

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062080.D
 Acq On : 30 Apr 2019 00:22
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 9:27:56 AM

Quant Time: Apr 30 01:29:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	491010	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	782171	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	694307	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	303458	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	214378	55.79	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.58%	
35) Dibromofluoromethane	6.90	113	314972	58.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	116.46%	
50) Toluene-d8	10.39	98	755661	58.71	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	117.42%	
62) 4-Bromofluorobenzene	13.55	95	321287	62.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	124.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	211564	48.254	ug/l	96
3) Chloromethane	1.75	50	163651	43.917	ug/l	98
4) Vinyl Chloride	1.84	62	159431	47.204	ug/l	100
5) Bromomethane	2.15	94	55753	67.746	ug/l	99
6) Chloroethane	2.26	64	69498	56.924	ug/l	95
7) Trichlorofluoromethane	2.52	101	271572	53.179	ug/l	99
8) Diethyl Ether	2.86	74	77969	56.967	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	227931	48.452	ug/l	99
10) Methyl Iodide	3.29	142	344210	48.242	ug/l	96
11) Tert butyl alcohol	4.04	59	61861	284.907	ug/l	98
12) 1,1-Dichloroethene	3.11	96	184002	45.974	ug/l	96
13) Acrolein	3.03	56	41758	185.358	ug/l	96
14) Allyl chloride	3.61	41	269014	49.224	ug/l	95
15) Acrylonitrile	4.17	53	183082	272.304	ug/l	95
16) Acetone	3.20	43	243826	265.729	ug/l	96
17) Carbon Disulfide	3.37	76	500003	43.233	ug/l	97
18) Methyl Acetate	3.63	43	95048	57.439	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	427865	53.881	ug/l	96
20) Methylene Chloride	3.80	84	213781	47.712	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	214092	46.630	ug/l	99
22) Diisopropyl ether	5.09	45	605476	47.453	ug/l	95
23) Vinyl Acetate	5.02	43	1734157	260.984	ug/l	99
24) 1,1-Dichloroethane	4.96	63	384147	49.812	ug/l	99
25) 2-Butanone	6.05	43	283521	254.852	ug/l	99
26) 2,2-Dichloropropane	6.00	77	311715	46.332	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	250403	47.941	ug/l	99
28) Bromochloromethane	6.41	49	158912	53.854	ug/l	93
29) Tetrahydrofuran	6.43	42	145279	265.034	ug/l	100
30) Chloroform	6.64	83	457176	52.193	ug/l	100
31) Cyclohexane	6.93	56	252937	44.187	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	397538	52.161	ug/l	98
36) 1,1-Dichloropropene	7.13	75	285625	46.870	ug/l	99
37) Ethyl Acetate	6.16	43	127789	49.209	ug/l #	93
38) Carbon Tetrachloride	7.09	117	379176m	49.103	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	294626	49.003	ug/l	100
40) Benzene	7.44	78	683387	45.298	ug/l	98
41) Methacrylonitrile	6.42	41	169978	56.099	ug/l	95
42) 1,2-Dichloroethane	7.56	62	274724	53.631	ug/l	98
43) Isopropyl Acetate	9.22	43	234212	61.727	ug/l	99
44) Trichloroethene	8.52	130	315248	53.899	ug/l	97
45) 1,2-Dichloropropane	8.91	63	202954	53.028	ug/l	98
46) Dibromomethane	9.04	93	157002	57.009	ug/l	97
47) Bromodichloromethane	9.36	83	386730	59.431	ug/l	96
48) Methyl methacrylate	9.10	41	122416	56.546	ug/l	94
49) 1,4-Dioxane	9.06	88	27482	1177.456	ug/l	98
51) 4-Methyl-2-Pentanone	10.28	43	720857	310.651	ug/l	98
52) Toluene	10.50	92	505298	52.529	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	305606	55.951	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	382959	57.647	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	184036	56.987	ug/l	96
56) Ethyl methacrylate	11.03	69	221001	61.788	ug/l	98
57) 1,3-Dichloropropane	11.39	76	259655	52.058	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	479891	288.582	ug/l	95
59) 2-Hexanone	11.52	43	509457	292.676	ug/l	98
60) Dibromochloromethane	11.67	129	316076	59.151	ug/l	97
61) 1,2-Dibromoethane	11.79	107	221300	57.767	ug/l	96
64) Tetrachloroethene	11.24	164	240711	48.600	ug/l	98
65) Chlorobenzene	12.39	112	637356	48.579	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	287339	51.632	ug/l	96
67) Ethyl Benzene	12.52	91	1028785	48.042	ug/l	100
68) m/p-Xylenes	12.65	106	676209	87.369	ug/l	96
69) o-Xylene	13.04	106	344997	48.718	ug/l	95
70) Styrene	13.07	104	597274	48.846	ug/l	98
71) Bromoform	13.22	173	180110	56.767	ug/l	99
73) Isopropylbenzene	13.39	105	991410	48.976	ug/l	99
74) N-amyl acetate	13.25	43	279064	53.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	215619	54.356	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	210809	54.706	ug/l	99
77) Bromobenzene	13.66	156	277852	47.848	ug/l	89
78) n-propylbenzene	13.77	91	1147723	49.528	ug/l	99
79) 2-Chlorotoluene	13.83	91	673097	47.954	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	775650	48.055	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	61508	52.672	ug/l	93
82) 4-Chlorotoluene	13.93	91	756910	48.966	ug/l	86
83) tert-Butylbenzene	14.18	119	935435	50.028	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	758763	49.232	ug/l	97
85) sec-Butylbenzene	14.36	105	926051	45.836	ug/l	100
86) p-Isopropyltoluene	14.48	119	758174	41.931	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	487215	47.911	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	468021	49.213	ug/l	95
89) n-Butylbenzene	14.79	91	751564	46.298	ug/l	95
90) Hexachloroethane	15.00	117	249151	50.958	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	419485	50.008	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	31985	54.334	ug/l	84

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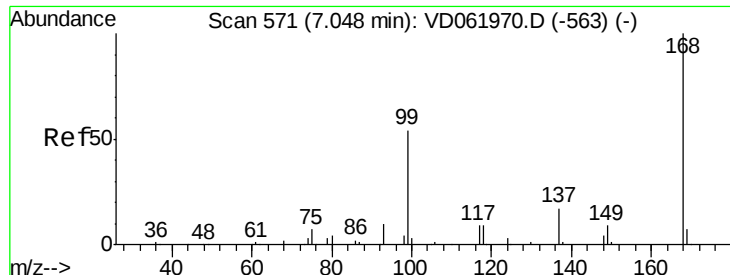
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	217055	47.957	ug/l	96
94) Hexachlorobutadiene	16.03	225	174157	51.996	ug/l	97
95) Naphthalene	16.12	128	396631	54.275	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	132215	51.486	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 491010

Ion Ratio Lower Upper

168 100

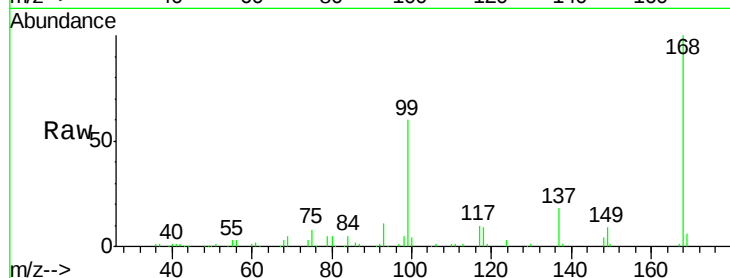
99 59.6 46.5 69.7

Manual Integrations

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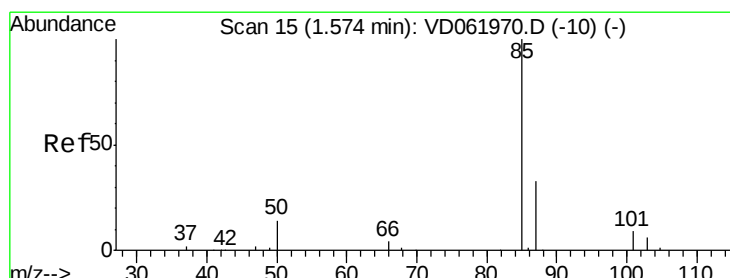
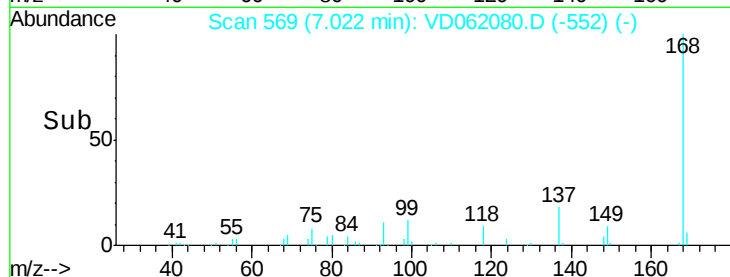
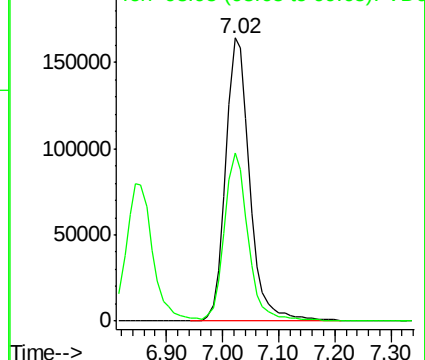
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.254 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062080.D

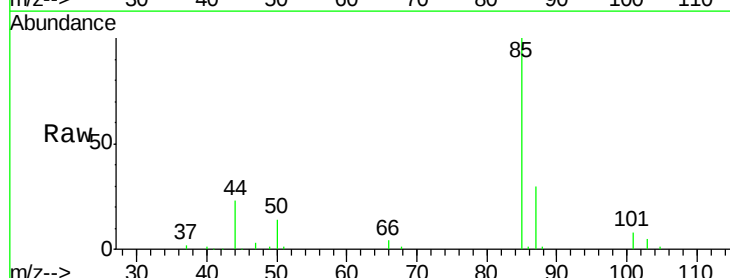
Acq: 30 Apr 2019 00:22

Tgt Ion: 85 Resp: 211564

Ion Ratio Lower Upper

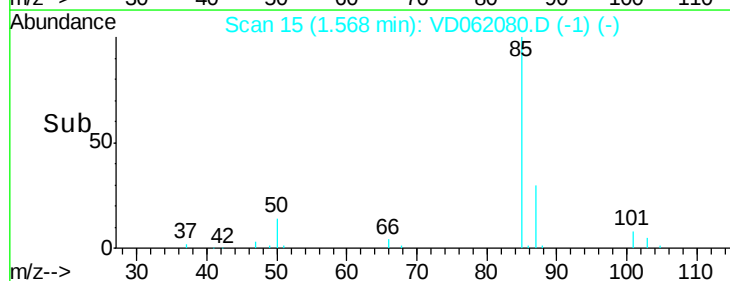
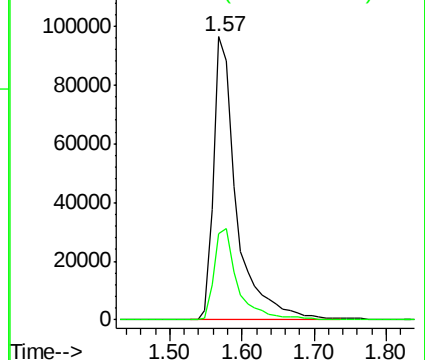
85 100

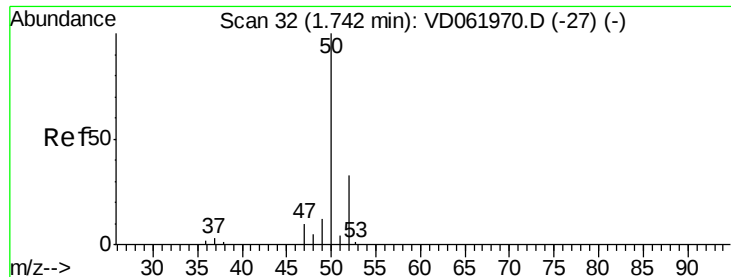
87 30.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.917 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 163651

Ion Ratio Lower Upper

50 100

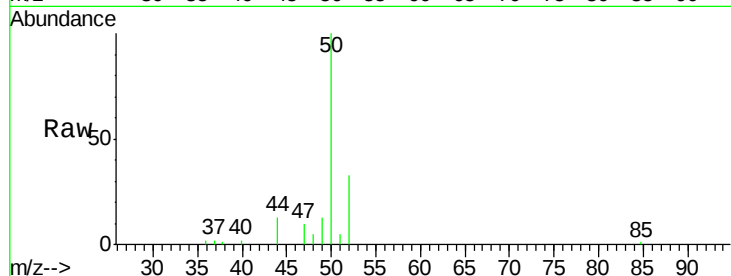
52 32.8 25.2 37.8

Manual Integrations

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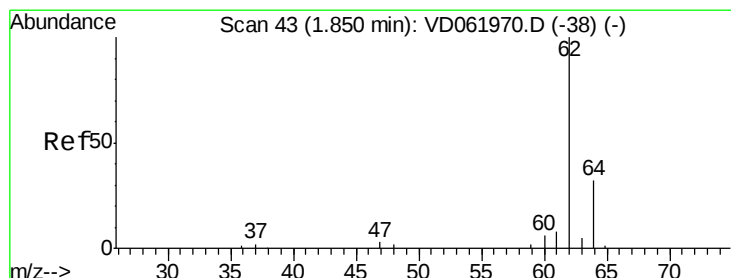
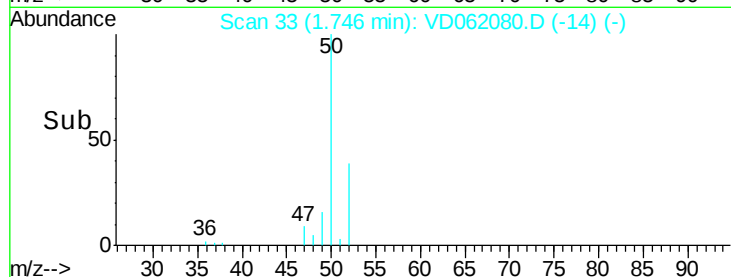
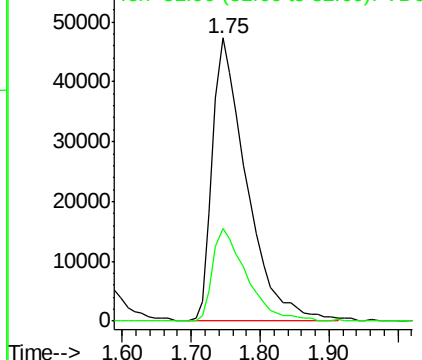
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.204 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062080.D

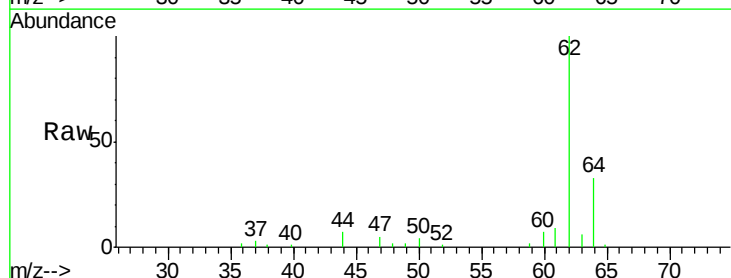
Acq: 30 Apr 2019 00:22

Tgt Ion: 62 Resp: 159431

Ion Ratio Lower Upper

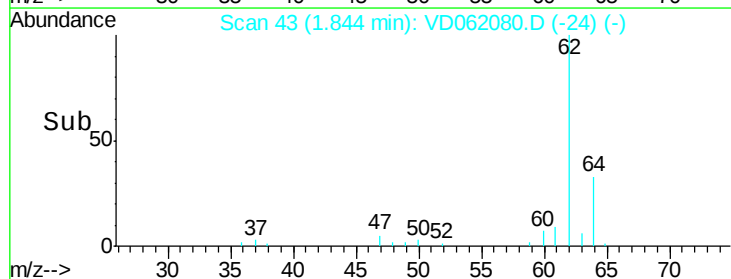
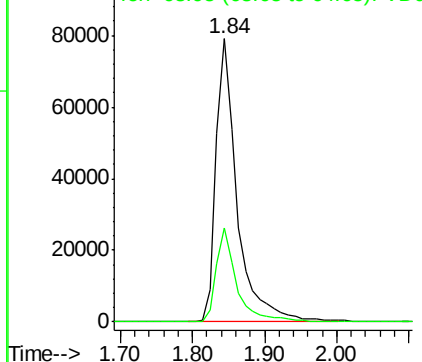
62 100

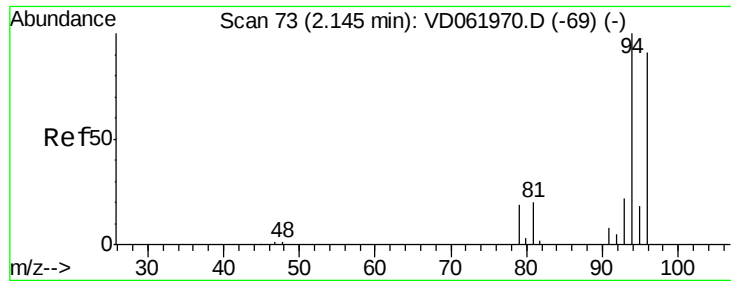
64 33.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 67.746 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 55753

Ion Ratio Lower Upper

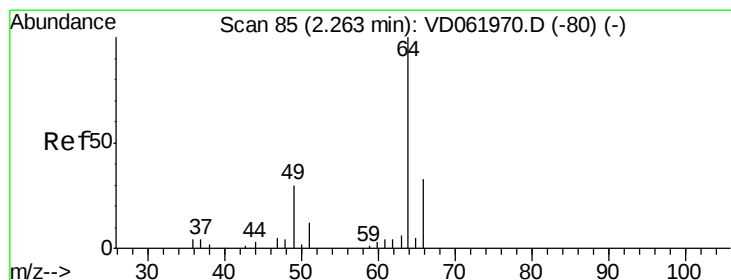
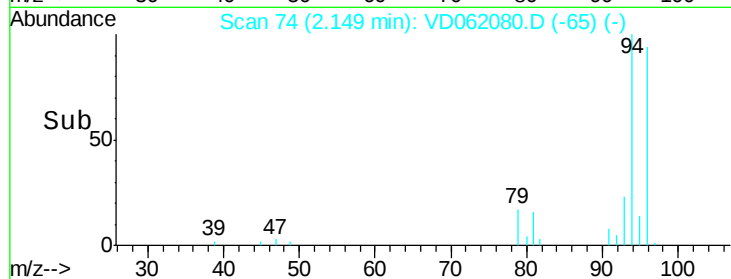
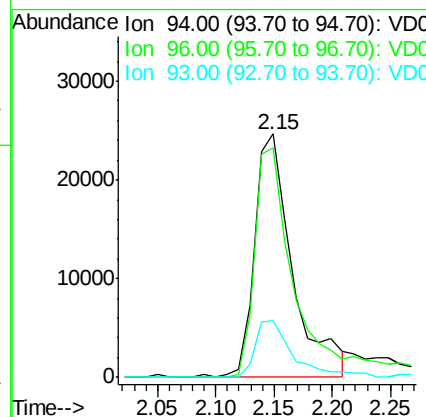
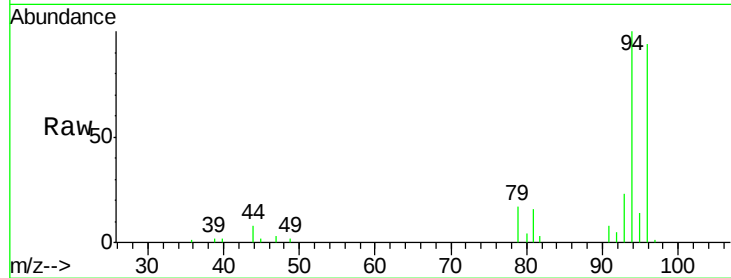
94 100

96 94.1 76.6 115.0

93 23.2 18.5 27.7

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#6

Chloroethane

Concen: 56.924 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062080.D

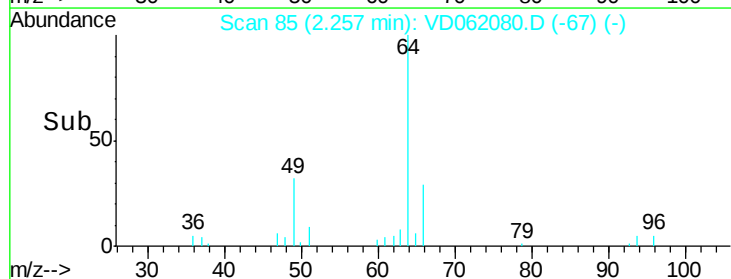
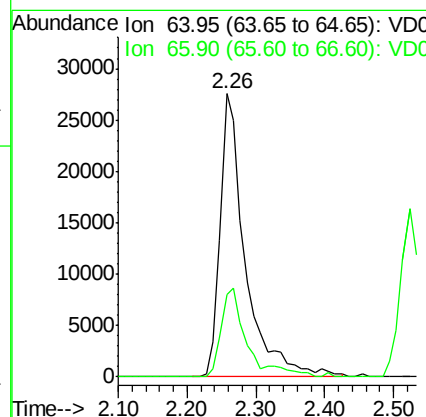
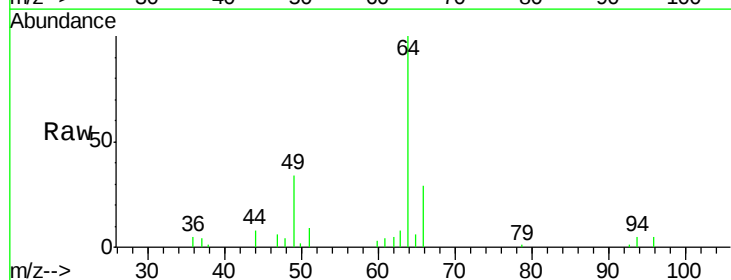
Acq: 30 Apr 2019 00:22

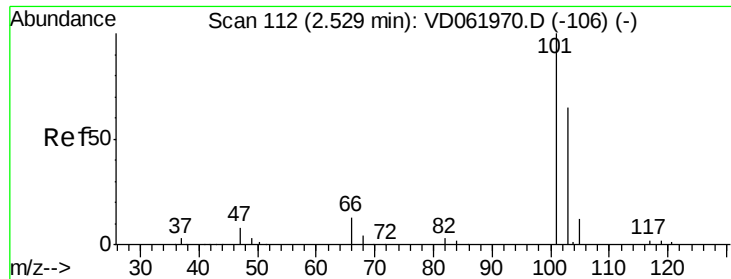
Tgt Ion: 64 Resp: 69498

Ion Ratio Lower Upper

64 100

66 29.1 25.6 38.4





#7

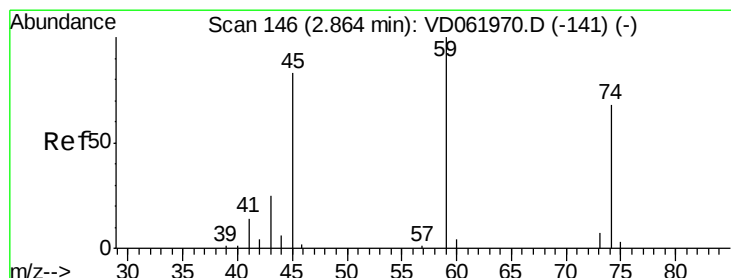
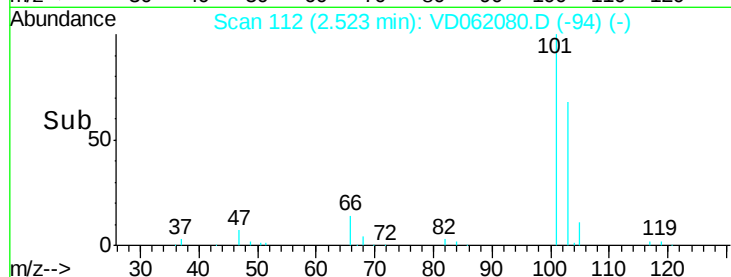
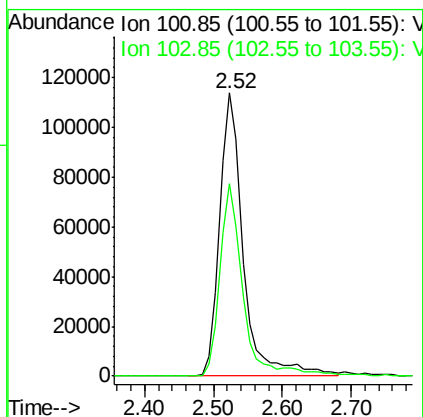
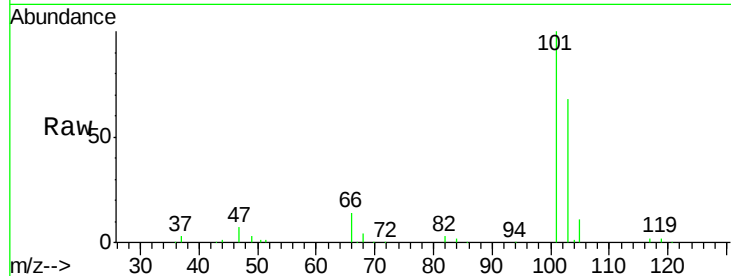
Trichlorofluoromethane
 Concen: 53.179 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	53.6	80.4

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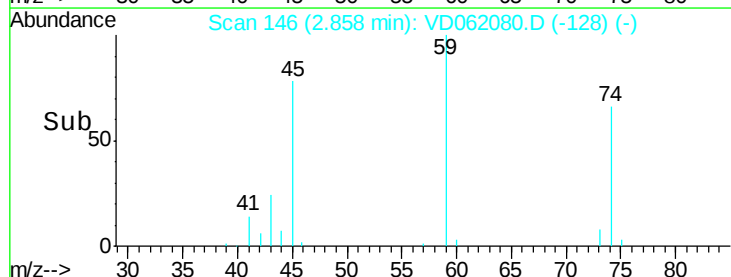
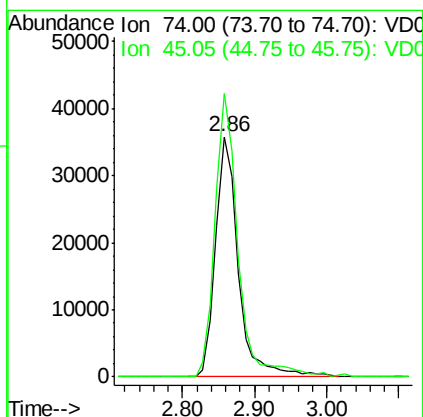
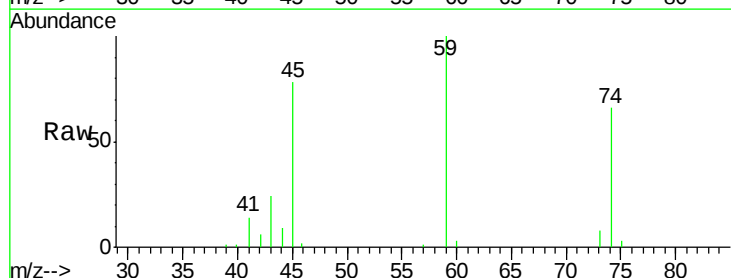
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 5/1/2019 9:27:56 AM



#8

Diethyl Ether
 Concen: 56.967 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD062080.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.7	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.452 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

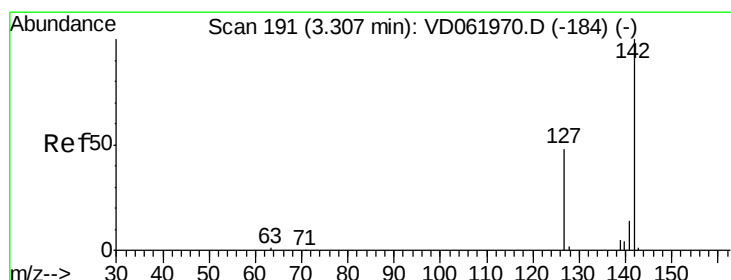
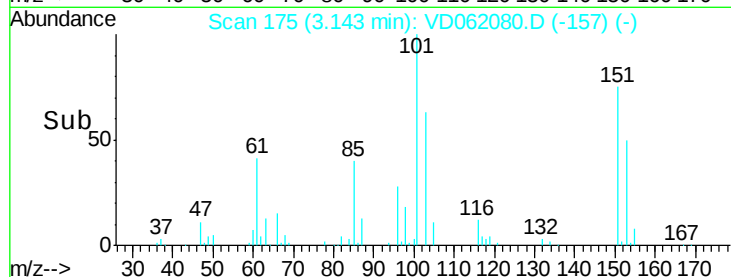
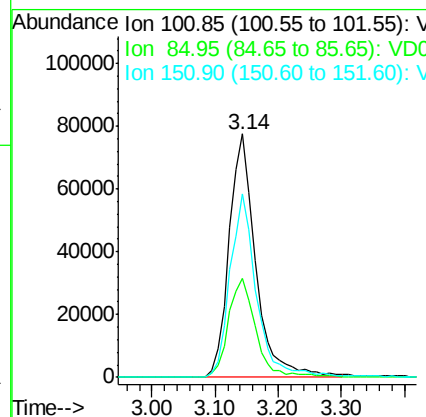
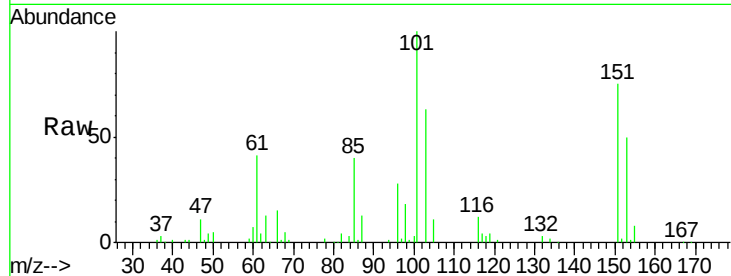
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	227931
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.4	48.6
151	75.5	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 48.242 ug/l

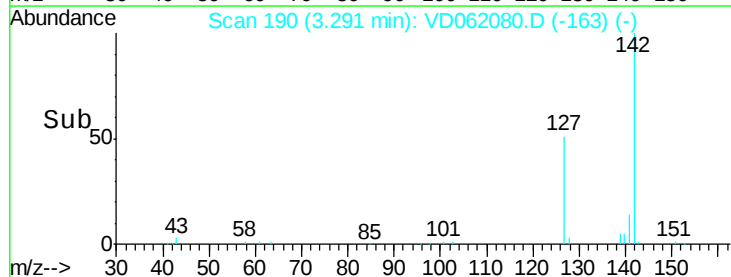
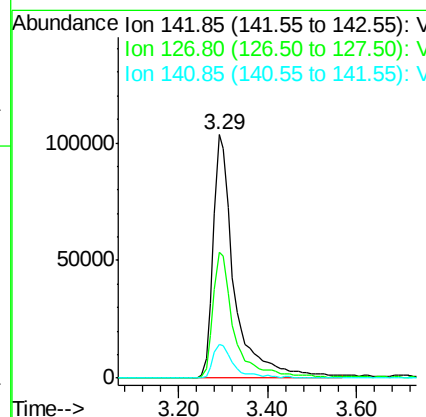
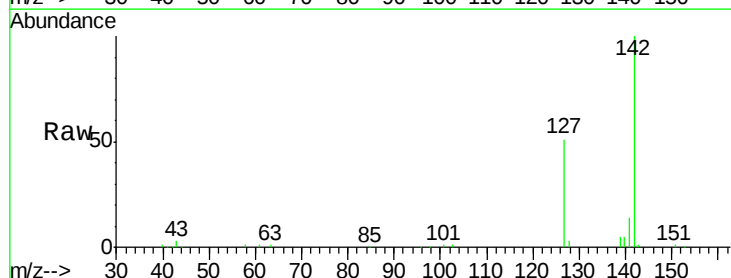
RT: 3.29 min Scan# 190

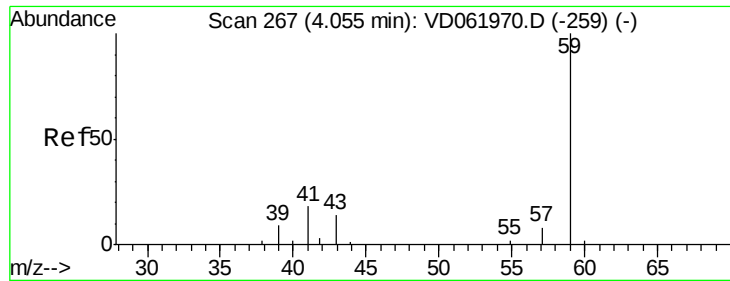
Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tgt Ion:	142	Resp:	344210
Ion Ratio	Lower	Upper	
142	100		
127	51.4	38.8	58.2
141	13.9	11.4	17.0





#11

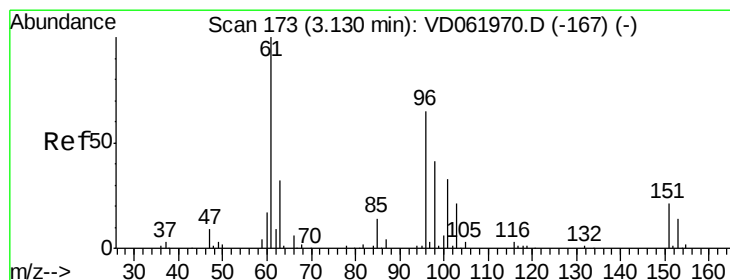
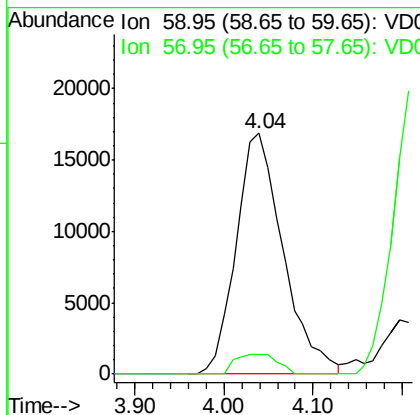
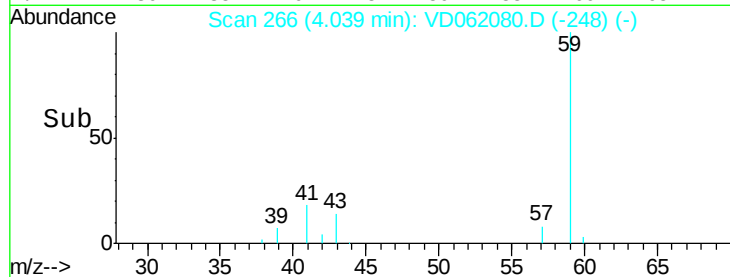
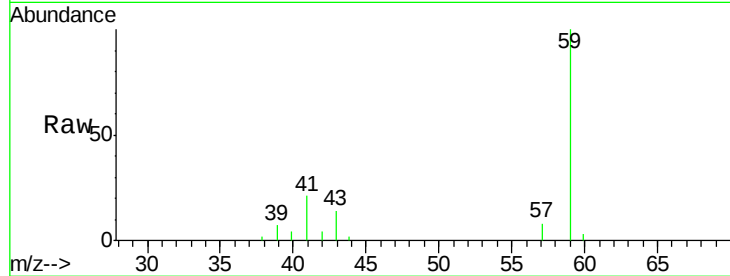
Tert butyl alcohol
Concen: 284.907 ug/l
RT: 4.04 min Scan# 266
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	6.9	10.3

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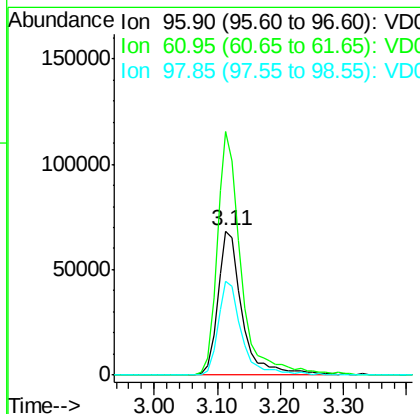
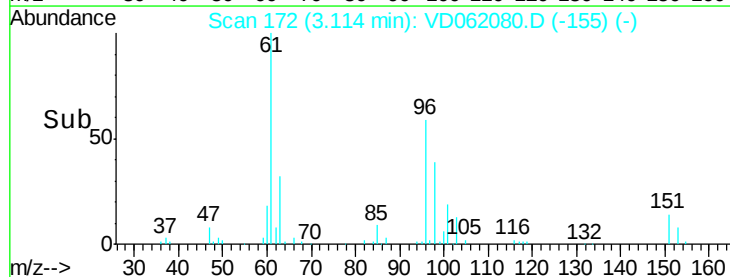
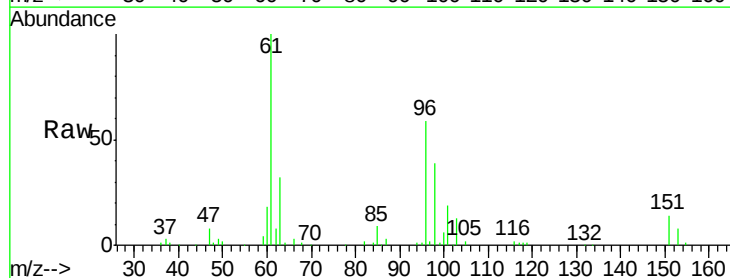
MMDadoda
5/1/2019 9:27:56 AM

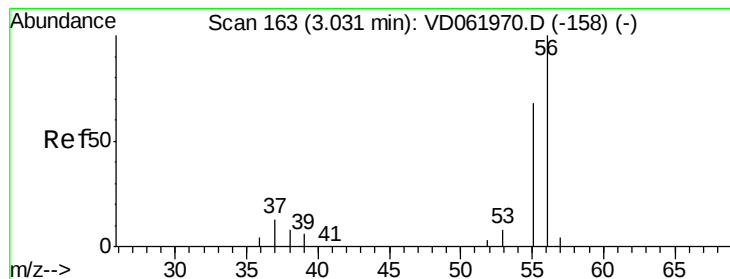


#12

1,1-Dichloroethene
Concen: 45.974 ug/l
RT: 3.11 min Scan# 172
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.3	129.8	194.8
98	65.4	51.2	76.8





#13

Acrolein

Concen: 185.358 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41758

Ion Ratio Lower Upper

56 100

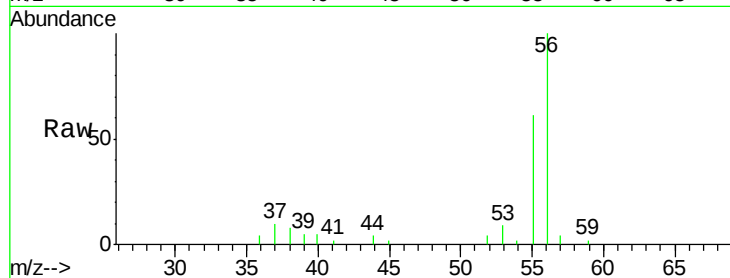
55 61.2 51.4 77.2

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

15000

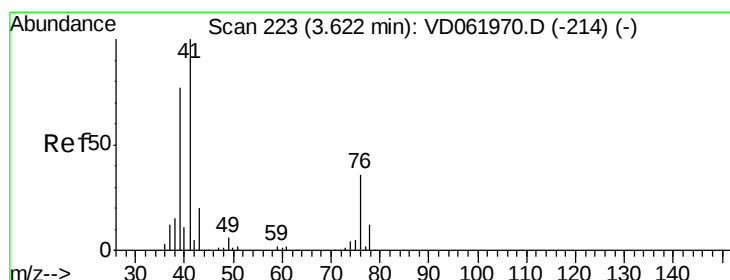
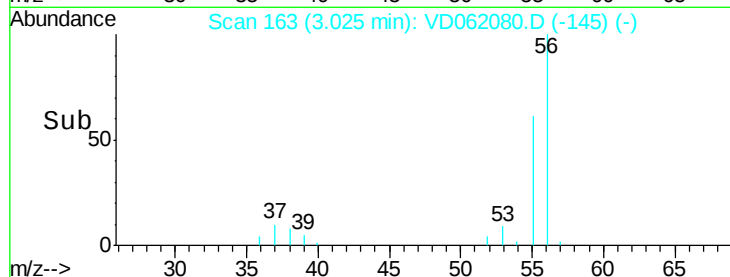
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 49.224 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

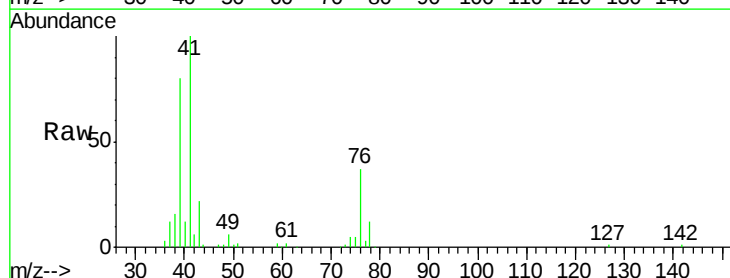
Tgt Ion: 41 Resp: 269014

Ion Ratio Lower Upper

41 100

39 80.2 60.5 90.7

76 37.2 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

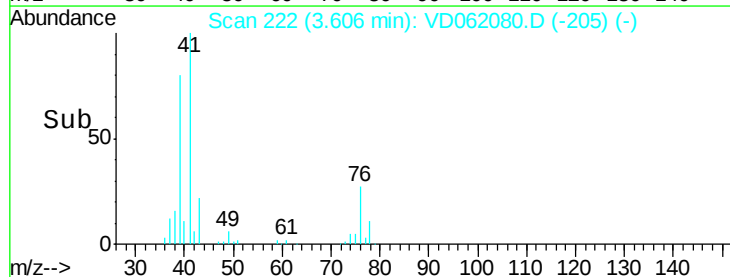
40000

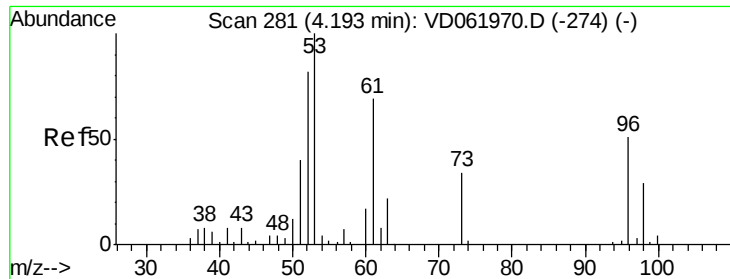
20000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 272.304 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.04 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

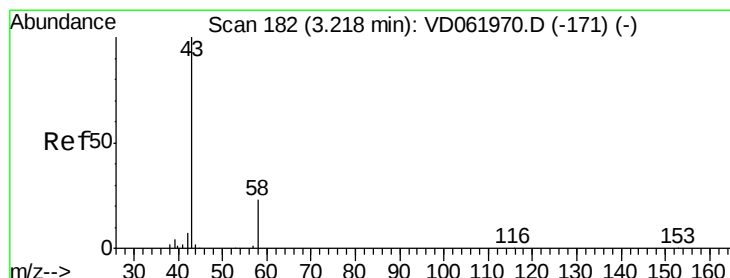
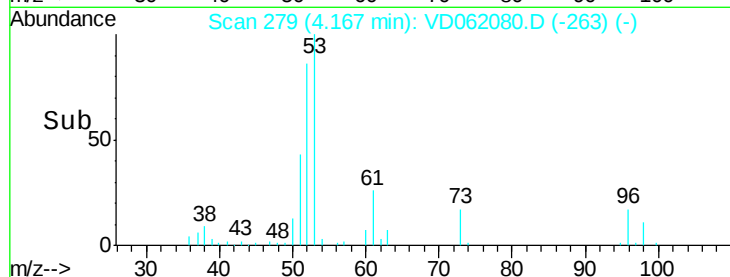
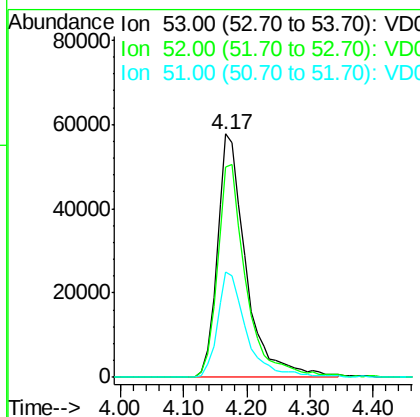
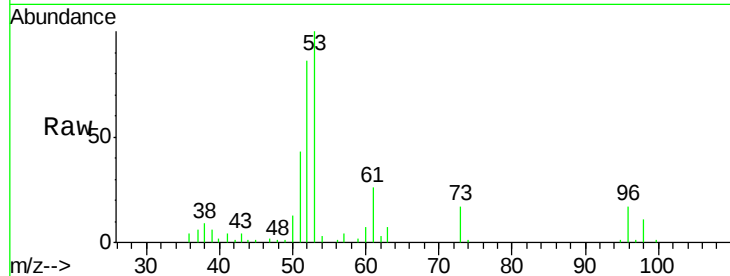
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	183082
Ion Ratio	Lower	Upper	
53	100		
52	86.2	65.0	97.4
51	43.3	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 265.729 ug/l

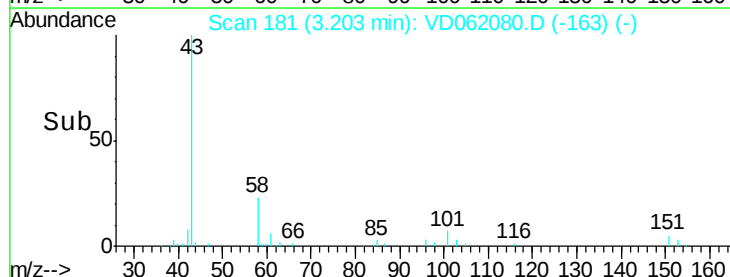
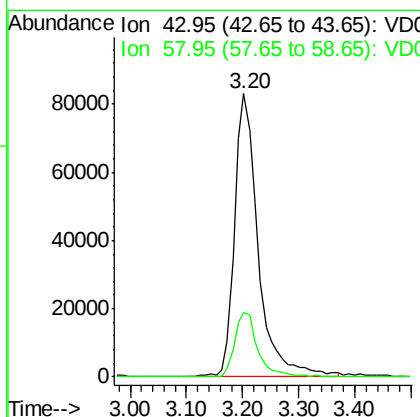
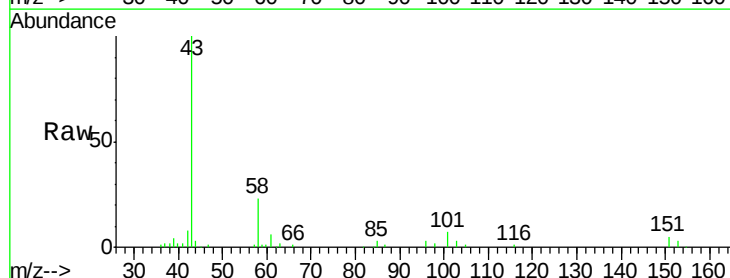
RT: 3.20 min Scan# 181

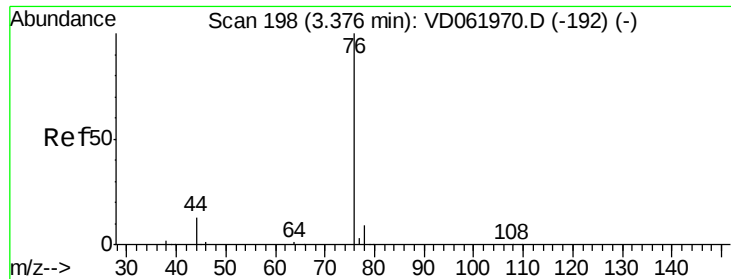
Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tgt Ion:	43	Resp:	243826
Ion Ratio	Lower	Upper	
43	100		
58	23.0	19.9	29.9





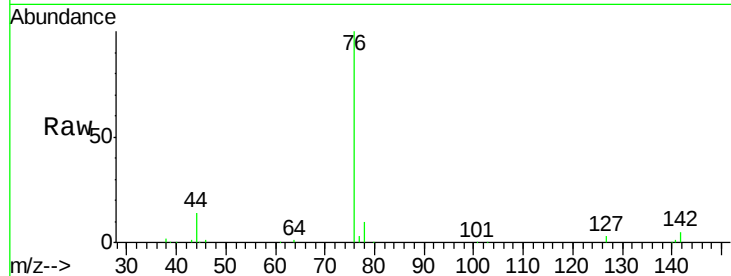
#17
Carbon Disulfide
Concen: 43.233 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

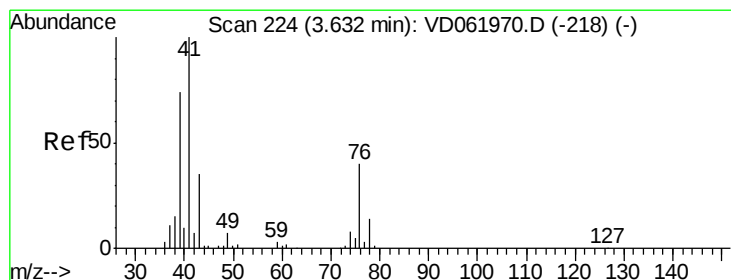
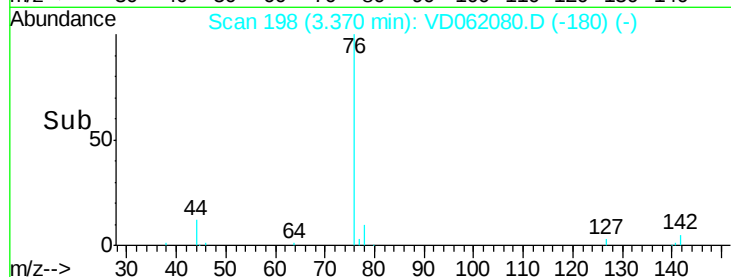
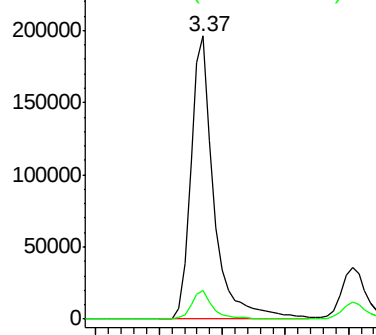
Tot Ion	76	Resp	500003
Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

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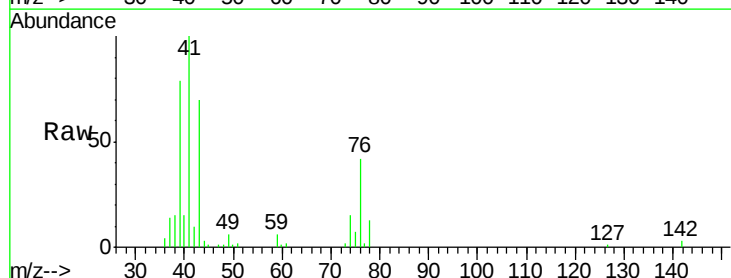


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

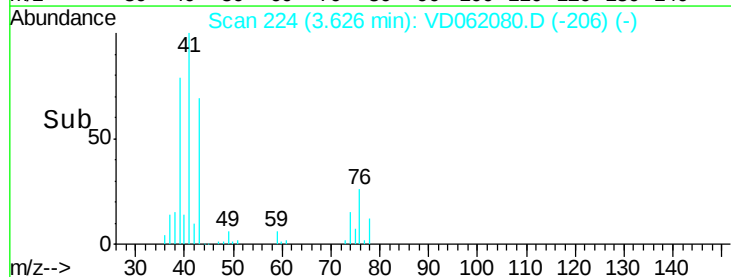
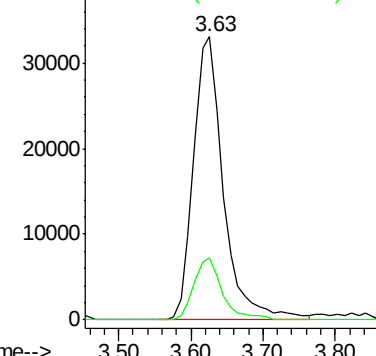


#18
Methyl Acetate
Concen: 57.439 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	43	Resp	95048
Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.0	27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





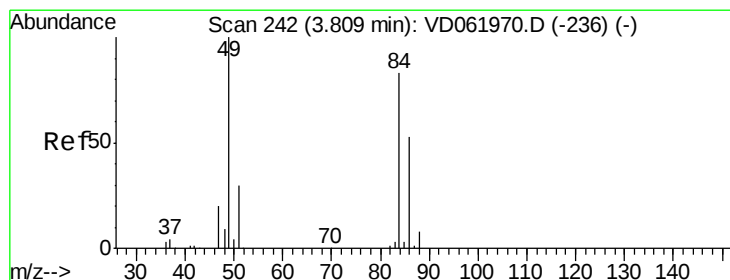
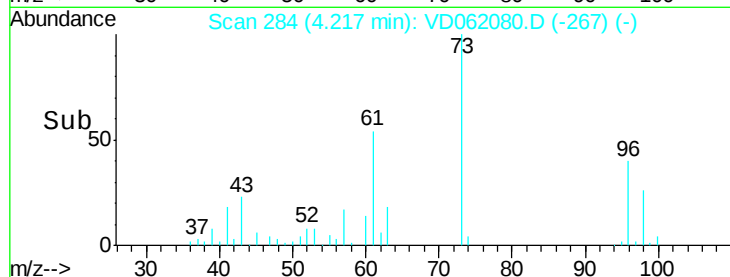
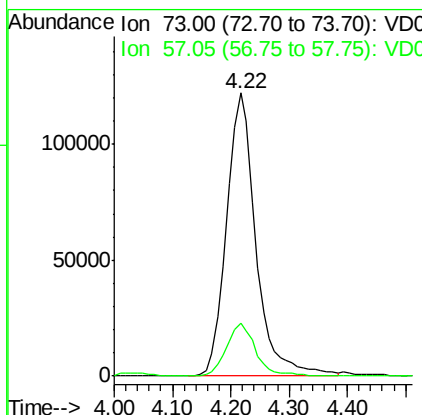
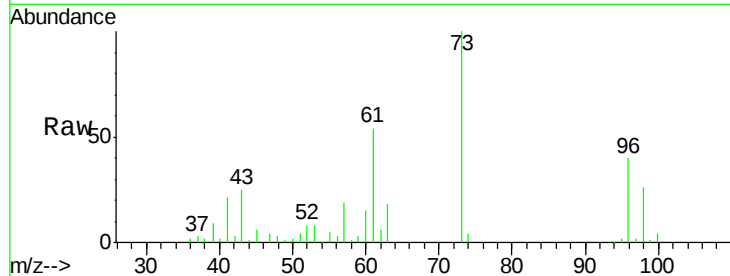
#19
Methvl tert-butvl Ether
Concen: 53.881 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 427865
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5

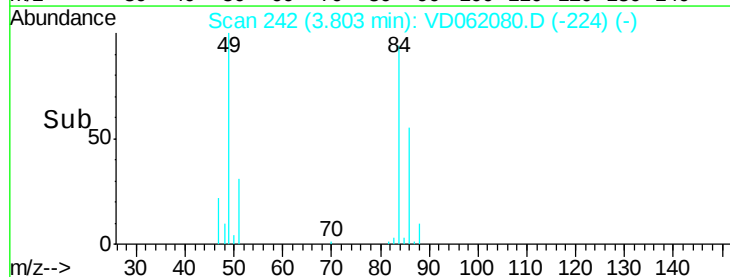
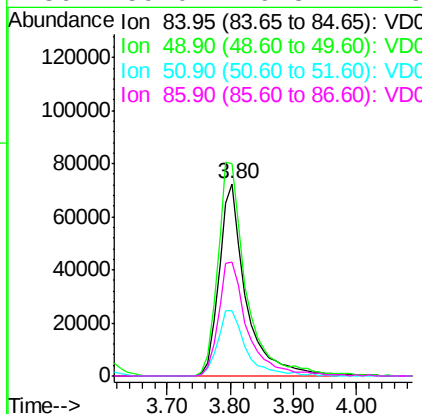
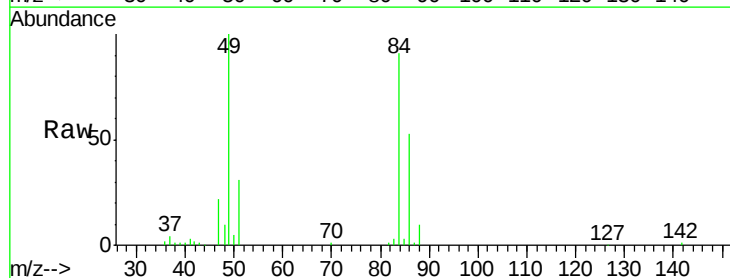
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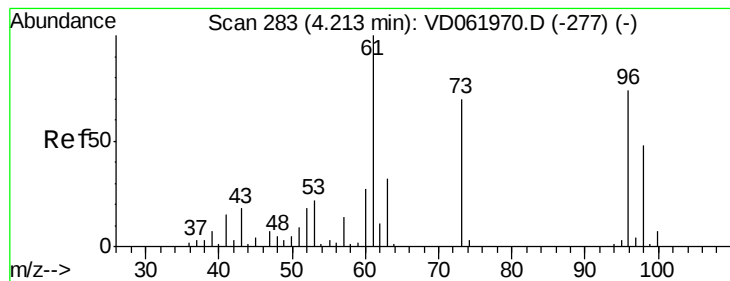
MMDadoda
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#20
Methylene Chloride
Concen: 47.712 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion: 84 Resp: 213781
Ion Ratio Lower Upper
84 100
49 110.5 94.0 141.0
51 33.8 29.0 43.4
86 59.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 46.630 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 214092

Ion Ratio Lower Upper

96 100

61 129.2 104.4 156.6

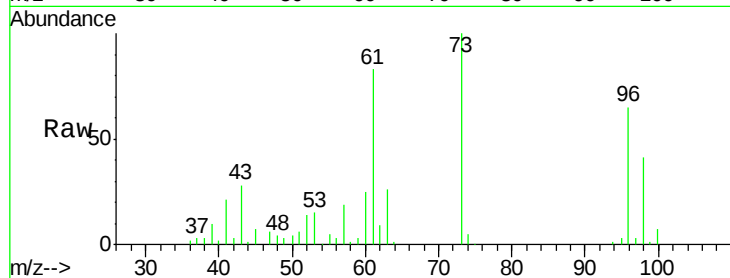
98 63.2 51.8 77.8

Manual Integrations

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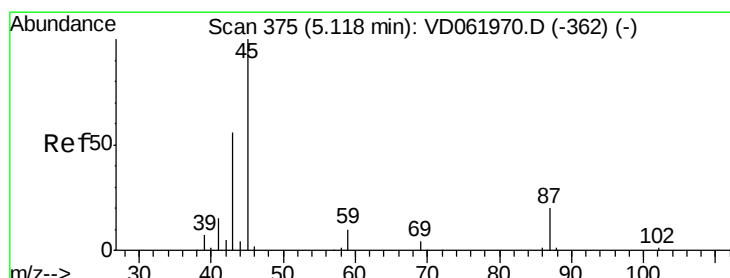
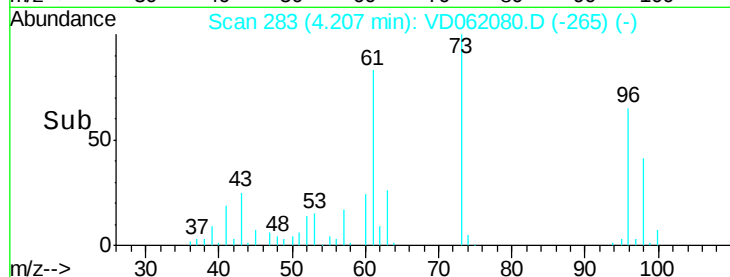
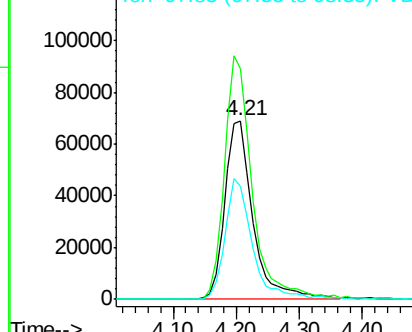


Abundance

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: 47.453 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tgt Ion: 45 Resp: 605476

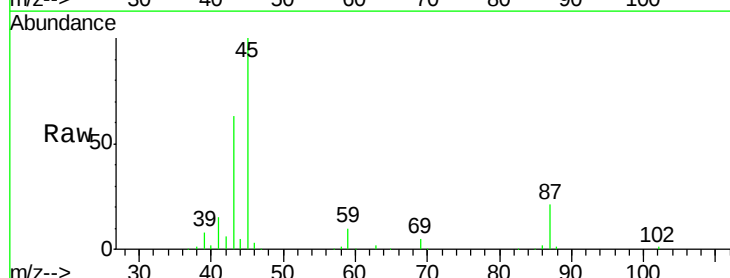
Ion Ratio Lower Upper

45 100

43 62.6 46.2 69.2

87 20.5 15.9 23.9

59 10.2 7.9 11.9



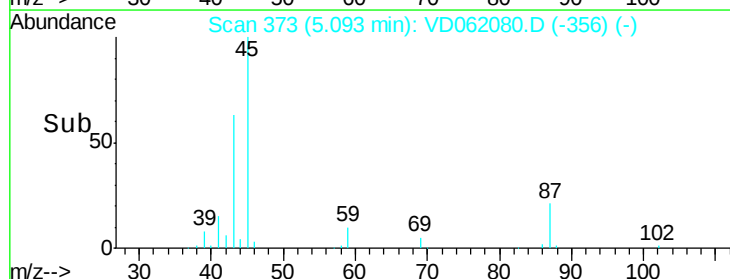
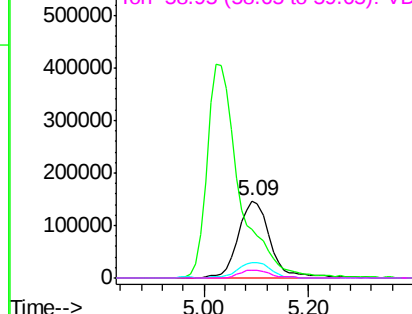
Abundance

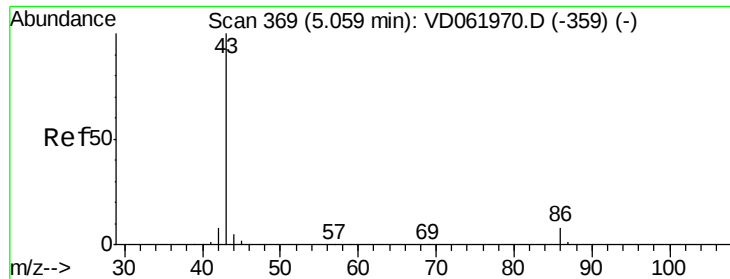
Ion 45.05 (44.75 to 45.75): VDC

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: 260.984 ug/l

RT: 5.02 min Scan# 366

Delta R.T. -0.04 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1734157

Ion Ratio Lower Upper

43 100

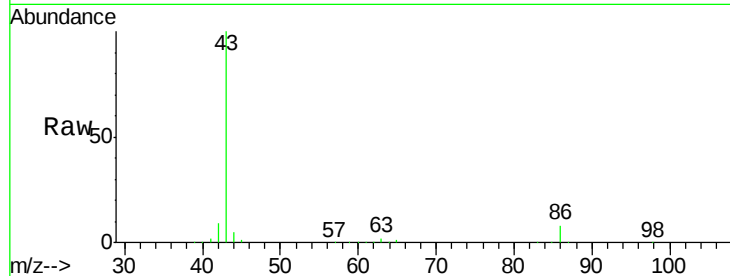
86 7.6 6.4 9.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

400000

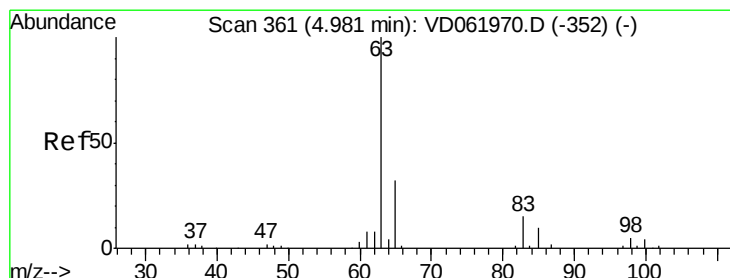
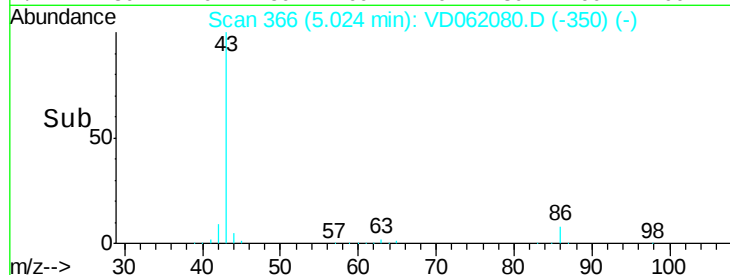
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.812 ug/l

RT: 4.96 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

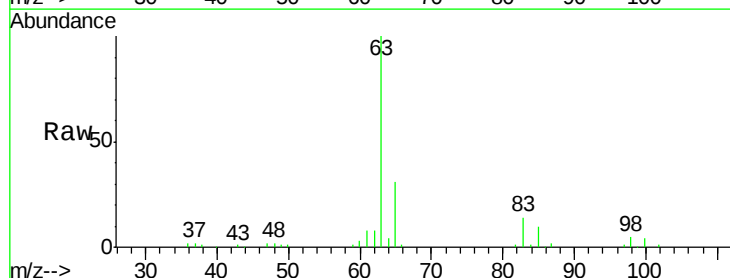
Tgt Ion: 63 Resp: 384147

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.6 1.8 5.5



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

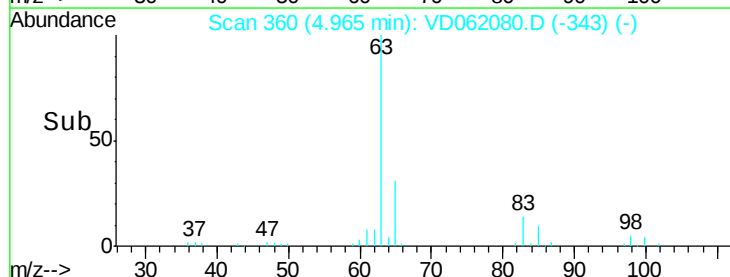
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 254.852 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tot Ion: 43 Resp: 283521

Ion Ratio Lower Upper

43 100

72 20.8 16.2 24.4

Instrument :

MSVOA_D

ClientSampleId :

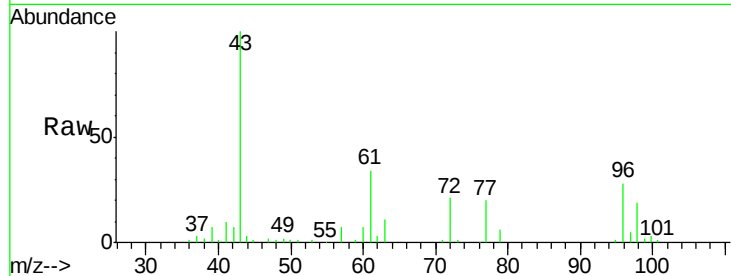
VSTDCCC050EC

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.05

100000

80000

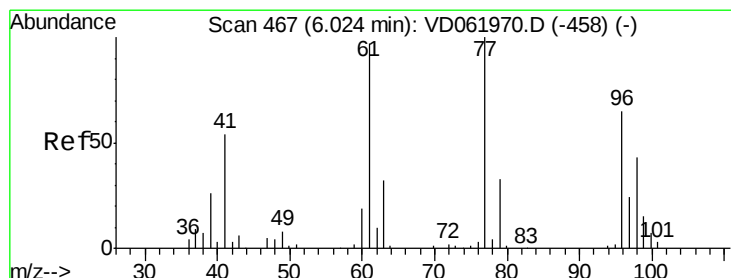
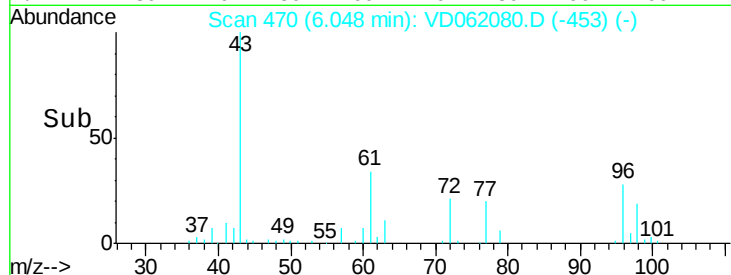
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.332 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.03 min

Lab File: VD062080.D

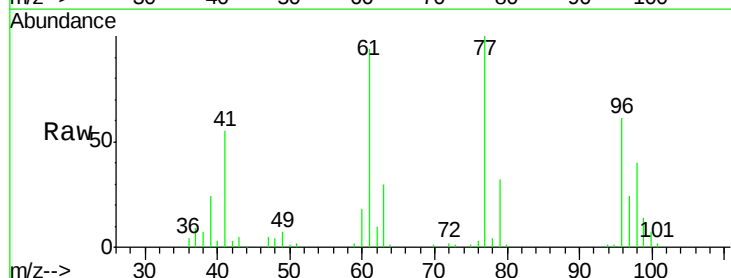
Acq: 30 Apr 2019 00:22

Tgt Ion: 77 Resp: 311715

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.00

100000

80000

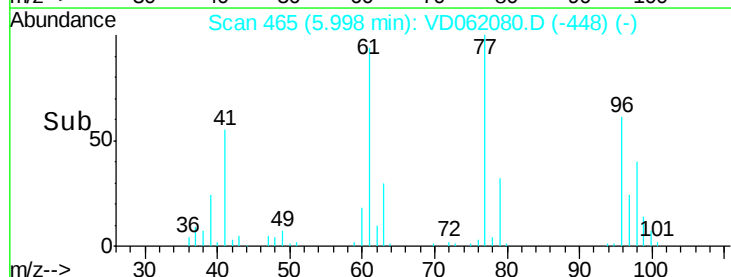
60000

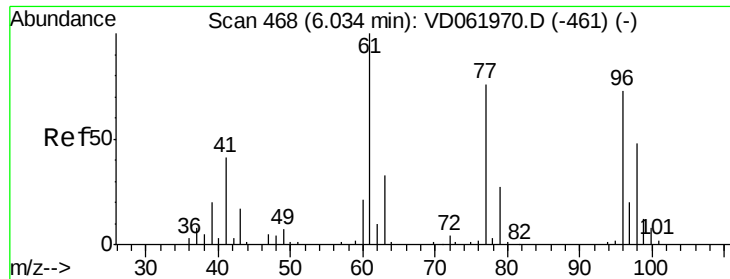
40000

20000

0

Time-->





#27

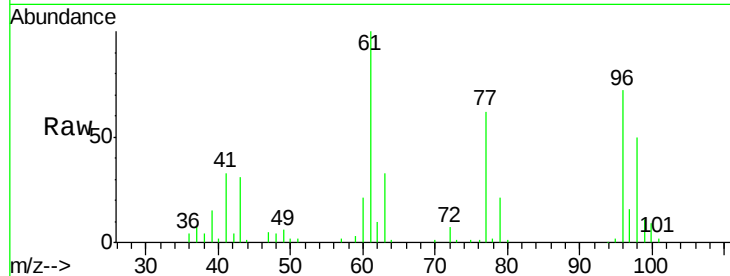
cis-1,2-Dichloroethene
Concen: 47.941 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

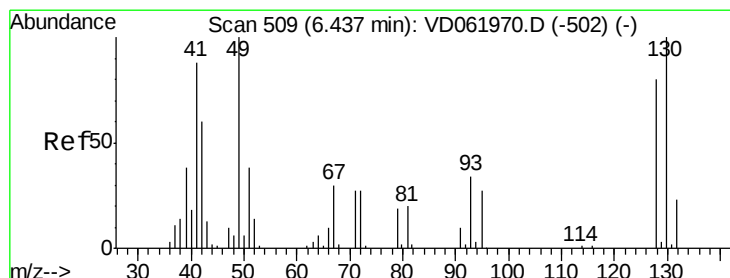
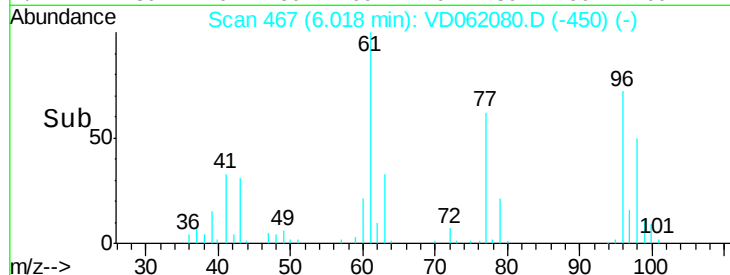
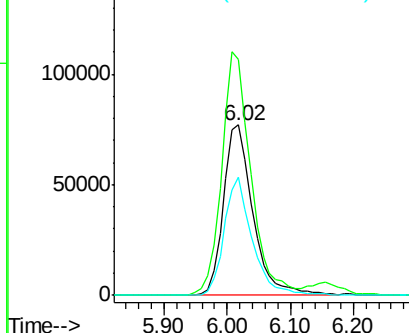
Tot Ion	Ratio	Resp	Lower	Upper
96	100	250403		
61	138.7	0.0	279.8	
98	69.1	0.0	136.0	

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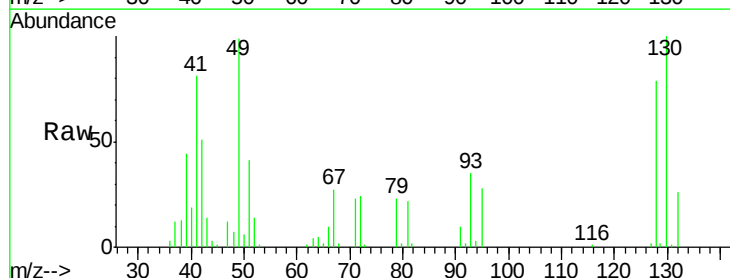
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



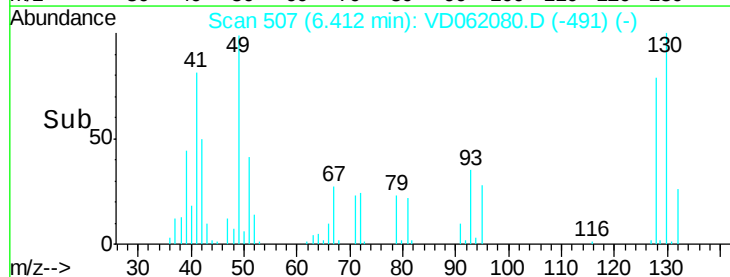
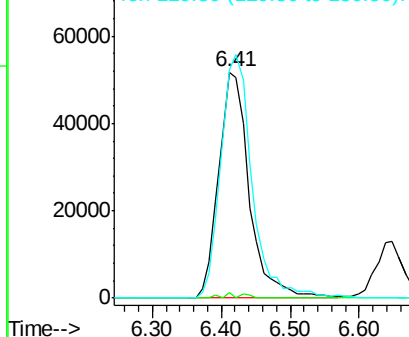
#28

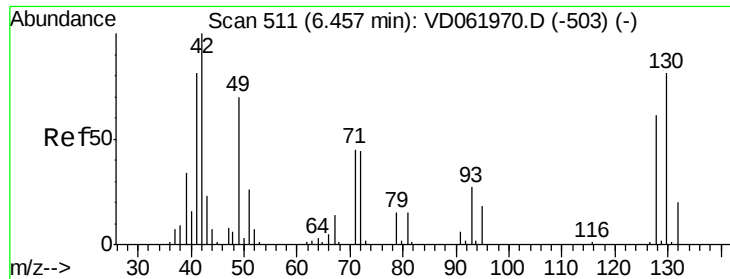
Bromochloromethane
Concen: 53.854 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.04 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158912		
129	2.5	0.0	6.6	
130	101.0	86.7	130.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





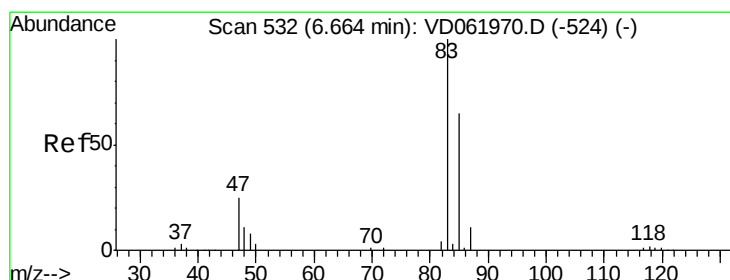
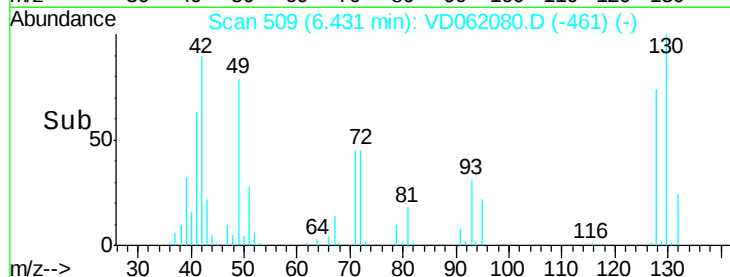
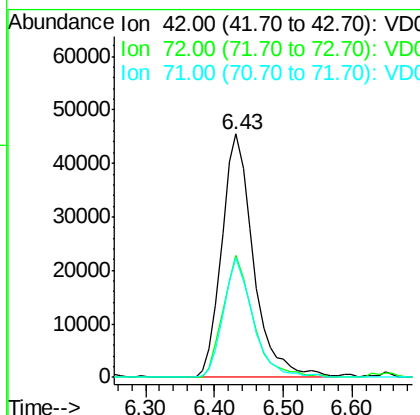
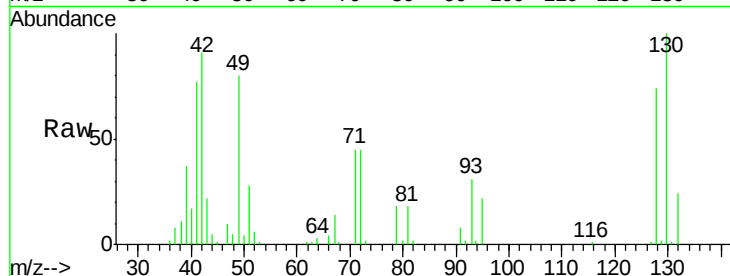
#29
Tetrahydrofuran
Concen: 265.034 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.8	56.6
71	45.8	36.7	55.1

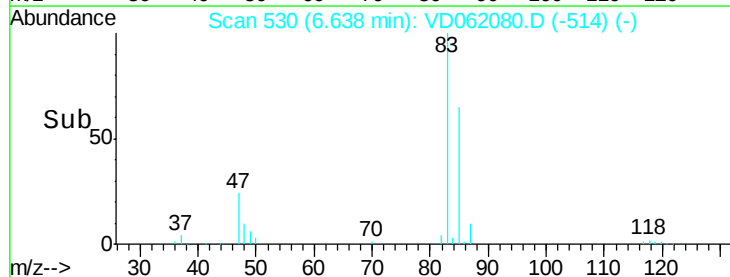
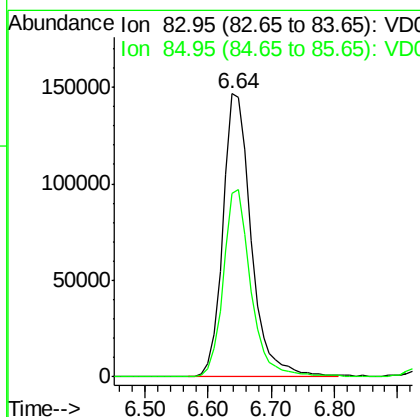
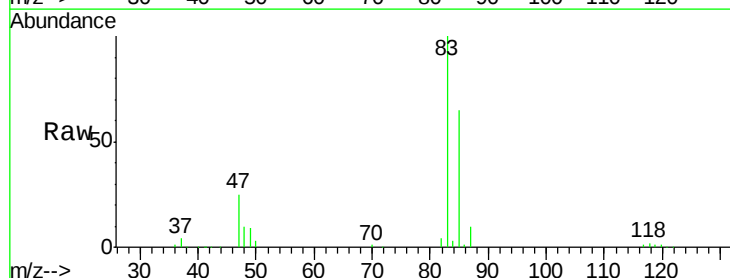
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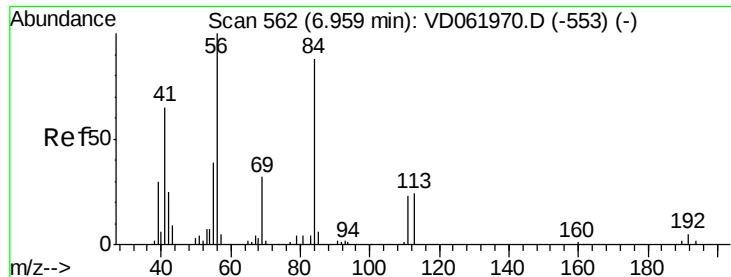
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#30
Chloroform
Concen: 52.193 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.04 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





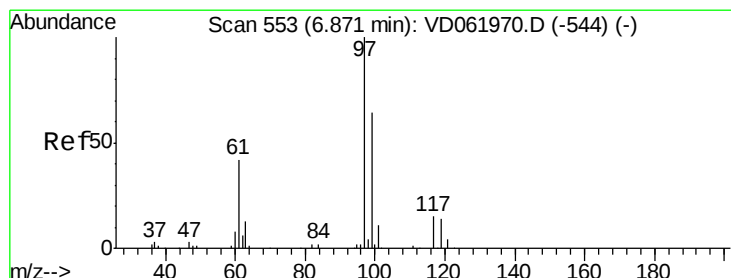
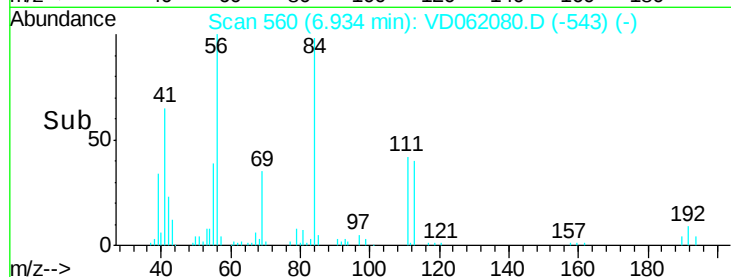
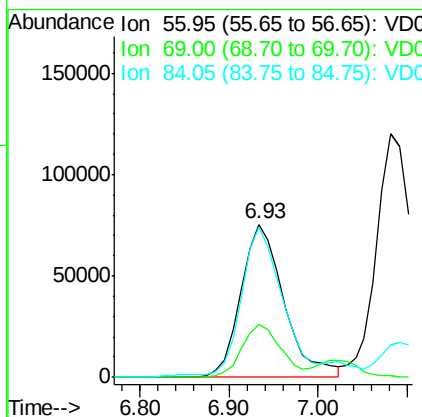
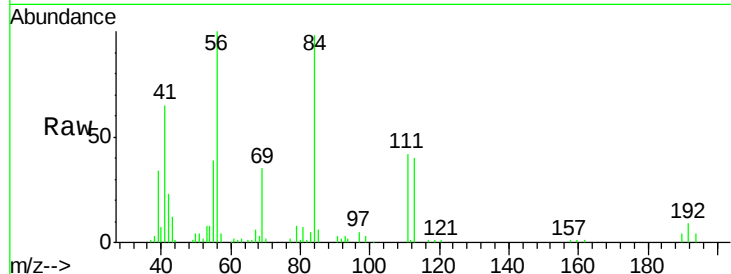
#31
Cyclohexane
Concen: 44.187 ug/l
RT: 6.93 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.8	38.6
84	98.2	72.2	108.4

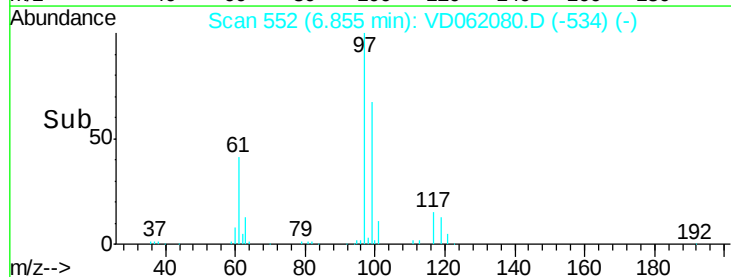
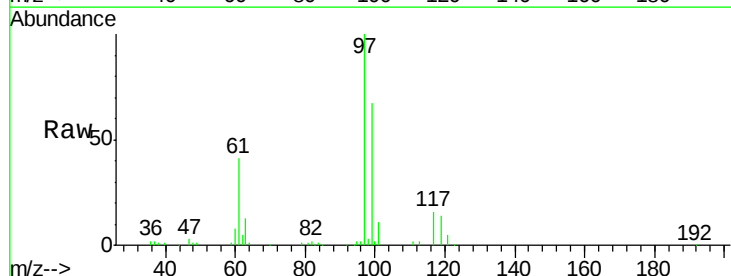
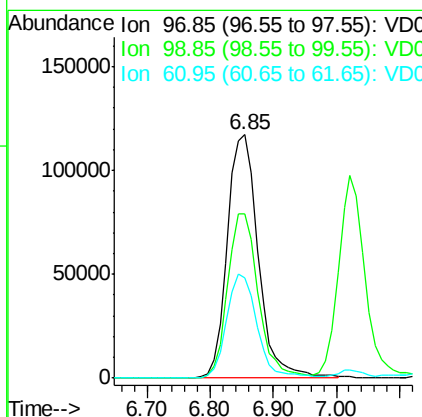
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#32
1,1,1-Trichloroethane
Concen: 52.161 ug/l
RT: 6.85 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	52.2	78.2
61	41.2	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 55.785 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tot Ion: 65 Resp: 214378

Ion Ratio Lower Upper

65 100

67 48.9 0.0 98.0

Instrument :

MSVOA_D

ClientSampleId :

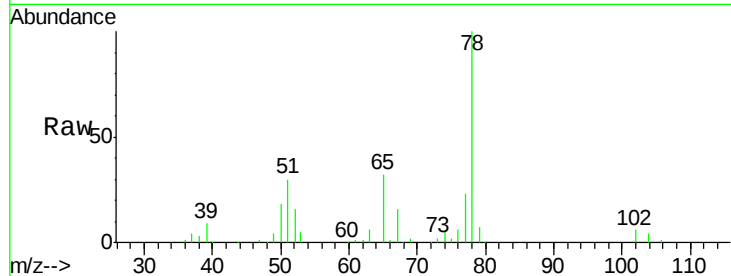
VSTDCCC050EC

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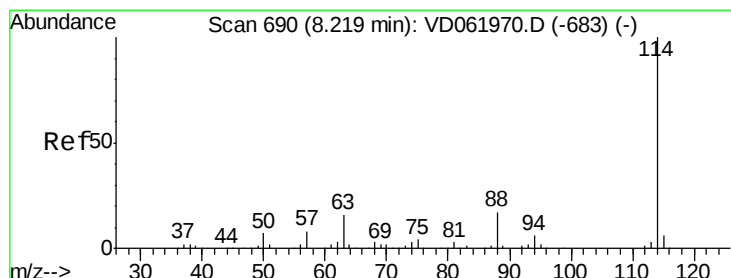
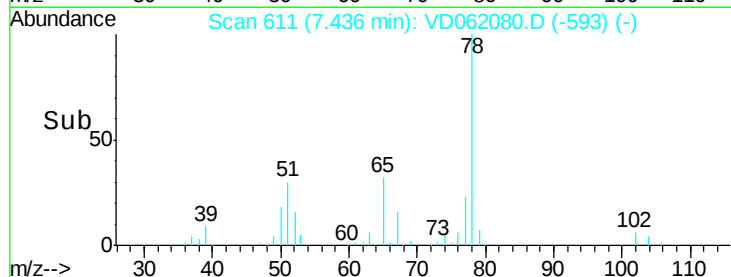
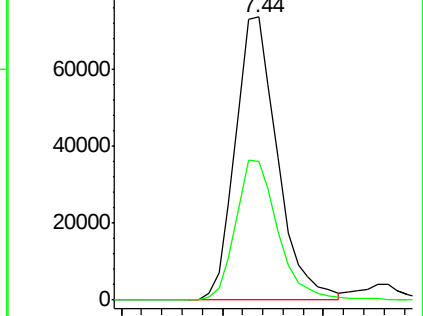
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

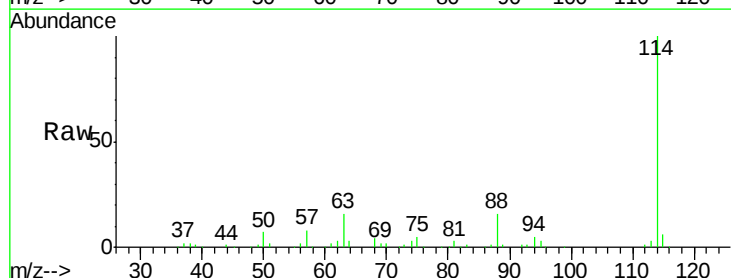
Tgt Ion: 114 Resp: 782171

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.4

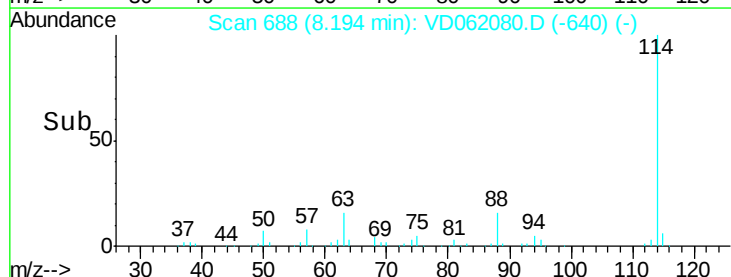
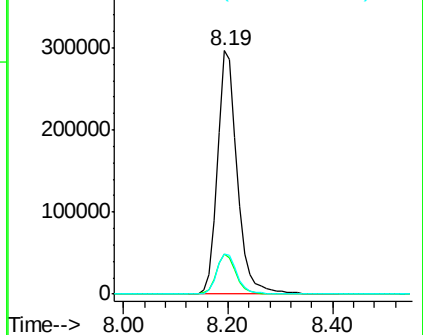
88 16.3 0.0 33.6

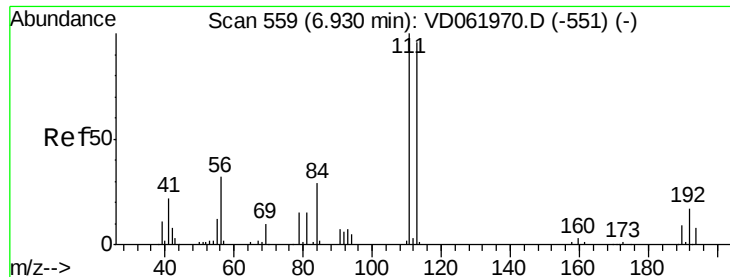


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 58.226 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

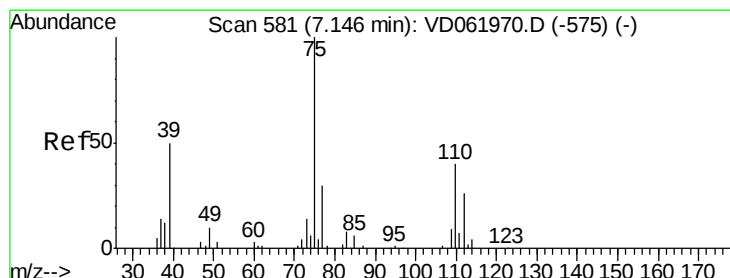
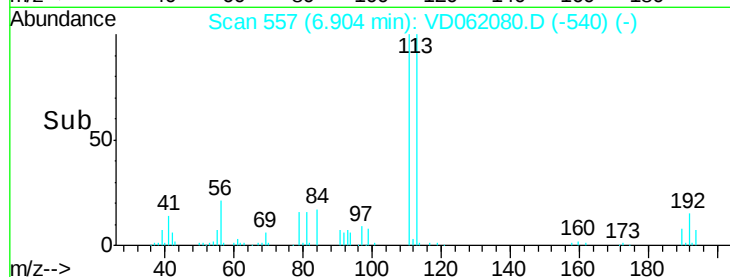
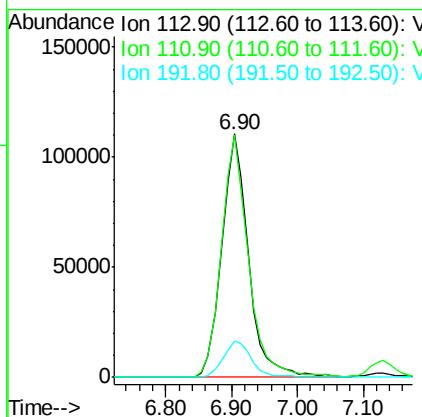
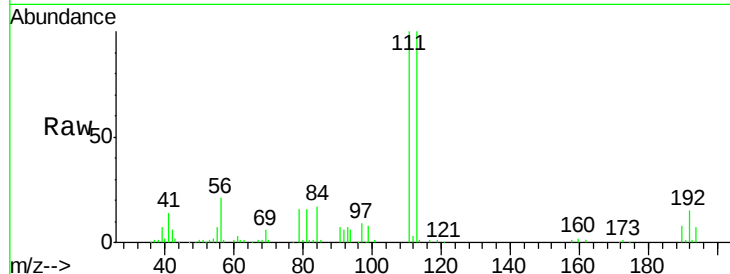
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	314972
Ion	Ratio	Lower	Upper
113	100		
111	99.5	78.5	117.7
192	14.7	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 46.870 ug/l

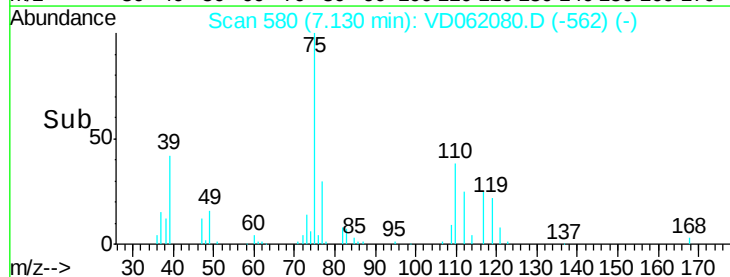
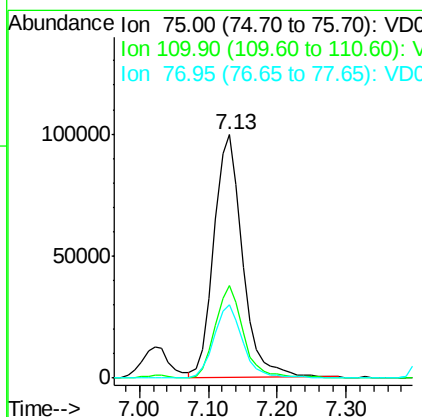
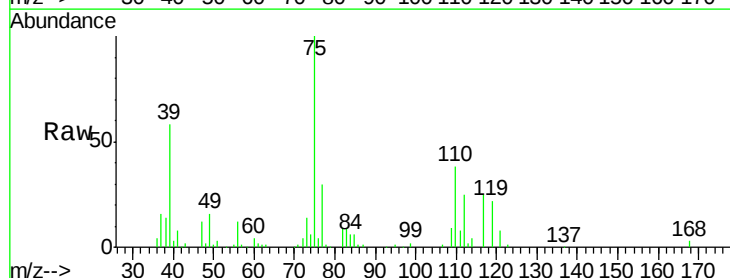
RT: 7.13 min Scan# 580

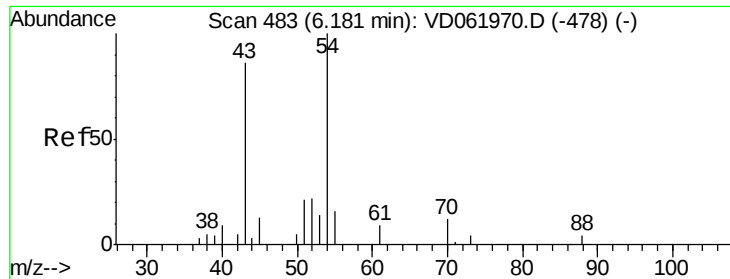
Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tgt Ion:	75	Resp:	285625
Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.1
77	30.4	25.6	38.4





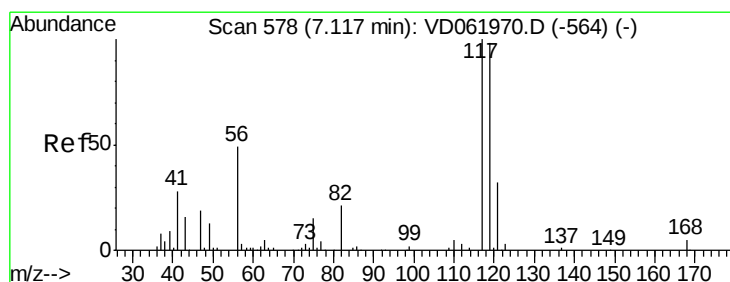
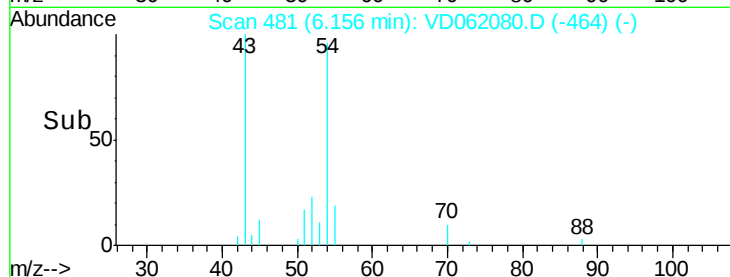
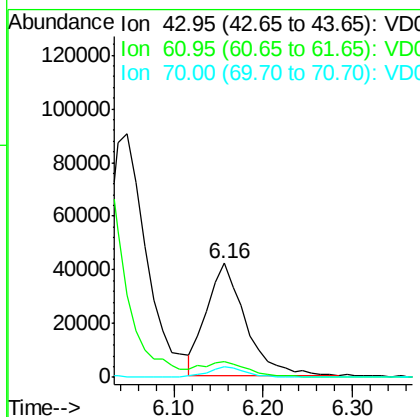
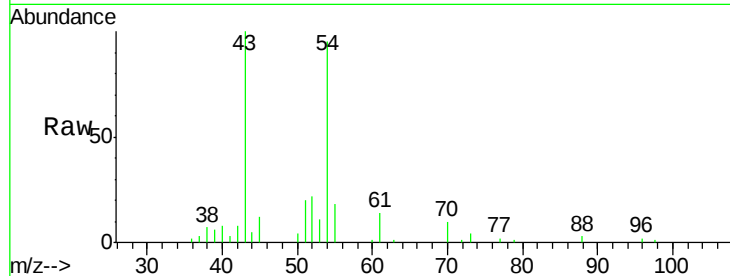
#37
Ethyl Acetate
Concen: 49.209 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	14.7	22.1#
70	9.8	7.8	11.6

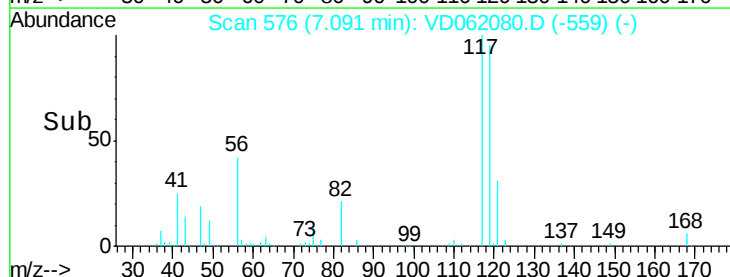
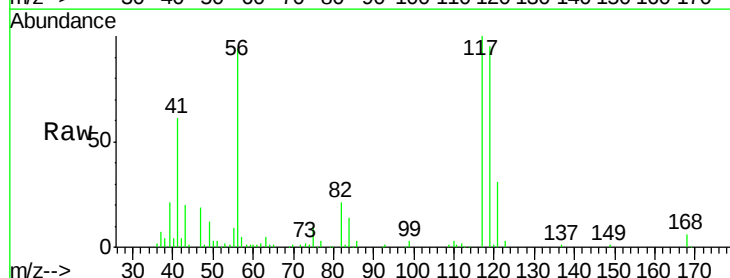
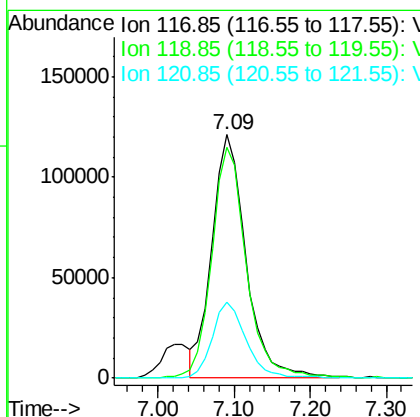
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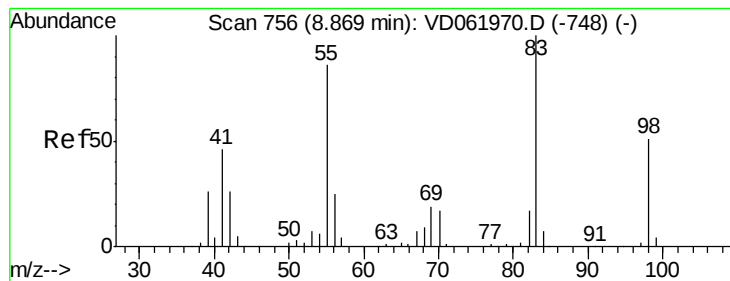
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#38
Carbon Tetrachloride
Concen: 49.103 ug/l m
RT: 7.09 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	31.0	25.9	38.9





#39

Methvlcvclohexane

Concen: 49.003 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 294626

Ion Ratio Lower Upper

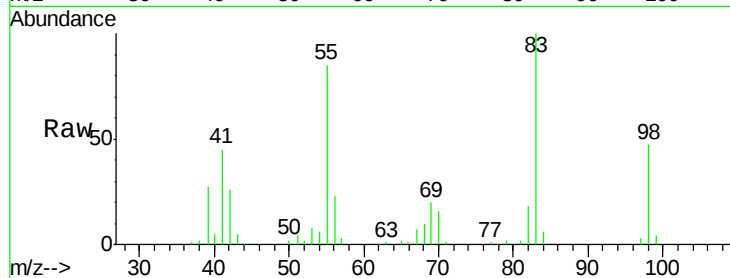
83 100

55 85.2 68.2 102.4

98 47.3 38.2 57.4

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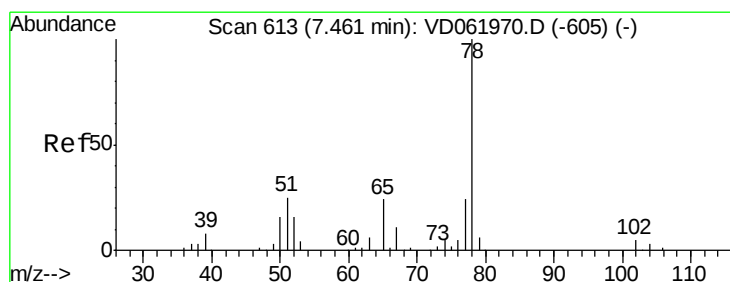
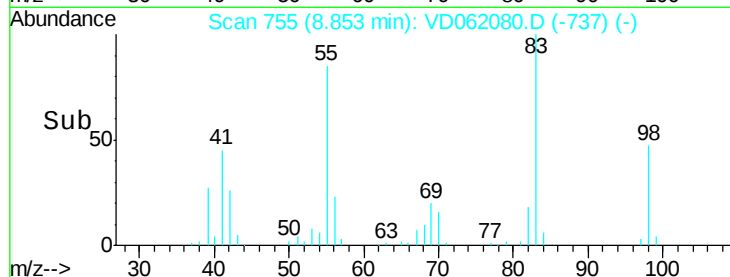
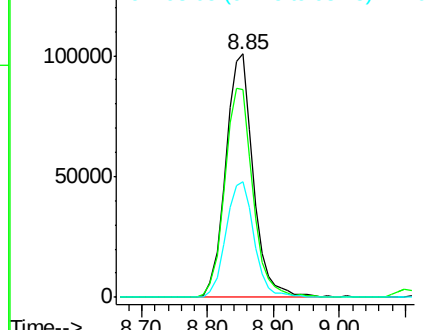
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Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 45.298 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD062080.D

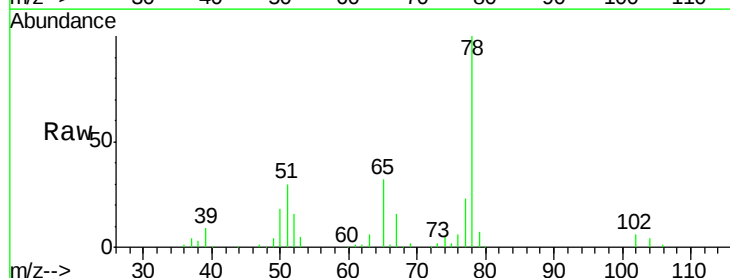
Acq: 30 Apr 2019 00:22

Tgt Ion: 78 Resp: 683387

Ion Ratio Lower Upper

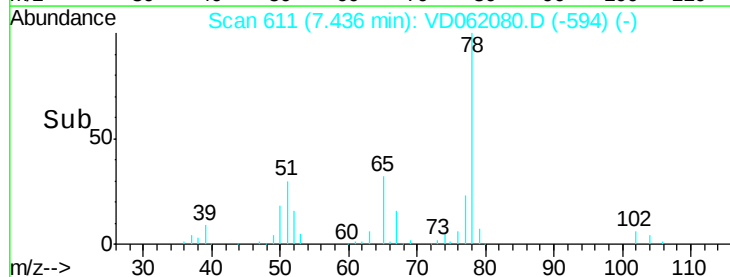
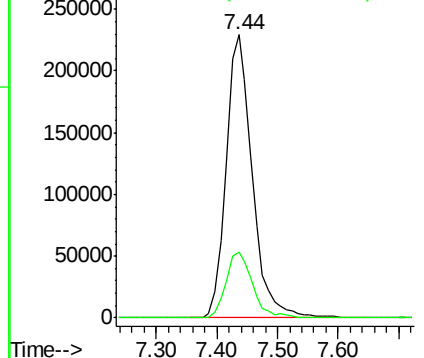
78 100

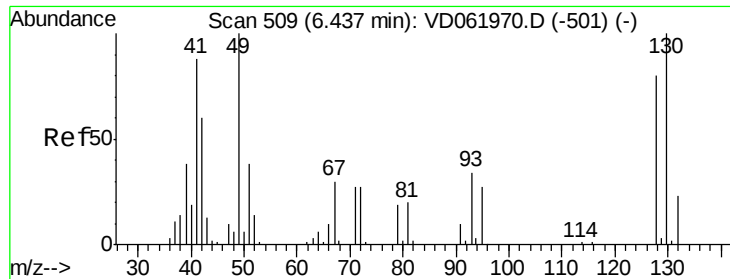
77 23.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





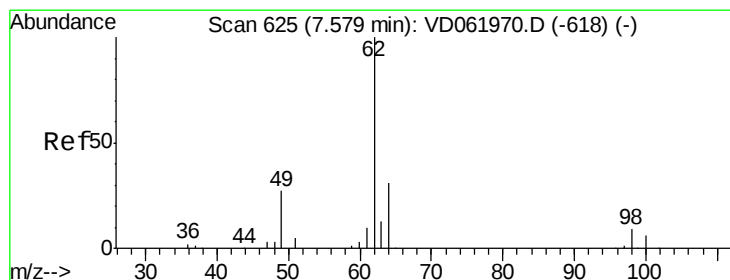
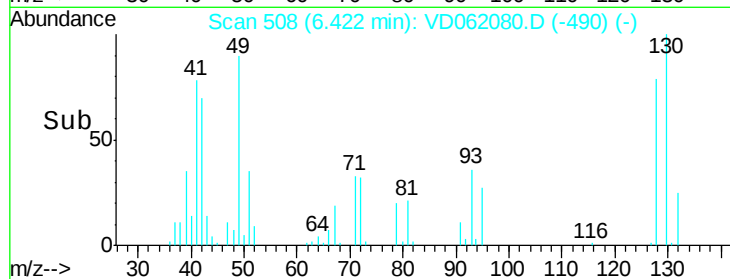
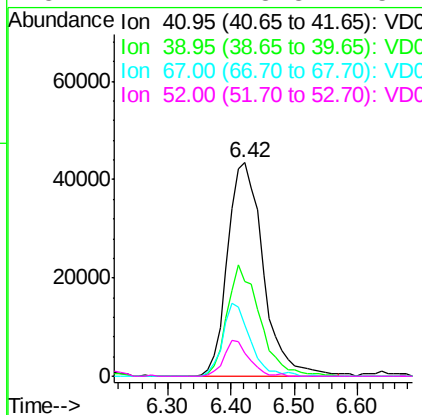
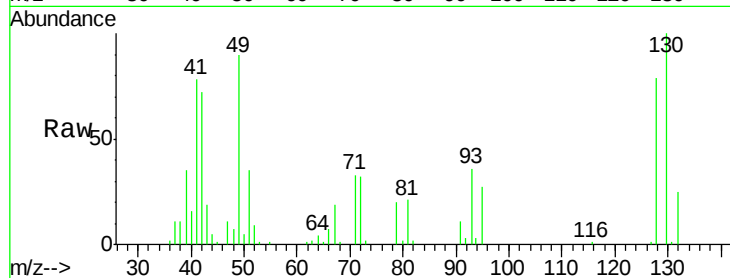
#41
Methacrylonitrile
Concen: 56.099 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		169978		
39	44.4	34.1	51.1		
67	24.0	23.8	35.6		
52	11.1	8.8	13.2		

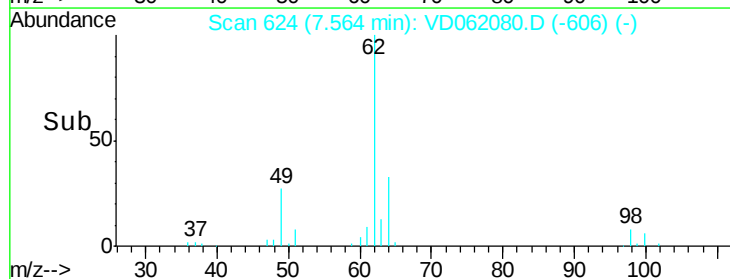
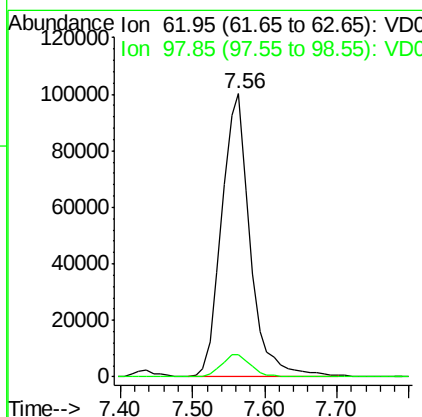
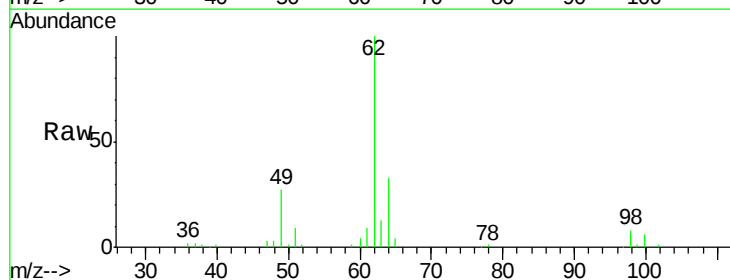
Manual Integrations
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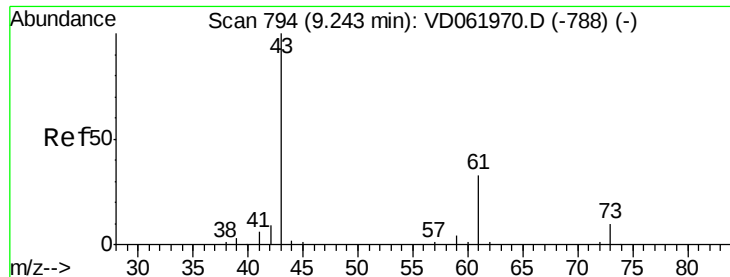
MMDadoda
5/1/2019 9:27:56 AM



#42
1,2-Dichloroethane
Concen: 53.631 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		274724		
98	8.1	0.0	17.8		





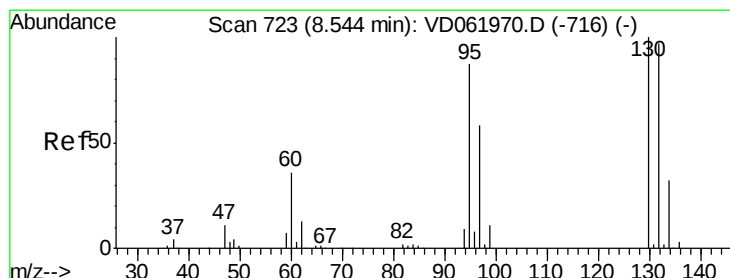
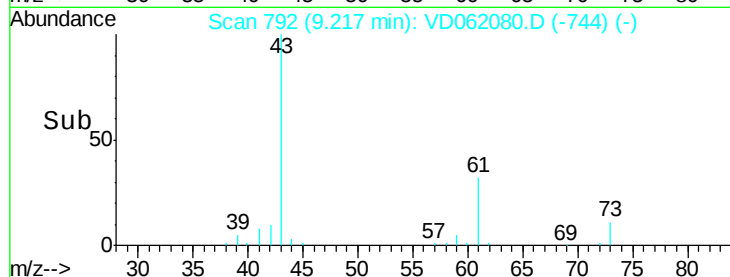
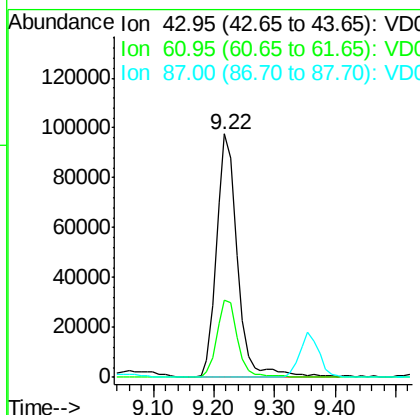
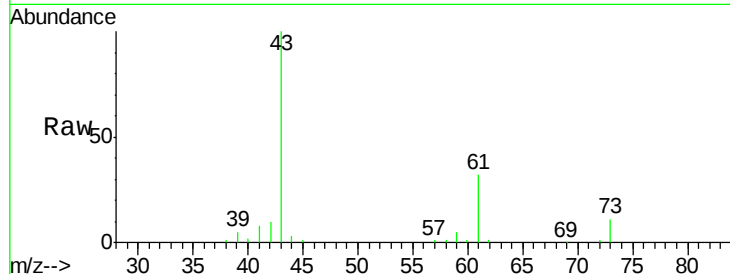
#43
Isopropyl Acetate
Concen: 61.727 ug/l
RT: 9.22 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.1	37.7
87	0.0	0.0	0.0

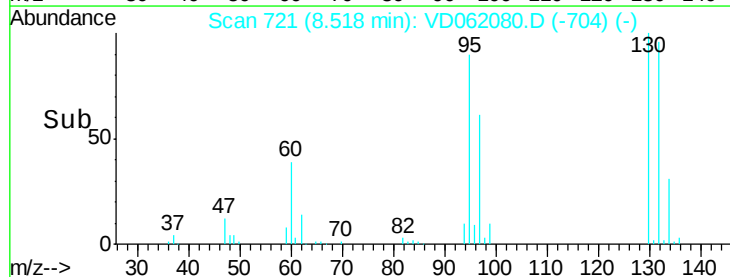
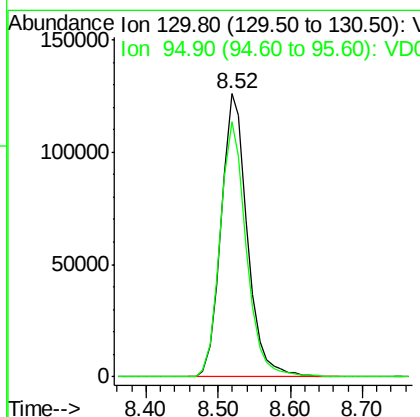
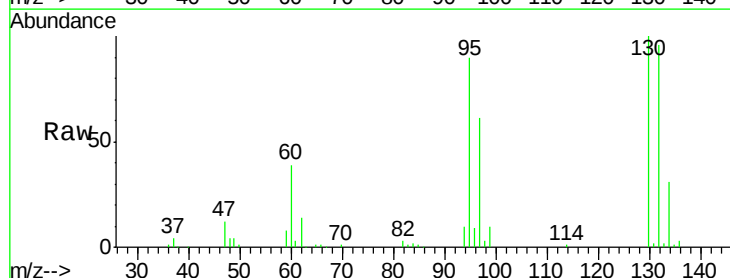
Manual Integrations
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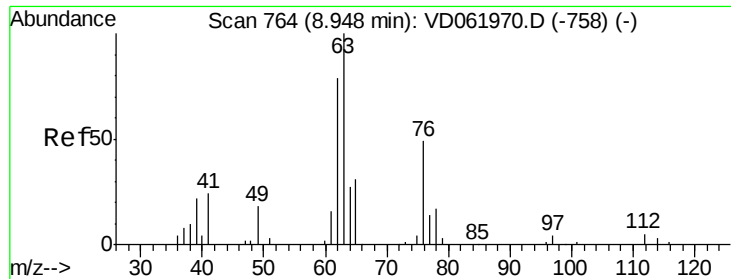
MMDadoda
5/1/2019 9:27:56 AM



#44
Trichloroethene
Concen: 53.899 ug/l
RT: 8.52 min Scan# 721
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	174.0





#45

1,2-Dichloropropane

Concen: 53.028 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 202954

Ion Ratio Lower Upper

63 100

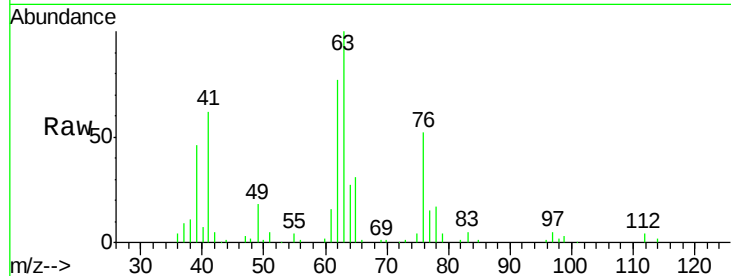
65 30.5 23.8 35.6

Manual Integrations

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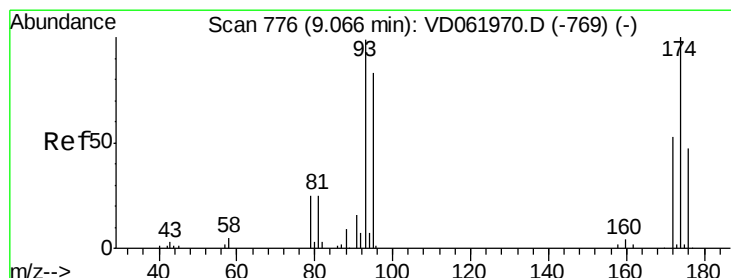
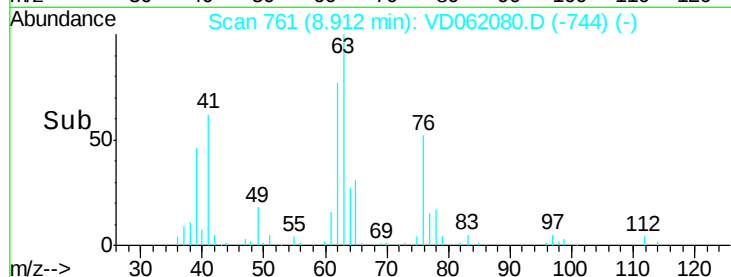
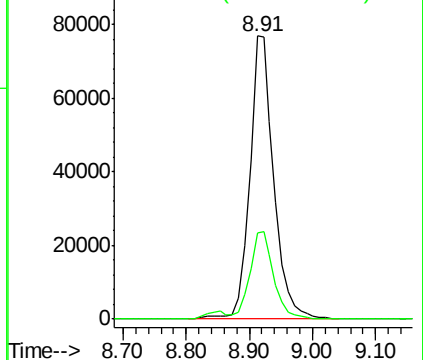
MMDadoda

5/1/2019 9:27:56 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 57.009 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

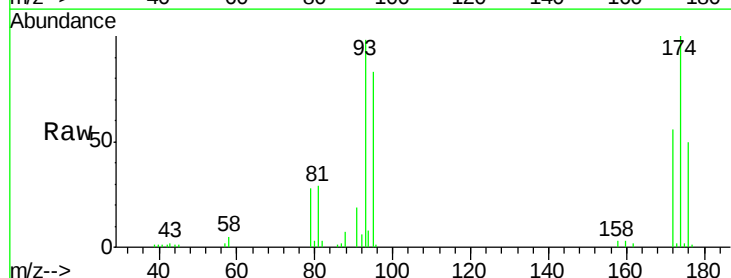
Tgt Ion: 93 Resp: 157002

Ion Ratio Lower Upper

93 100

95 84.6 64.8 97.2

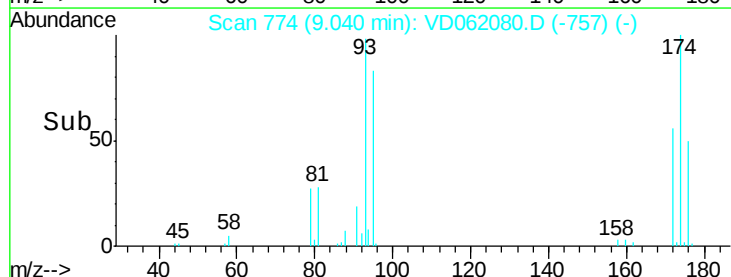
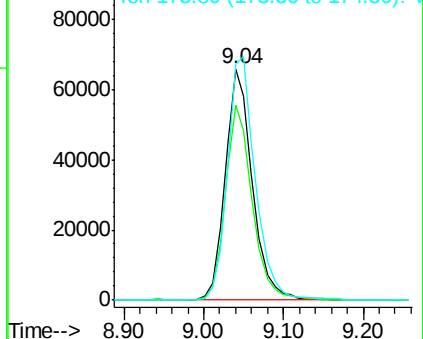
174 101.8 79.3 118.9

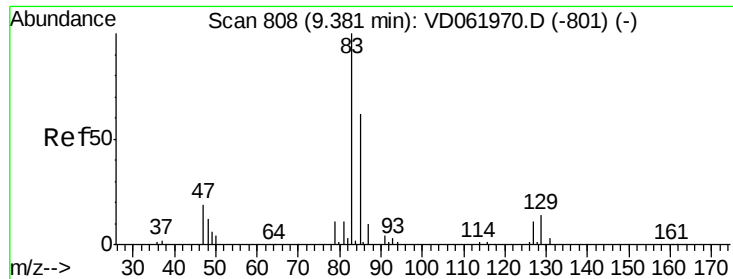


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 59.431 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

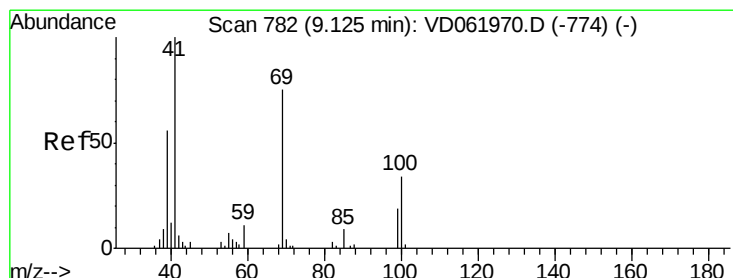
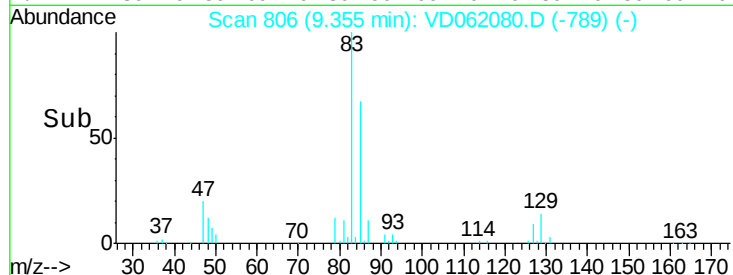
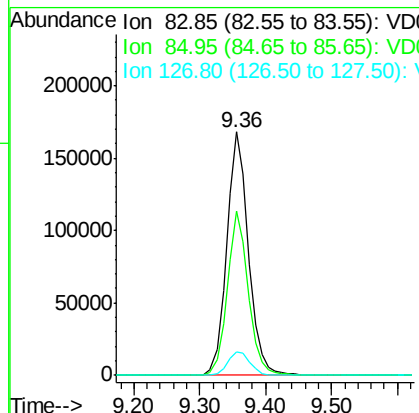
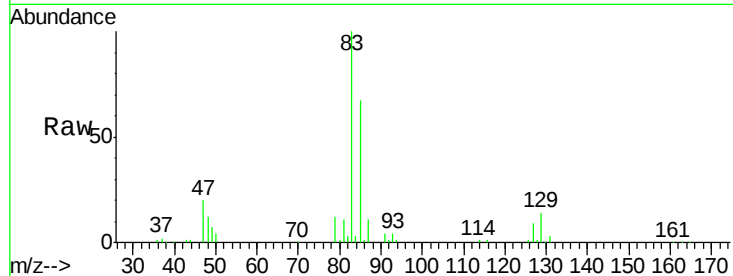
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	386730
Ion Ratio	Lower	Upper	
83	100		
85	67.4	50.9	76.3
127	9.5	8.1	12.1

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#48

Methyl methacrylate

Concen: 56.546 ug/l

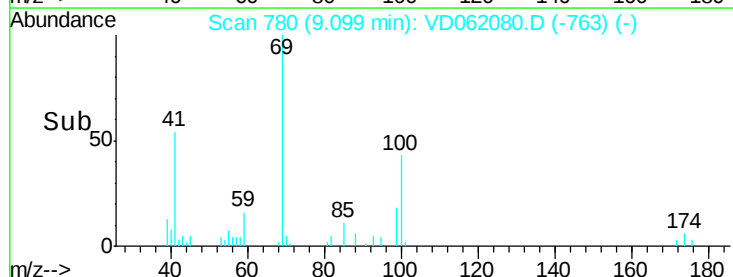
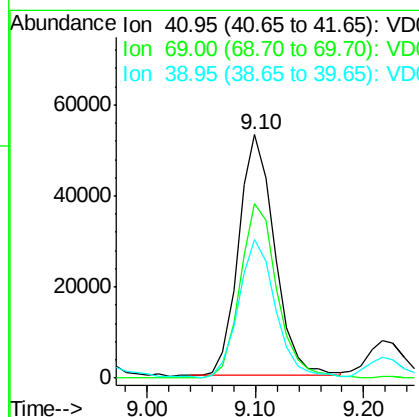
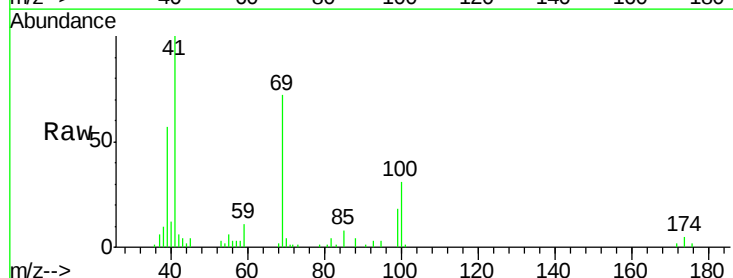
RT: 9.10 min Scan# 780

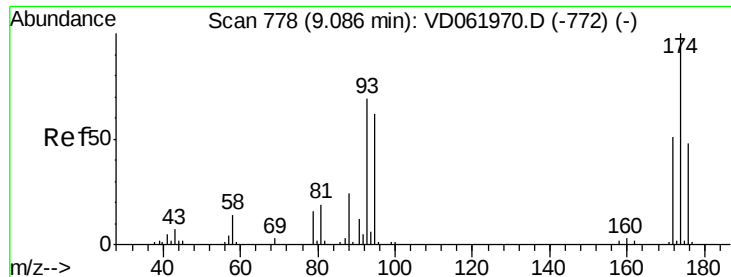
Delta R.T. -0.03 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tgt Ion:	41	Resp:	122416
Ion Ratio	Lower	Upper	
41	100		
69	71.9	64.2	96.2
39	56.9	46.8	70.2





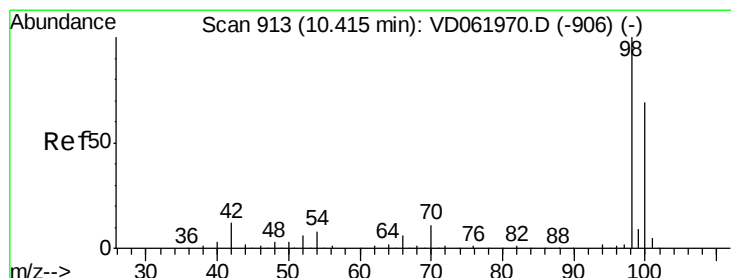
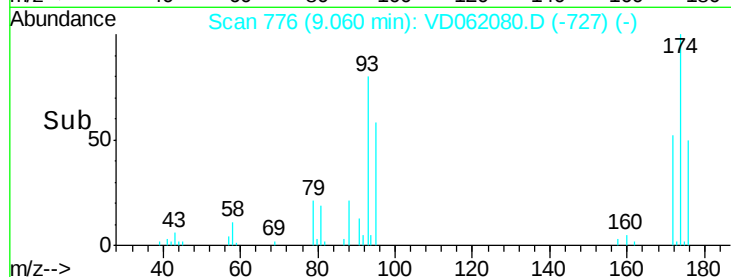
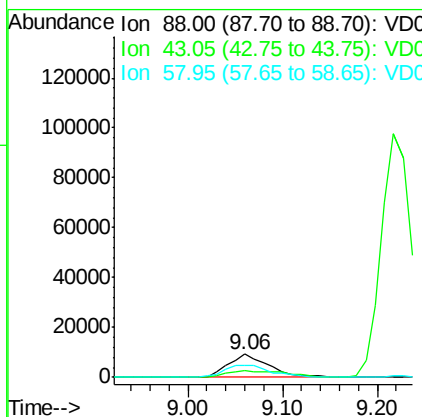
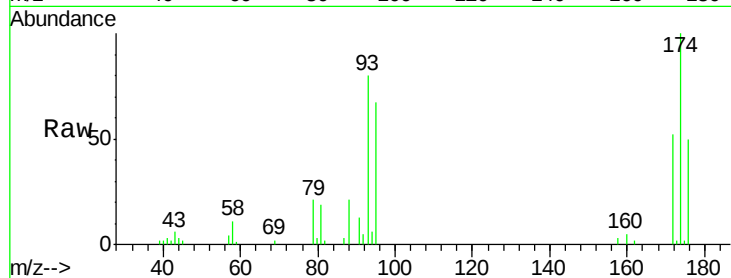
#49
1,4-Dioxane
Concen: 1177.456 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	27482
Ion Ratio	100	Lower	Upper
88	100		
43	28.1	23.4	35.0
58	53.0	44.0	66.0

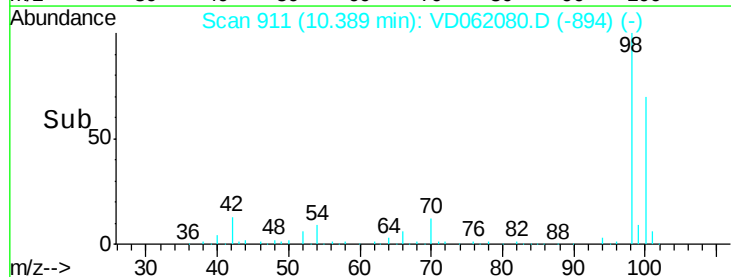
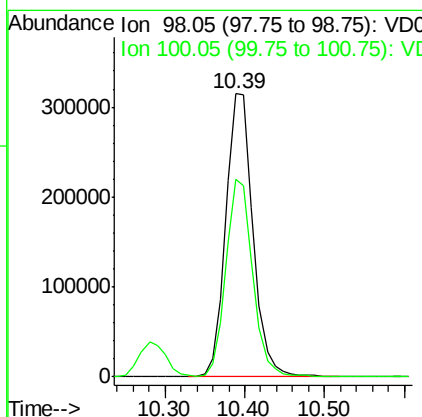
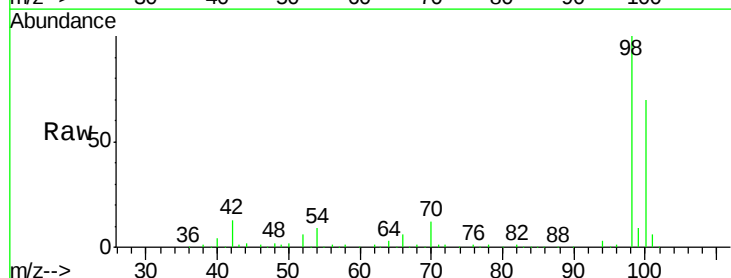
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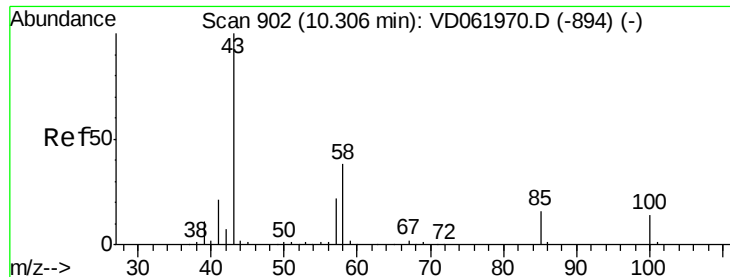
MMDadoda
5/1/2019 9:27:56 AM



#50
Toluene-d8
Concen: 58.707 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	98	Resp	755661
Ion Ratio	100	Lower	Upper
98	100		
100	69.9	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 310.651 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tot Ion: 43 Resp: 720857

Ion Ratio Lower Upper

43 100

58 36.7 30.4 45.6

Instrument :

MSVOA_D

ClientSampleId :

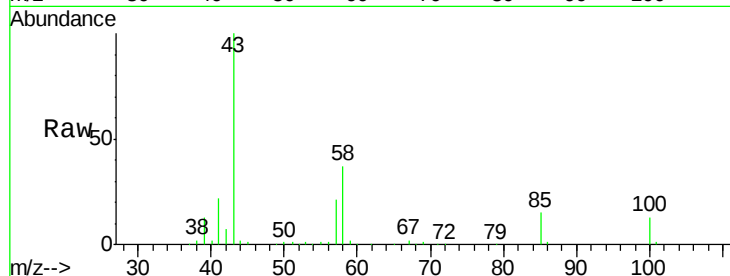
VSTDCCC050EC

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

300000

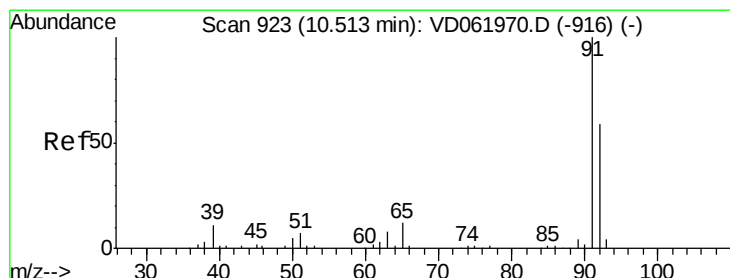
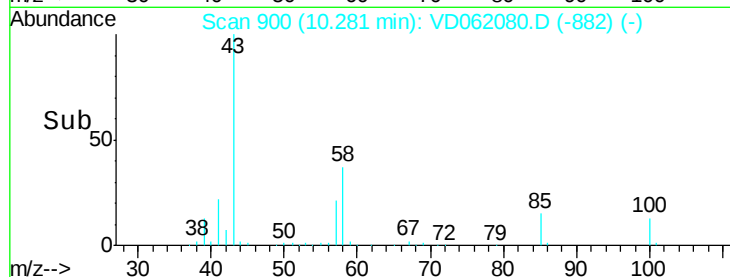
200000

100000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 52.529 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062080.D

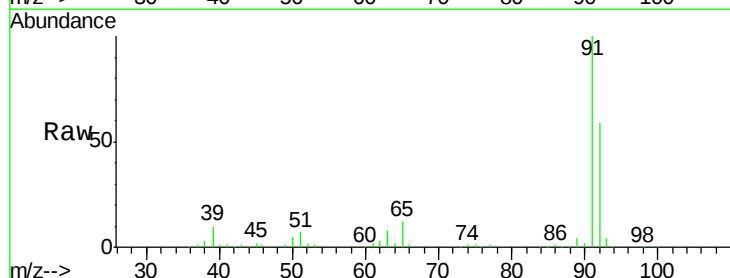
Acq: 30 Apr 2019 00:22

Tgt Ion: 92 Resp: 505298

Ion Ratio Lower Upper

92 100

91 170.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

400000

300000

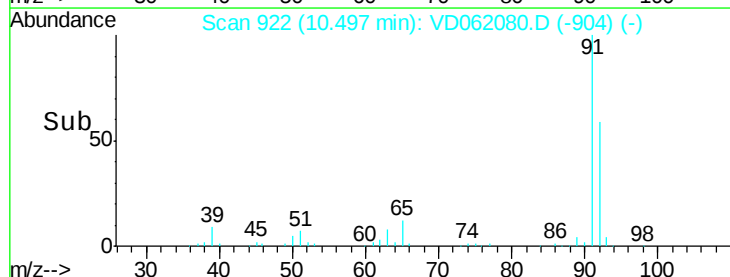
200000

100000

0

Time-->

10.40 10.50 10.60





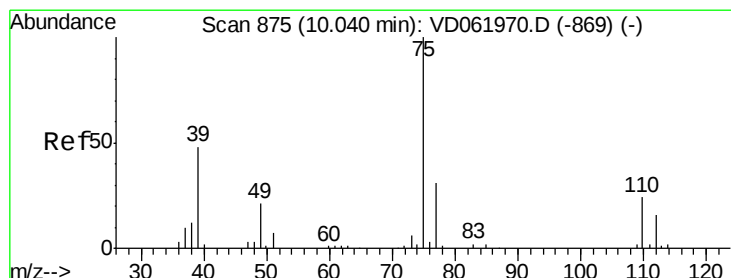
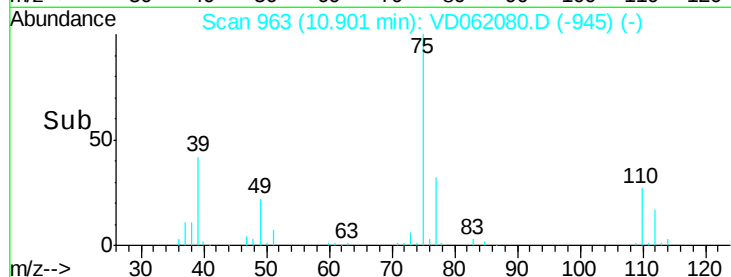
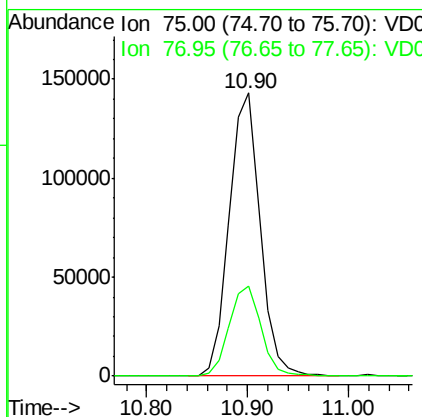
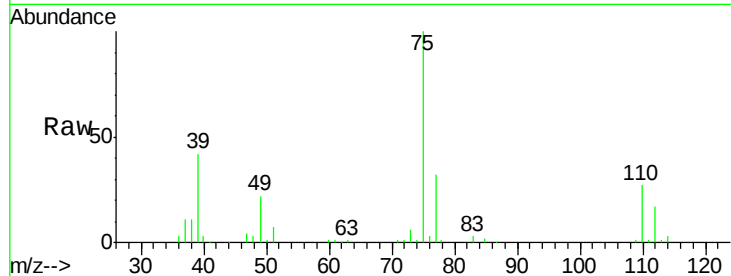
#53
 t-1,3-Dichloropropene
 Concen: 55.951 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 305606
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8

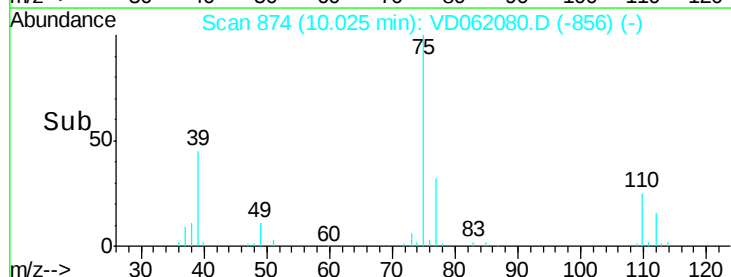
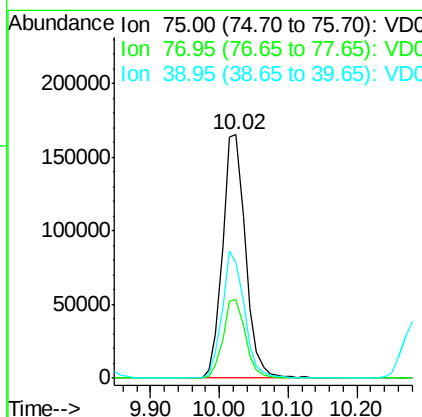
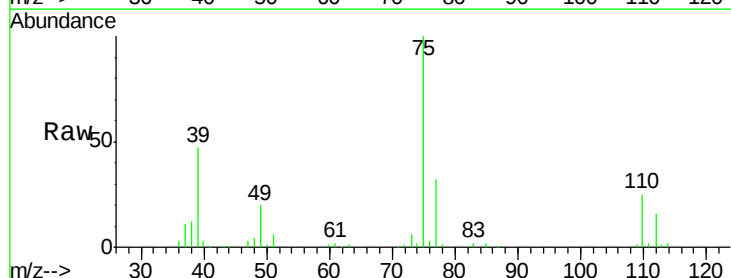
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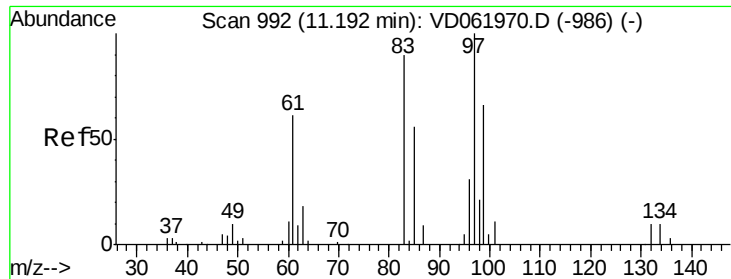
MMDadoda
 5/1/2019 9:27:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 57.647 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Tgt Ion: 75 Resp: 382959
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3
 39 47.3 39.4 59.2





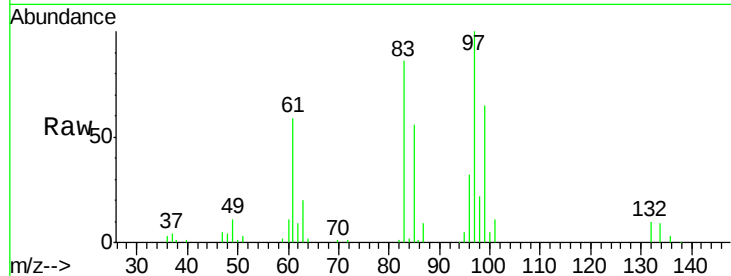
#55
 1,1,2-Trichloroethane
 Concen: 56.987 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

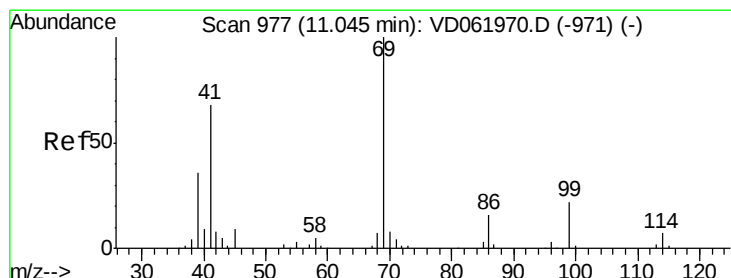
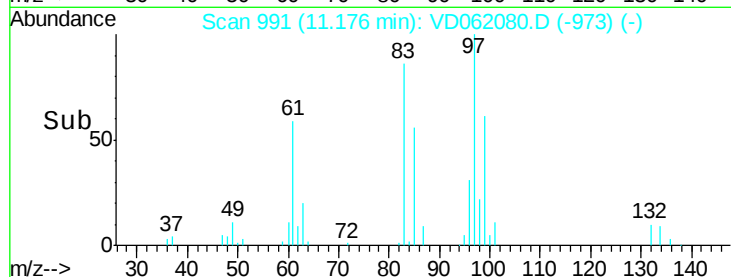
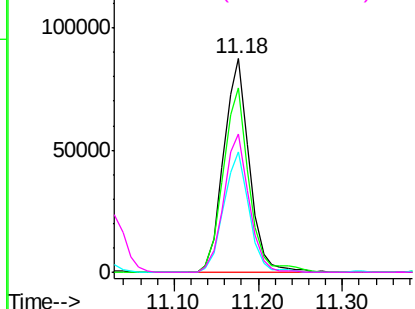
Tot Ion:	97	Resp:	184036
Ion	Ratio	Lower	Upper
97	100		
83	86.4	65.7	98.5
85	56.2	45.6	68.4
99	64.7	48.4	72.6

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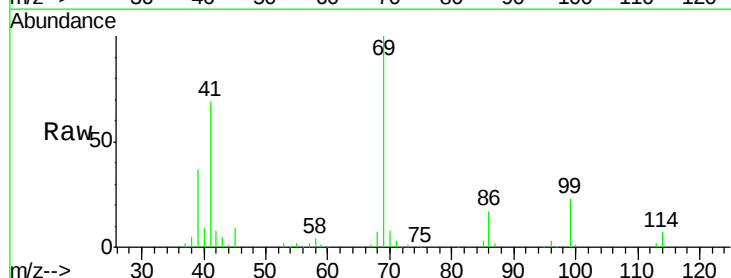


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

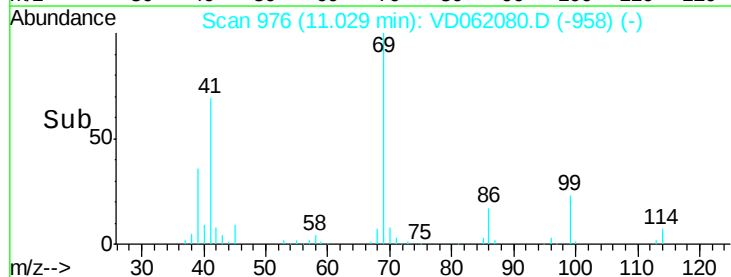
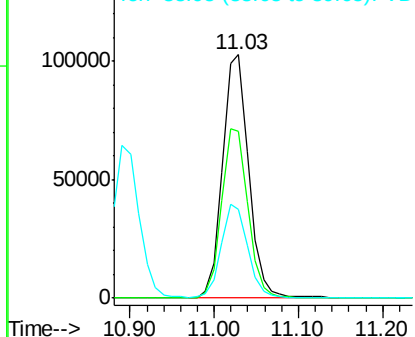


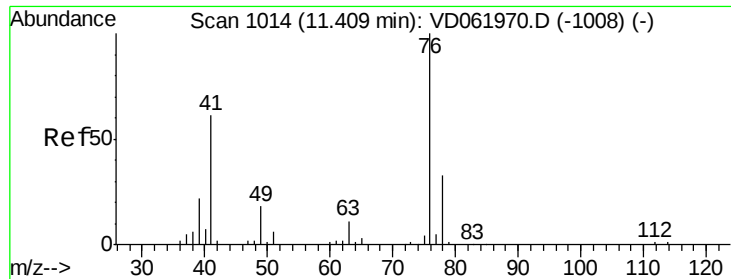
#56
 Ethyl methacrylate
 Concen: 61.788 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Tgt Ion:	69	Resp:	221001
Ion	Ratio	Lower	Upper
69	100		
41	68.6	56.3	84.5
39	36.6	29.4	44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.058 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 259655

Ion Ratio Lower Upper

76 100

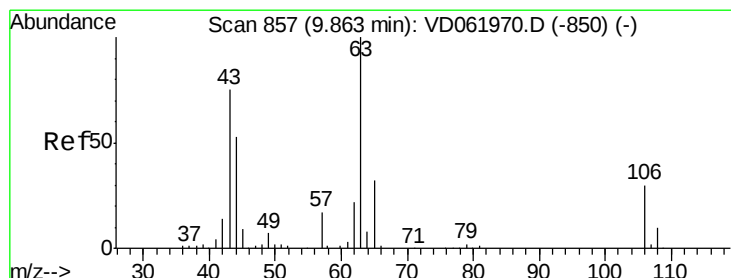
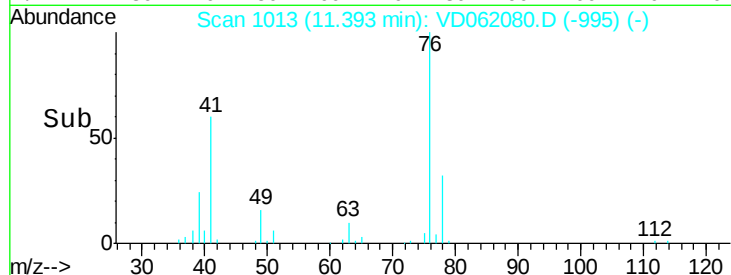
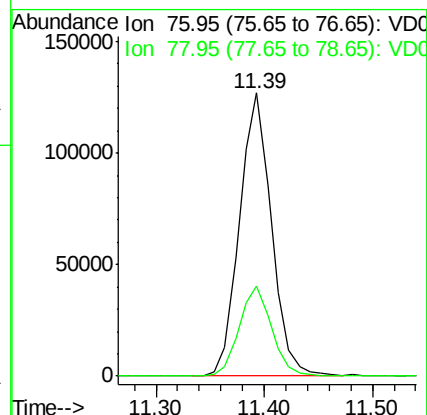
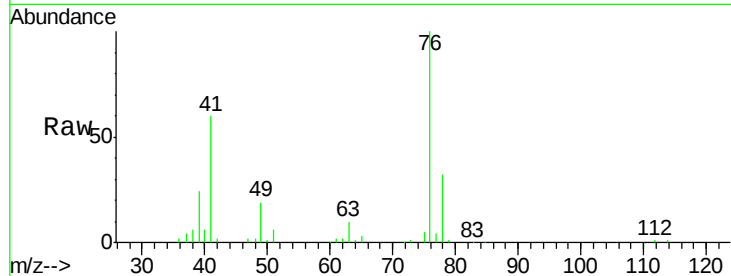
78 31.6 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 288.582 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.03 min

Lab File: VD062080.D

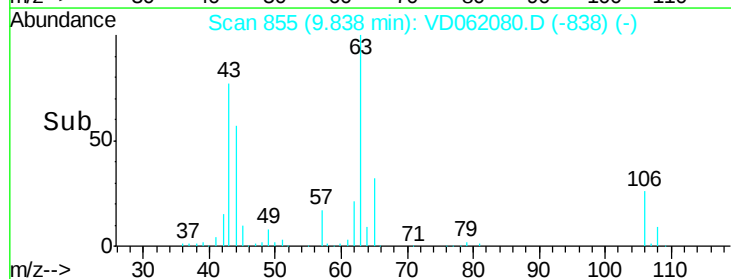
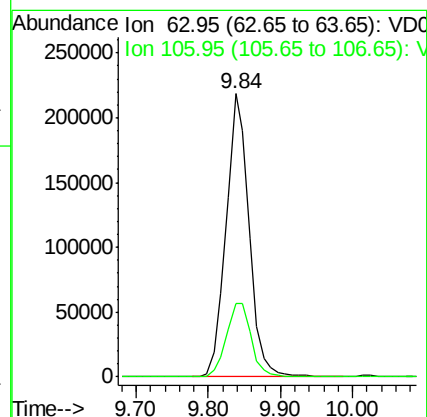
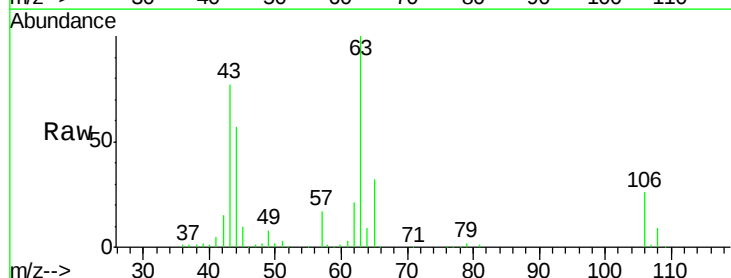
Acq: 30 Apr 2019 00:22

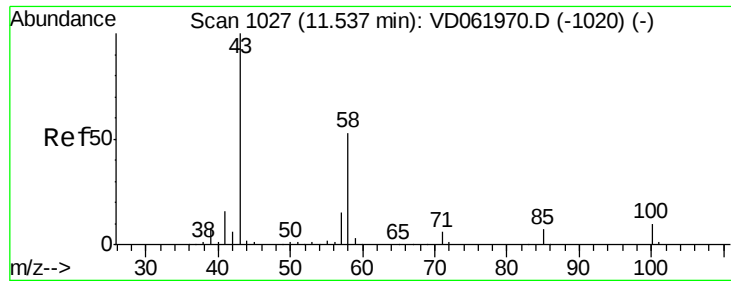
Tgt Ion: 63 Resp: 479891

Ion Ratio Lower Upper

63 100

106 25.9 22.6 34.0





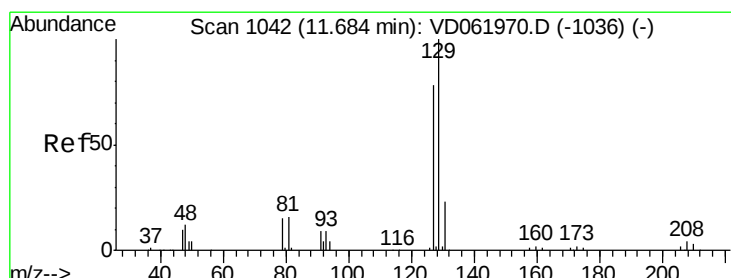
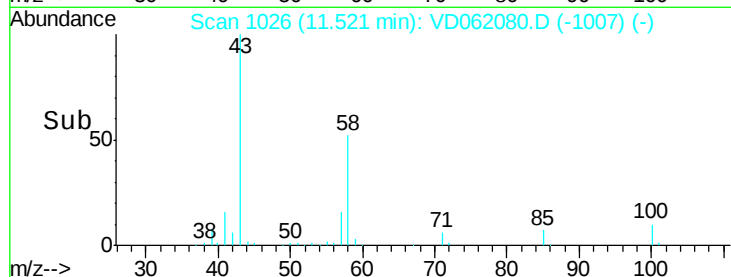
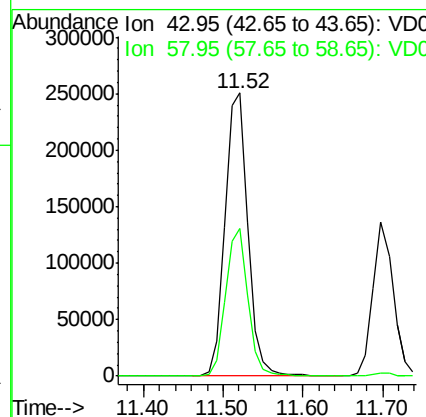
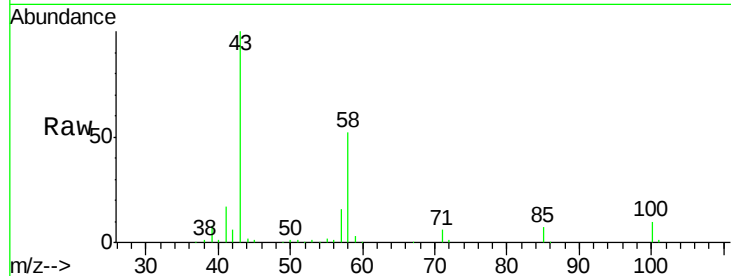
#59
2-Hexanone
Concen: 292.676 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 509457
Ion Ratio Lower Upper
43 100
58 52.0 25.4 76.4

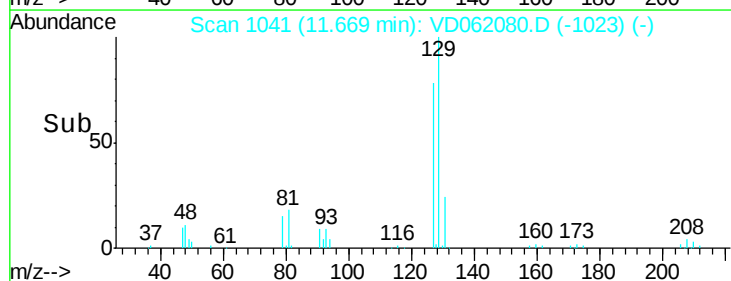
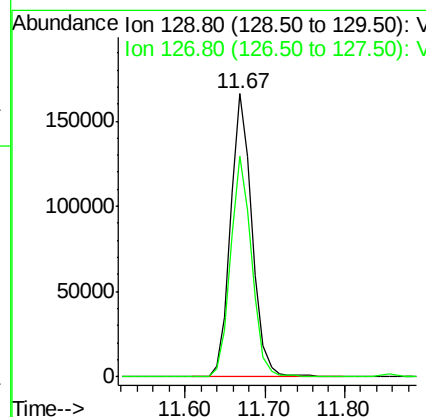
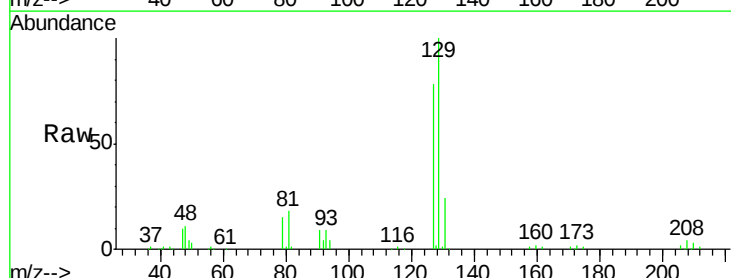
Manual Integrations
APPROVED

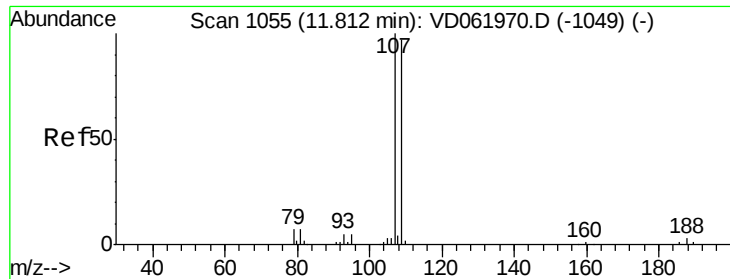
MMDadoda
5/1/2019 9:27:56 AM



#60
Dibromochloromethane
Concen: 59.151 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion: 129 Resp: 316076
Ion Ratio Lower Upper
129 100
127 78.1 38.0 113.9





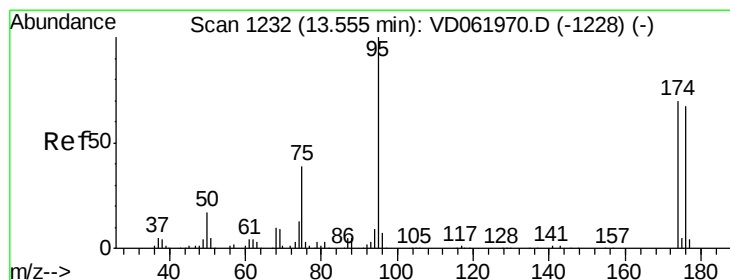
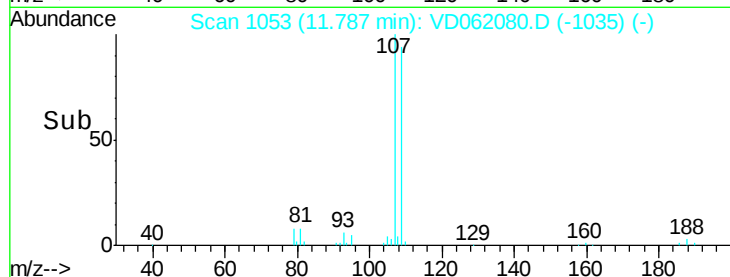
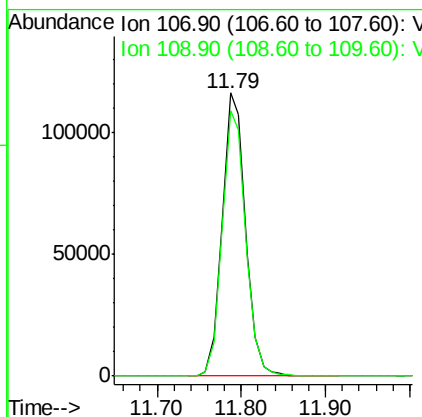
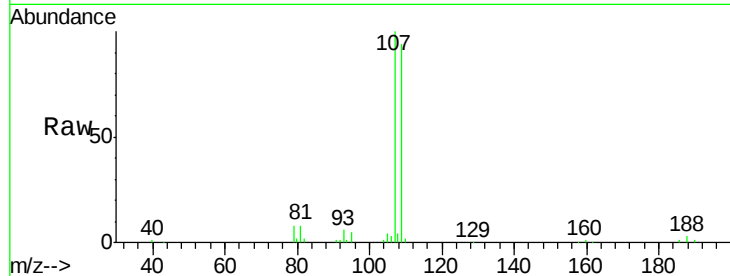
#61
 1,2-Dibromoethane
 Concen: 57.767 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	78.3	117.5

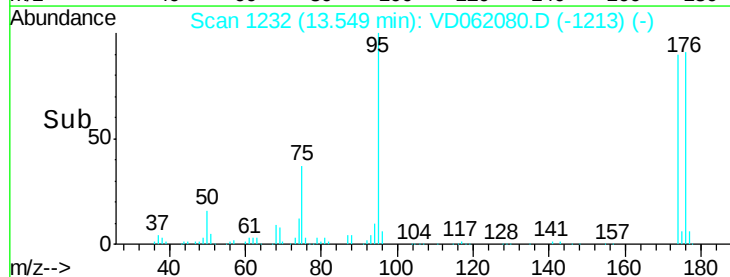
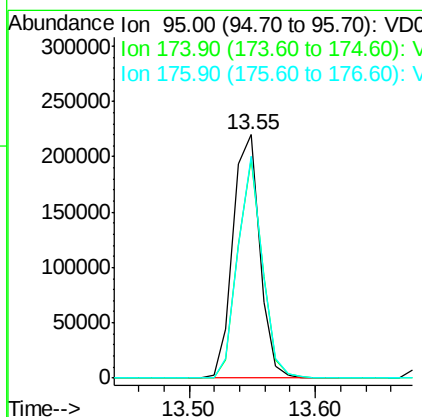
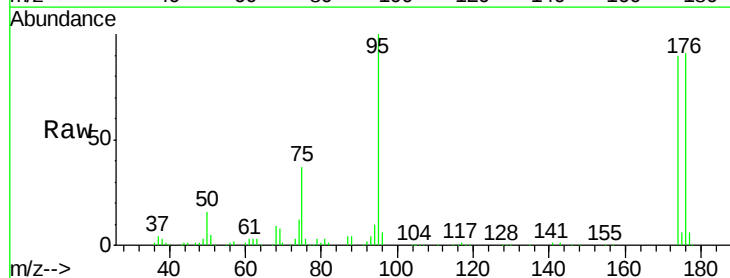
Manual Integrations
 APPROVED

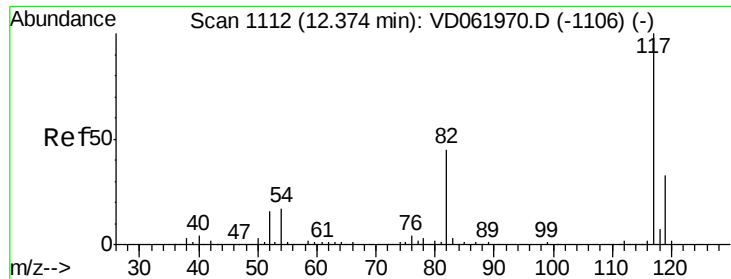
MMDadoda
 5/1/2019 9:27:56 AM



#62
 4-Bromofluorobenzene
 Concen: 62.231 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	181.8
176	91.3	0.0	174.4





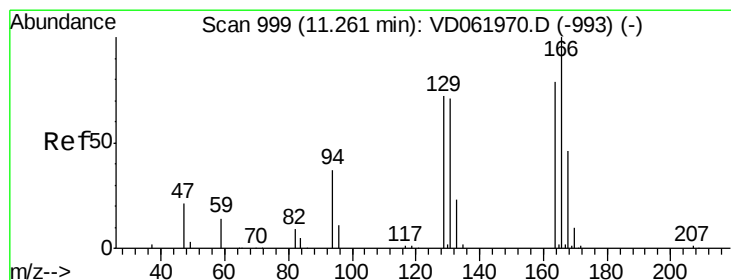
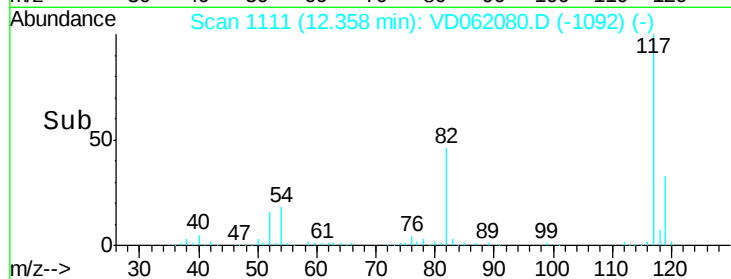
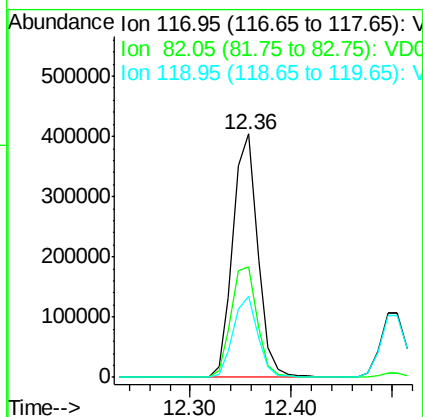
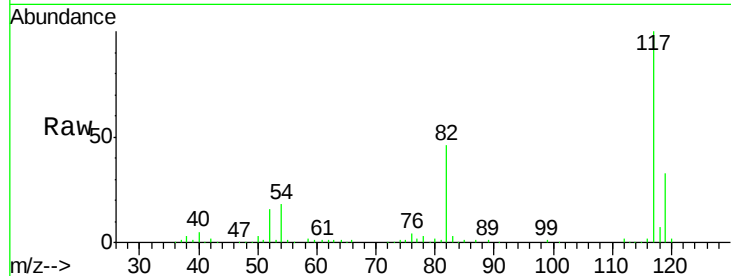
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.6	36.2	54.2
119	33.2	26.2	39.4

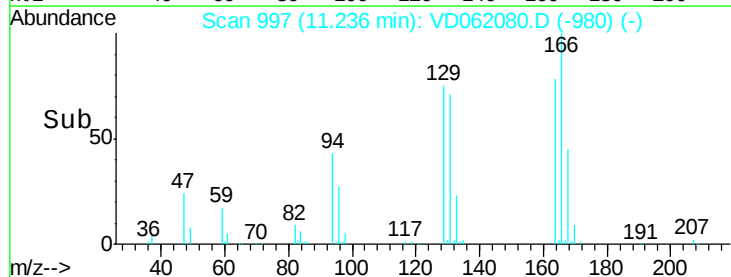
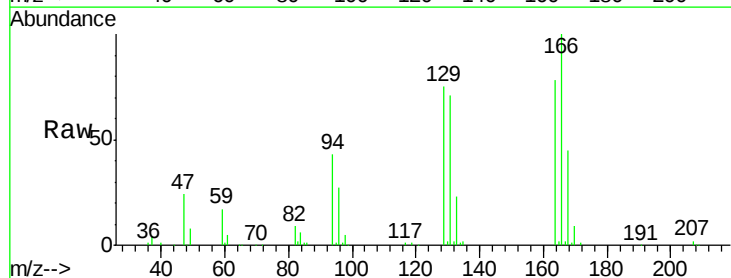
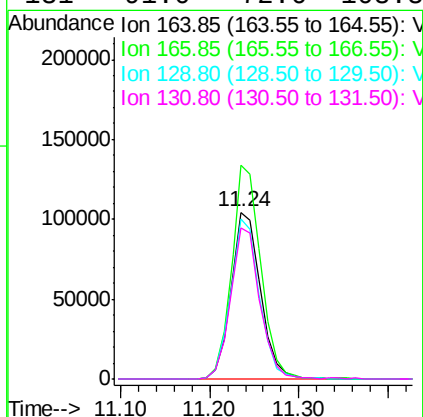
Manual Integrations
APPROVED

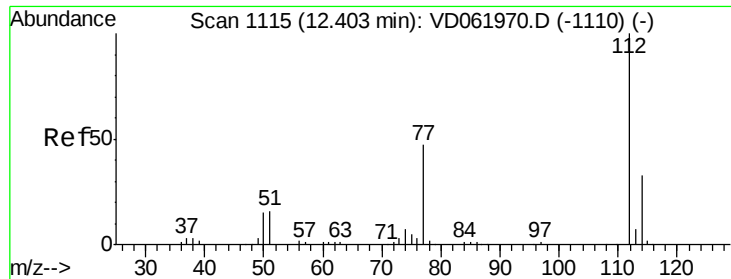
MMDadoda
5/1/2019 9:27:56 AM



#64
Tetrachloroethene
Concen: 48.600 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.03 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.5	152.3
129	96.3	74.6	112.0
131	91.0	72.6	108.8





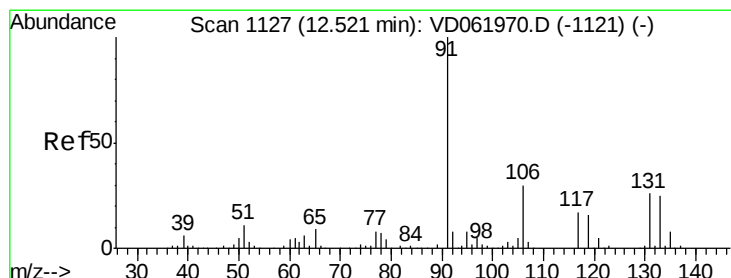
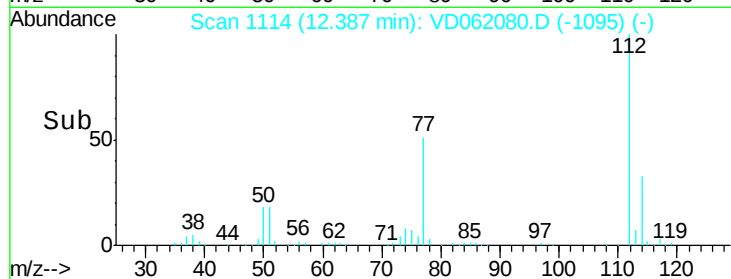
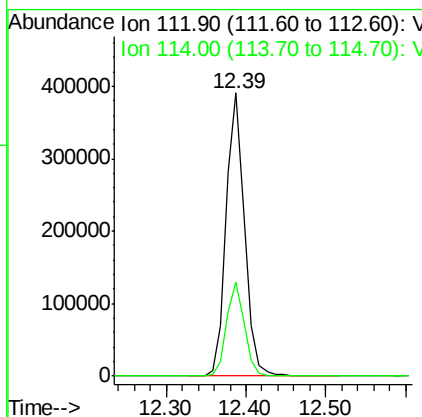
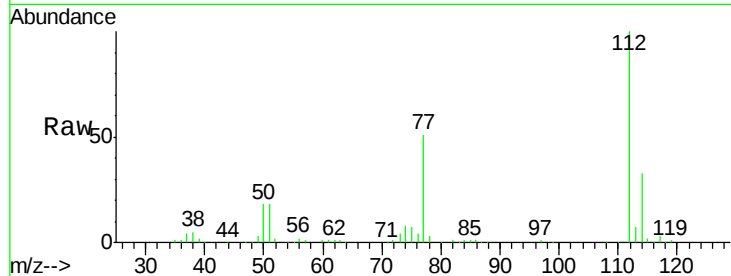
#65
Chlorobenzene
Concen: 48.579 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 637356
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8

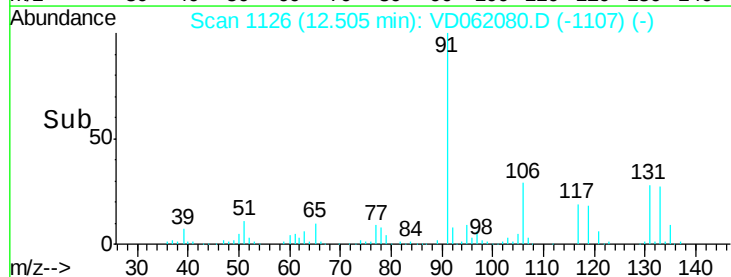
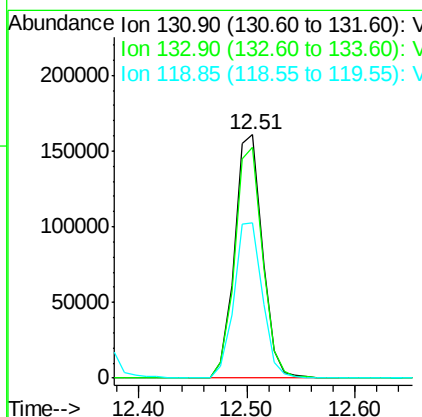
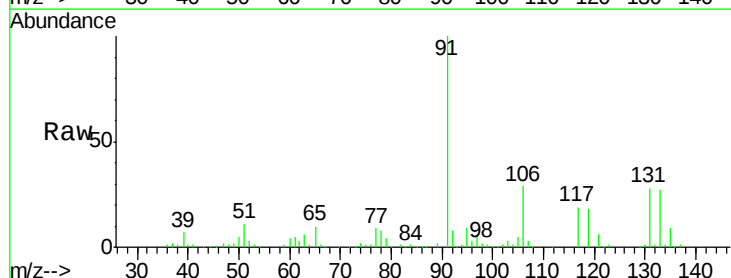
Manual Integrations
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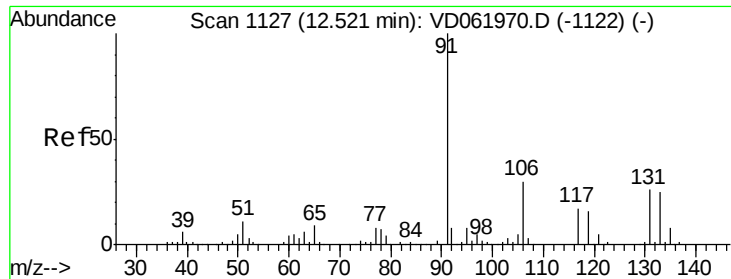
MMDadoda
5/1/2019 9:27:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.632 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion:131 Resp: 287339
Ion Ratio Lower Upper
131 100
133 95.0 48.6 145.8
119 64.0 34.7 104.1





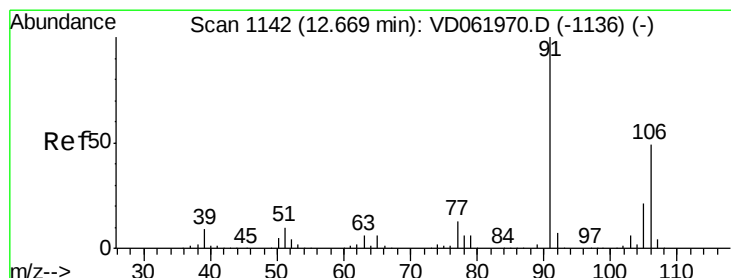
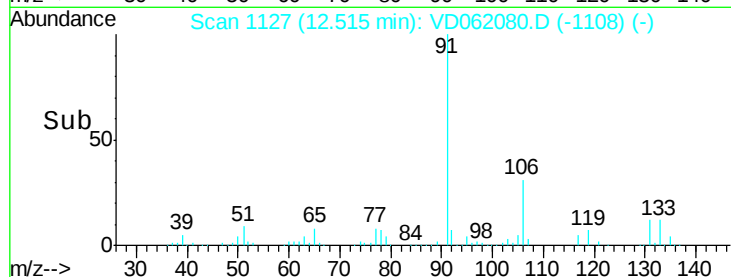
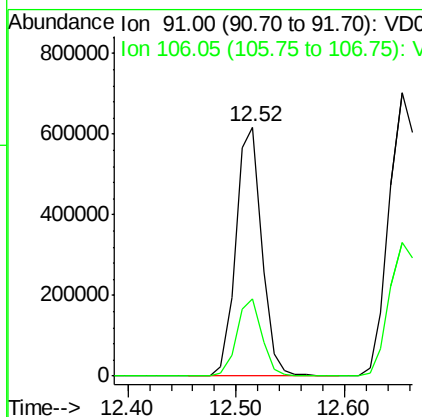
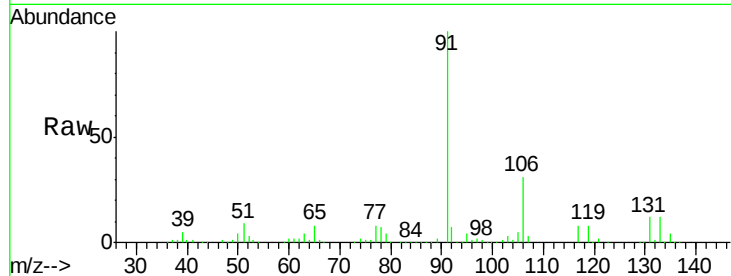
#67
Ethyl Benzene
Concen: 48.042 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1028785
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

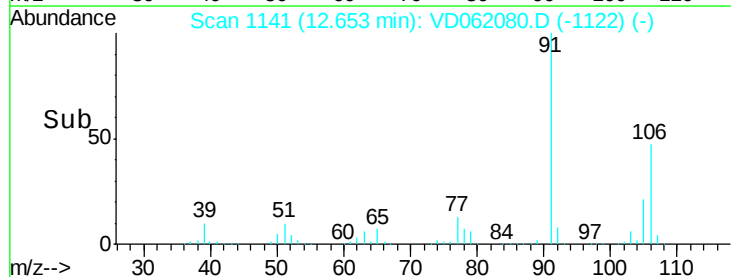
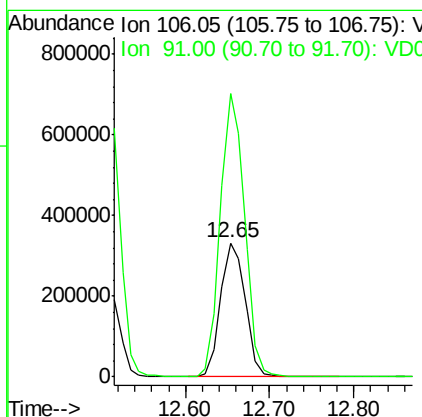
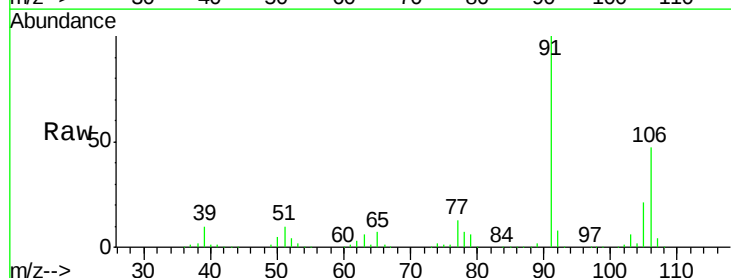
Manual Integrations
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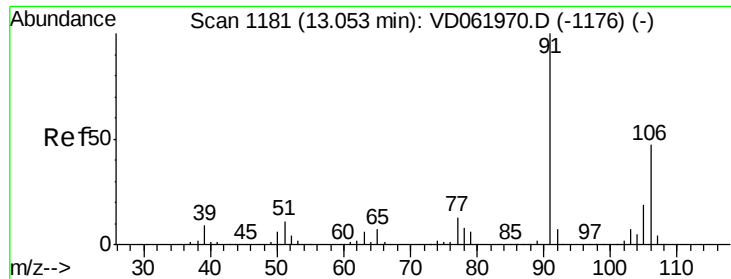
MMDadoda
5/1/2019 9:27:56 AM



#68
m/p-Xylenes
Concen: 87.369 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion: 106 Resp: 676209
Ion Ratio Lower Upper
106 100
91 211.6 164.0 246.0





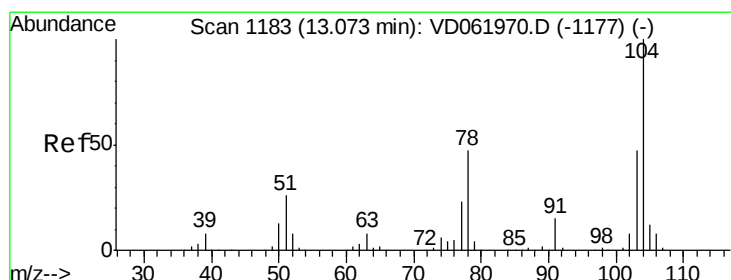
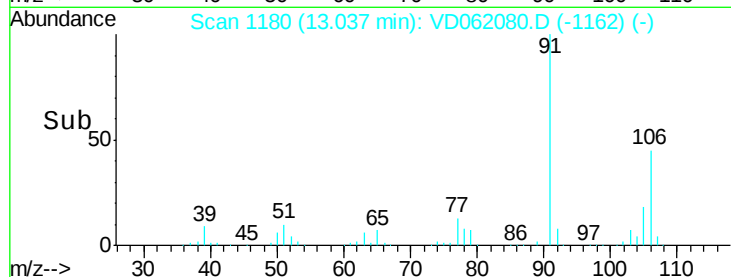
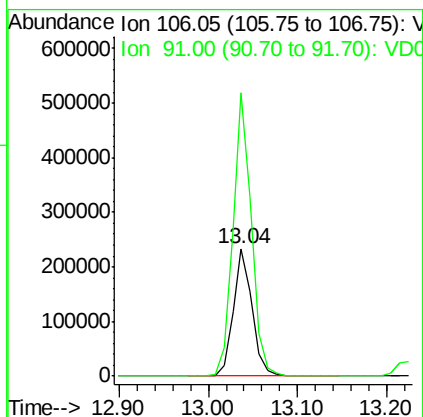
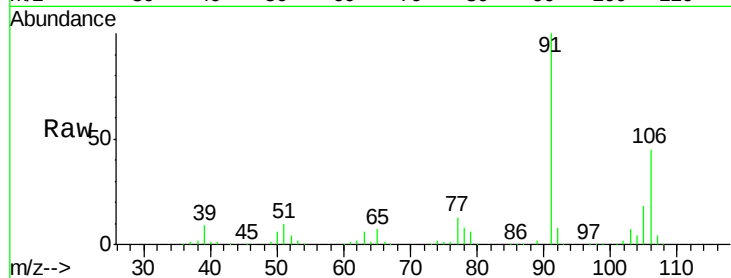
#69
o-Xylene
Concen: 48.718 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 344997
Ion Ratio Lower Upper
106 100
91 222.0 106.7 319.9

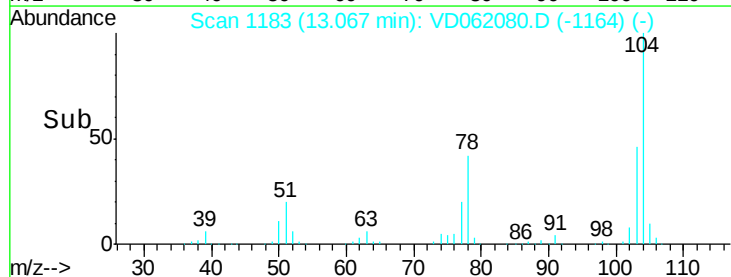
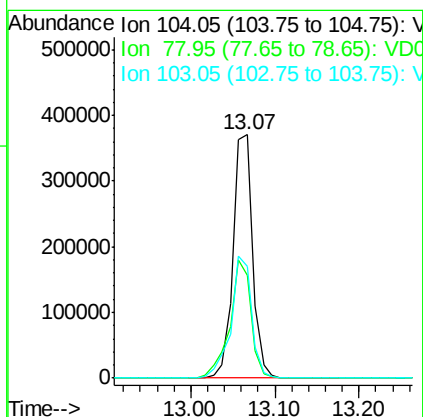
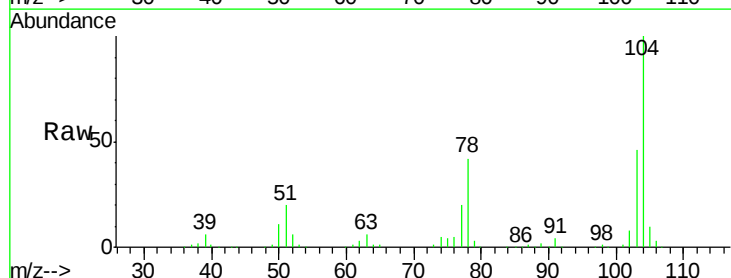
Manual Integrations
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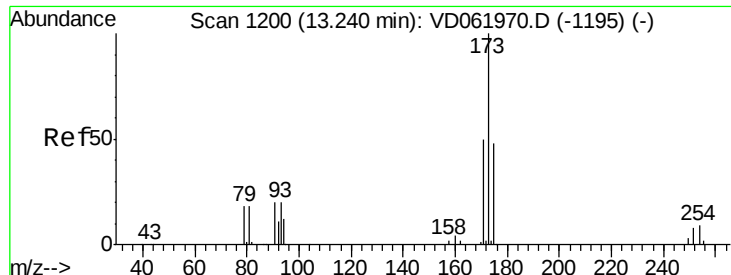
MMDadoda
5/1/2019 9:27:56 AM



#70
Styrene
Concen: 48.846 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion:104 Resp: 597274
Ion Ratio Lower Upper
104 100
78 42.2 35.4 53.2
103 46.1 37.5 56.3





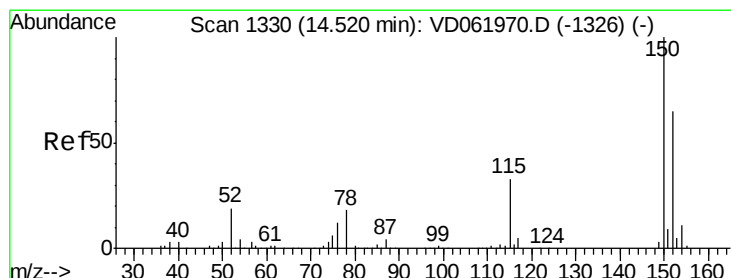
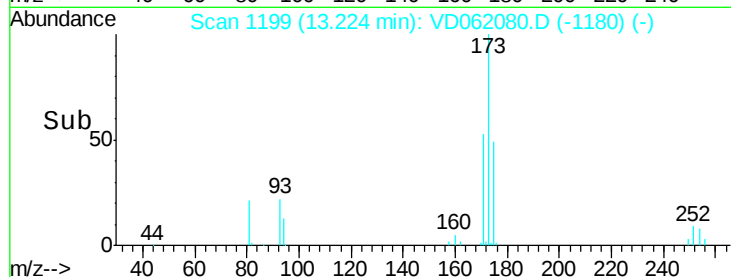
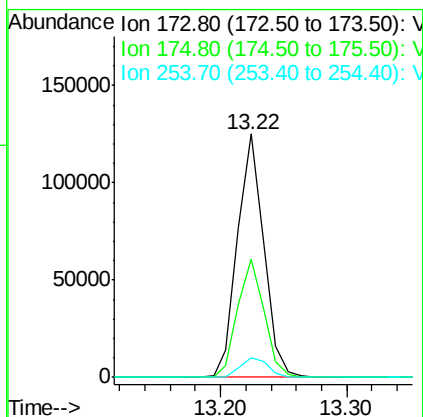
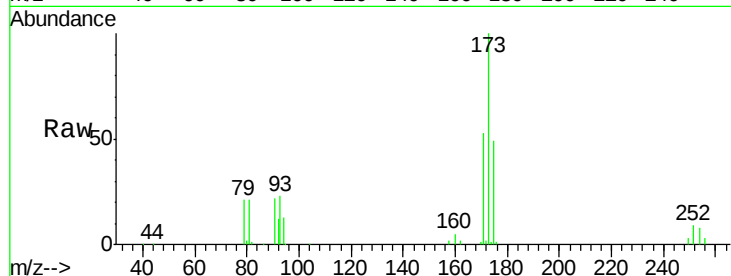
#71
Bromoform
Concen: 56.767 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.4
254	8.0	5.4	8.2

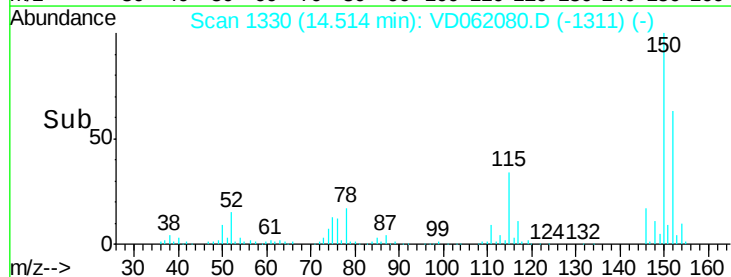
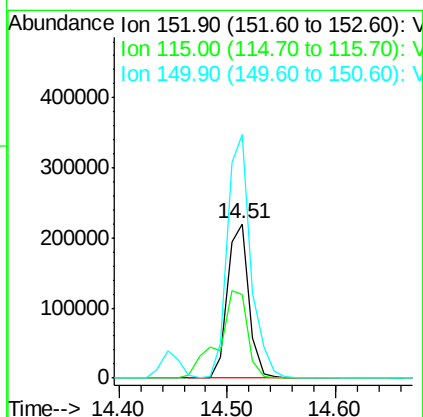
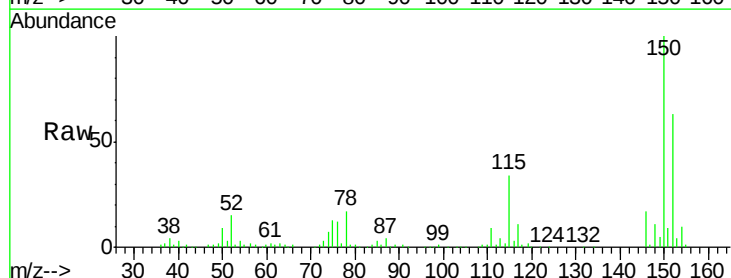
Manual Integrations
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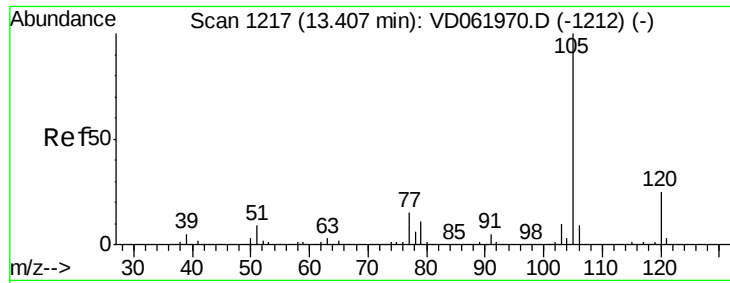
MMDadoda
5/1/2019 9:27:56 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	30.9	92.7
150	158.0	0.0	314.8





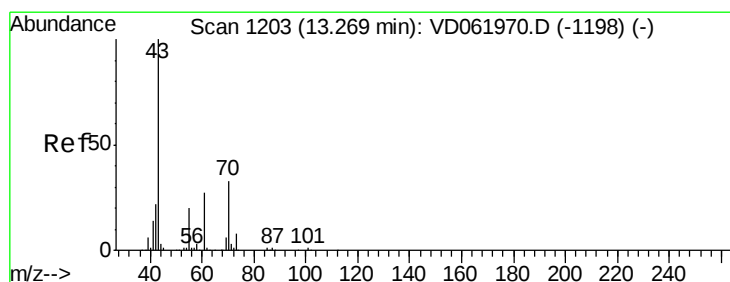
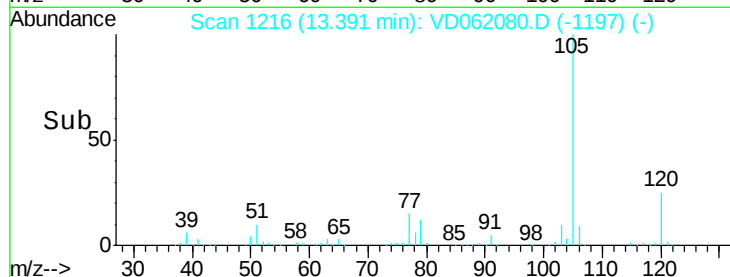
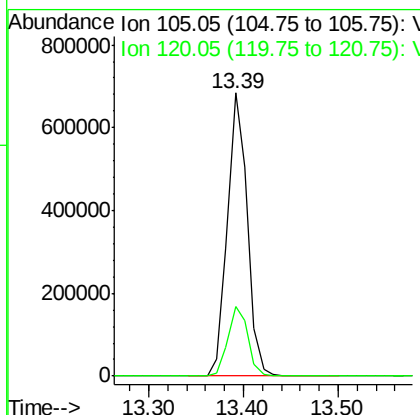
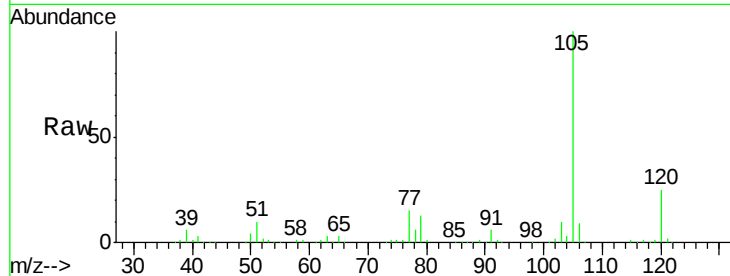
#73
Isopropylbenzene
Concen: 48.976 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 991410
Ion Ratio Lower Upper
105 100
120 24.6 12.0 36.1

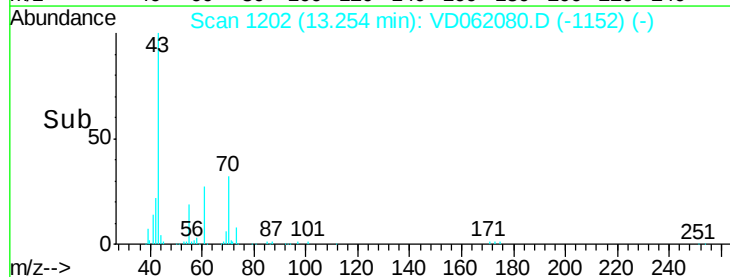
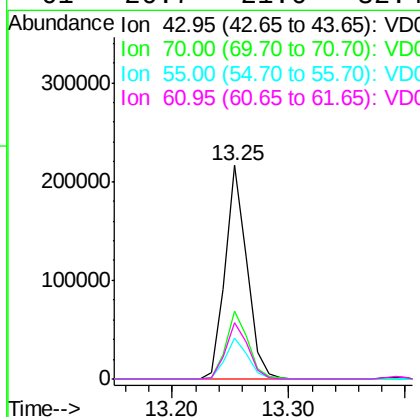
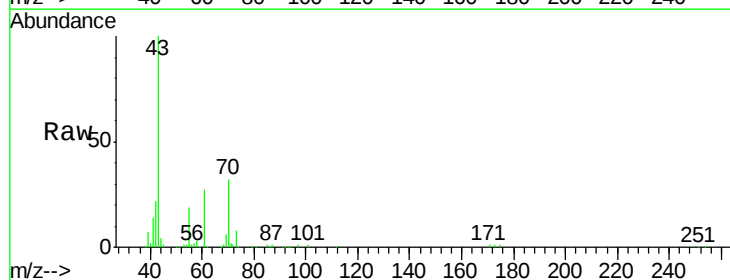
Manual Integrations
APPROVED

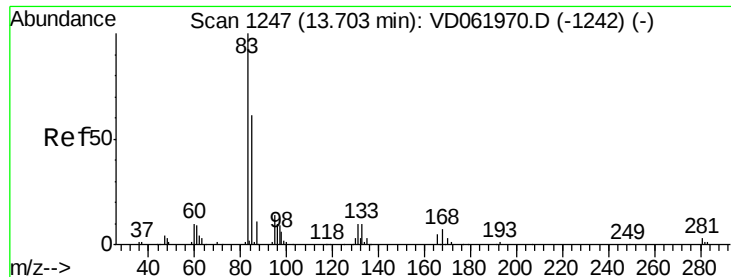
MMDadoda
5/1/2019 9:27:56 AM



#74
N-ethyl acetate
Concen: 53.530 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion: 43 Resp: 279064
Ion Ratio Lower Upper
43 100
70 31.5 24.2 36.4
55 19.1 16.0 24.0
61 26.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.356 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

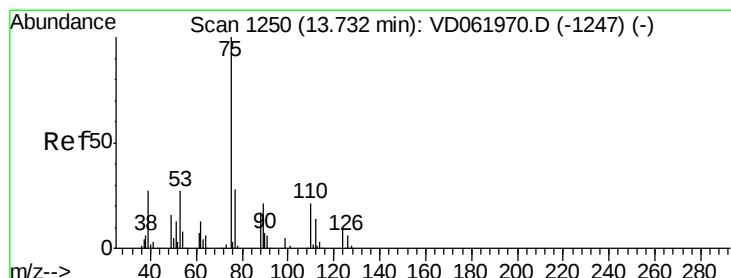
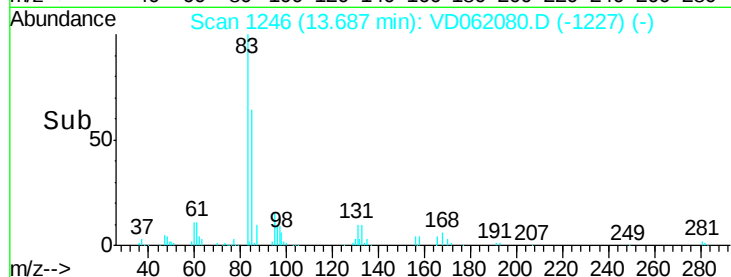
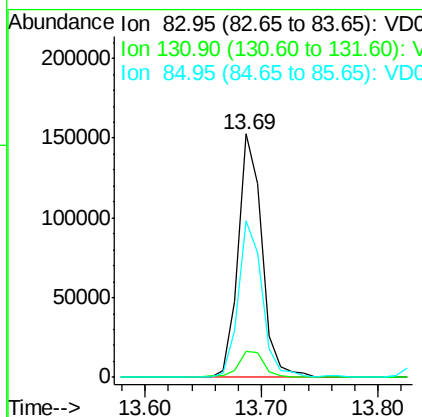
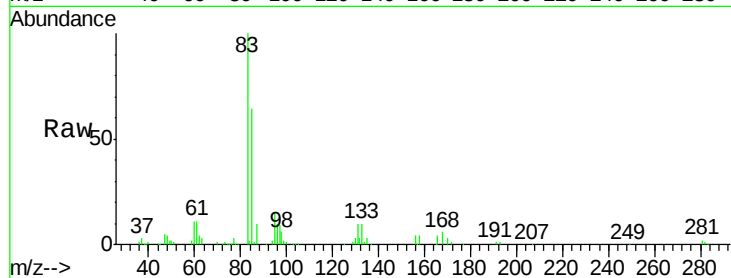
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	215619
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	14.9
85	64.2	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.706 ug/l

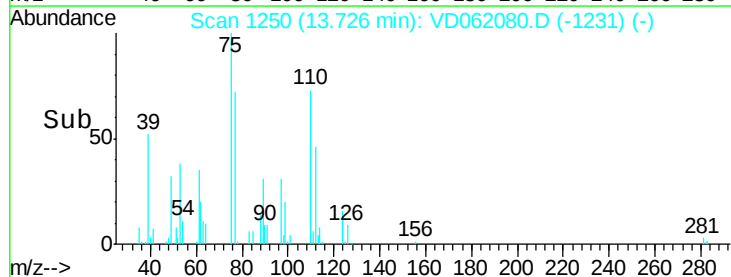
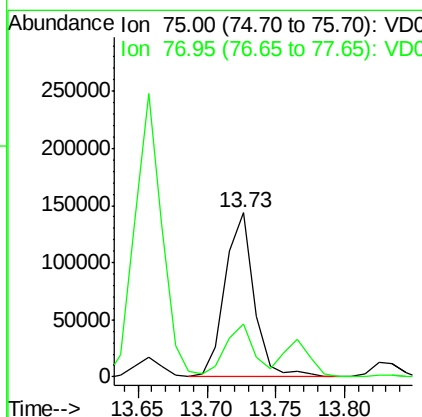
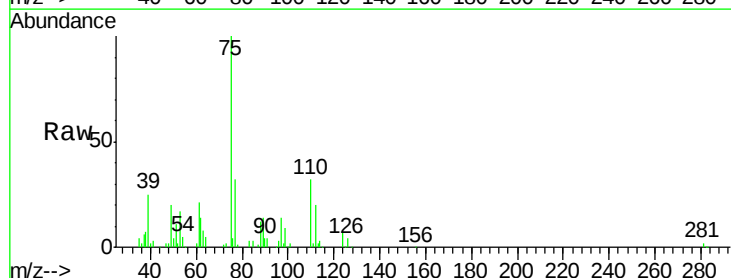
RT: 13.73 min Scan# 1250

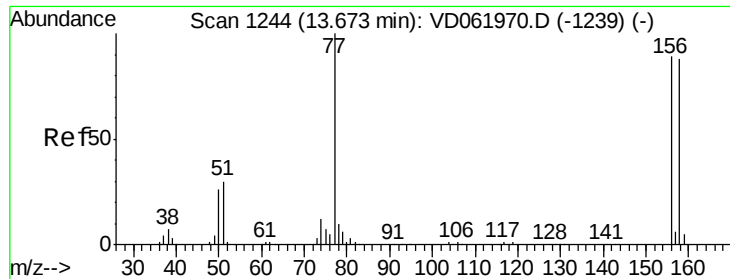
Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tgt Ion:	75	Resp:	210809
Ion Ratio	Lower	Upper	
75	100		
77	32.4	16.4	49.4





#77

Bromobenzene

Concen: 47.848 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 277852

Ion Ratio Lower Upper

156 100

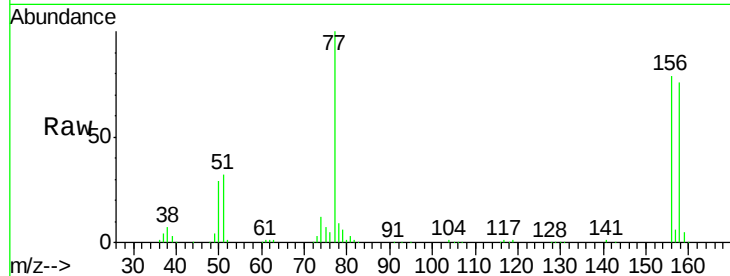
77 126.3 53.1 159.4

158 96.2 49.4 148.0

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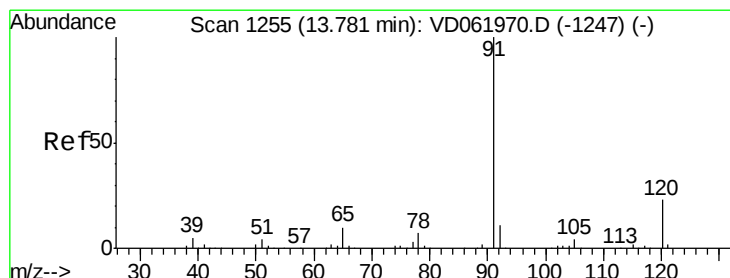
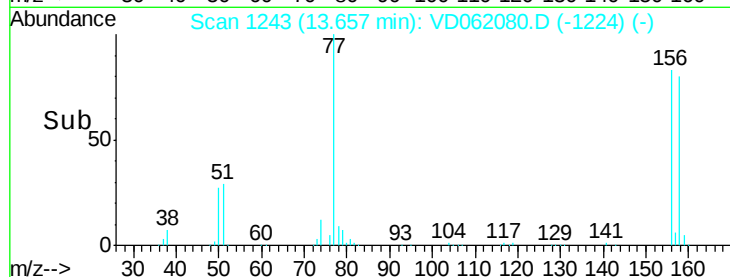
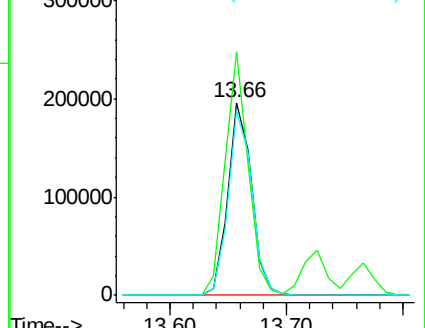
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.528 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062080.D

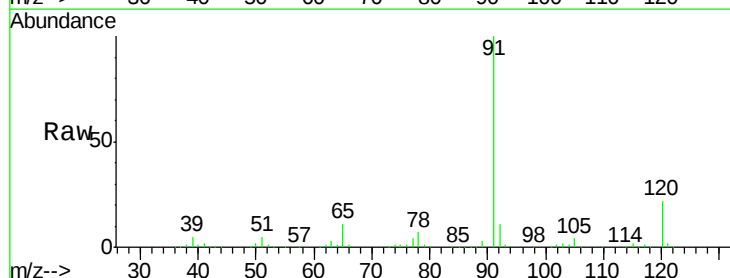
Acq: 30 Apr 2019 00:22

Tgt Ion: 91 Resp: 1147723

Ion Ratio Lower Upper

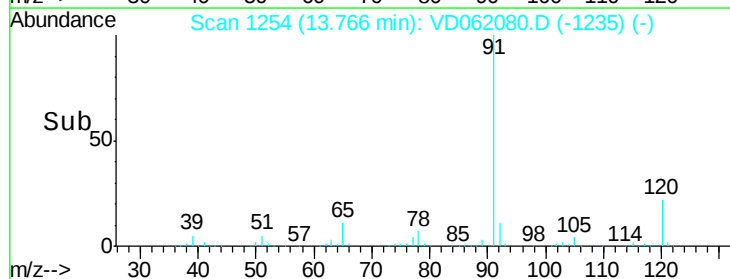
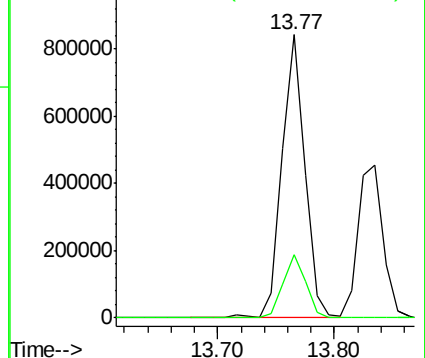
91 100

120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.954 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 673097

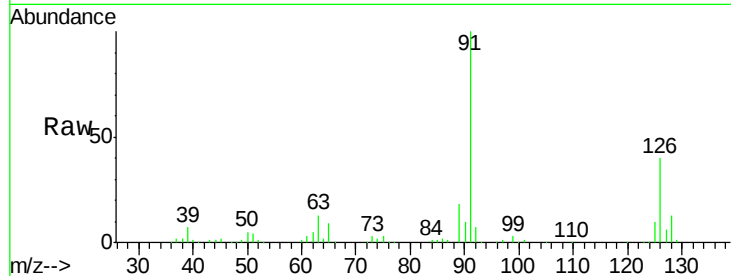
Ion Ratio Lower Upper

91 100

126 39.6 18.6 55.8

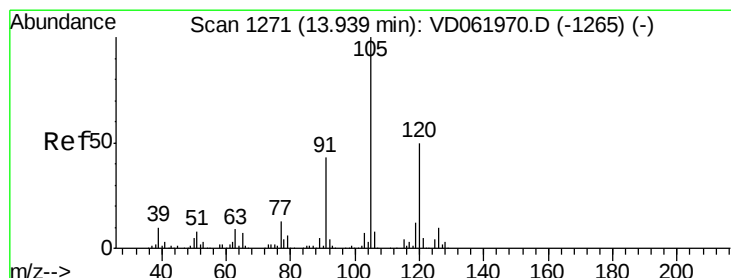
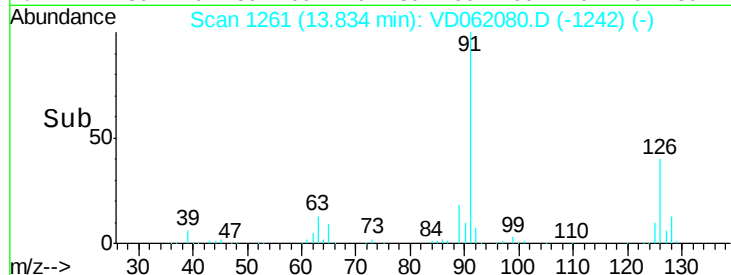
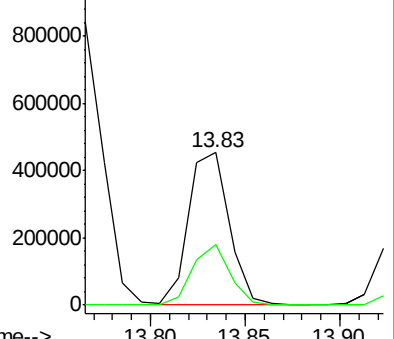
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Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.055 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062080.D

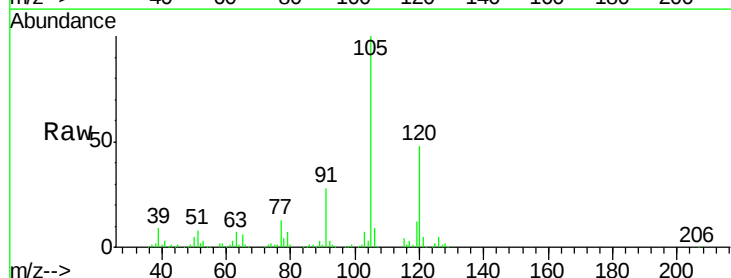
Acq: 30 Apr 2019 00:22

Tgt Ion: 105 Resp: 775650

Ion Ratio Lower Upper

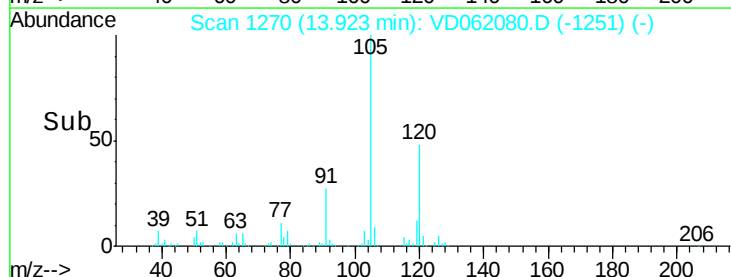
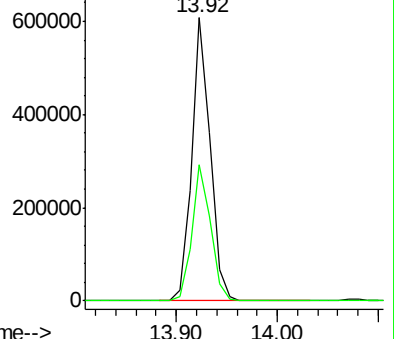
105 100

120 48.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





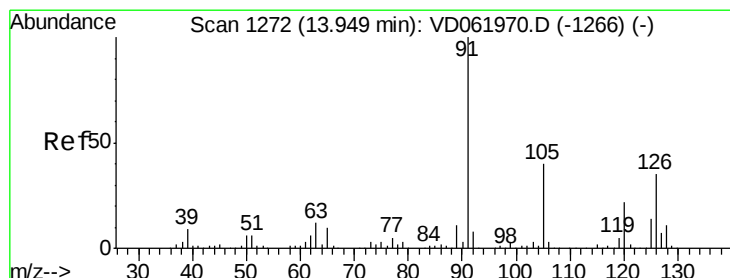
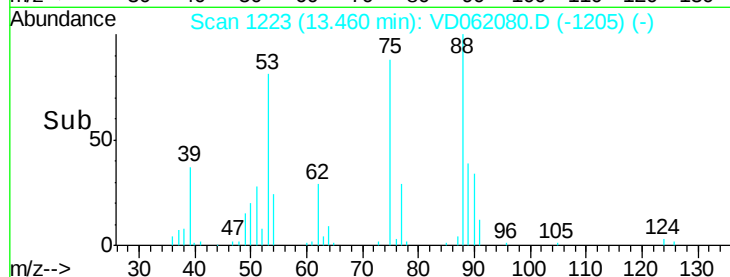
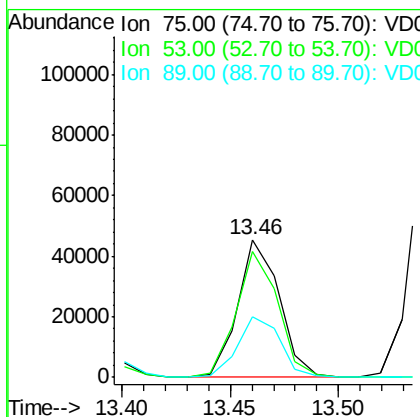
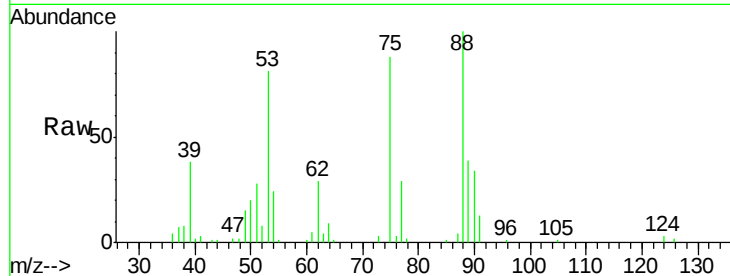
#81
trans-1,4-Dichloro-2-butene
Concen: 52.672 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	65.8	98.8
89	44.4	35.0	52.6

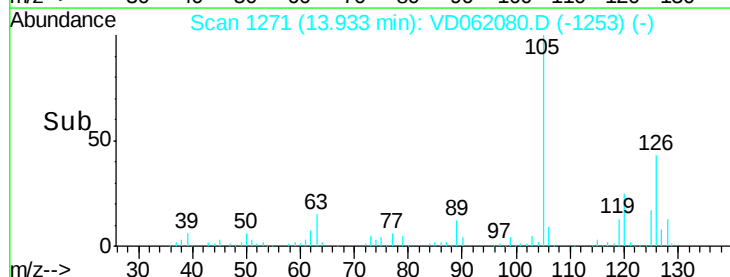
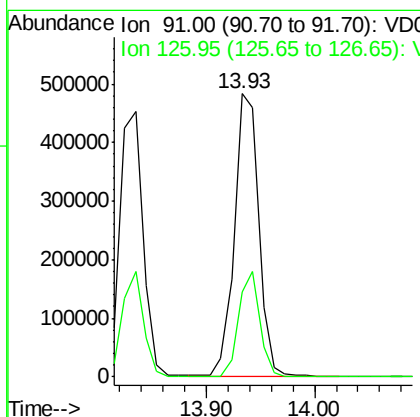
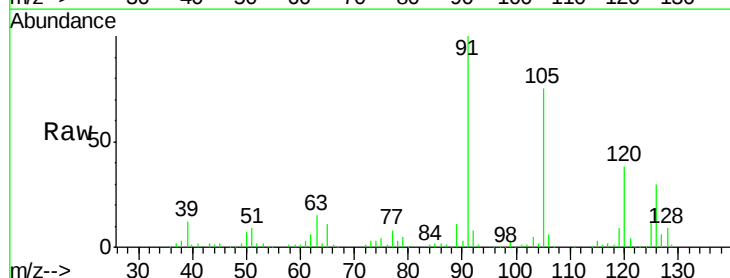
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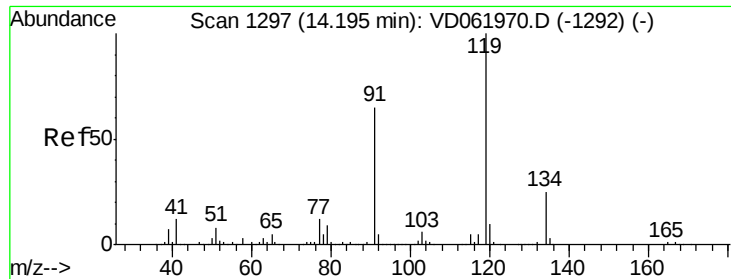
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#82
4-Chlorotoluene
Concen: 48.966 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	19.1	57.5





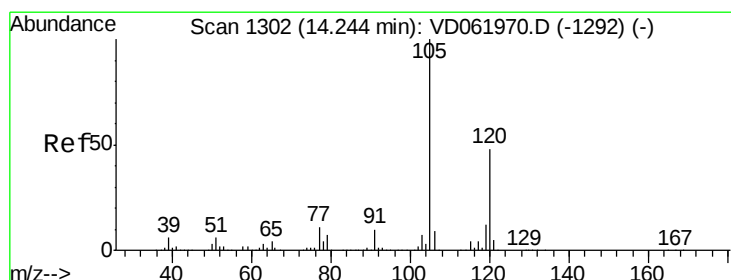
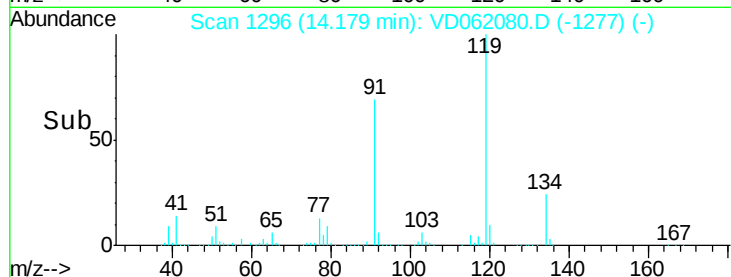
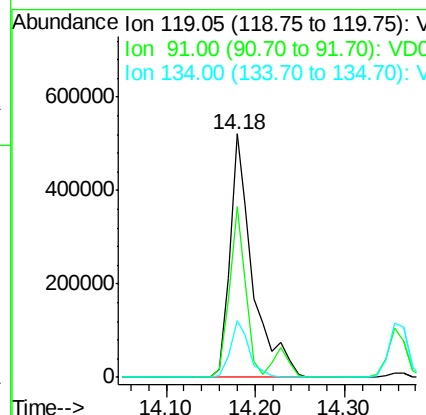
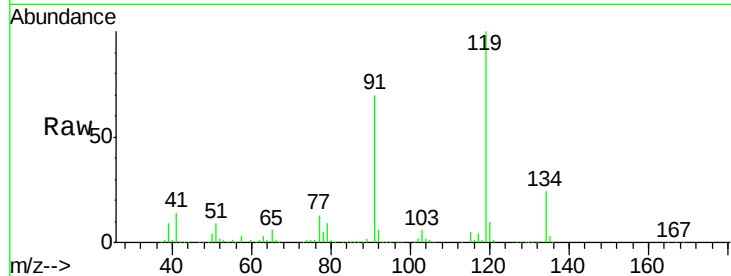
#83
tert-Butylbenzene
Concen: 50.028 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	935435		
91	69.9	34.2	102.6	
134	23.5	12.0	36.0	

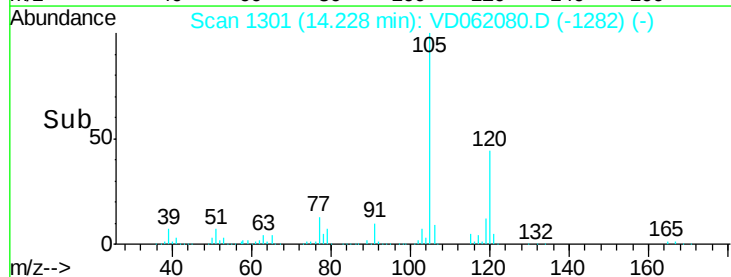
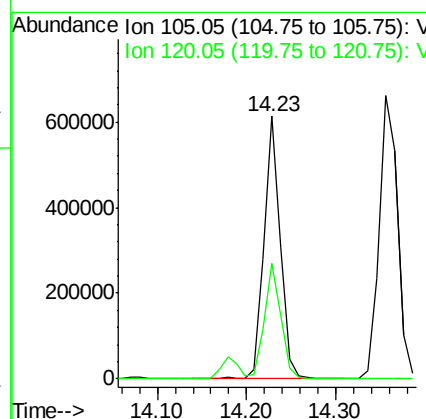
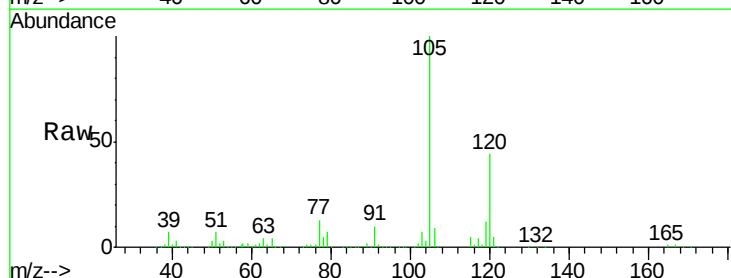
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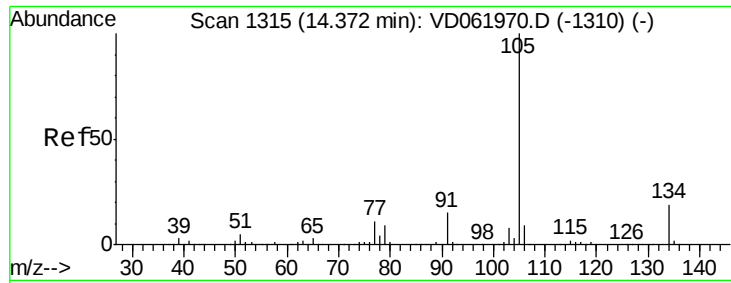
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#84
1,2,4-Trimethylbenzene
Concen: 49.232 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	758763		
120	44.0	23.1	69.2	





#85

sec-Butylbenzene

Concen: 45.836 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 926051

Ion Ratio Lower Upper

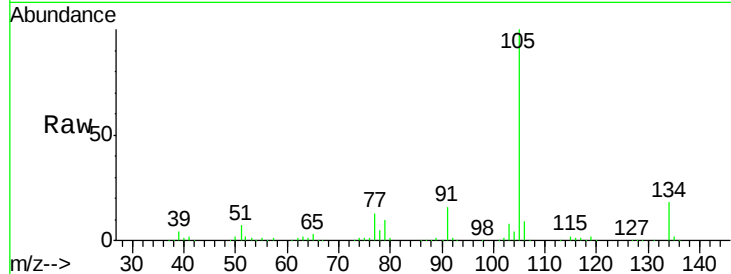
105 100

134 17.6 8.9 26.7

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

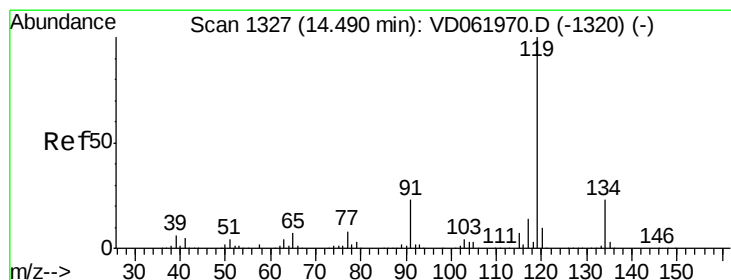
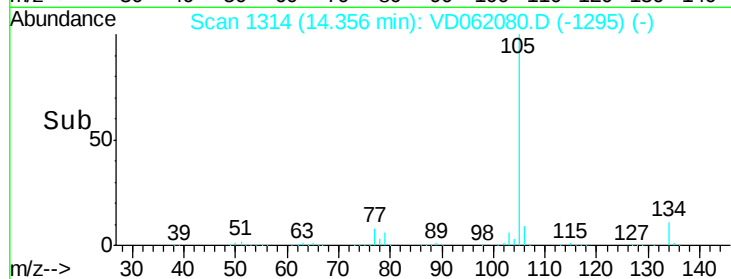
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 41.931 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

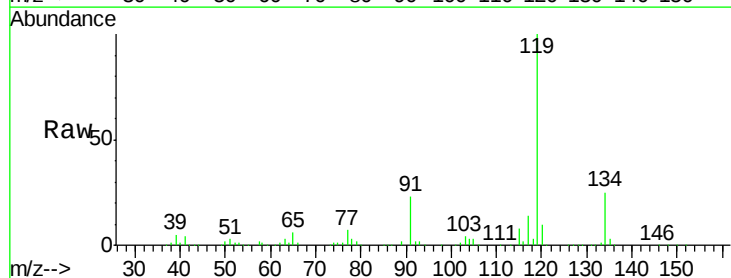
Tgt Ion:119 Resp: 758174

Ion Ratio Lower Upper

119 100

134 24.7 12.8 38.3

91 22.6 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.48

800000

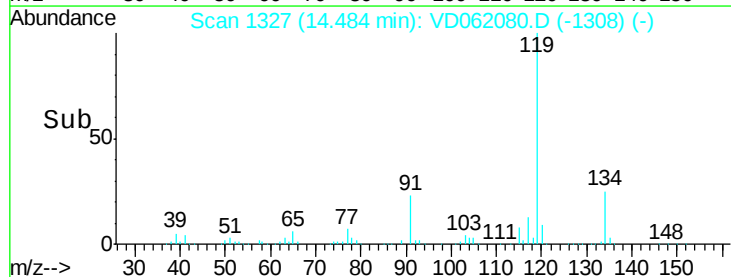
600000

400000

200000

0

Time-->





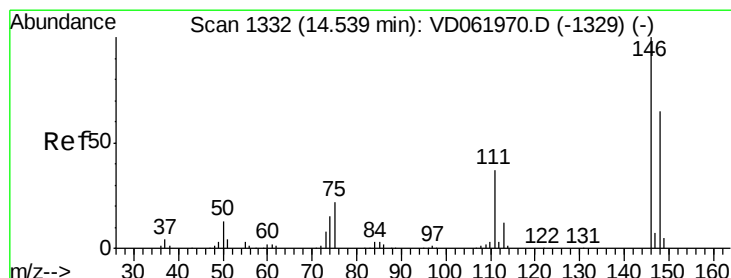
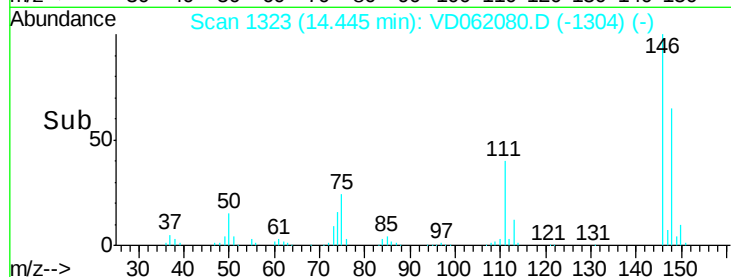
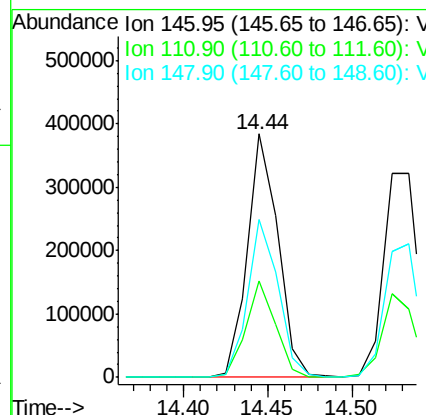
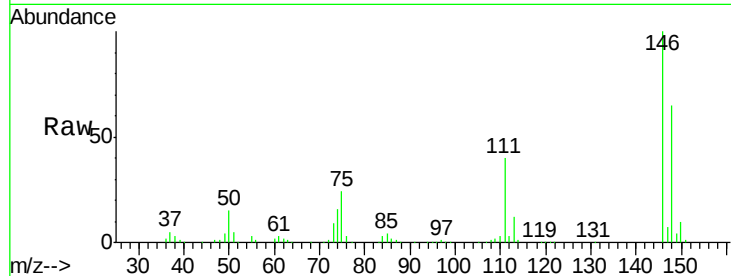
#87
 1,3-Dichlorobenzene
 Concen: 47.911 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.9	31.8	95.4

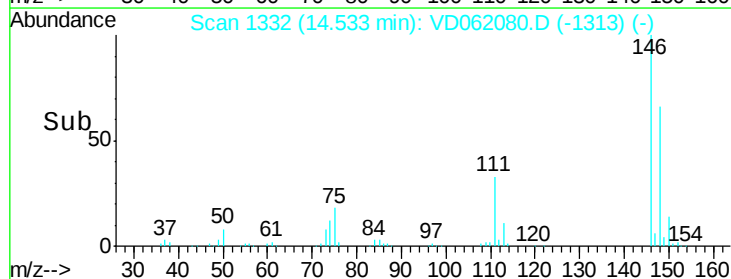
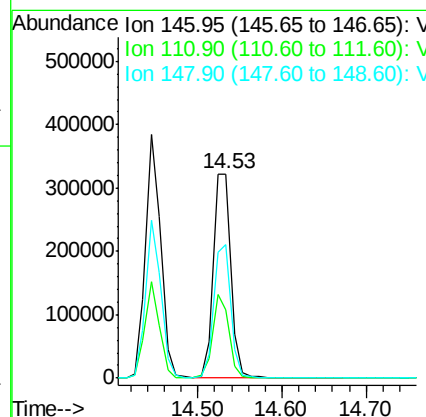
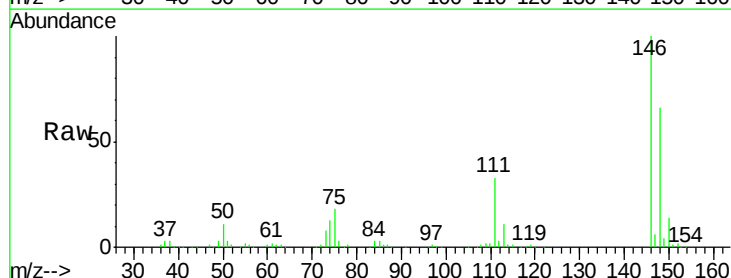
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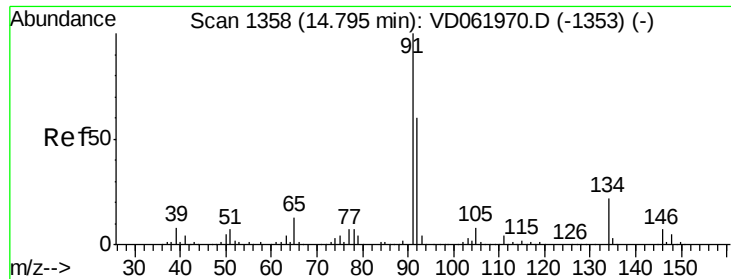
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#88
 1,4-Dichlorobenzene
 Concen: 49.213 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.3	20.2	60.5
148	65.5	32.0	96.2





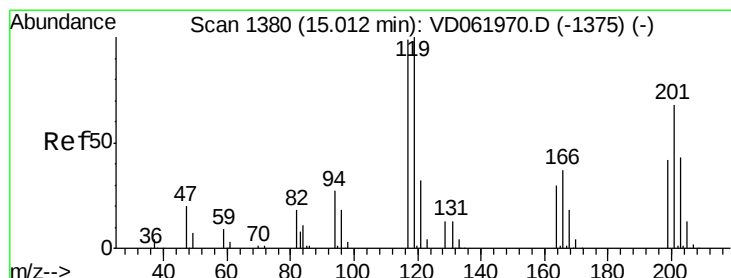
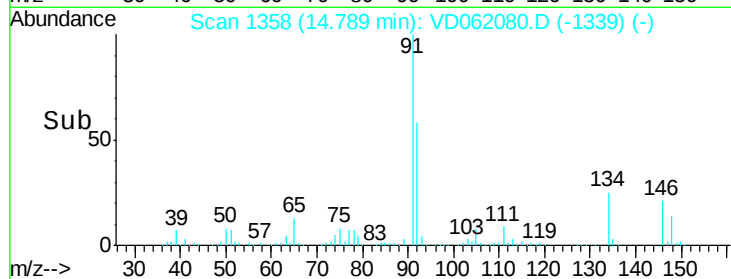
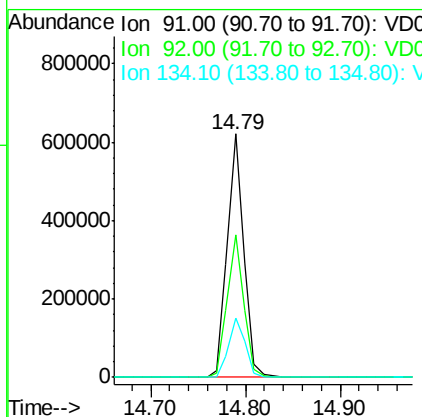
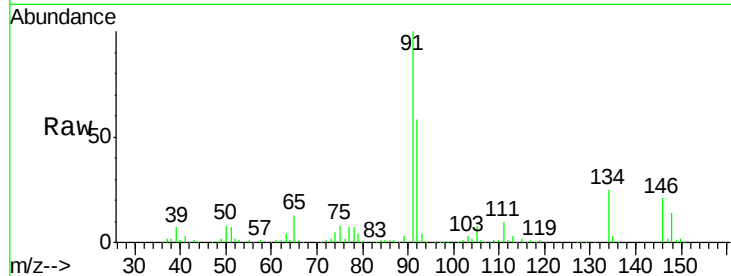
#89
n-Butylbenzene
Concen: 46.298 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.3	30.3	91.0
134	24.5	14.5	43.6

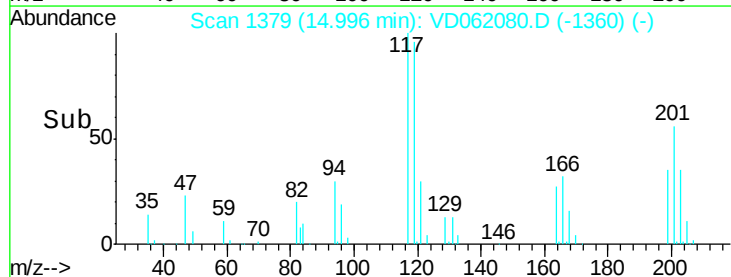
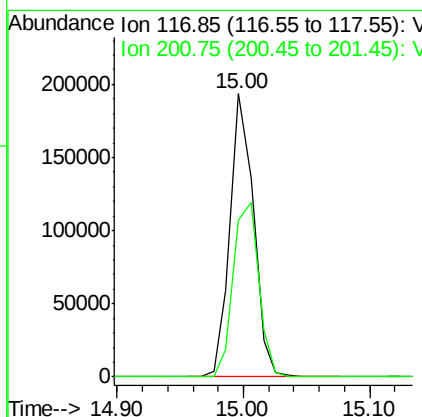
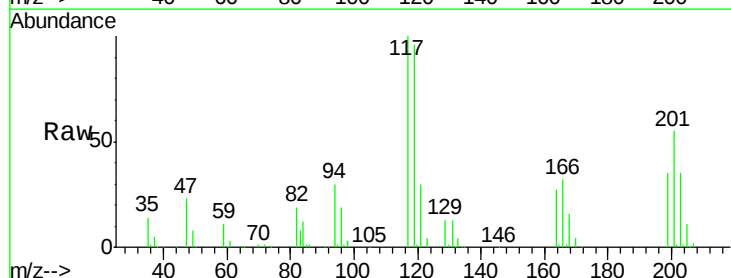
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#90
Hexachloroethane
Concen: 50.958 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062080.D
Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.4	30.2	90.6





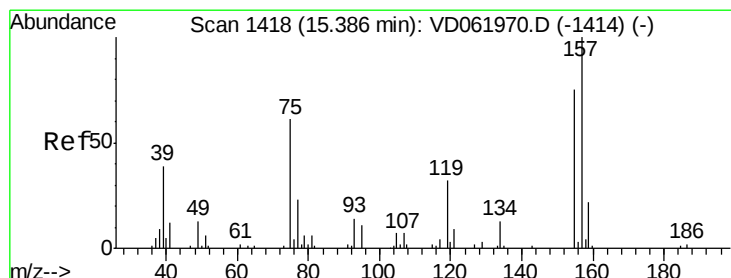
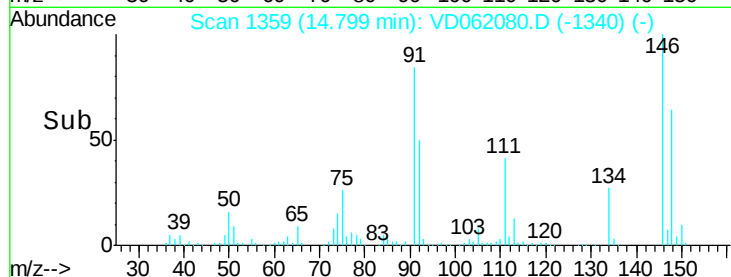
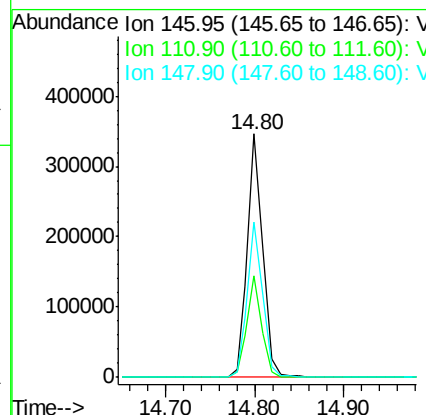
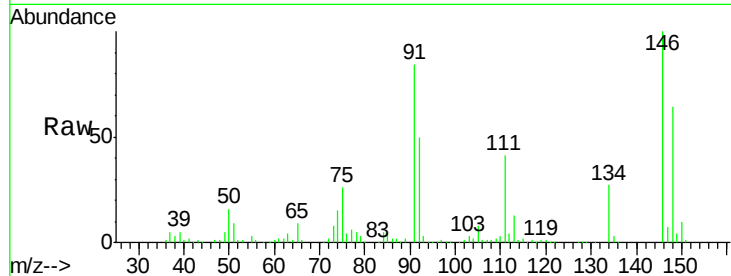
#91
 1,2-Dichlorobenzene
 Concen: 50.008 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	59.9
148	63.8	32.3	96.8

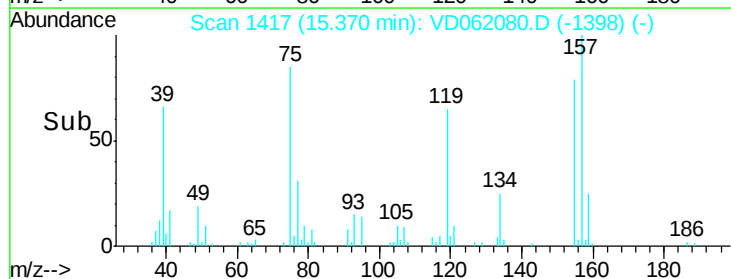
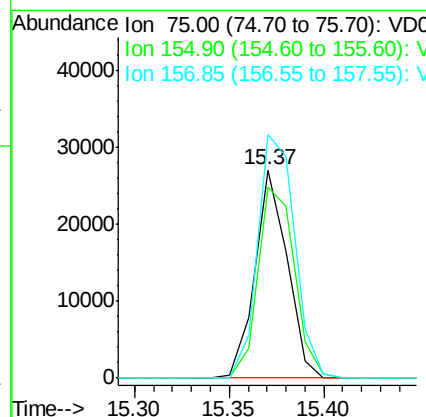
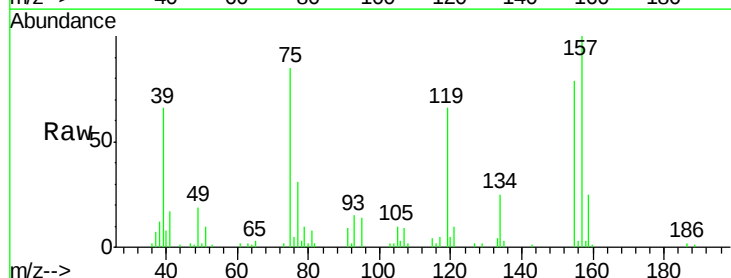
Manual Integrations
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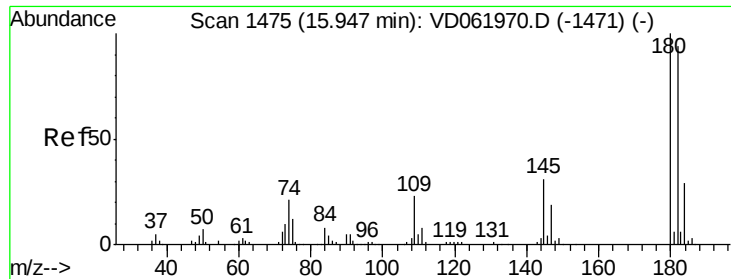
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.334 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	55.3	165.8
157	117.0	67.8	203.2





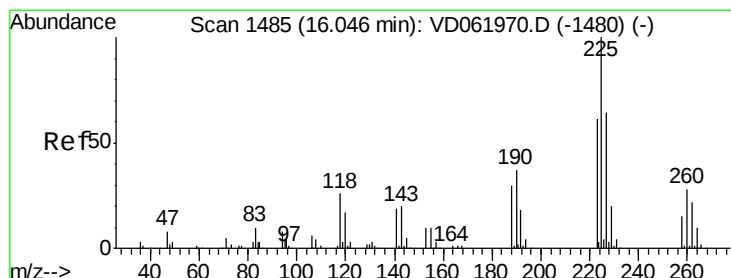
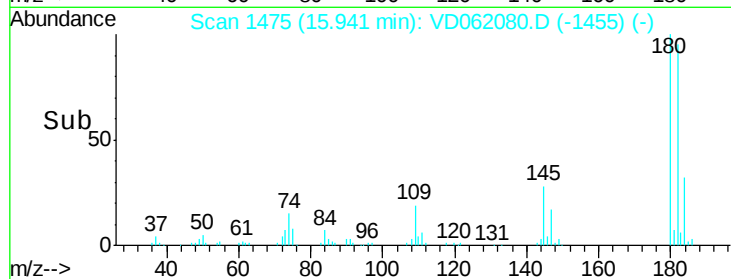
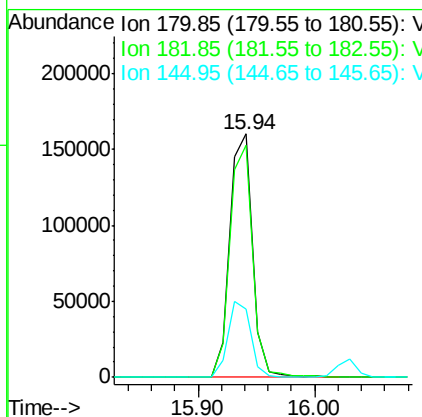
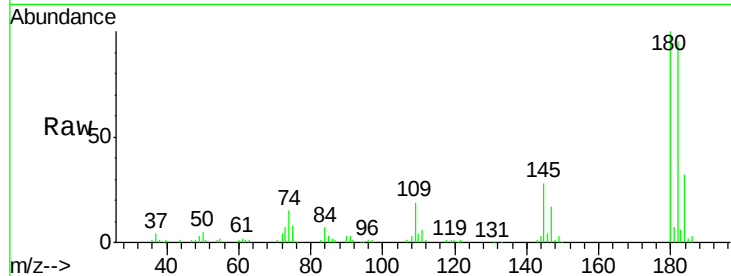
#93
 1,2,4-Trichlorobenzene
 Concen: 47.957 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	217055		
182	95.3	49.3	147.8	
145	27.8	16.2	48.6	

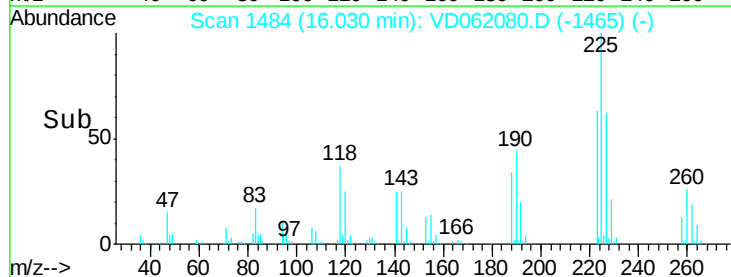
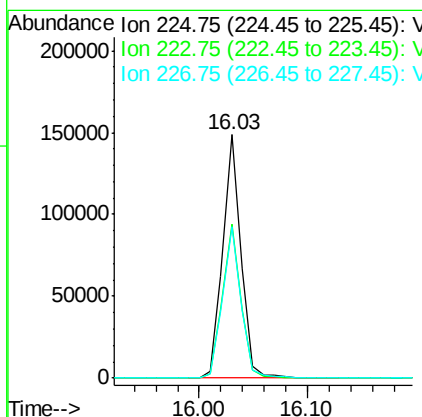
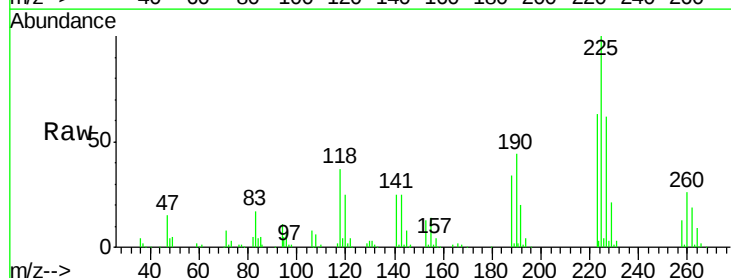
Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 9:27:56 AM



#94
 Hexachlorobutadiene
 Concen: 51.996 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062080.D
 Acq: 30 Apr 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174157		
223	63.4	30.6	92.0	
227	62.3	32.0	96.2	





#95

Naphthalene

Concen: 54.275 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Instrument :

MSVOA_D

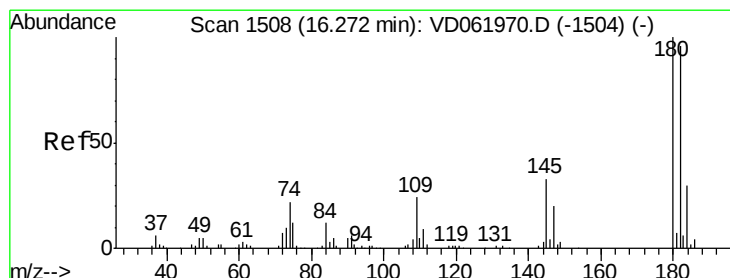
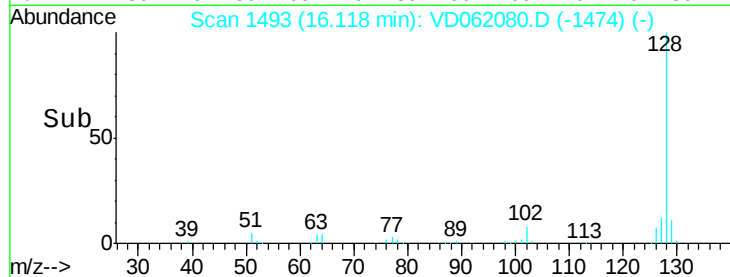
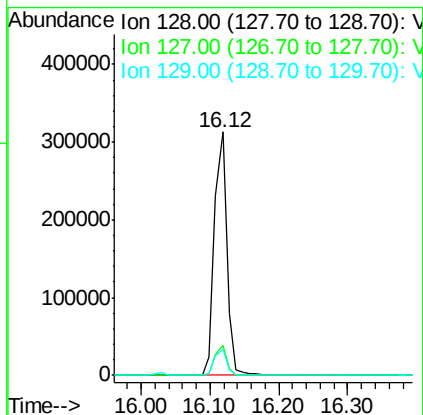
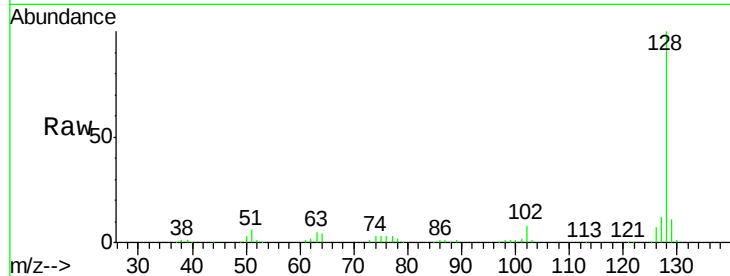
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	396631
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.8	14.8
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/1/2019 9:27:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.486 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062080.D

Acq: 30 Apr 2019 00:22

Tgt Ion:	180	Resp:	132215
Ion Ratio	Lower	Upper	
180	100		
182	99.9	47.0	141.0
145	30.1	17.0	51.0

