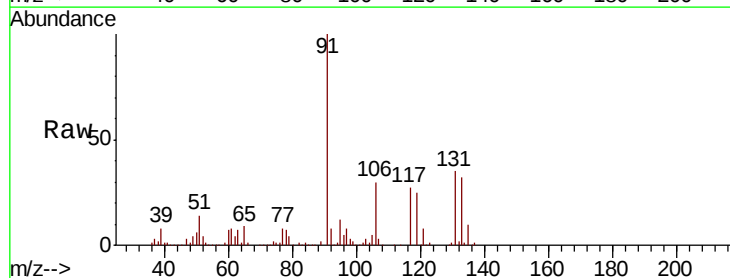
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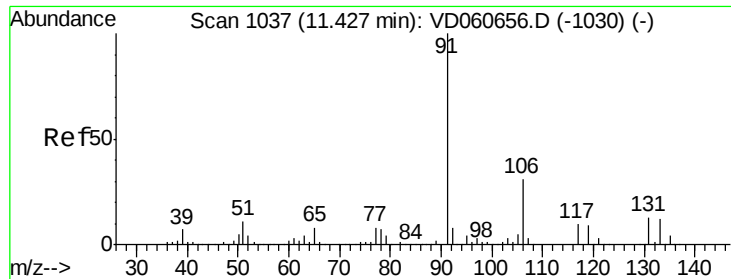
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.337 ug/l
RT: 11.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion:131 Resp: 537685
Ion Ratio Lower Upper
131 100
133 93.3 49.1 147.3
119 73.7 36.6 109.8





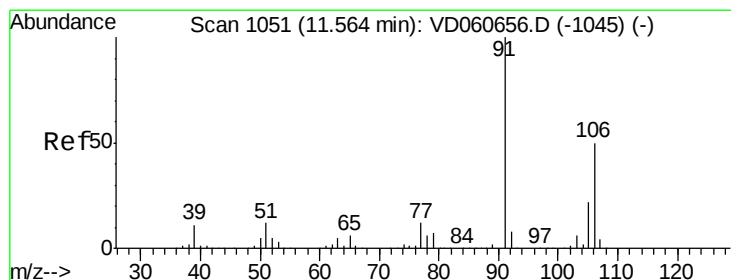
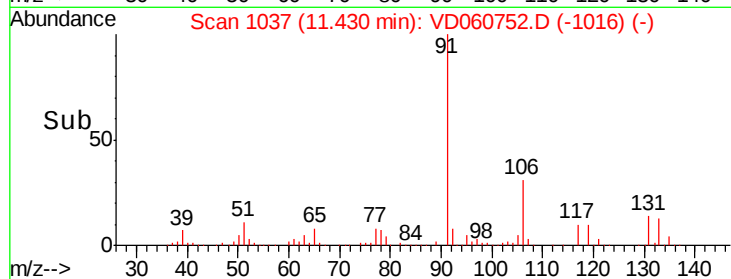
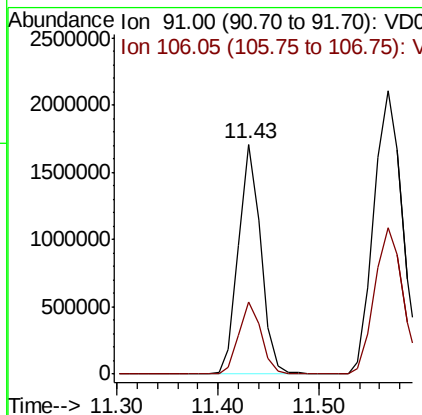
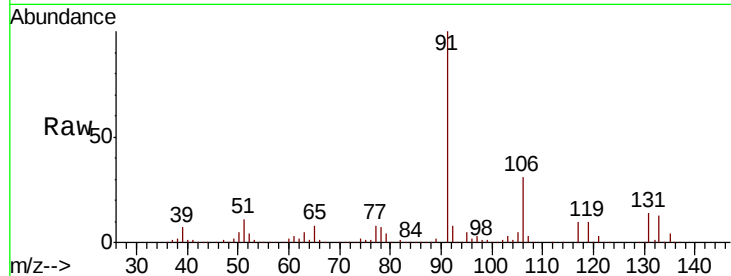
#67
Ethyl Benzene
Concen: 45.455 ug/l
RT: 11.43 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2638614
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

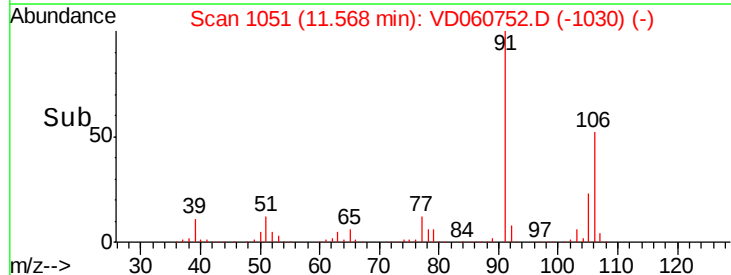
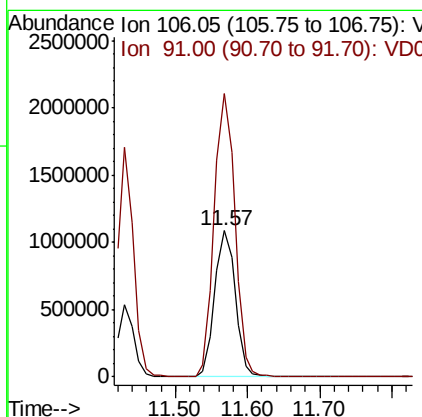
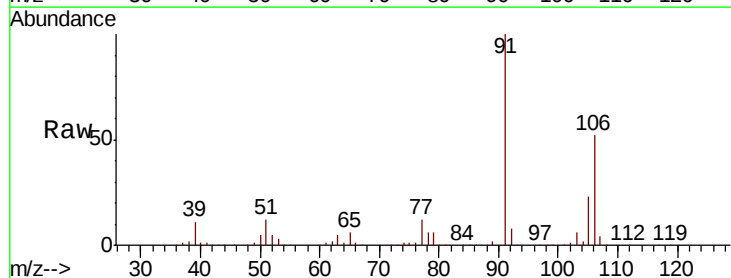
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#68
m/p-Xylenes
Concen: 101.008 ug/l
RT: 11.57 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion: 106 Resp: 2142805
Ion Ratio Lower Upper
106 100
91 193.7 158.9 238.3





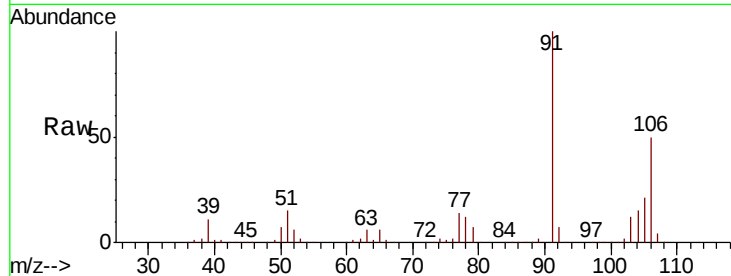
#69
o-Xylene
Concen: 51.774 ug/l
RT: 11.94 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

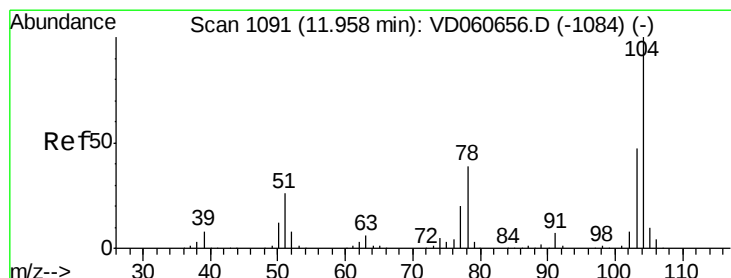
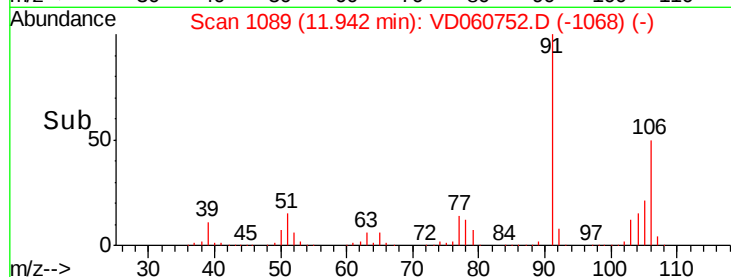
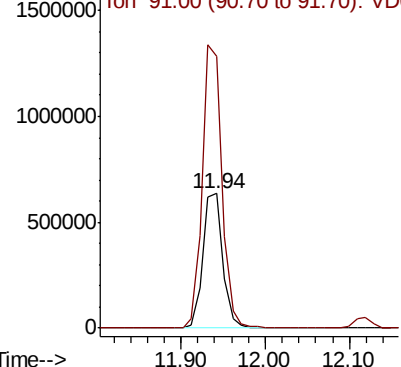
Tot Ion:106 Resp: 1042028
Ion Ratio Lower Upper
106 100
91 201.3 101.5 304.5

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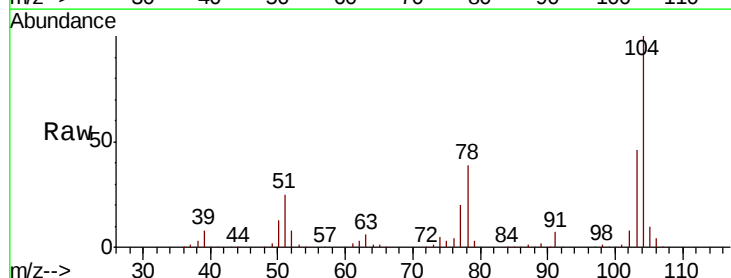


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

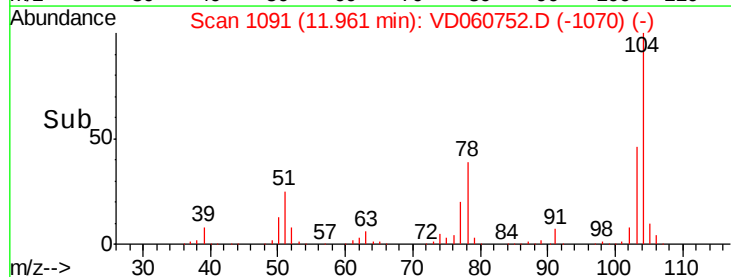
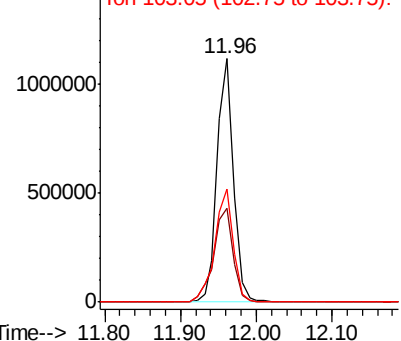


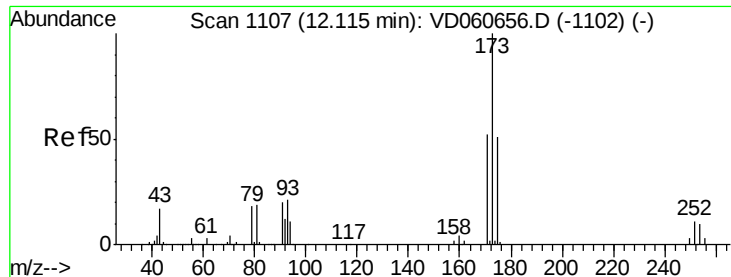
#70
Styrene
Concen: 51.278 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion:104 Resp: 1662189
Ion Ratio Lower Upper
104 100
78 38.6 31.4 47.2
103 46.4 37.5 56.3



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





#71

Bromoform

Concen: 50.105 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 360452

Ion Ratio Lower Upper

173 100

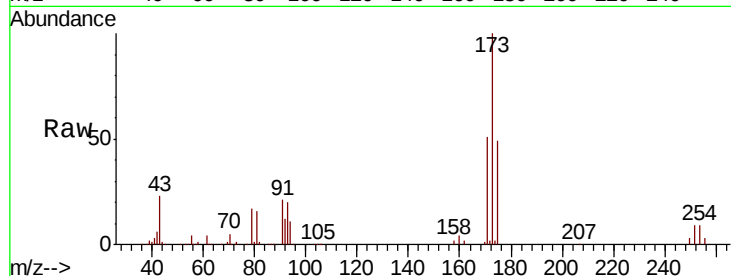
175 48.7 25.5 76.5

254 8.8 7.9 11.9

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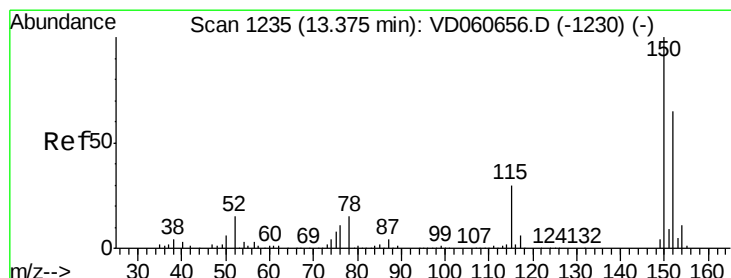
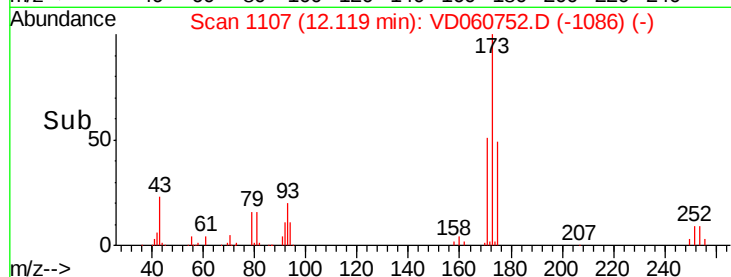
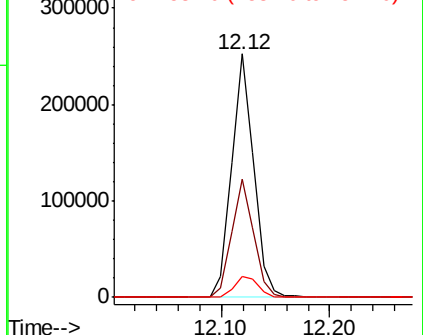
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Abundance Ion 172.80 (172.50 to 173.50): V

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: 13.38 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

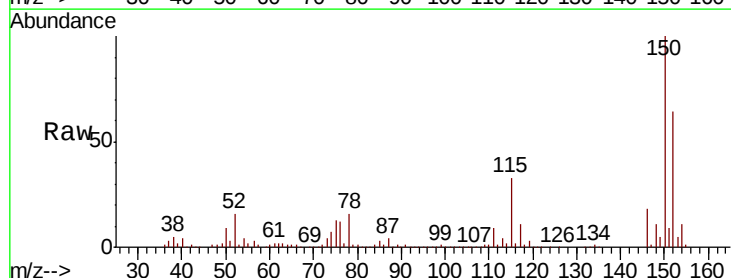
Tgt Ion:152 Resp: 742489

Ion Ratio Lower Upper

152 100

115 51.3 24.1 72.3

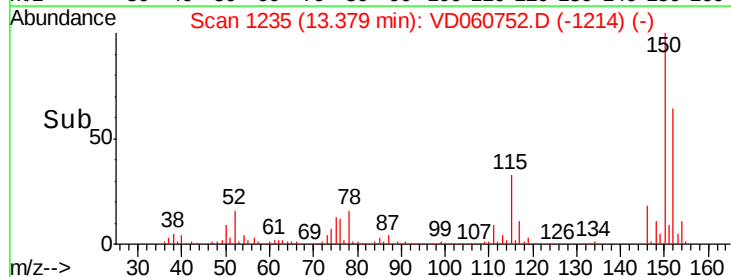
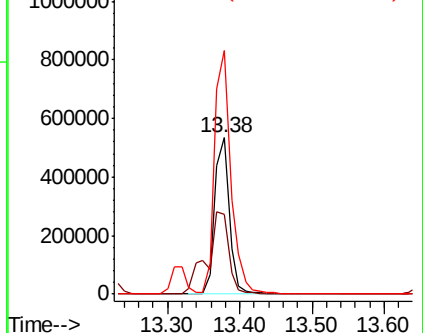
150 155.6 0.0 315.0

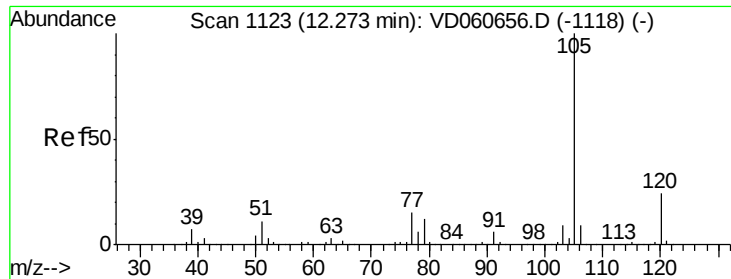


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.938 ug/l

RT: 12.28 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2851378

Ion Ratio Lower Upper

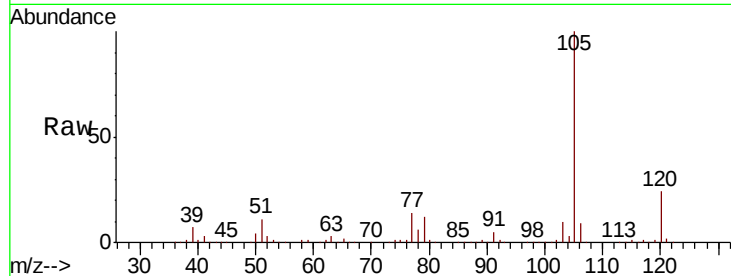
105 100

120 24.2 12.2 36.4

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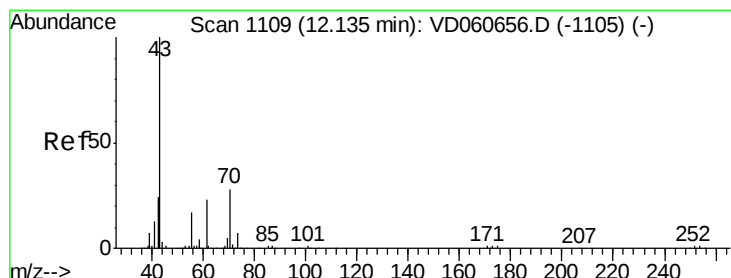
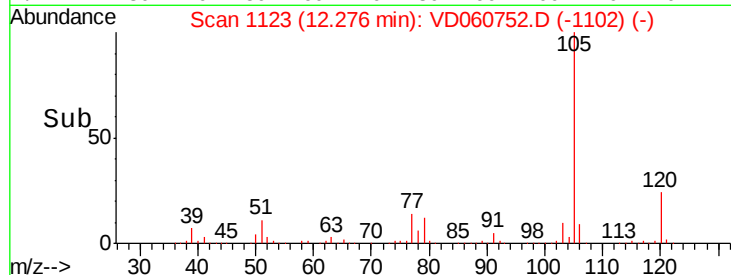
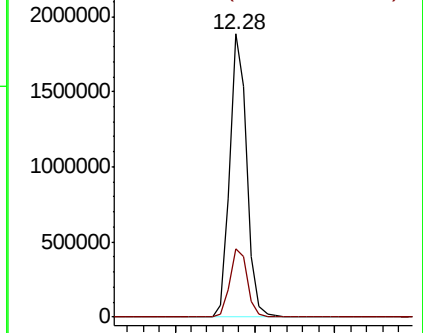
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 55.696 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Tgt Ion: 43 Resp: 694898

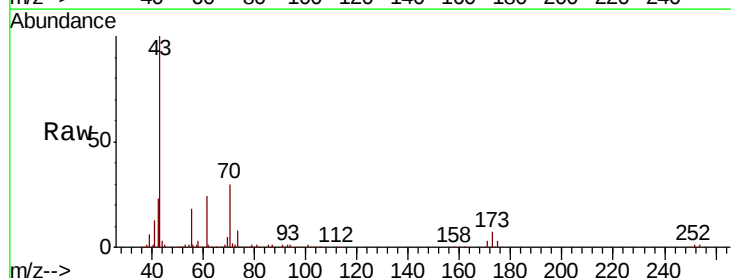
Ion Ratio Lower Upper

43 100

70 29.9 22.2 33.2

55 18.1 13.8 20.8

61 23.9 18.2 27.2

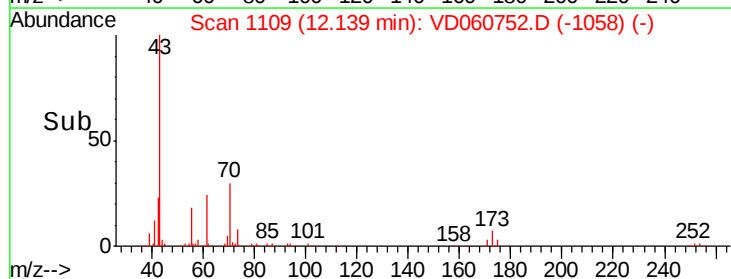
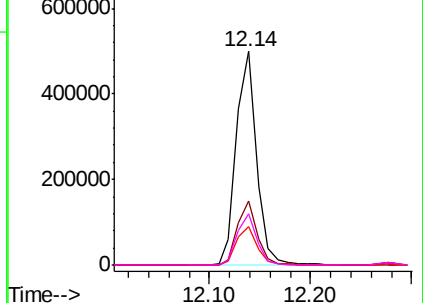


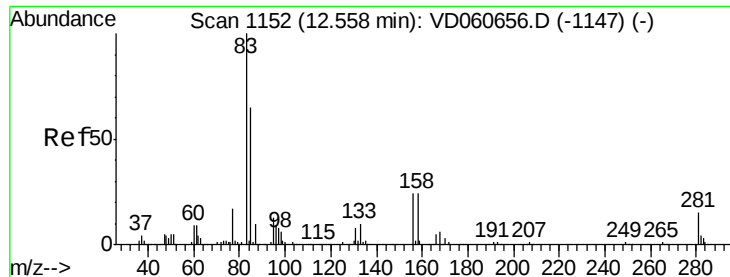
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.688 ug/l

RT: 12.56 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 434330

Ion Ratio Lower Upper

83 100

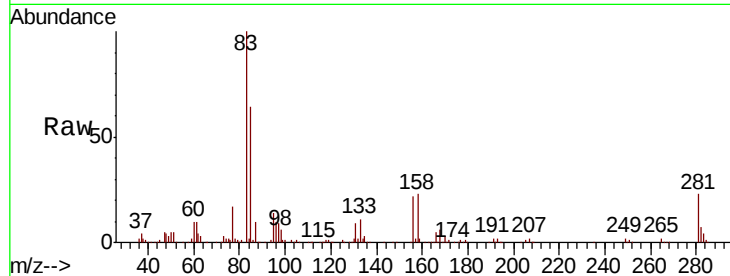
131 8.7 4.2 12.4

85 64.0 32.6 97.7

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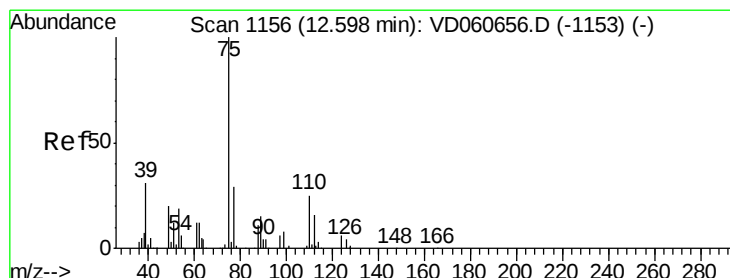
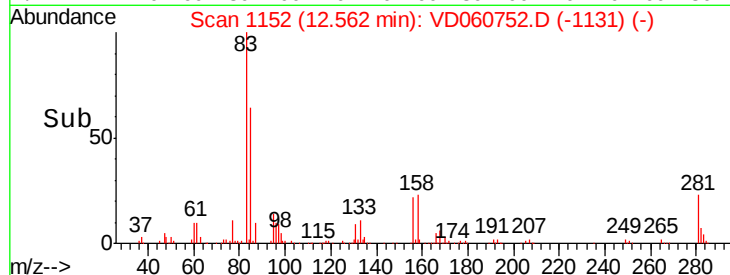
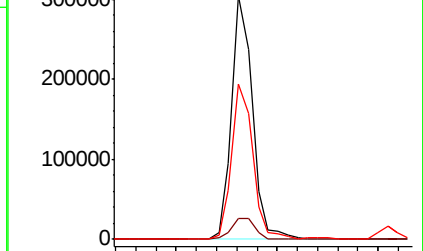
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.942 ug/l

RT: 12.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD060752.D

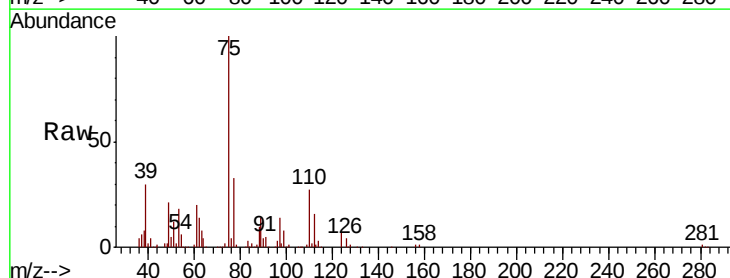
Acq: 28 Dec 2018 17:55

Tgt Ion: 75 Resp: 447526

Ion Ratio Lower Upper

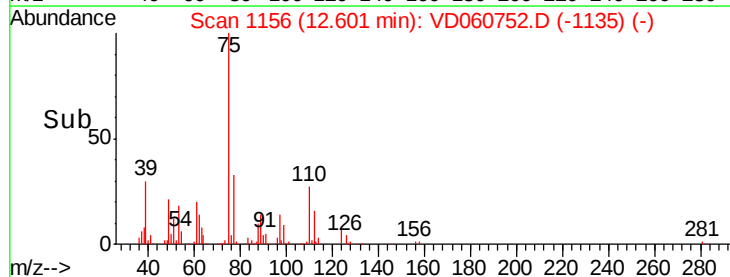
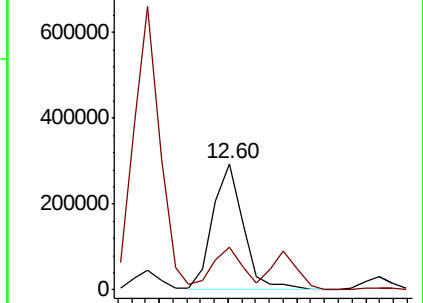
75 100

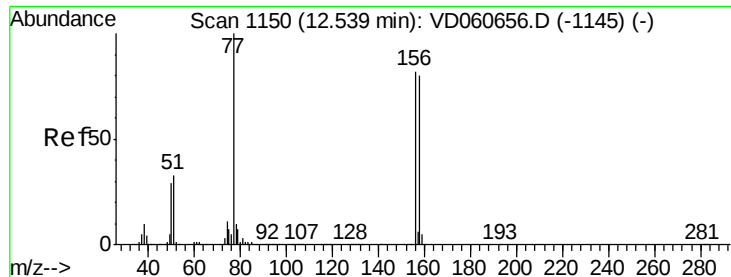
77 33.4 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





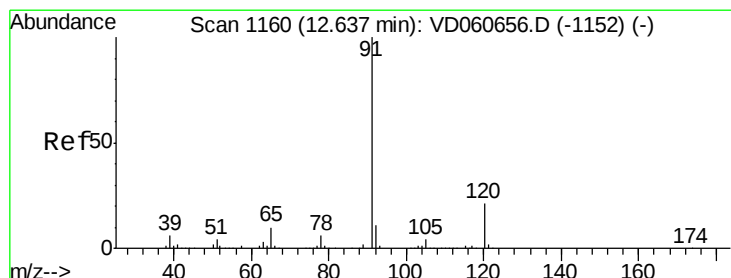
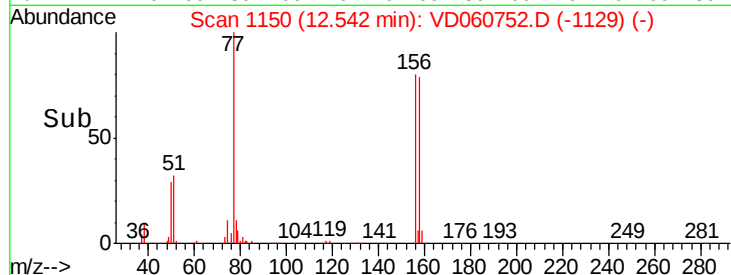
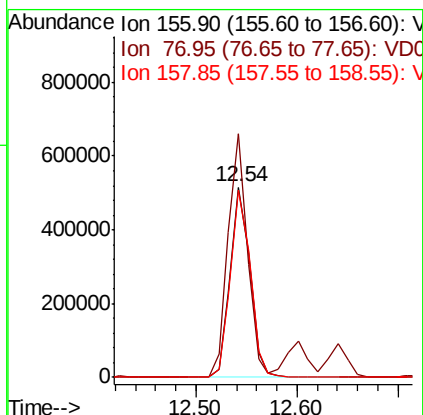
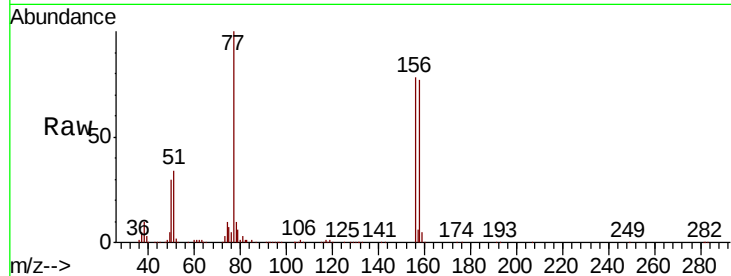
#77
Bromobenzene
Concen: 50.410 ug/l
RT: 12.54 min Scan# 1150
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	128.1	61.3	183.9
158	98.2	48.9	146.6

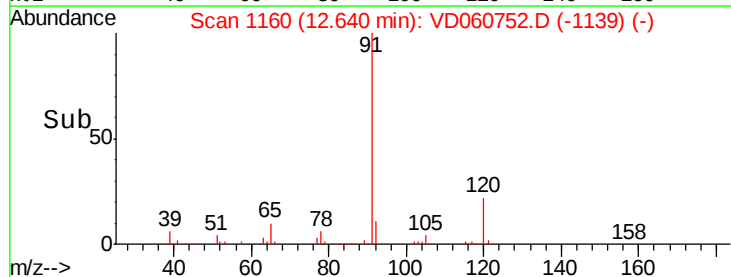
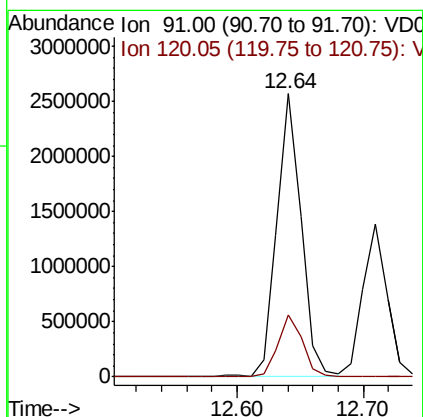
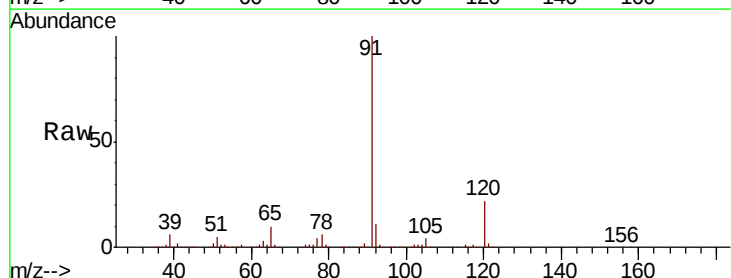
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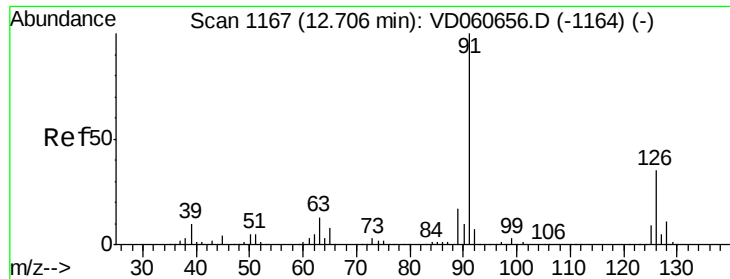
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#78
n-propylbenzene
Concen: 51.181 ug/l
RT: 12.64 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.4	31.2





#79

2-Chlorotoluene

Concen: 51.519 ug/l

RT: 12.71 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1864891

Ion Ratio Lower Upper

91 100

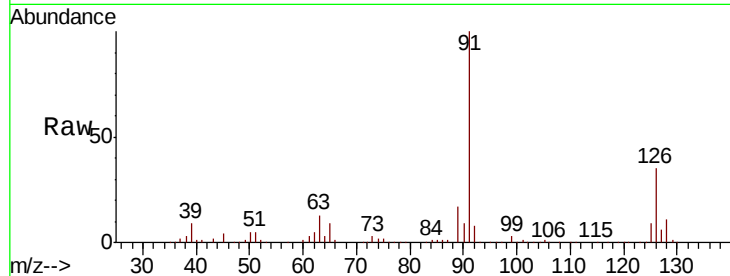
126 35.2 17.2 51.5

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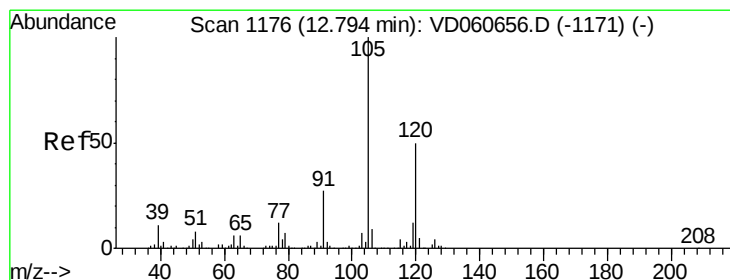
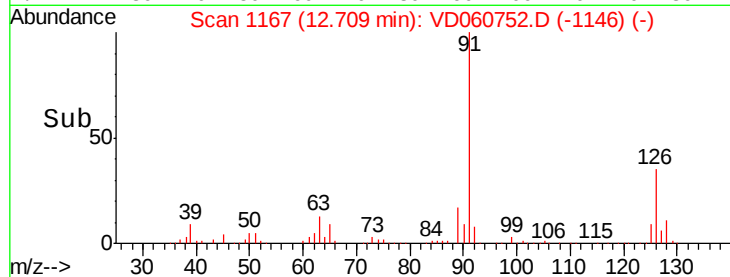
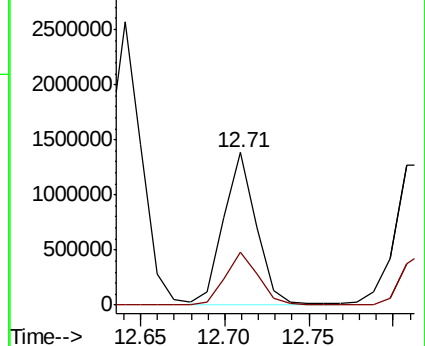
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.219 ug/l

RT: 12.80 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060752.D

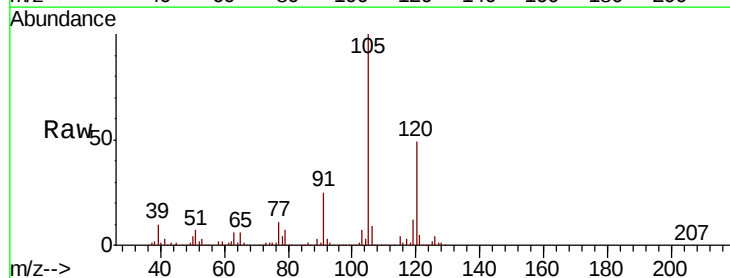
Acq: 28 Dec 2018 17:55

Tgt Ion:105 Resp: 2213290

Ion Ratio Lower Upper

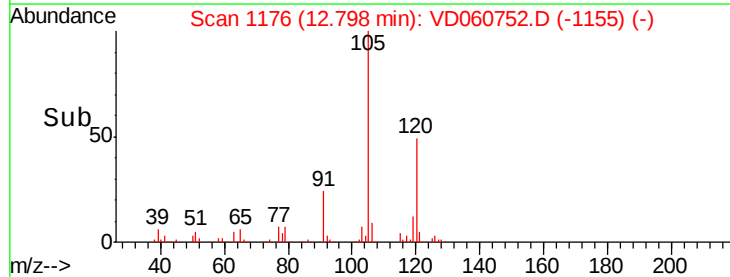
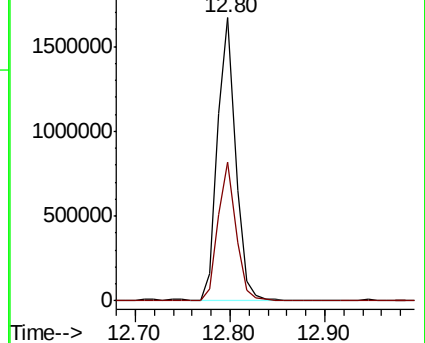
105 100

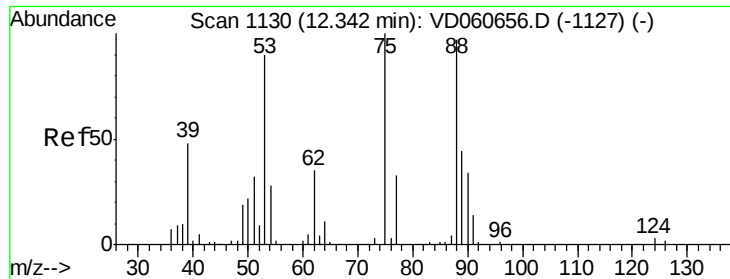
120 49.0 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





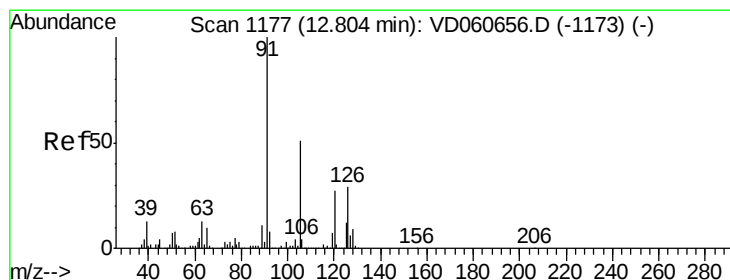
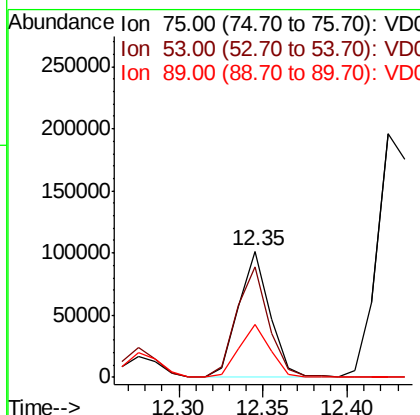
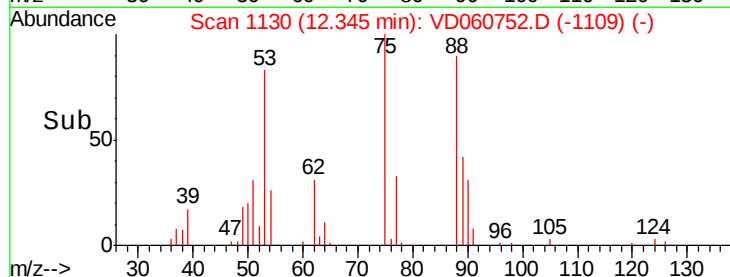
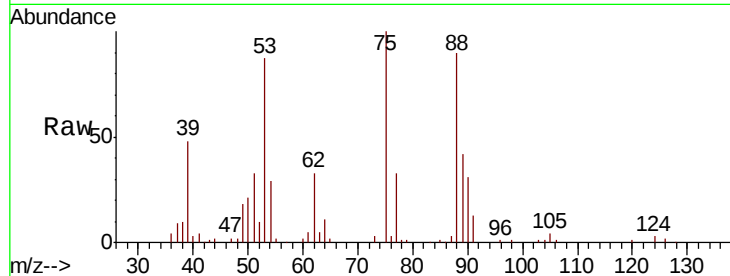
#81
trans-1,4-Dichloro-2-butene
Concen: 55.944 ug/l
RT: 12.35 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.2	72.1	108.1
89	41.7	35.1	52.7

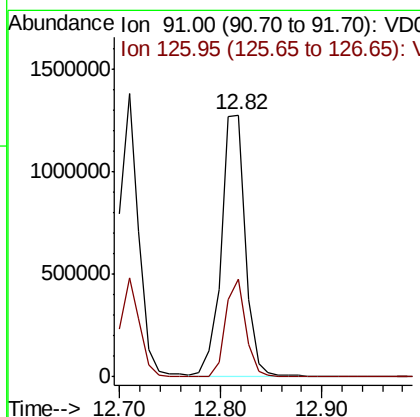
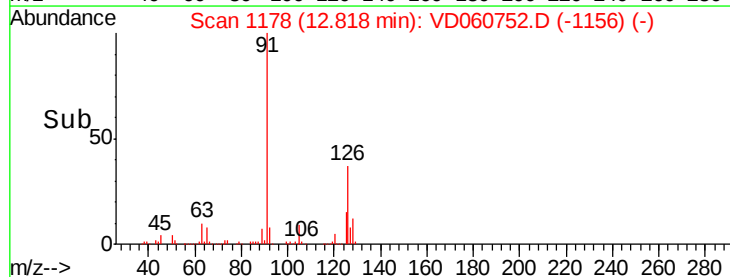
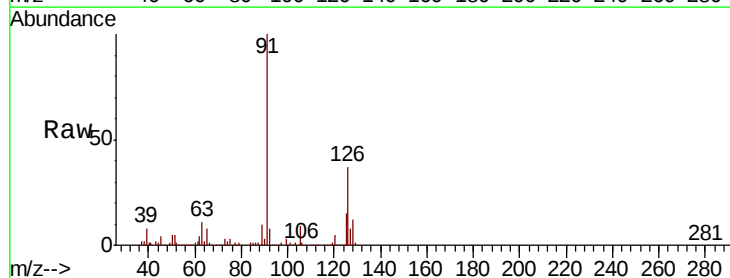
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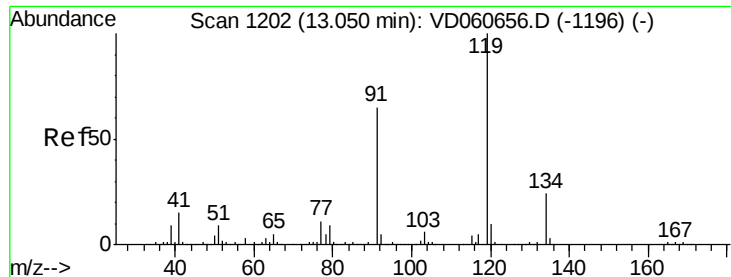
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#82
4-Chlorotoluene
Concen: 51.454 ug/l
RT: 12.82 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.1	14.6	43.8





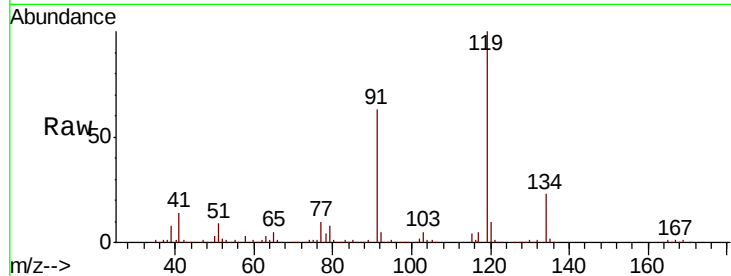
#83
tert-Butylbenzene
Concen: 53.299 ug/l
RT: 13.05 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

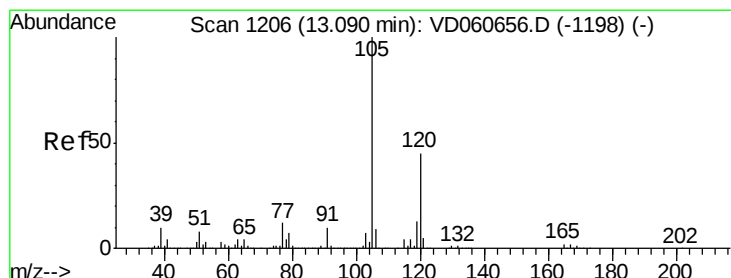
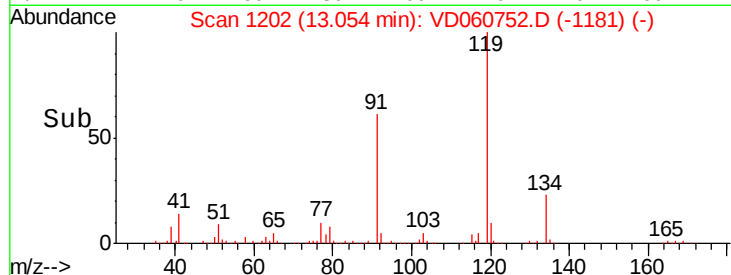
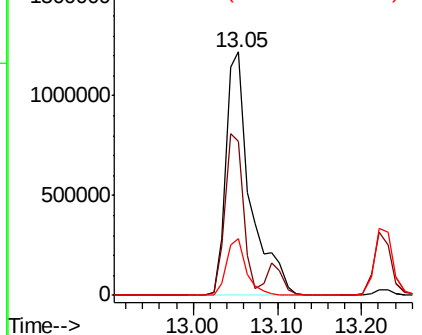
Tot Ion:119 Resp: 2476119
Ion Ratio Lower Upper
119 100
91 63.0 32.5 97.4
134 23.5 11.9 35.9

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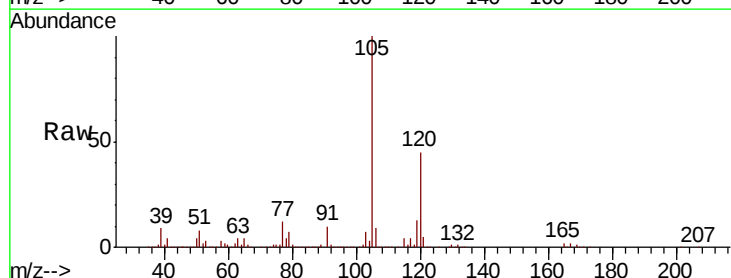


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

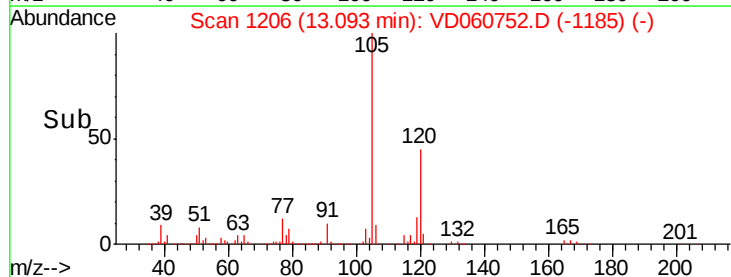
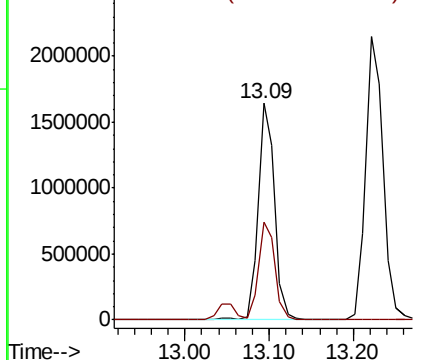


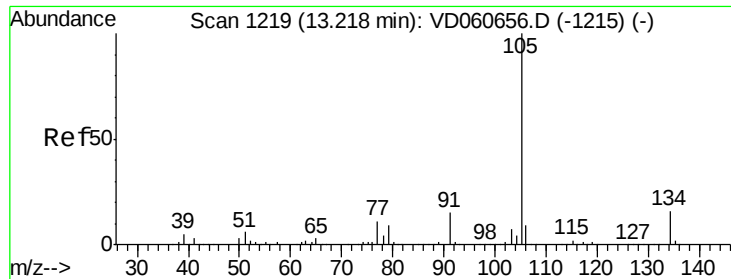
#84
1,2,4-Trimethylbenzene
Concen: 53.657 ug/l
RT: 13.09 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion:105 Resp: 2255906
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.0



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





#85

sec-Butylbenzene

Concen: 54.492 ug/l

RT: 13.22 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 3087292

Ion Ratio Lower Upper

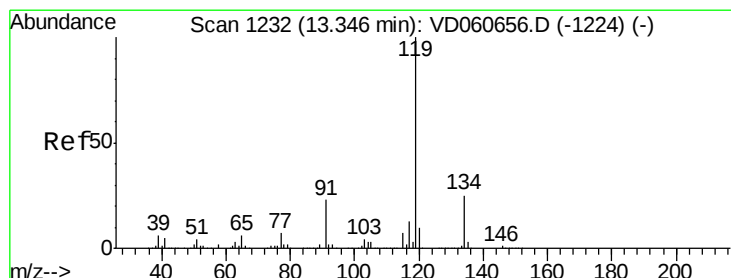
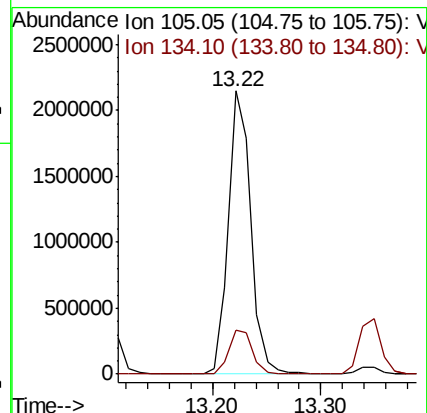
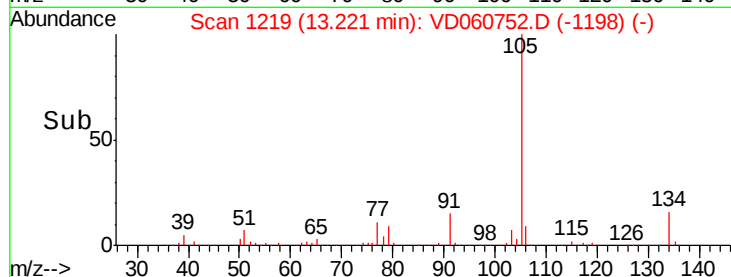
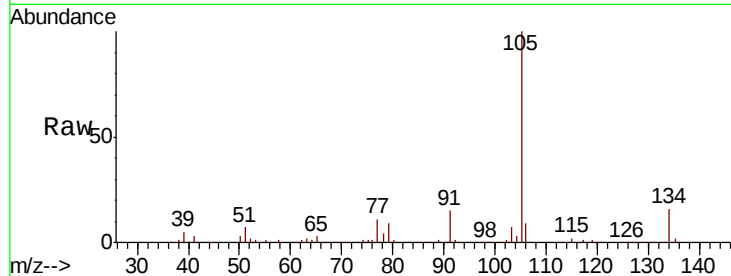
105 100

134 15.8 8.2 24.4

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#86

p-Isopropyltoluene

Concen: 54.502 ug/l

RT: 13.35 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060752.D

Acq: 28 Dec 2018 17:55

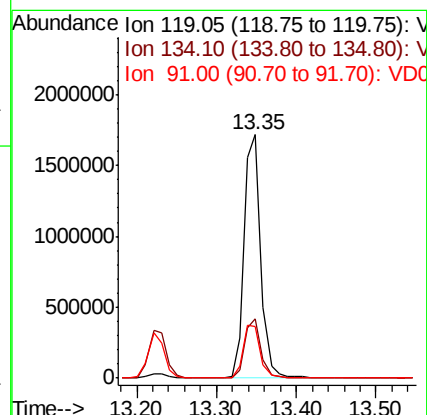
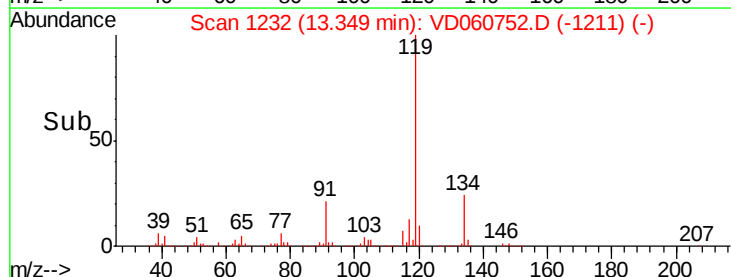
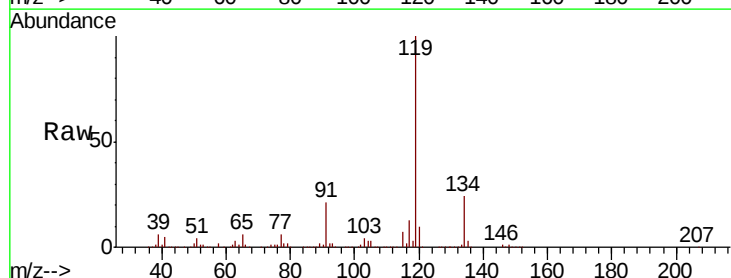
Tgt Ion:119 Resp: 2492565

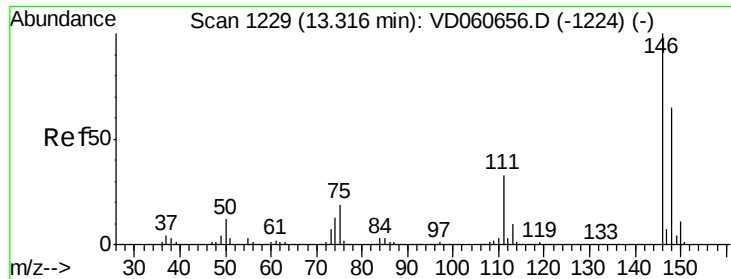
Ion Ratio Lower Upper

119 100

134 24.4 12.5 37.5

91 21.3 11.4 34.2





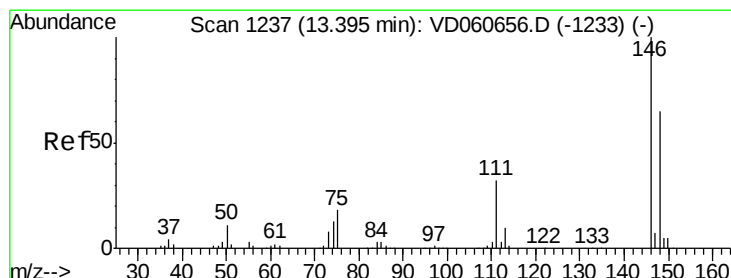
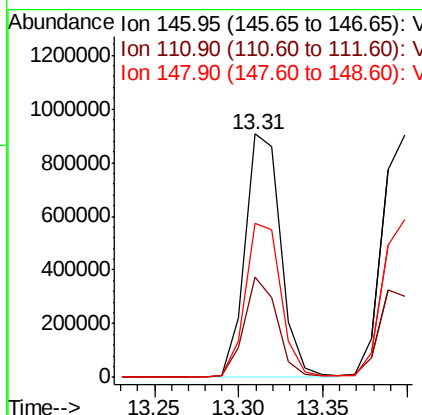
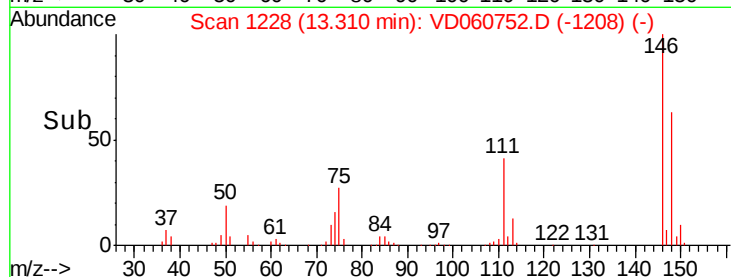
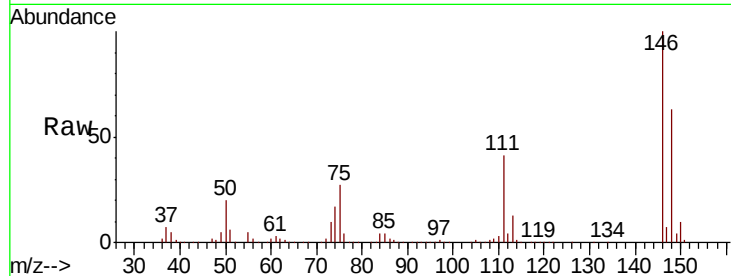
#87
 1,3-Dichlorobenzene
 Concen: 51.989 ug/l
 RT: 13.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	16.6	49.8
148	63.4	32.6	97.8

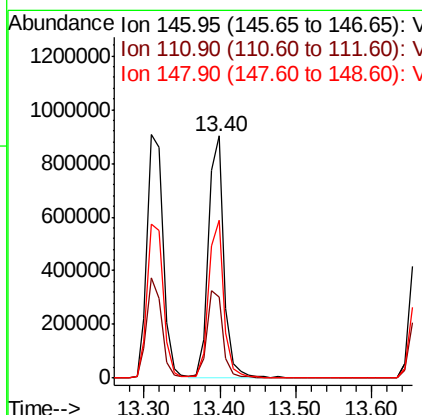
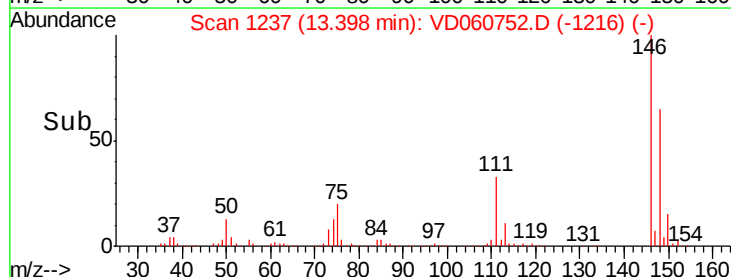
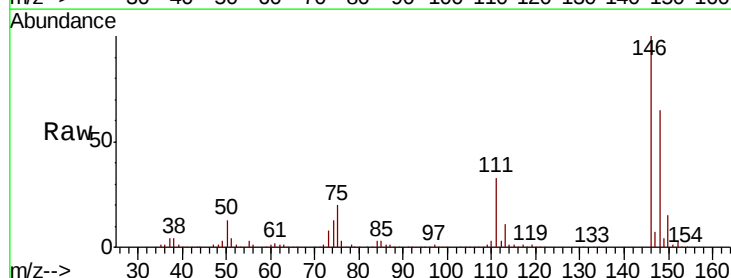
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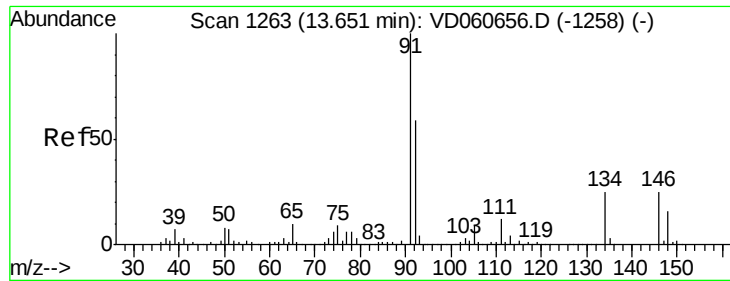
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#88
 1,4-Dichlorobenzene
 Concen: 51.477 ug/l
 RT: 13.40 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.3	16.2	48.5
148	65.0	32.7	98.1





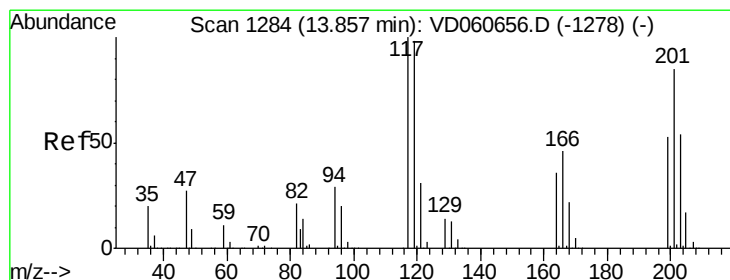
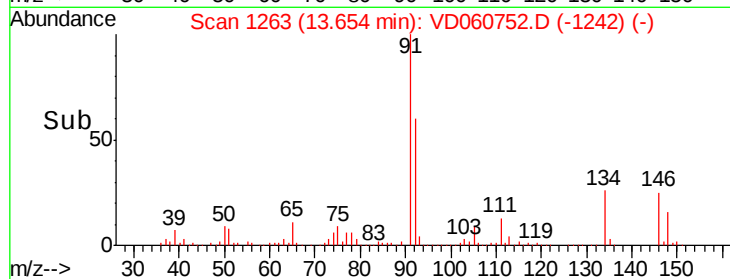
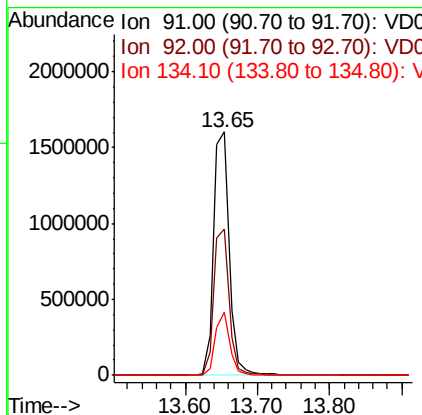
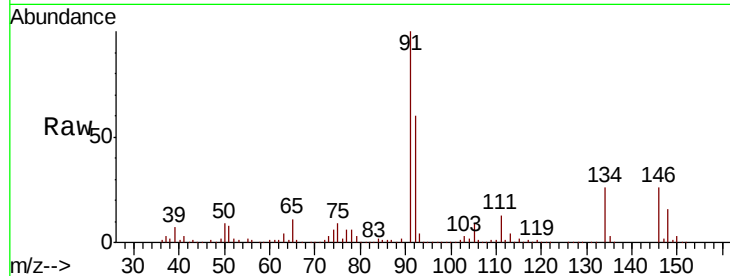
#89
n-Butylbenzene
Concen: 50.688 ug/l
RT: 13.65 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2368890
Ion Ratio Lower Upper
91 100
92 59.9 29.7 89.1
134 25.9 12.7 38.1

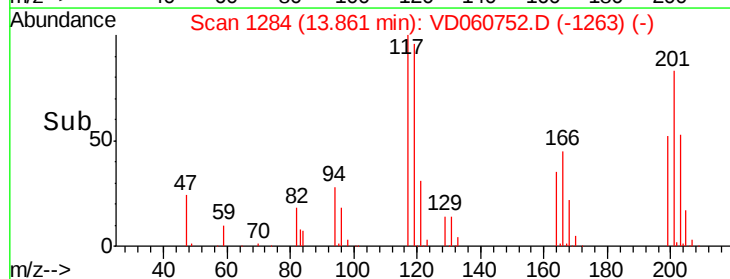
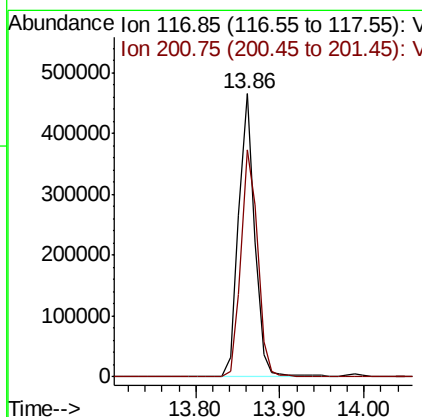
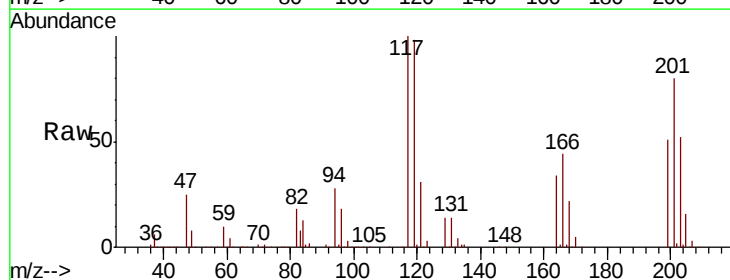
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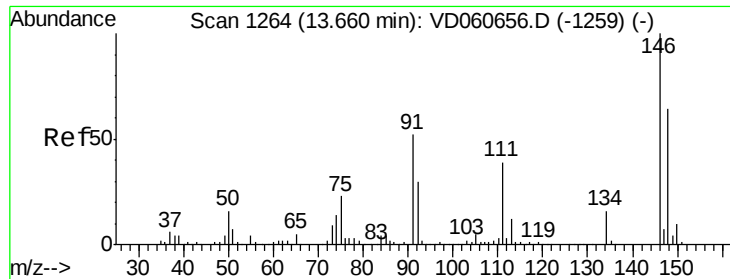
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#90
Hexachloroethane
Concen: 55.244 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion: 117 Resp: 620678
Ion Ratio Lower Upper
117 100
201 80.3 42.6 127.8





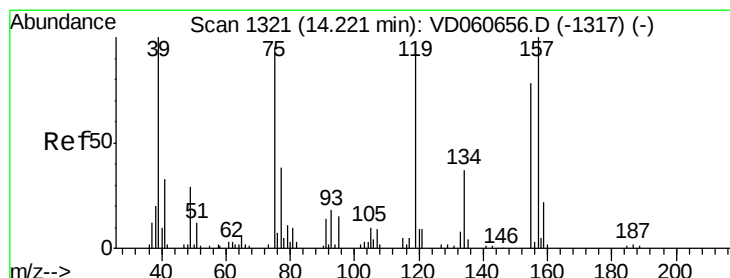
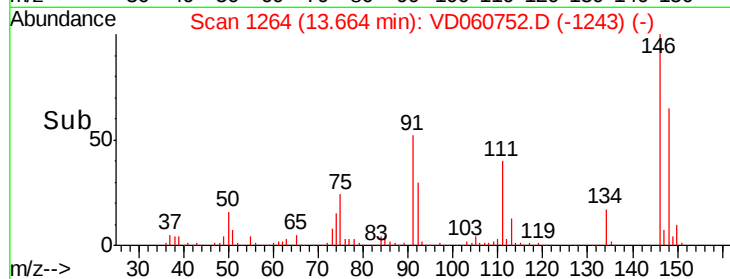
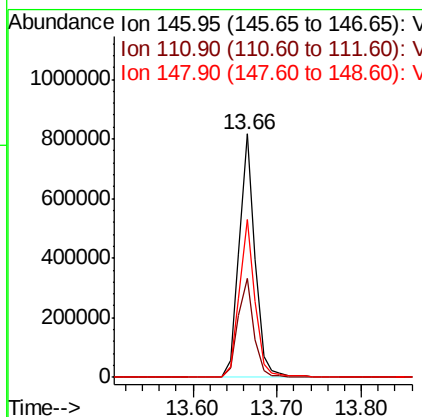
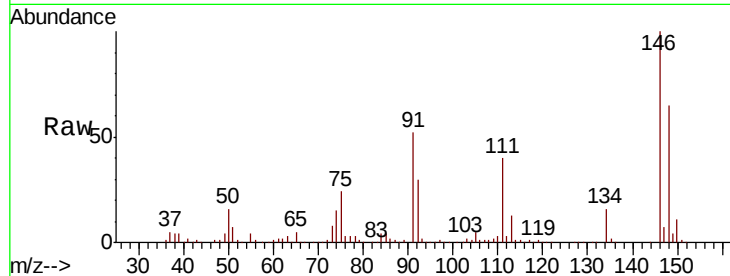
#91
 1,2-Dichlorobenzene
 Concen: 51.883 ug/l
 RT: 13.66 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1066307
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.3 57.9
 148 65.0 31.9 95.9

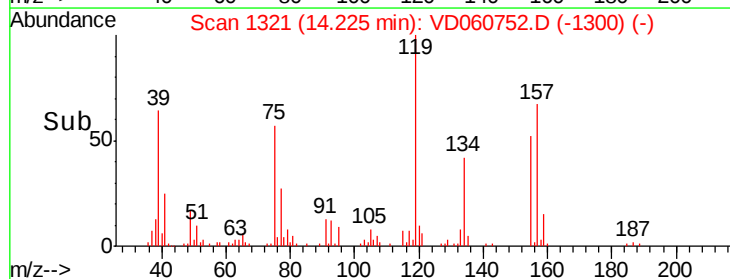
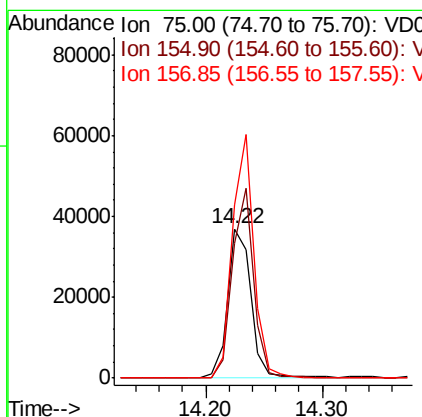
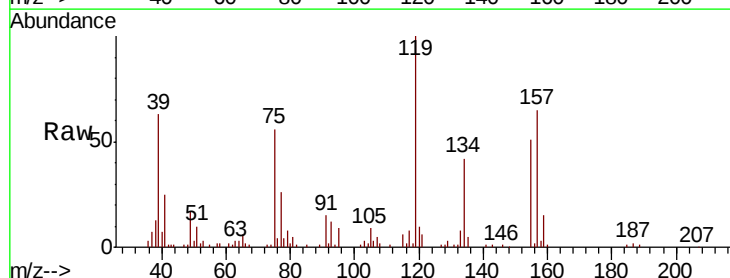
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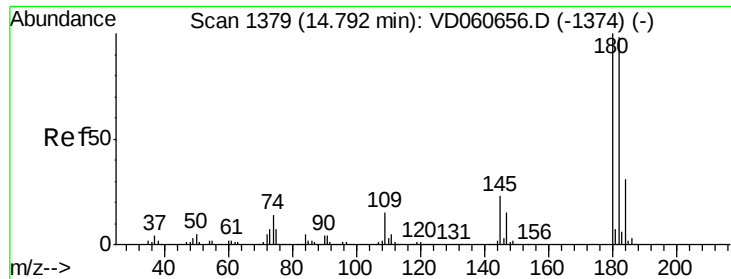
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.995 ug/l
 RT: 14.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion: 75 Resp: 51334
 Ion Ratio Lower Upper
 75 100
 155 90.8 41.1 123.4
 157 116.1 52.5 157.6





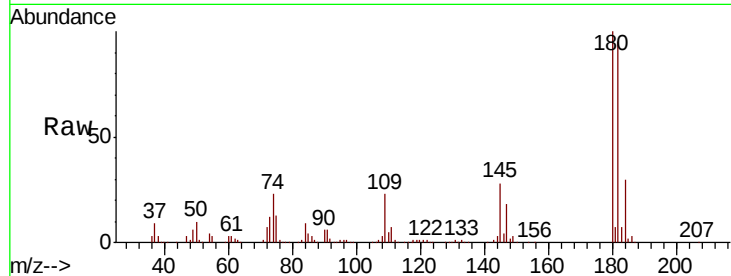
#93
 1,2,4-Trichlorobenzene
 Concen: 51.998 ug/l
 RT: 14.79 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	850369		
182	94.9	48.8	146.4	
145	27.8	11.8	35.3	

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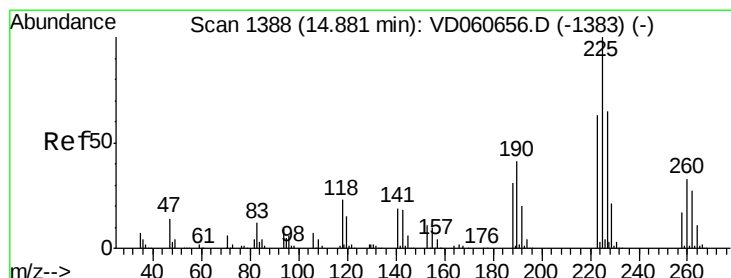
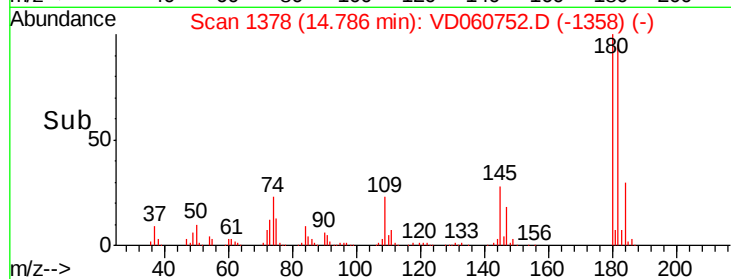
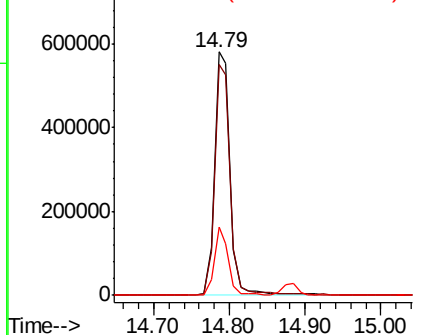


Abundance

Ion 179.85 (179.55 to 180.55): V

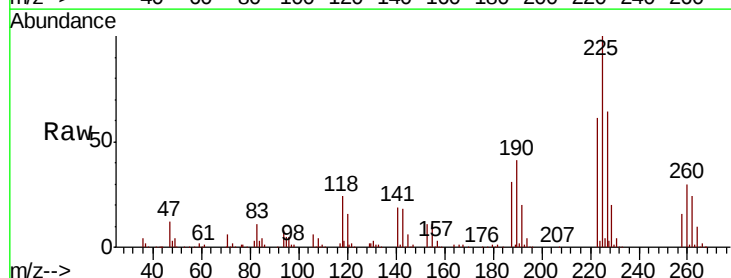
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 50.823 ug/l
 RT: 14.88 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD060752.D
 Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	614349		
223	61.4	31.3	93.8	
227	64.2	32.5	97.4	

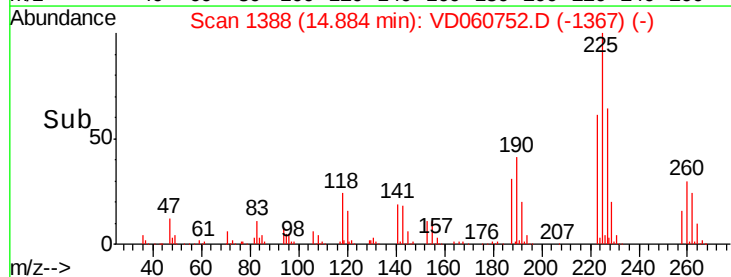
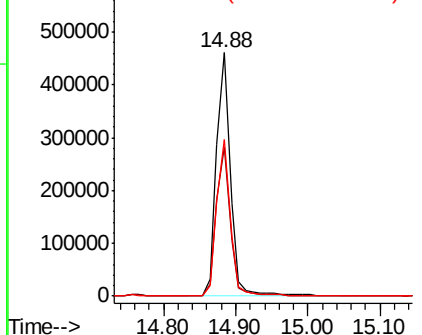


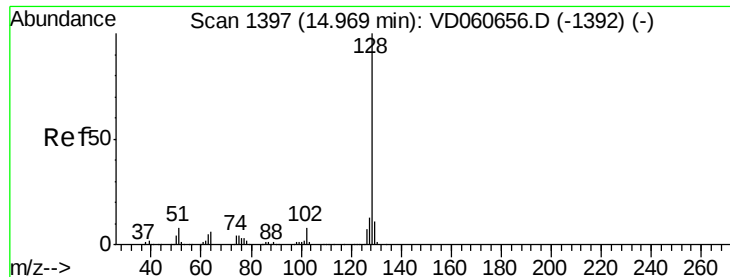
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





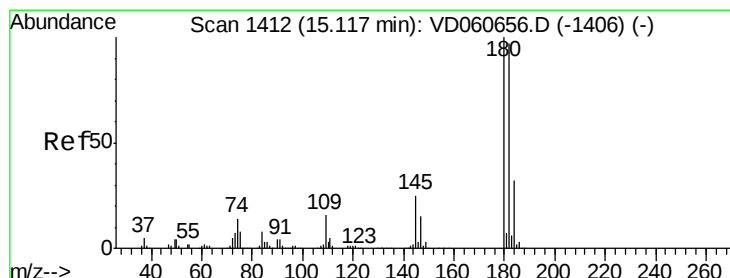
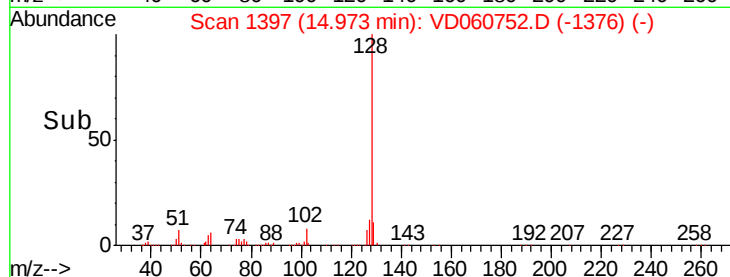
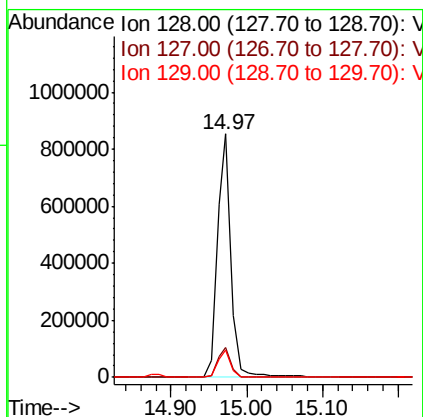
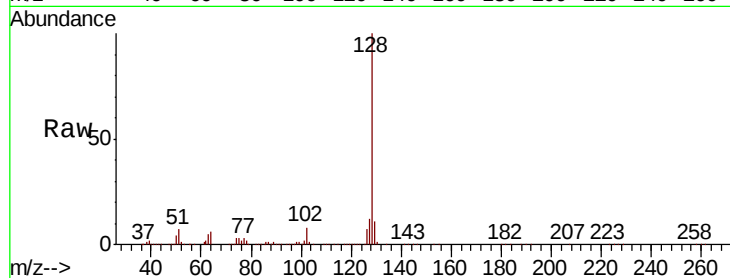
#95
Naphthalene
Concen: 56.197 ug/l
RT: 14.97 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	11.0	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 55.242 ug/l
RT: 15.12 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD060752.D
Acq: 28 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.6	145.9
145	25.0	12.6	37.8

