

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061599.D
 Acq On : 5 Apr 2019 2:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:32:18 PM

Quant Time: Apr 05 06:48:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	493875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	782586	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	704421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	330422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	240849	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
35) Dibromofluoromethane	6.90	113	346793	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
50) Toluene-d8	10.39	98	798790	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
62) 4-Bromofluorobenzene	13.54	95	340269	61.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	252801	47.930	ug/l	97
3) Chloromethane	1.75	50	193496	44.983	ug/l	97
4) Vinyl Chloride	1.85	62	189082	47.874	ug/l	99
5) Bromomethane	2.14	94	49185	62.801	ug/l #	94
6) Chloroethane	2.26	64	69855	60.312	ug/l	93
7) Trichlorofluoromethane	2.53	101	320822	55.861	ug/l	99
8) Diethyl Ether	2.86	74	88502	47.861	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	302873	49.053	ug/l	96
10) Methyl Iodide	3.29	142	447775	47.863	ug/l	95
11) Tert butyl alcohol	4.03	59	71594	272.492	ug/l	99
12) 1,1-Dichloroethene	3.12	96	249268	47.022	ug/l	99
13) Acrolein	3.02	56	41242	201.583	ug/l	97
14) Allyl chloride	3.61	41	379196	51.286	ug/l	95
15) Acrylonitrile	4.17	53	239036	262.126	ug/l	94
16) Acetone	3.20	43	251014	231.449	ug/l	91
17) Carbon Disulfide	3.36	76	702563	40.791	ug/l	99
18) Methyl Acetate	3.62	43	128701	56.441	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	492148	53.633	ug/l	95
20) Methylene Chloride	3.80	84	325932	53.792	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	279070	48.761	ug/l	99
22) Diisopropyl ether	5.10	45	853393	54.543	ug/l	99
23) Vinyl Acetate	5.03	43	2311643	271.989	ug/l	98
24) 1,1-Dichloroethane	4.96	63	469556	51.065	ug/l	99
25) 2-Butanone	6.04	43	369762	271.038	ug/l	99
26) 2,2-Dichloropropane	6.00	77	384843	52.649	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	331268	52.829	ug/l	95
28) Bromochloromethane	6.41	49	200661	54.060	ug/l	93
29) Tetrahydrofuran	6.42	42	185307	280.240	ug/l	100
30) Chloroform	6.64	83	551031	57.996	ug/l	98
31) Cyclohexane	6.94	56	337682	46.472	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	468948	55.946	ug/l	96
36) 1,1-Dichloropropene	7.12	75	361044	52.860	ug/l	99
37) Ethyl Acetate	6.15	43	179998	61.620	ug/l	98
38) Carbon Tetrachloride	7.08	117	437832m	55.785	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	387567	54.482	ug/l	96
40) Benzene	7.43	78	948229	55.316	ug/l	98
41) Methacrylonitrile	6.41	41	213768	62.588	ug/l #	96
42) 1,2-Dichloroethane	7.56	62	319605	62.330	ug/l	97
43) Isopropyl Acetate	9.22	43	269925	63.509	ug/l #	99
44) Trichloroethene	8.52	130	359314	56.325	ug/l	95
45) 1,2-Dichloropropane	8.92	63	237739	54.694	ug/l	97
46) Dibromomethane	9.04	93	178818	61.121	ug/l	97
47) Bromodichloromethane	9.36	83	397153	60.482	ug/l	99
48) Methyl methacrylate	9.09	41	140283	59.806	ug/l	97
49) 1,4-Dioxane	9.06	88	30940	1195.889	ug/l	97
51) 4-Methyl-2-Pentanone	10.28	43	736221	284.720	ug/l	97
52) Toluene	10.49	92	590168	56.433	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	378770	63.488	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	431895	59.452	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	212367	58.066	ug/l	99
56) Ethyl methacrylate	11.02	69	240887	61.310	ug/l	96
57) 1,3-Dichloropropane	11.39	76	286681	53.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	646663	337.967	ug/l	95
59) 2-Hexanone	11.51	43	560396	299.122	ug/l	99
60) Dibromochloromethane	11.67	129	334984	59.413	ug/l	98
61) 1,2-Dibromoethane	11.79	107	243259	57.440	ug/l	99
64) Tetrachloroethene	11.24	164	271627	49.133	ug/l	98
65) Chlorobenzene	12.38	112	715650	49.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	304569	54.641	ug/l	100
67) Ethyl Benzene	12.51	91	1127597	51.316	ug/l	97
68) m/p-Xylenes	12.66	106	787851	94.652	ug/l	95
69) o-Xylene	13.04	106	415295	51.414	ug/l	96
70) Styrene	13.06	104	674224	47.883	ug/l	96
71) Bromoform	13.23	173	182553	51.665	ug/l	97
73) Isopropylbenzene	13.39	105	1139926	49.568	ug/l	99
74) N-amyl acetate	13.26	43	324096	50.590	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	231901	47.802	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	259220	54.309	ug/l	99
77) Bromobenzene	13.66	156	339801	49.841	ug/l	88
78) n-propylbenzene	13.76	91	1306458	46.422	ug/l	93
79) 2-Chlorotoluene	13.83	91	690886	45.212	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	873781	48.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	72457	49.788	ug/l #	91
82) 4-Chlorotoluene	13.94	91	862919	51.935	ug/l	93
83) tert-Butylbenzene	14.18	119	1066188	47.813	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	918919	47.570	ug/l	98
85) sec-Butylbenzene	14.36	105	1143655	48.278	ug/l	97
86) p-Isopropyltoluene	14.48	119	1055672	52.701	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	542729	47.010	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	562293	49.943	ug/l	95
89) n-Butylbenzene	14.79	91	872594	47.461	ug/l	98
90) Hexachloroethane	15.00	117	286455	50.618	ug/l	82
91) 1,2-Dichlorobenzene	14.80	146	462684	48.859	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	34038	59.823	ug/l	80

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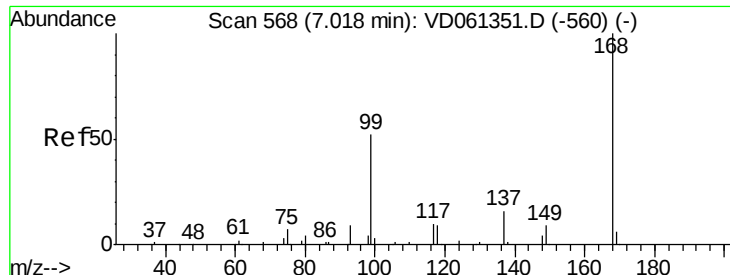
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	225587	52.294	ug/l	96
94) Hexachlorobutadiene	16.03	225	187755	55.699	ug/l	98
95) Naphthalene	16.11	128	391079	59.476	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	105987	55.834	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 493875

Ion Ratio Lower Upper

168 100

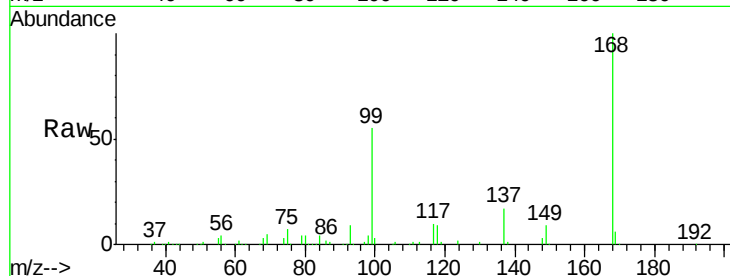
99 55.1 43.1 64.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

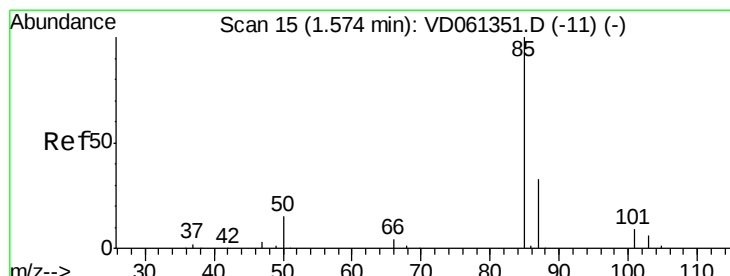
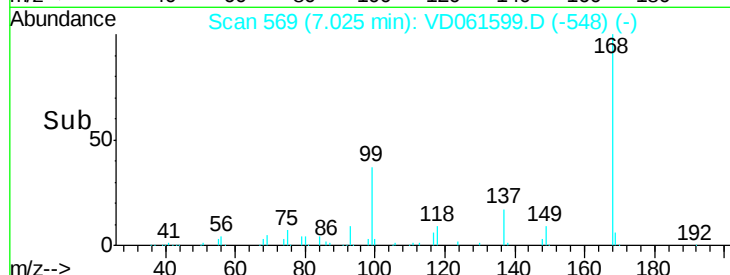
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50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 47.930 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD061599.D

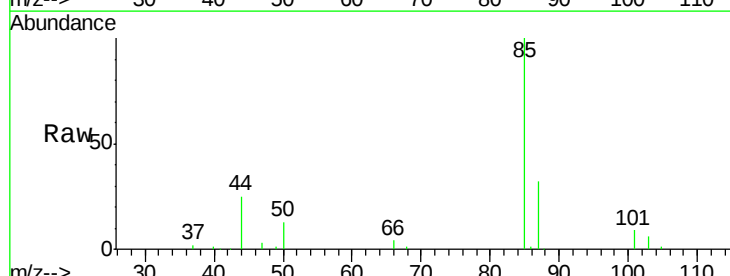
Acq: 5 Apr 2019 2:00

Tgt Ion: 85 Resp: 252801

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

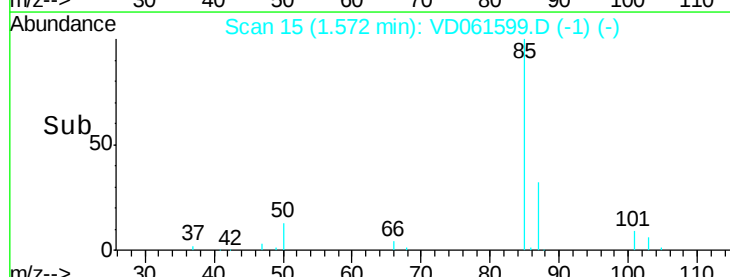
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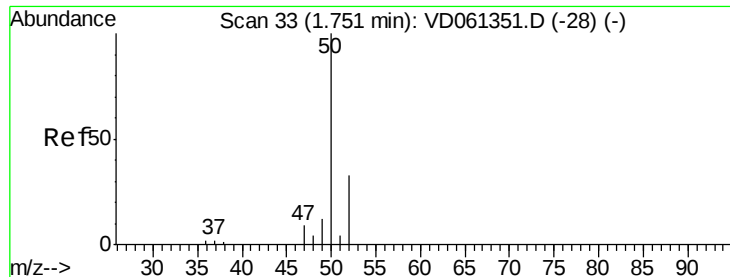
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.983 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 193496

Ion Ratio Lower Upper

50 100

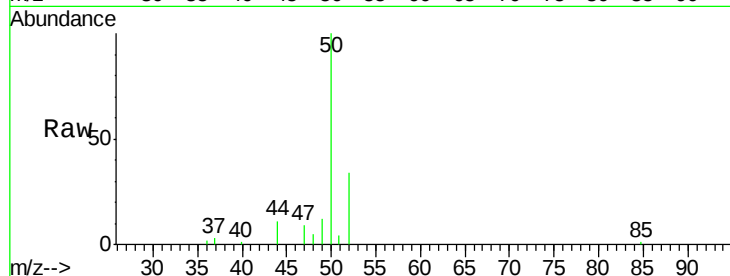
52 34.1 26.1 39.1

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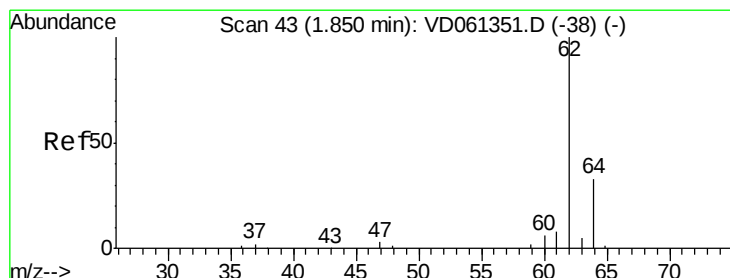
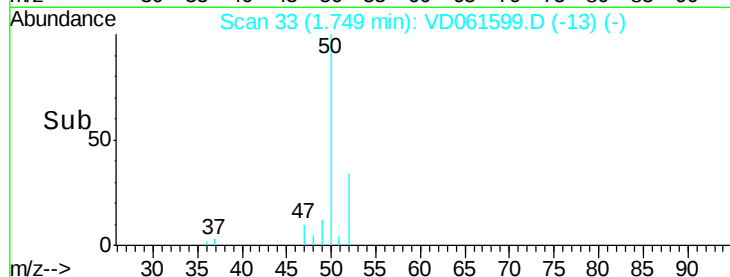
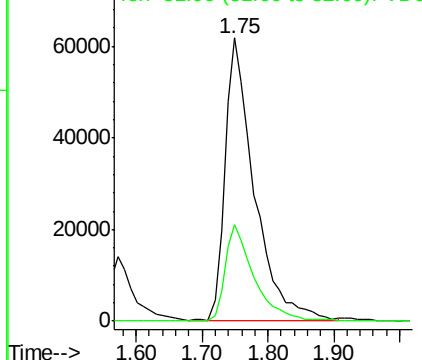
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.874 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061599.D

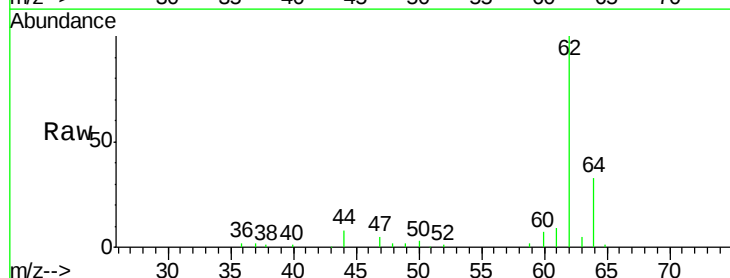
Acq: 5 Apr 2019 2:00

Tgt Ion: 62 Resp: 189082

Ion Ratio Lower Upper

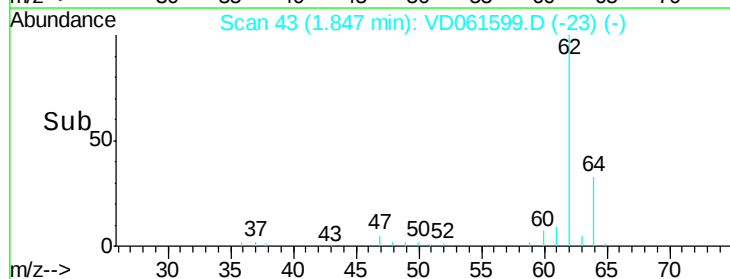
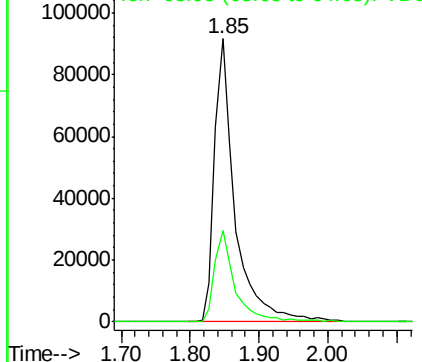
62 100

64 32.5 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.801 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

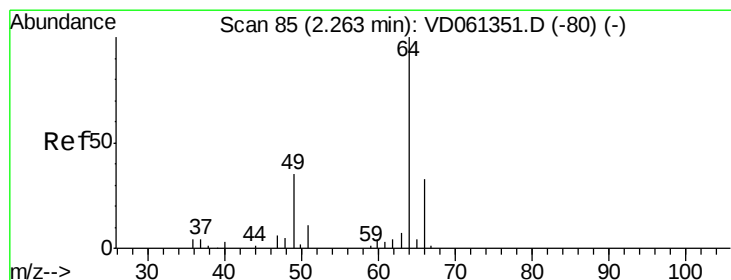
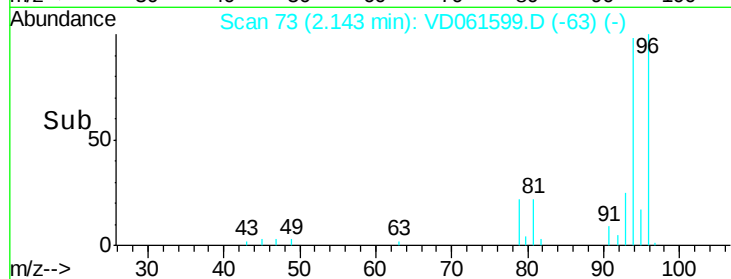
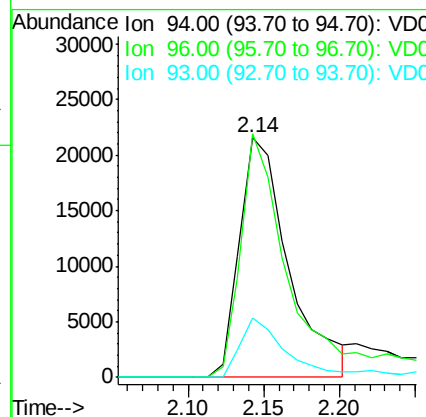
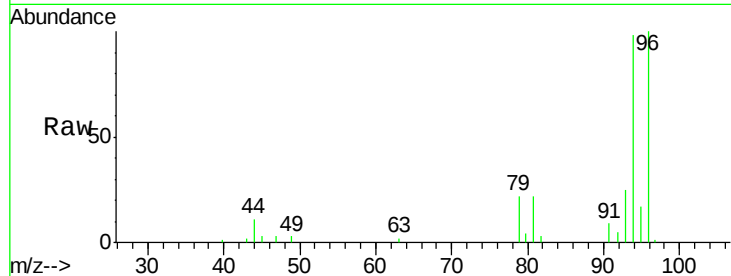
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	49185
Ion	Ratio	Lower	Upper
94	100		
96	103.1	78.3	117.5
93	25.0	15.6	23.4#

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#6

Chloroethane

Concen: 60.312 ug/l

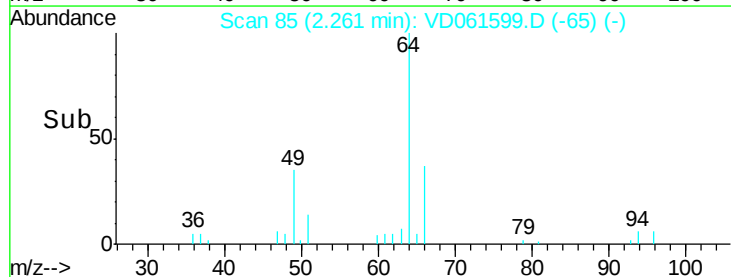
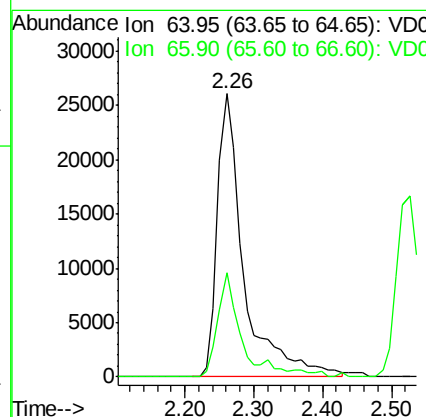
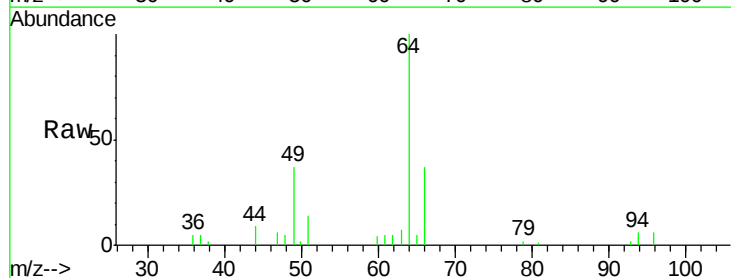
RT: 2.26 min Scan# 85

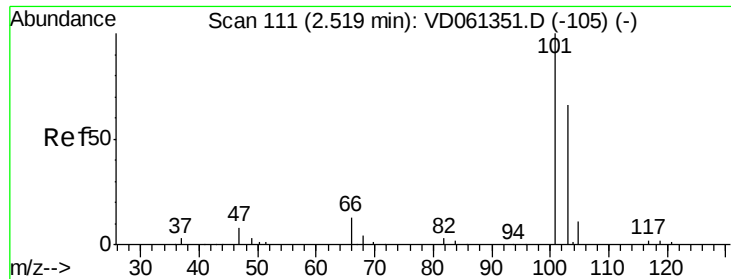
Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Tgt Ion:	64	Resp:	69855
Ion	Ratio	Lower	Upper
64	100		
66	36.8	26.2	39.2





#7

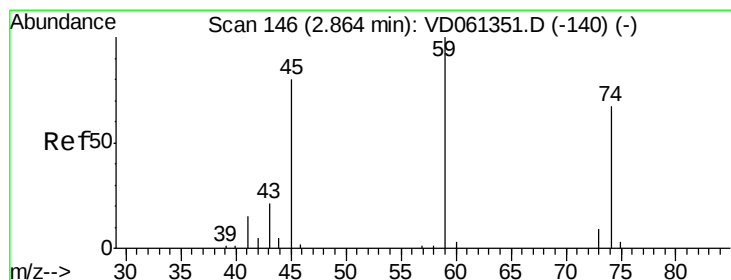
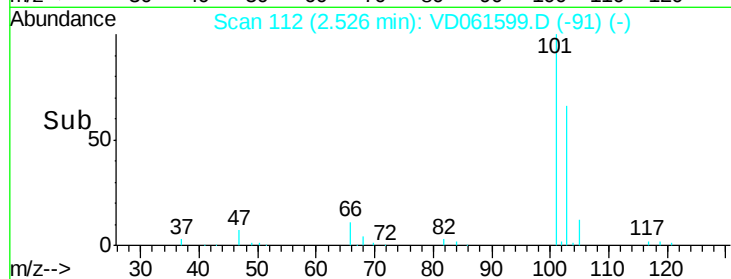
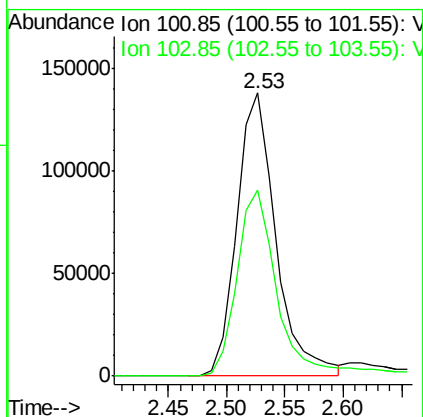
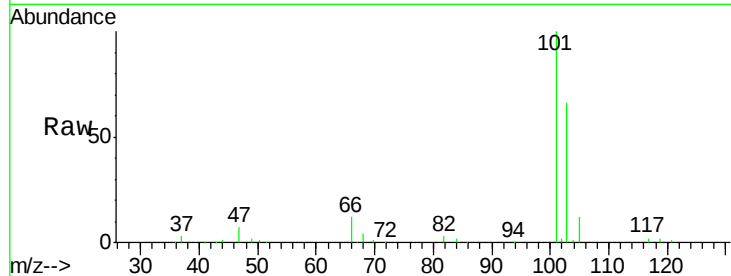
Trichlorofluoromethane
Concen: 55.861 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD061599.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		320822		
103	65.9	53.1	79.7		

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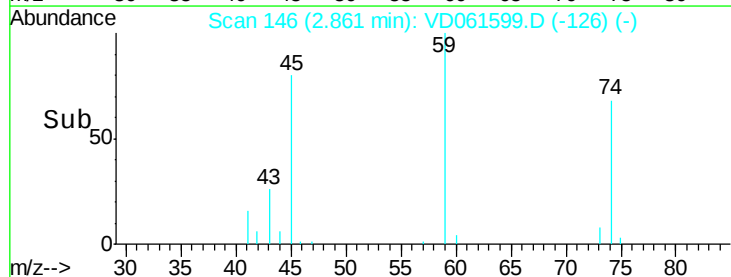
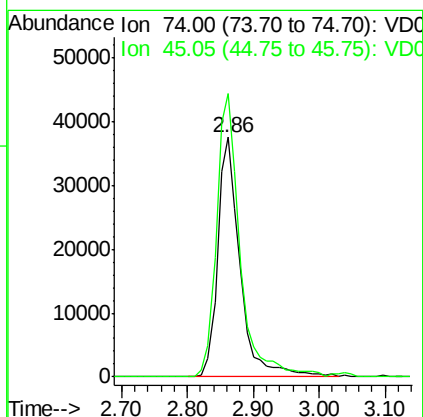
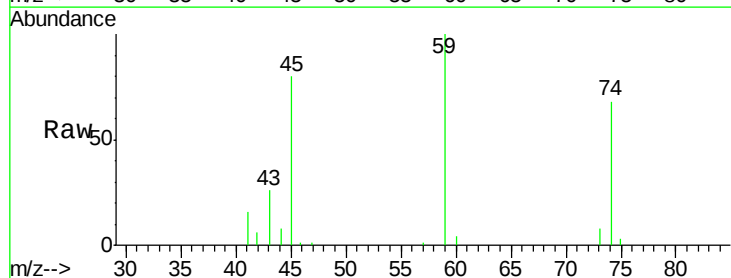
MMDadoda
4/5/2019 2:32:18 PM



#8

Diethyl Ether
Concen: 47.861 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		88502		
45	118.0	59.7	179.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.053 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

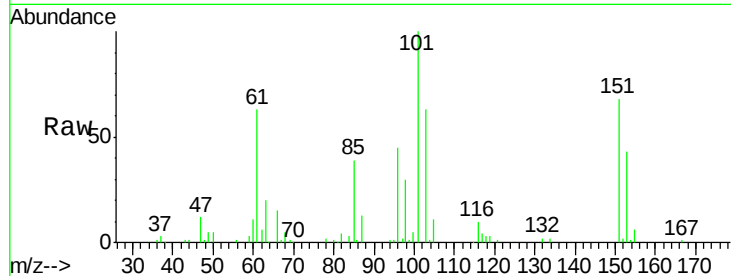
ClientSampleId :

VSTDCCC050

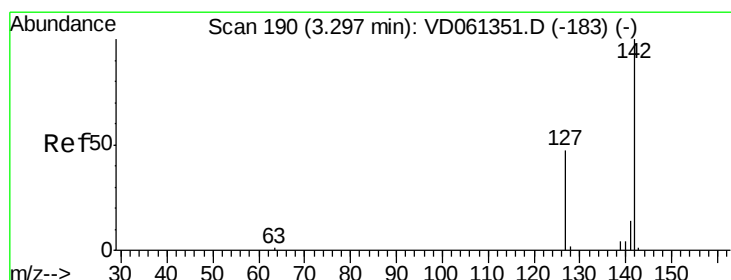
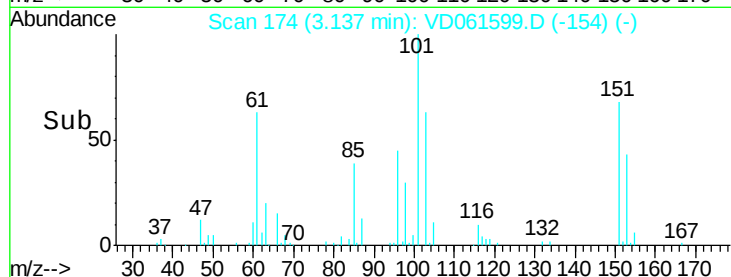
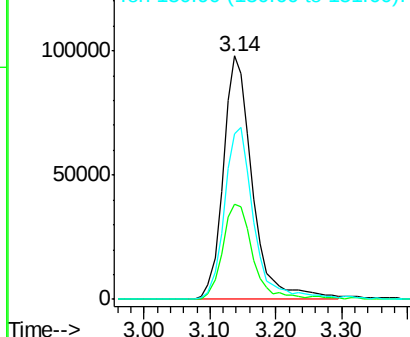
Tot Ion:	101	Resp:	302873
Ion Ratio	Lower	Upper	
101	100		
85	39.3	29.4	44.0
151	68.1	57.0	85.4

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



#10

Methyl Iodide

Concen: 47.863 ug/l

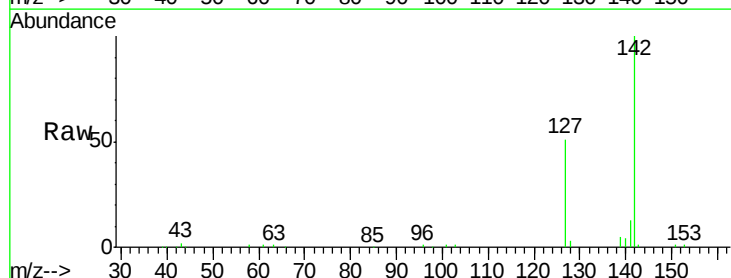
RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

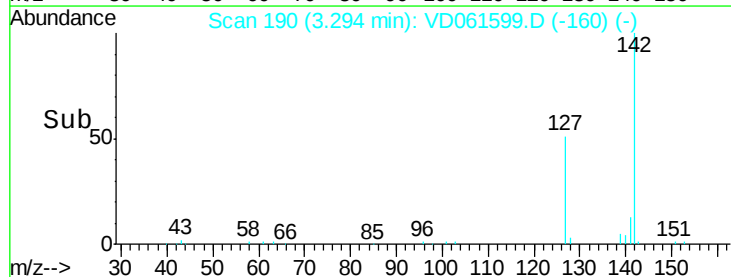
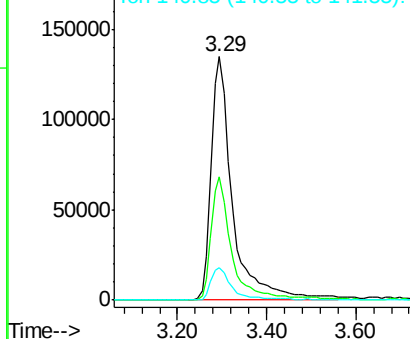
Lab File: VD061599.D

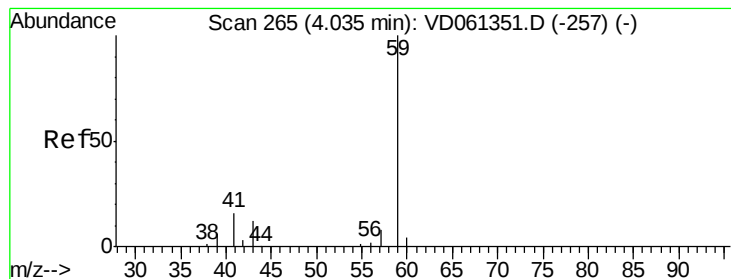
Acq: 5 Apr 2019 2:00

Tgt Ion:	142	Resp:	447775
Ion Ratio	Lower	Upper	
142	100		
127	50.5	37.7	56.5
141	13.4	11.5	17.3



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





#11

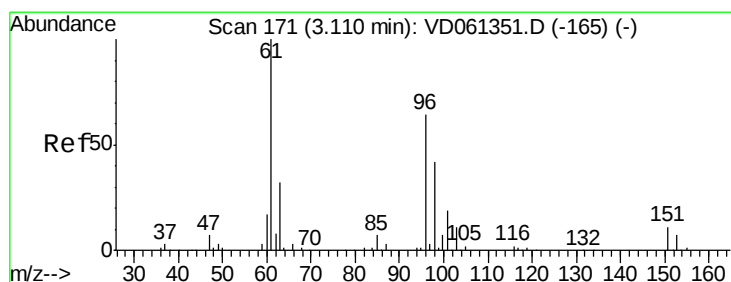
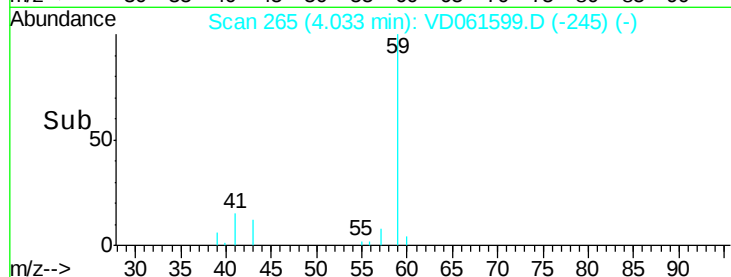
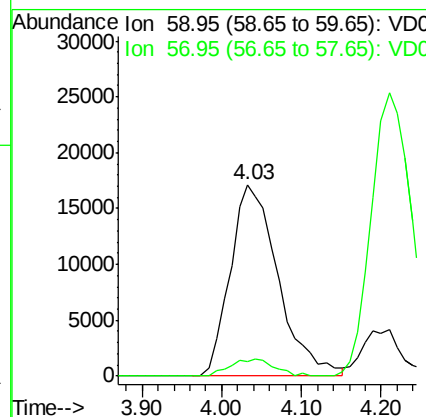
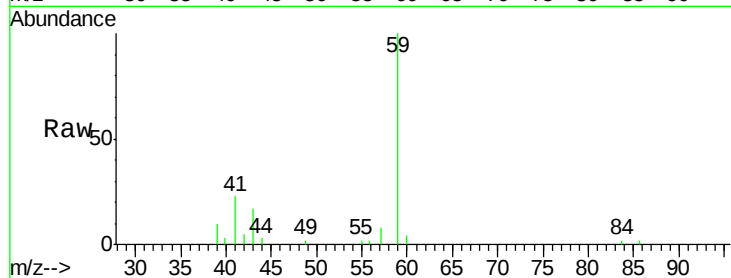
Tert butyl alcohol
 Concen: 272.492 ug/l
 RT: 4.03 min Scan# 265
 Delta R.T. -0.00 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	7.9	Resp:	71594	Lower	6.7	Upper	10.1

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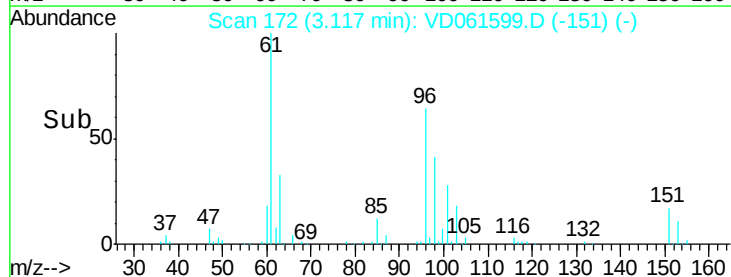
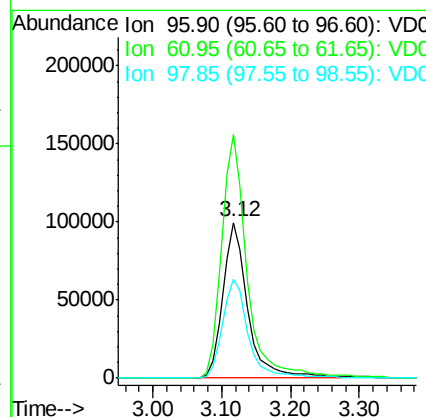
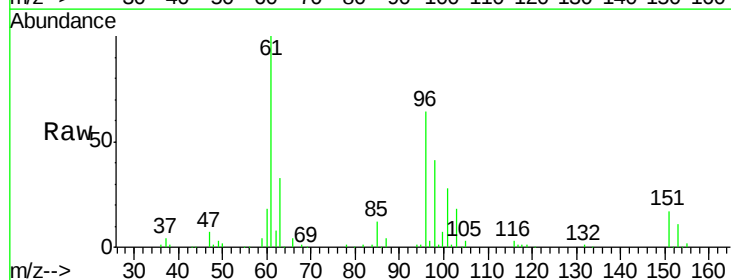
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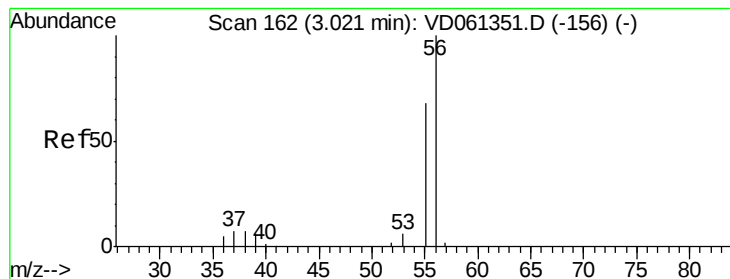


#12

1,1-Dichloroethene
 Concen: 47.022 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Tgt Ion	96	61	98	Ratio	100	156.5	63.9	Resp:	249268	Lower	124.9	Upper	187.3	78.7





#13

Acrolein

Concen: 201.583 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 41242

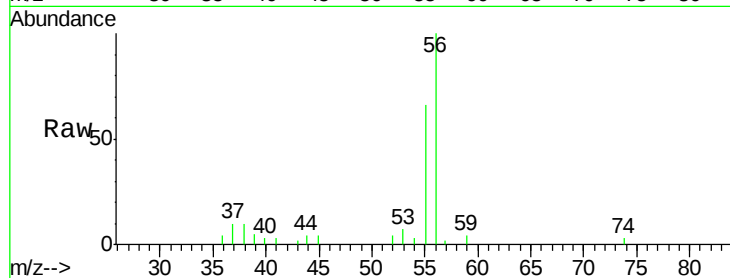
Ion Ratio Lower Upper

56 100

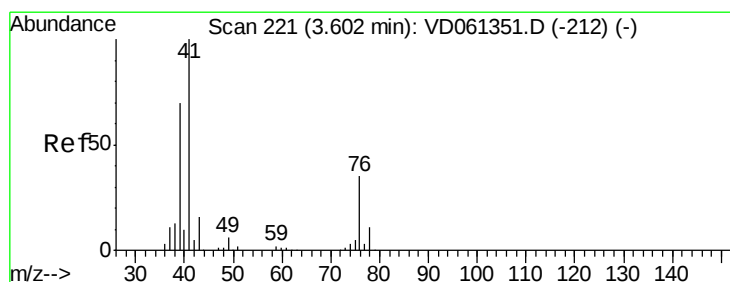
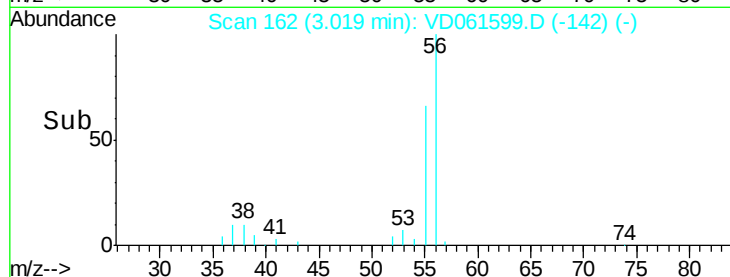
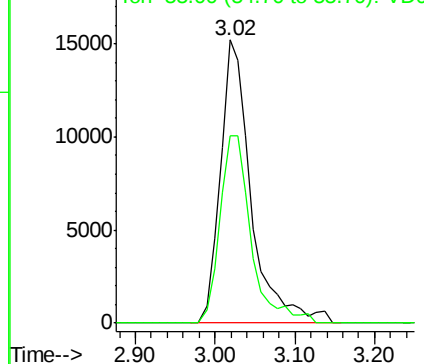
55 66.0 54.6 82.0

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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.286 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

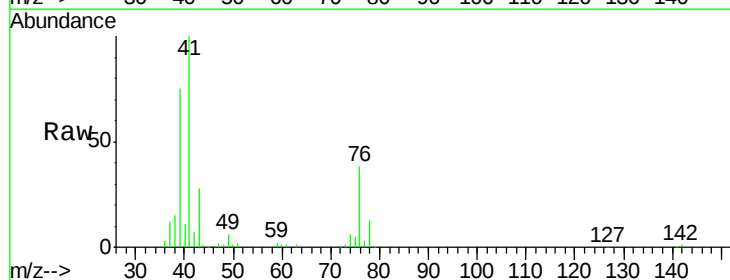
Tgt Ion: 41 Resp: 379196

Ion Ratio Lower Upper

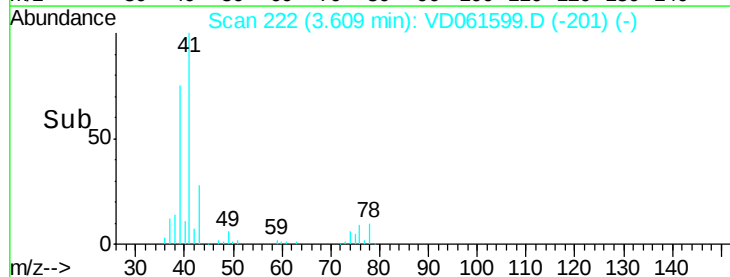
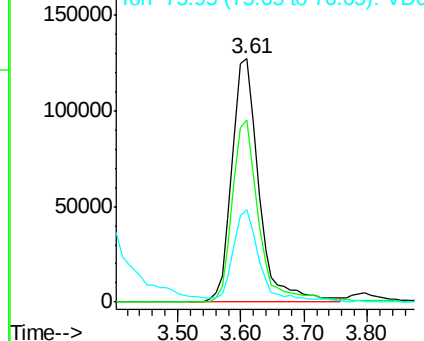
41 100

39 75.0 55.6 83.4

76 38.1 31.0 46.6



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





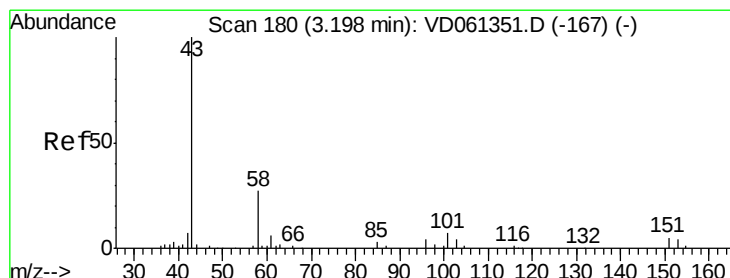
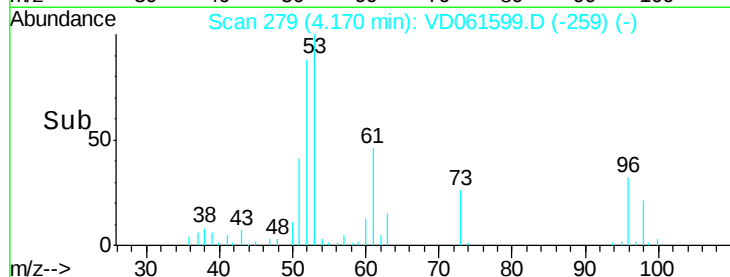
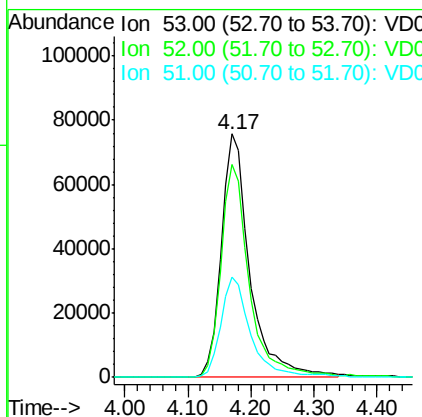
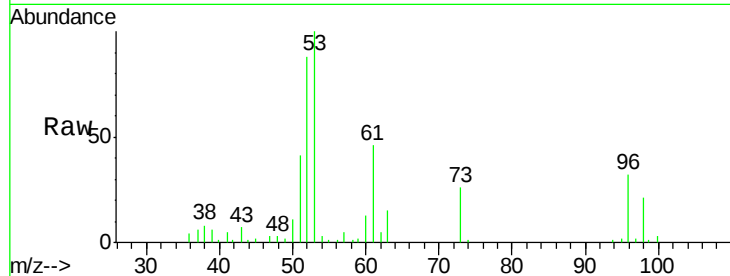
#15
 Acrylonitrile
 Concen: 262.126 ug/l
 RT: 4.17 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	87.6	64.8	97.2
51	41.2	31.4	47.2

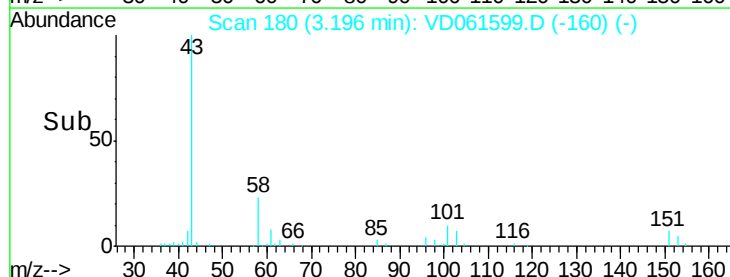
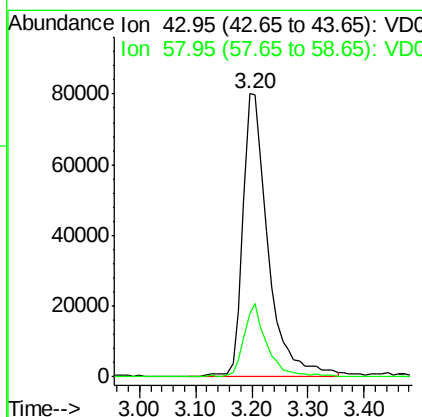
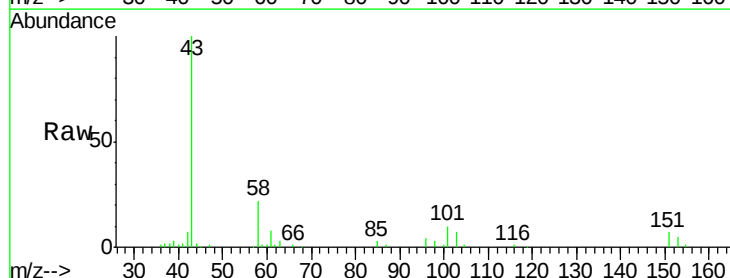
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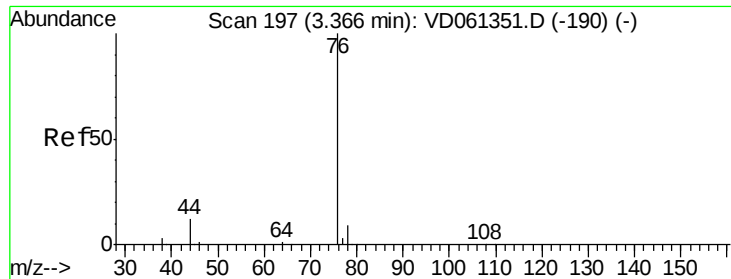
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#16
 Acetone
 Concen: 231.449 ug/l
 RT: 3.20 min Scan# 180
 Delta R.T. -0.00 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.5	21.5	32.3





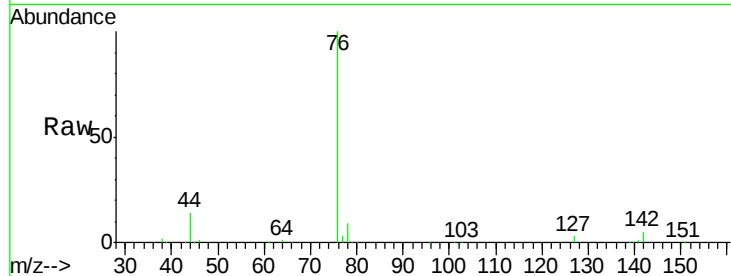
#17
Carbon Disulfide
Concen: 40.791 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

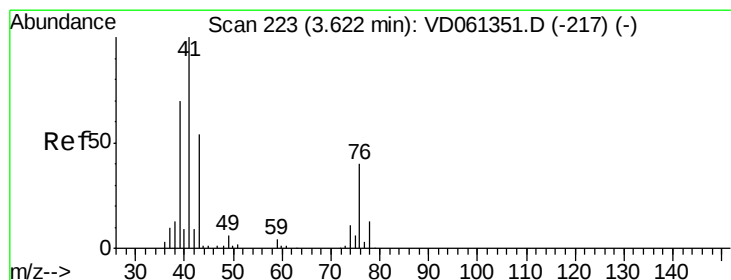
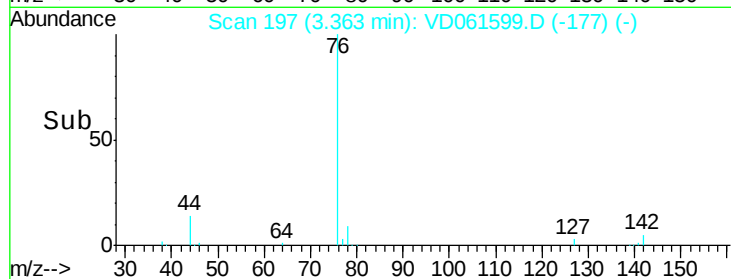
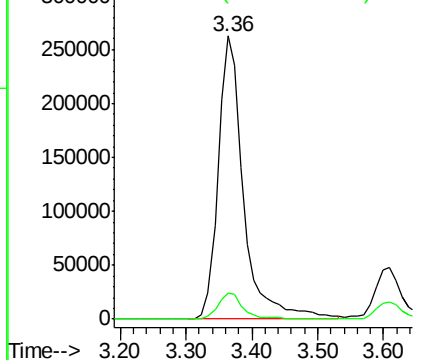
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

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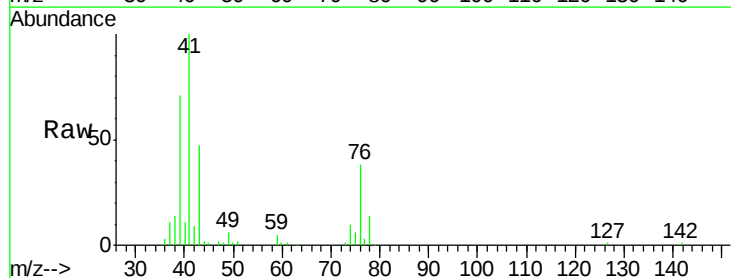


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

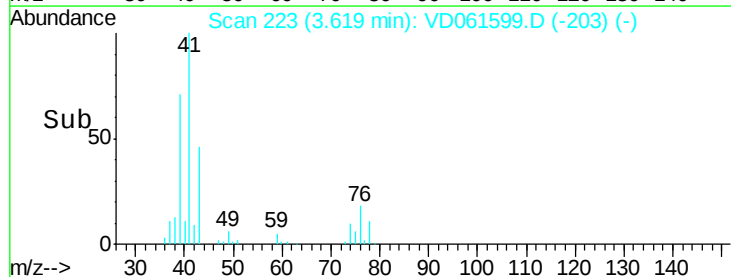
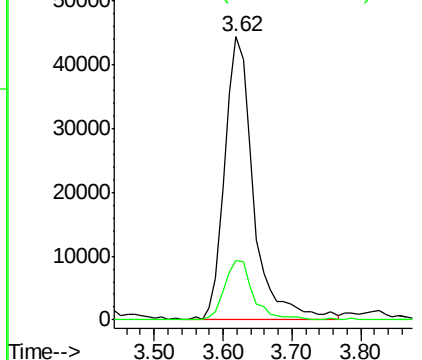


#18
Methyl Acetate
Concen: 56.441 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.7	25.1



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





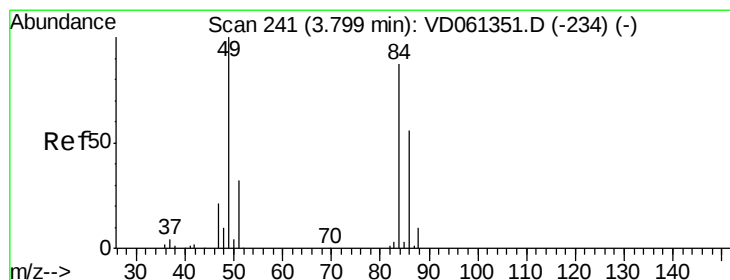
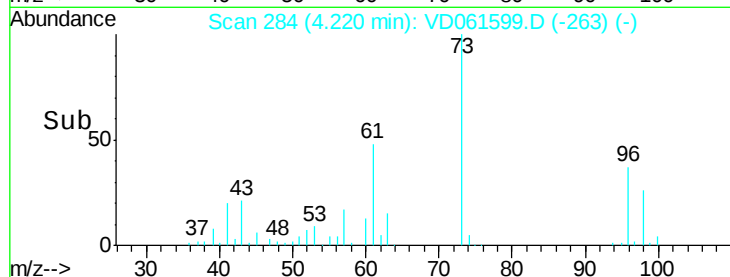
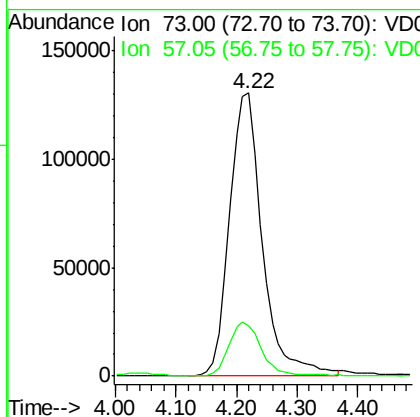
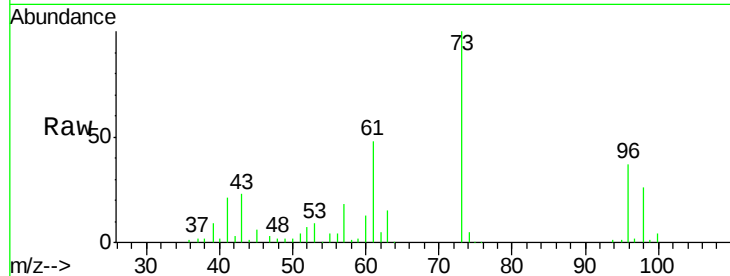
#19
Methyl tert-butyl Ether
Concen: 53.633 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 492148
Ion Ratio Lower Upper
73 100
57 18.0 16.4 24.6

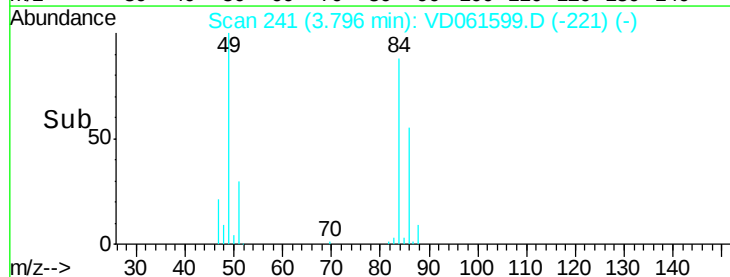
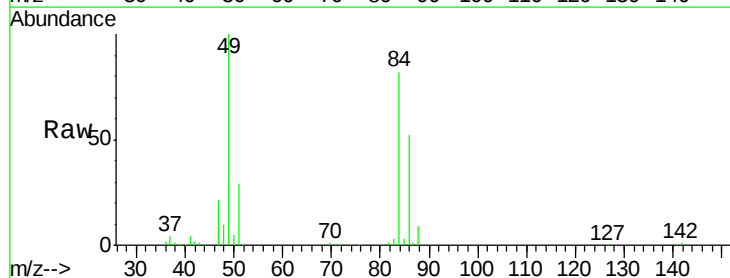
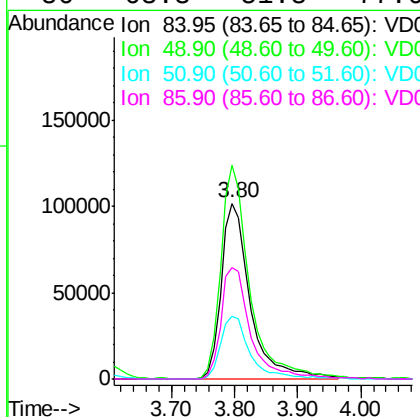
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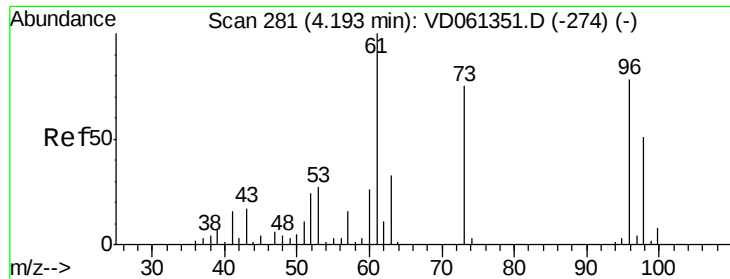
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#20
Methylene Chloride
Concen: 53.792 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion: 84 Resp: 325932
Ion Ratio Lower Upper
84 100
49 121.5 91.8 137.8
51 35.8 29.8 44.8
86 63.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.761 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 279070

Ion Ratio Lower Upper

96 100

61 129.4 102.7 154.1

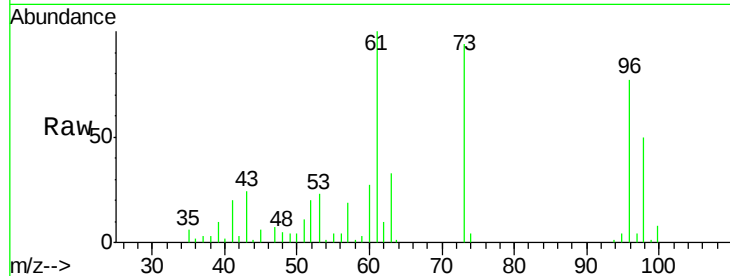
98 64.4 52.2 78.4

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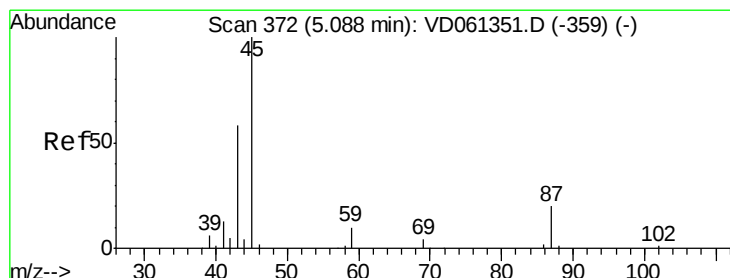
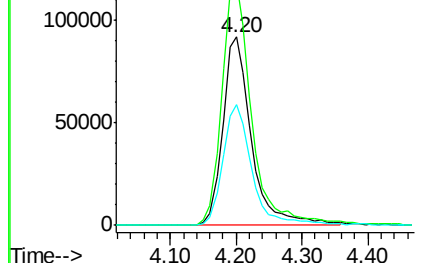
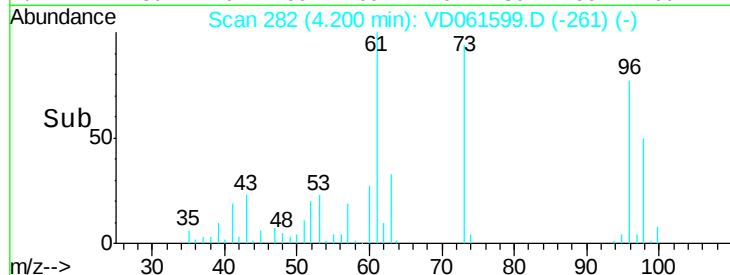
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 54.543 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Tgt Ion: 45 Resp: 853393

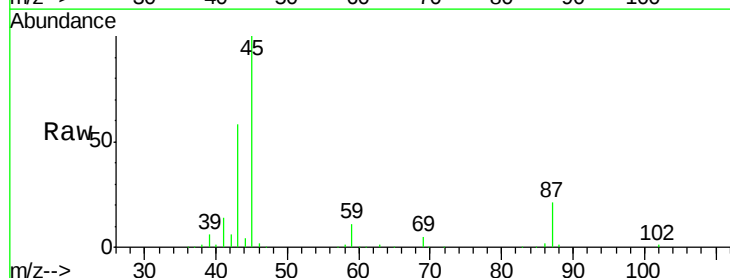
Ion Ratio Lower Upper

45 100

43 58.5 47.4 71.2

87 21.0 16.3 24.5

59 11.0 8.4 12.6

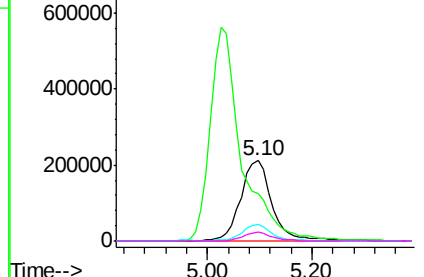
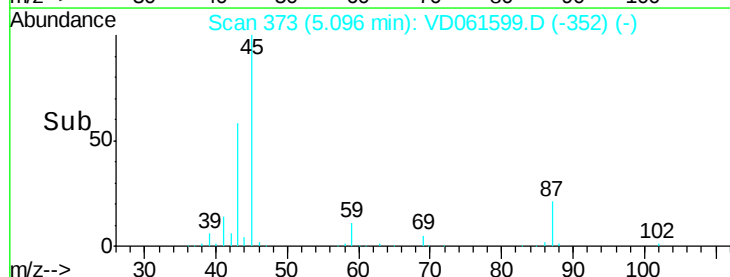


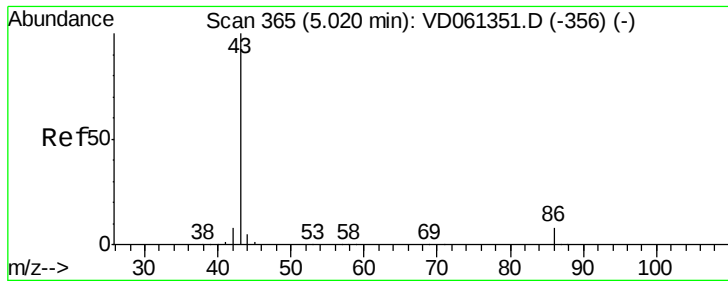
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 271.989 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2311643

Ion Ratio Lower Upper

43 100

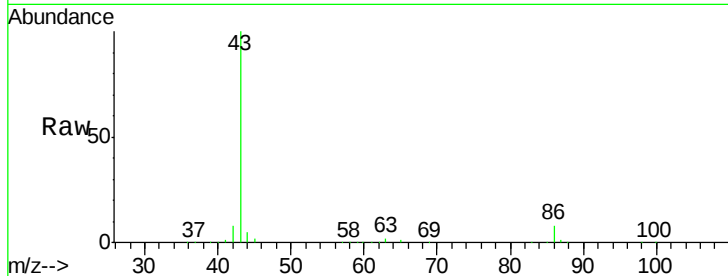
86 7.8 6.7 10.1

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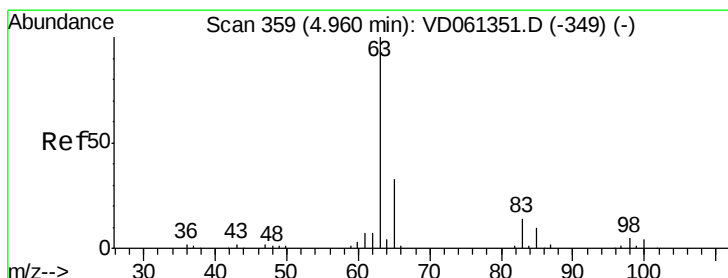
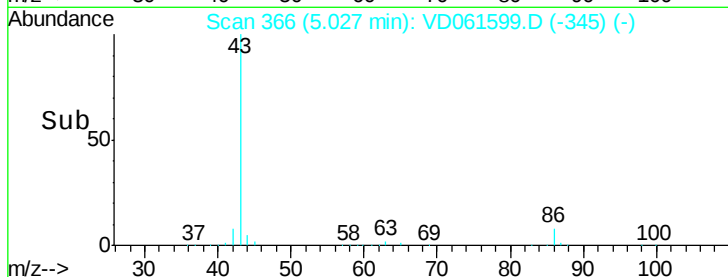
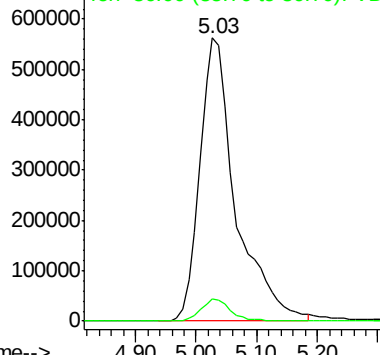
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.065 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

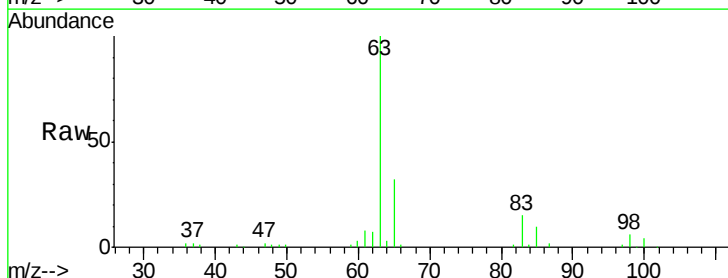
Tgt Ion: 63 Resp: 469556

Ion Ratio Lower Upper

63 100

98 5.6 2.6 8.0

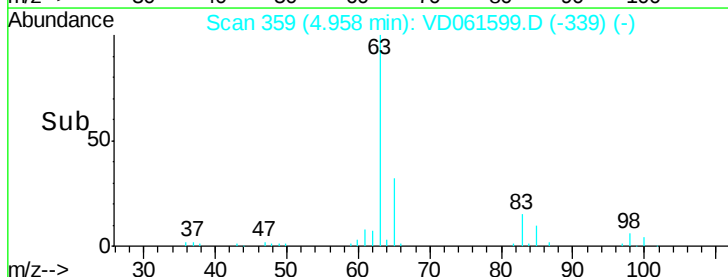
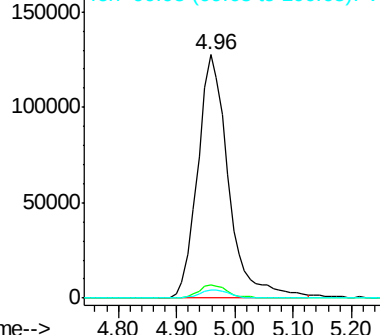
100 3.5 1.8 5.3

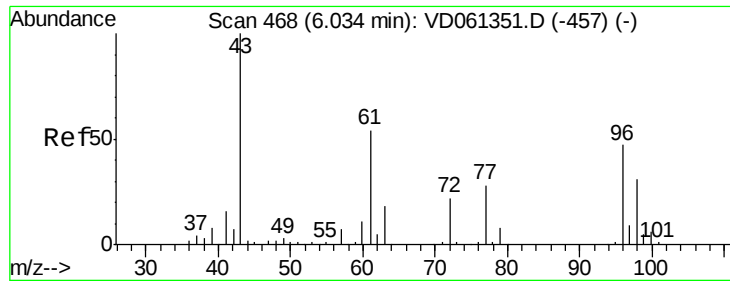


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 271.038 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Tot Ion: 43 Resp: 369762

Ion Ratio Lower Upper

43 100

72 21.8 17.2 25.8

Instrument :

MSVOA_D

ClientSampleId :

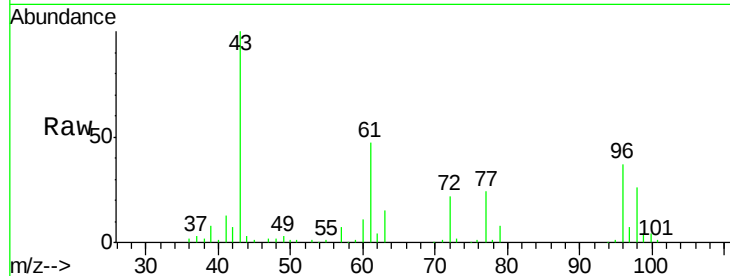
VSTDCCC050

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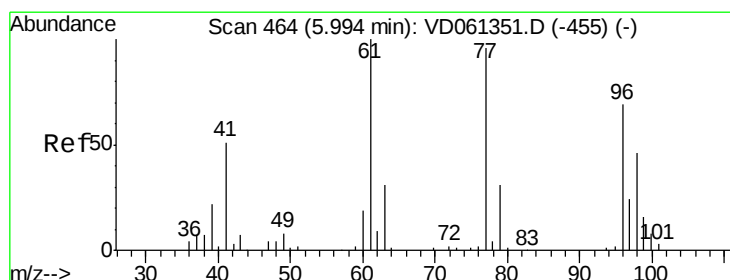
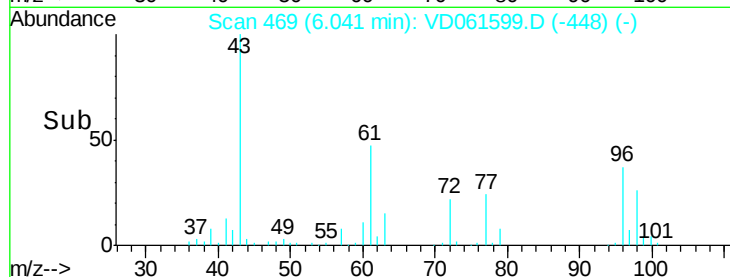
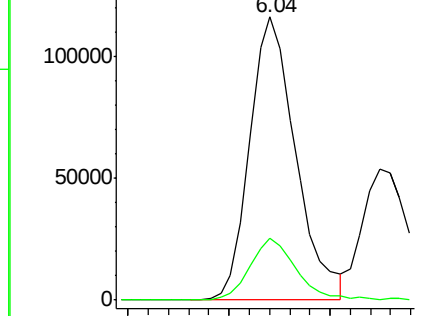
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.649 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061599.D

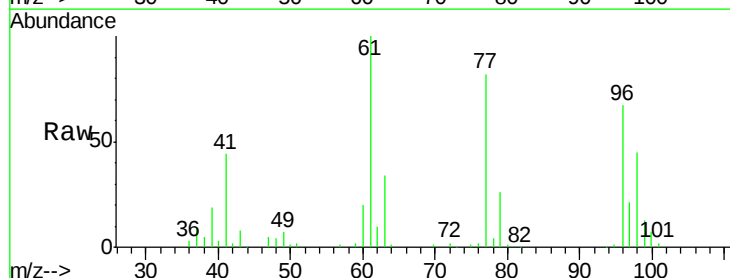
Acq: 5 Apr 2019 2:00

Tgt Ion: 77 Resp: 384843

Ion Ratio Lower Upper

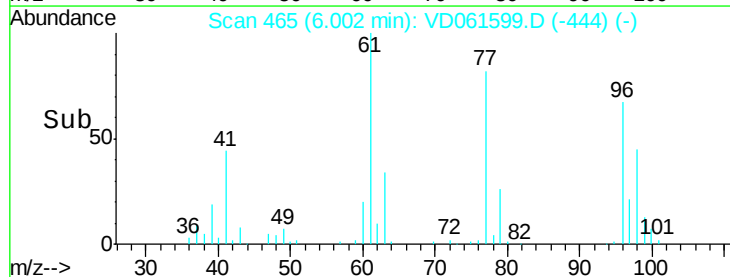
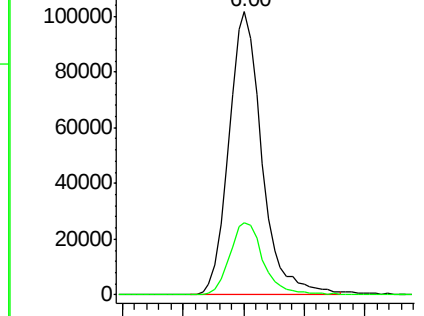
77 100

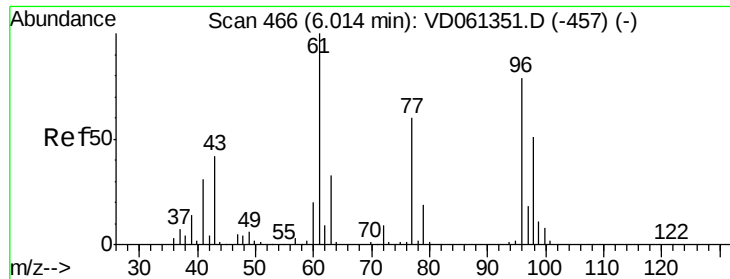
97 25.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

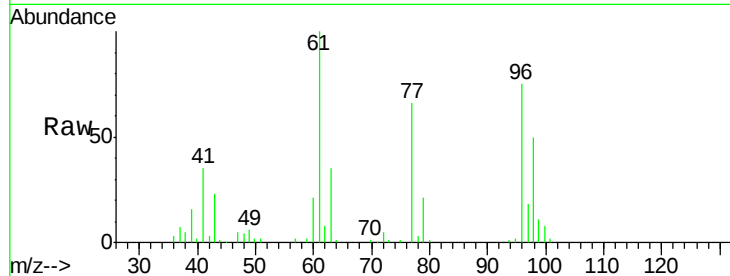
cis-1,2-Dichloroethene
Concen: 52.829 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

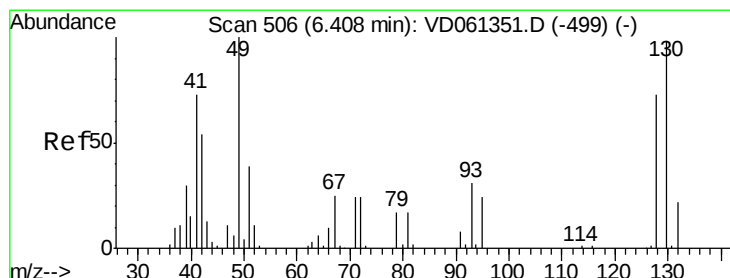
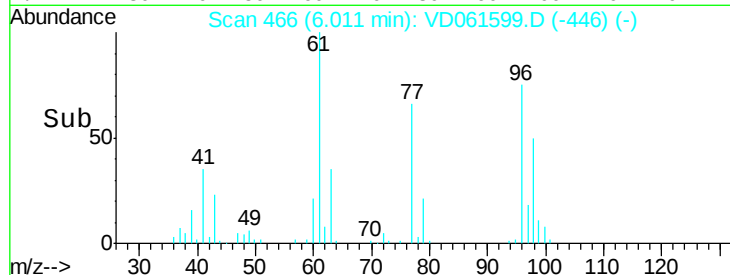
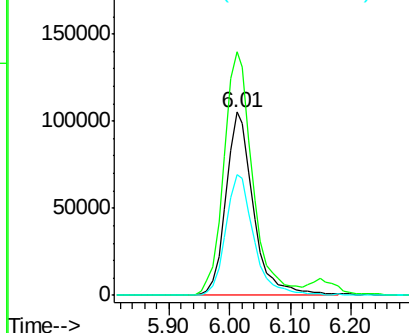
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.2	0.0	251.6	
98	66.3	0.0	129.2	

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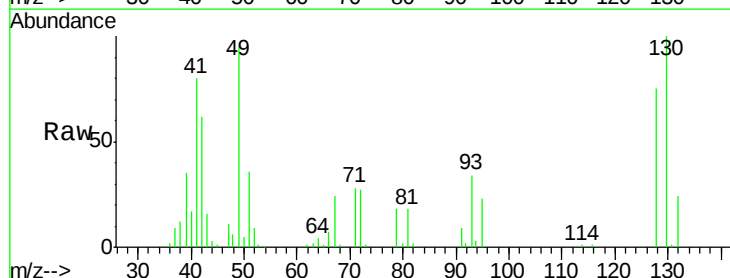
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



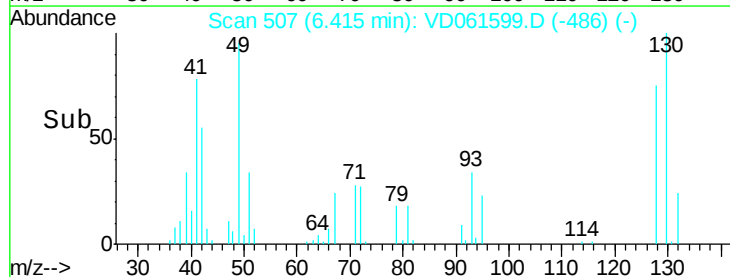
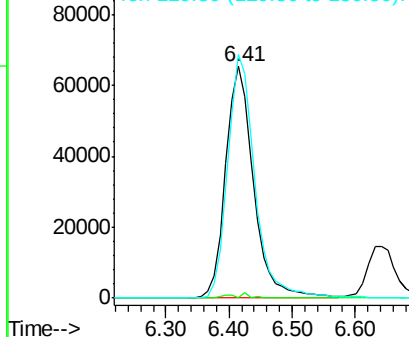
#28

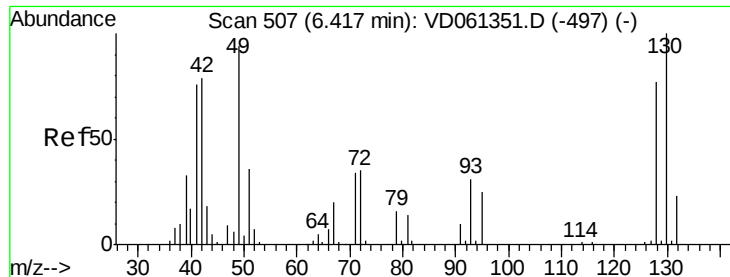
Bromochloromethane
Concen: 54.060 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	0.0	
130	105.1	78.4	117.6	



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





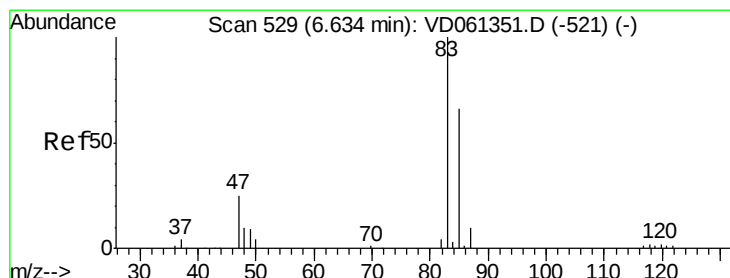
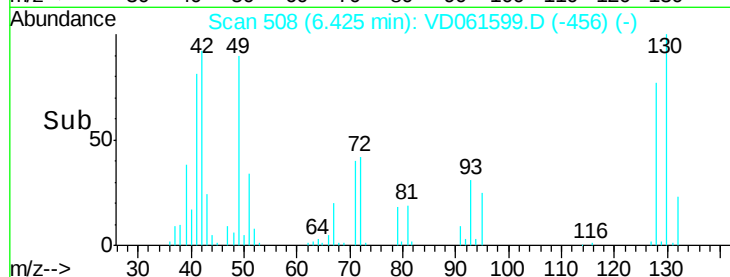
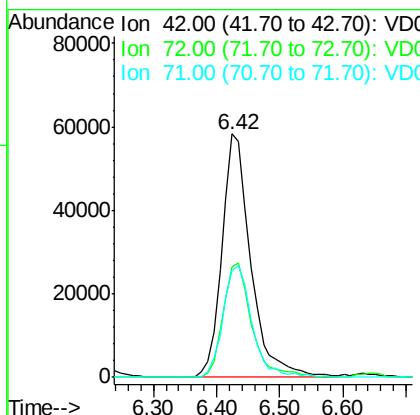
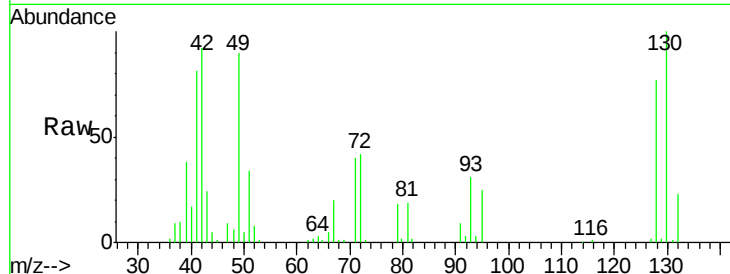
#29
Tetrahydrofuran
Concen: 280.240 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	185307		
72	46.5		37.4	56.0
71	45.9		36.7	55.1

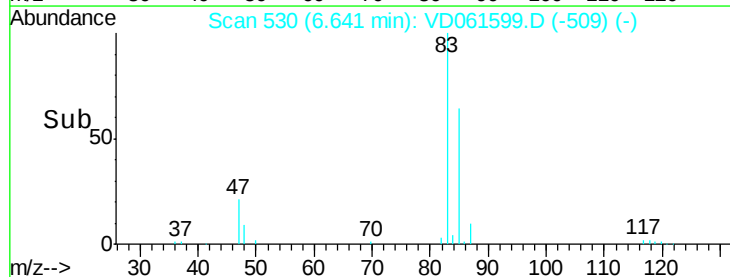
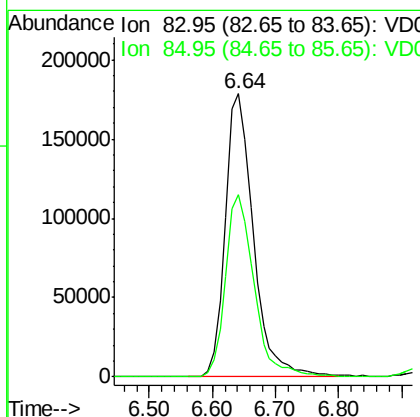
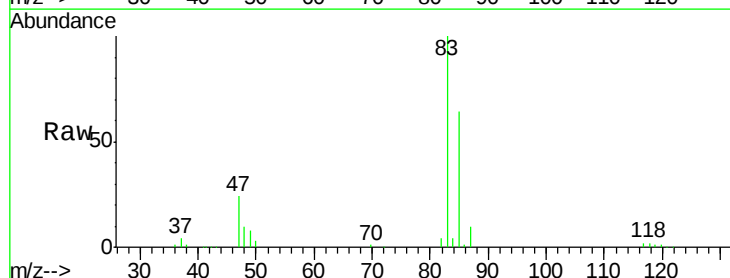
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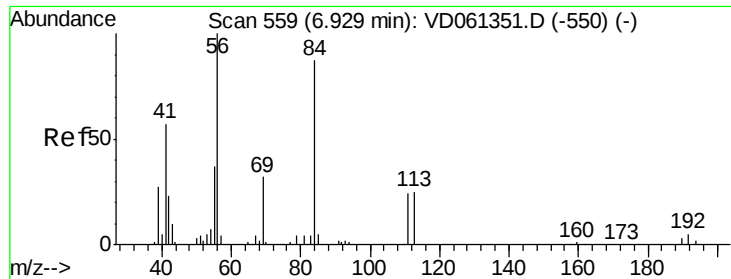
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#30
Chloroform
Concen: 57.996 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	551031		
85	64.4		53.0	79.4





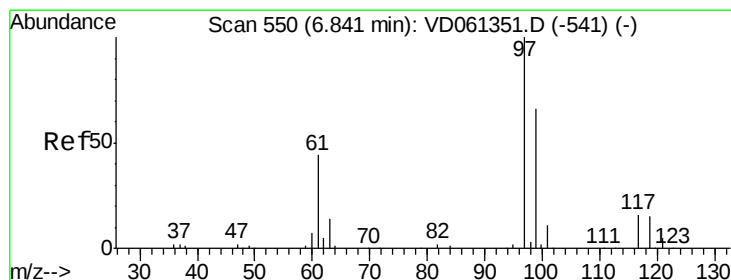
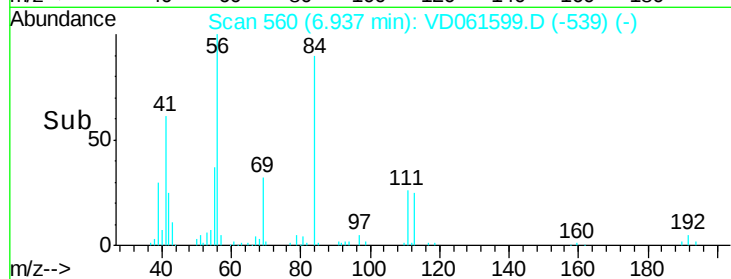
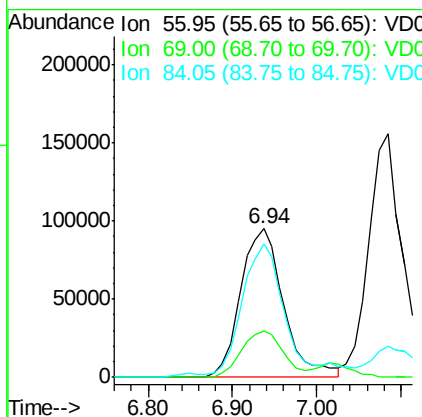
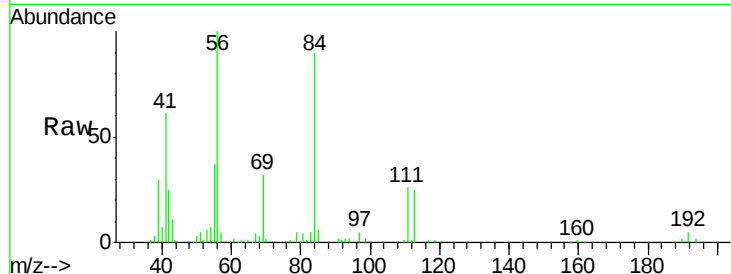
#31
Cyclohexane
Concen: 46.472 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.7	38.5
84	90.1	70.6	105.8

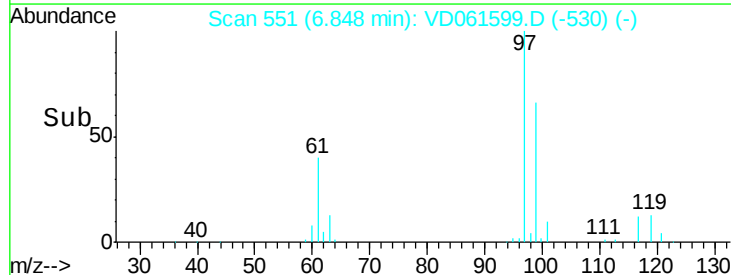
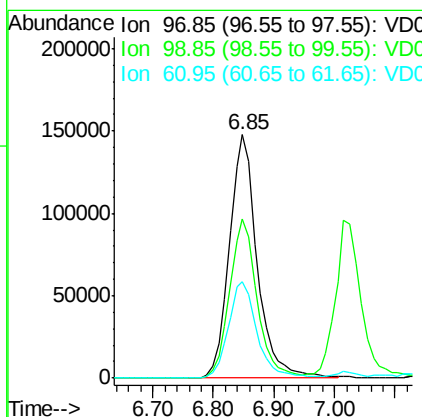
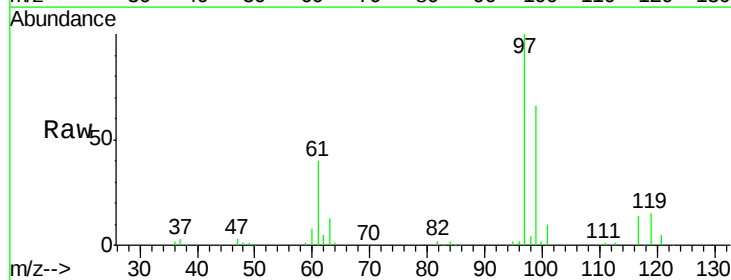
Manual Integrations
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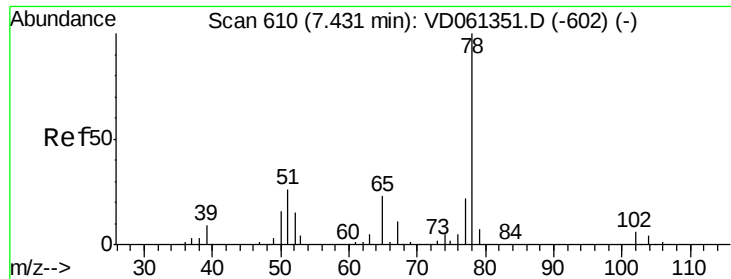
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#32
1,1,1-Trichloroethane
Concen: 55.946 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	53.1	79.7
61	39.7	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 55.946 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 240849

Ion Ratio Lower Upper

65 100

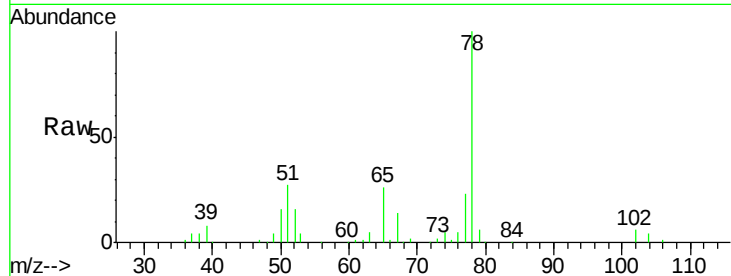
67 51.2 0.0 99.8

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

100000

80000

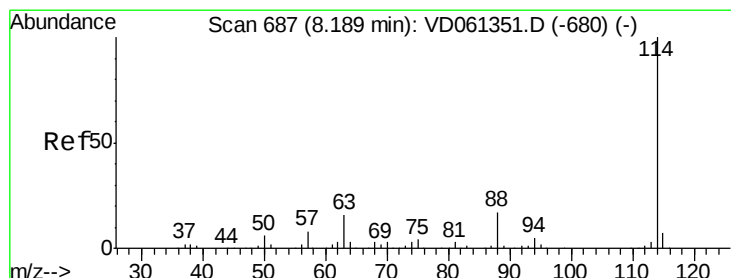
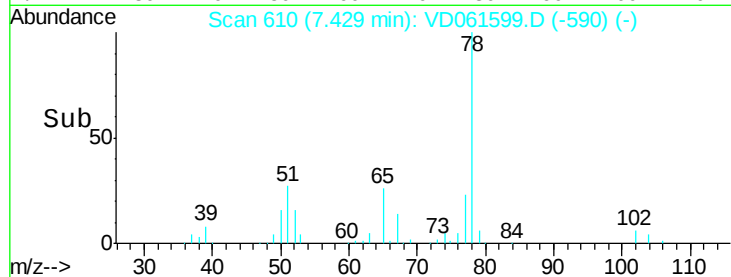
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

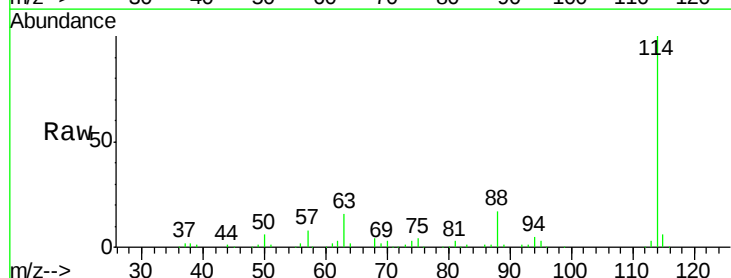
Tgt Ion: 114 Resp: 782586

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.6

88 16.7 0.0 33.4



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

8.20

400000

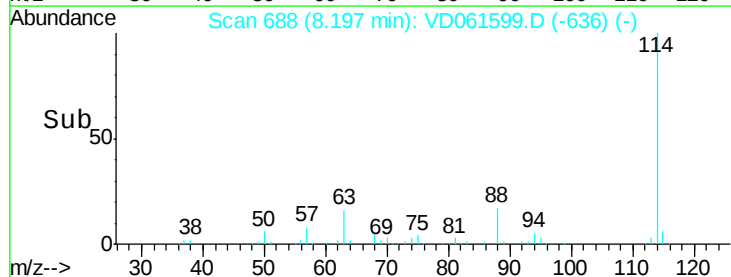
300000

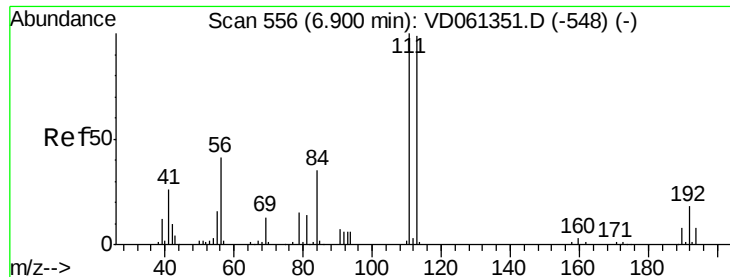
200000

100000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

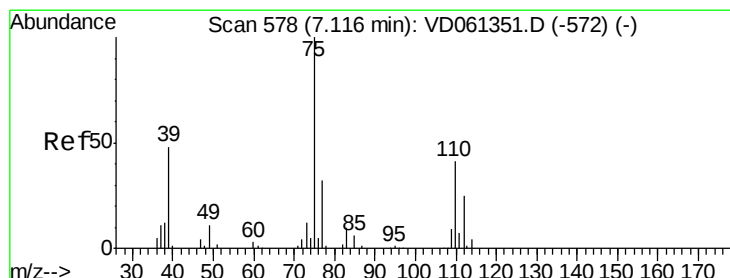
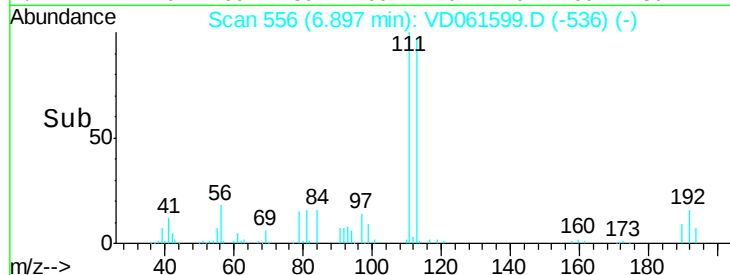
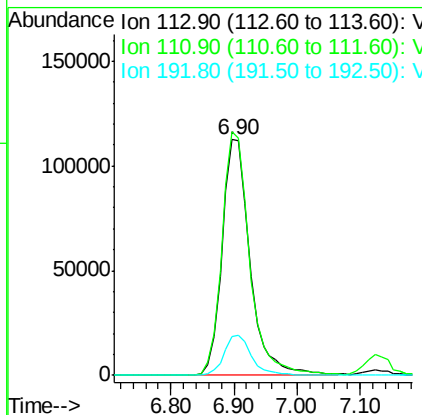
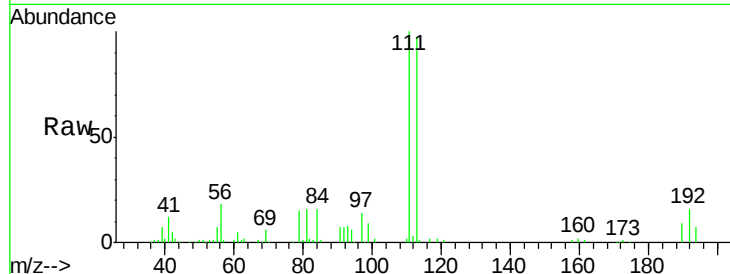
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	346793
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.0	121.6
192	16.4	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 52.860 ug/l

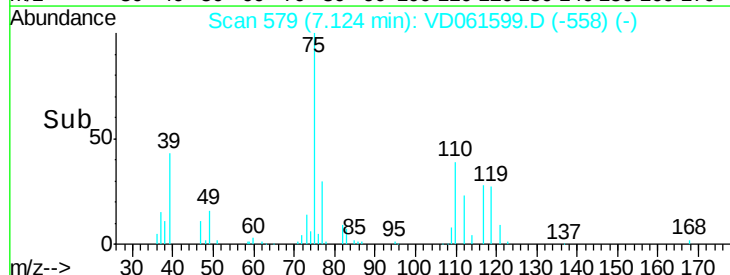
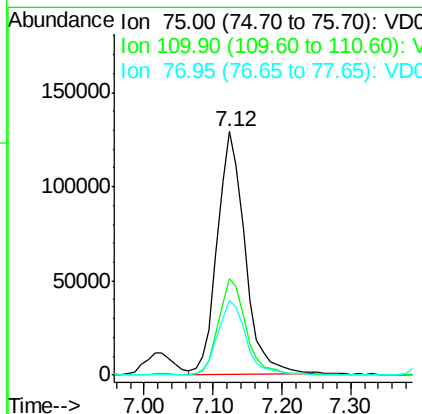
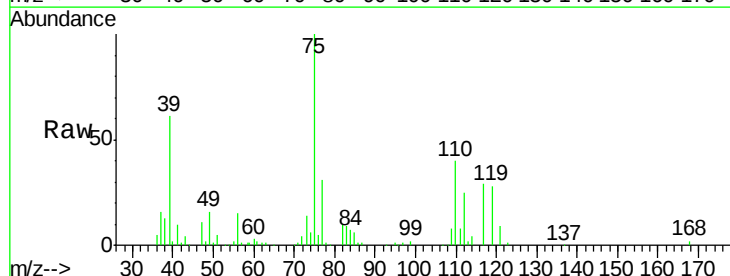
RT: 7.12 min Scan# 579

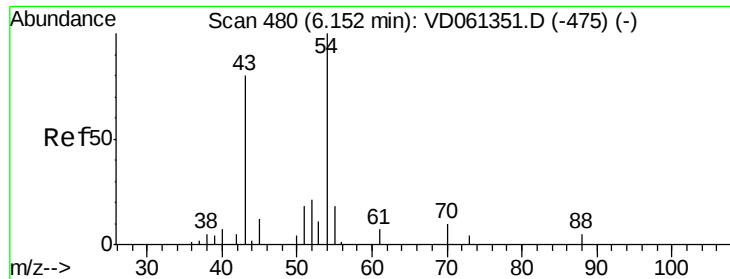
Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Tgt Ion:	75	Resp:	361044
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.4	61.3
77	30.8	24.9	37.3





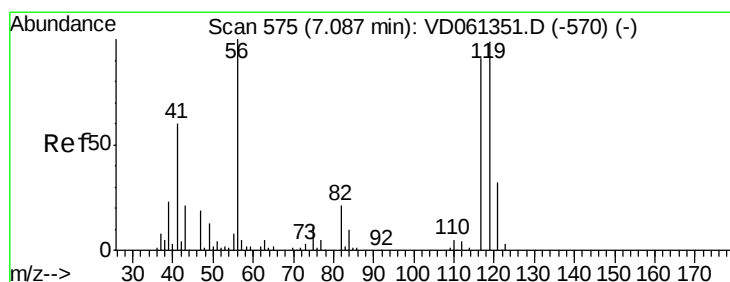
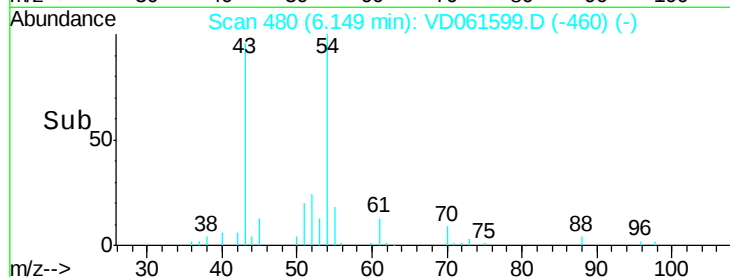
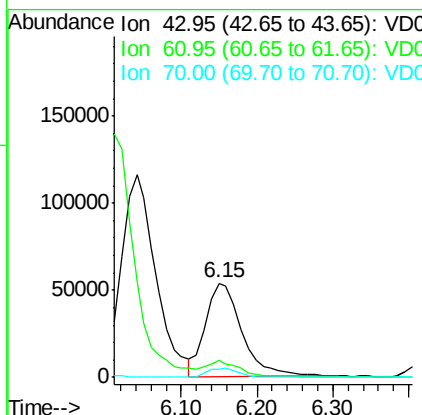
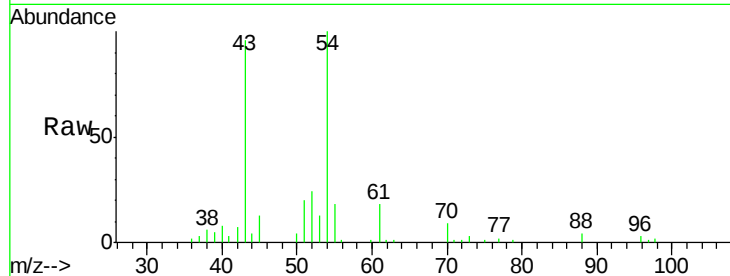
#37
Ethyl Acetate
Concen: 61.620 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	13.8	20.8
70	9.2	7.8	11.8

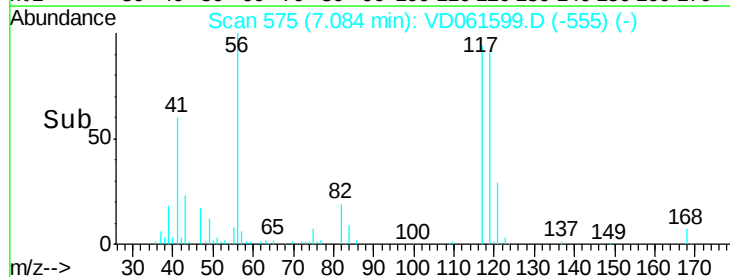
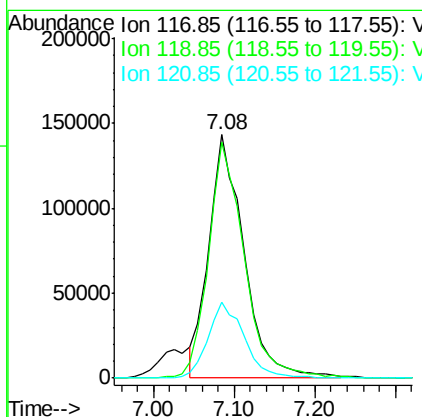
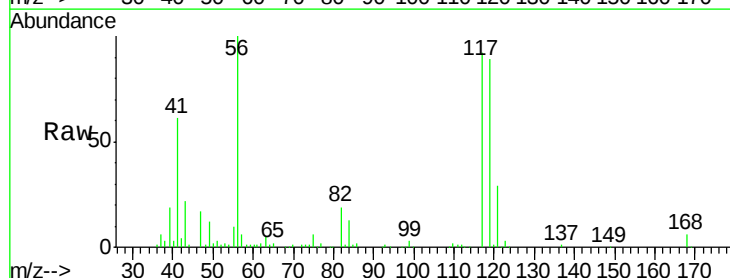
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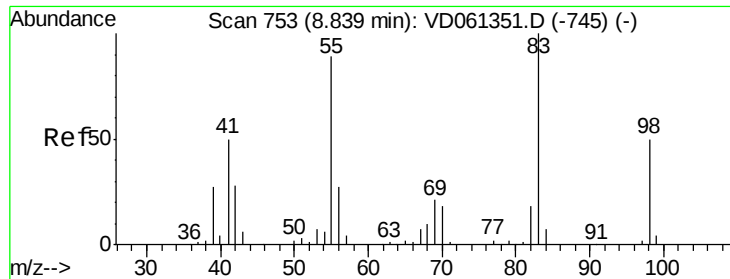
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#38
Carbon Tetrachloride
Concen: 55.785 ug/l m
RT: 7.08 min Scan# 575
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	80.1	120.1
121	31.2	25.6	38.4





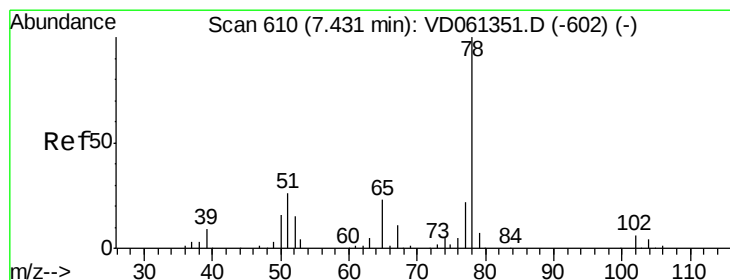
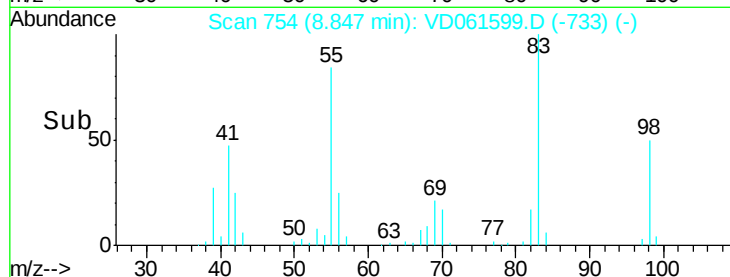
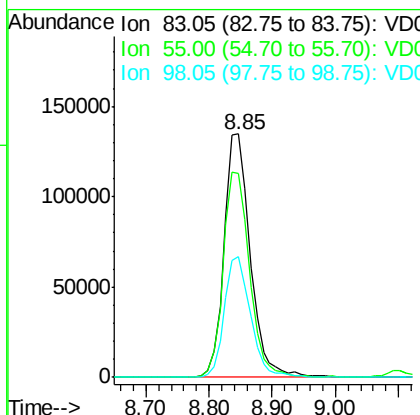
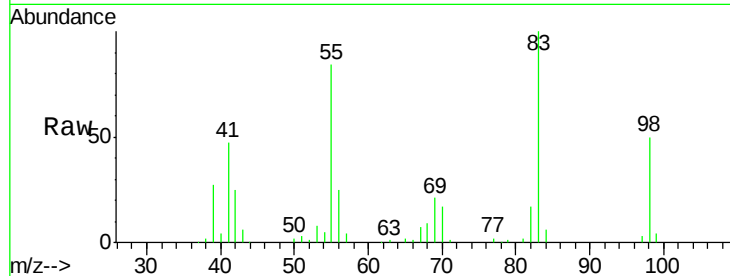
#39
Methvlcvclohexane
Concen: 54.482 ug/l
RT: 8.85 min Scan# 754
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	387567
Ion Ratio	Lower	Upper	
83	100		
55	84.0	71.5	107.3
98	49.8	40.3	60.5

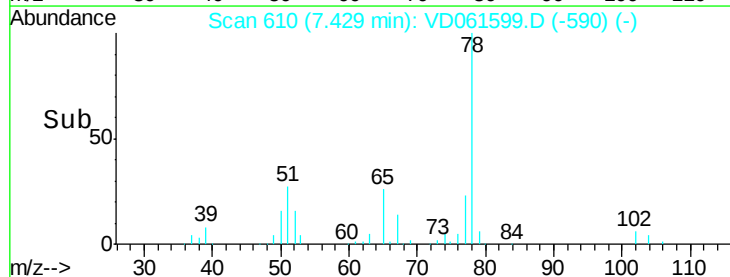
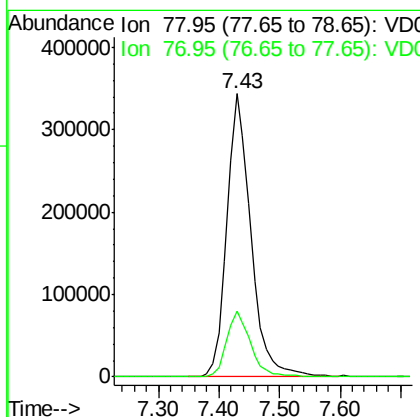
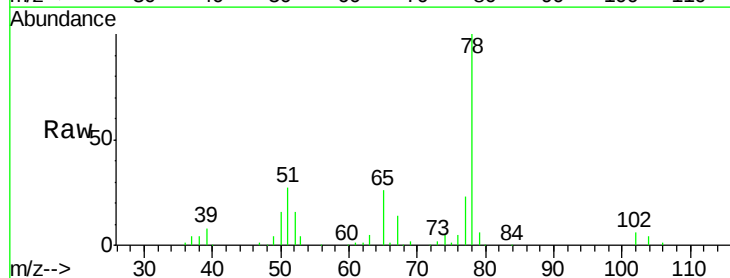
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#40
Benzene
Concen: 55.316 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	78	Resp	948229
Ion Ratio	Lower	Upper	
78	100		
77	23.1	17.8	26.6





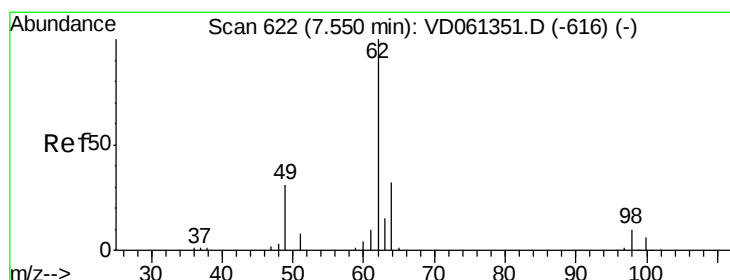
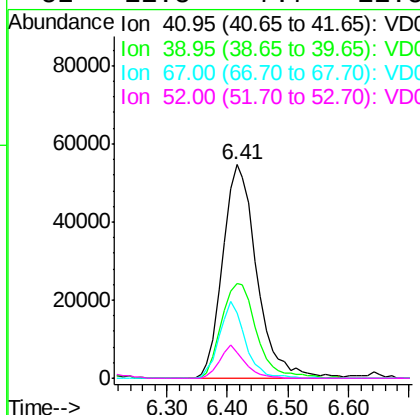
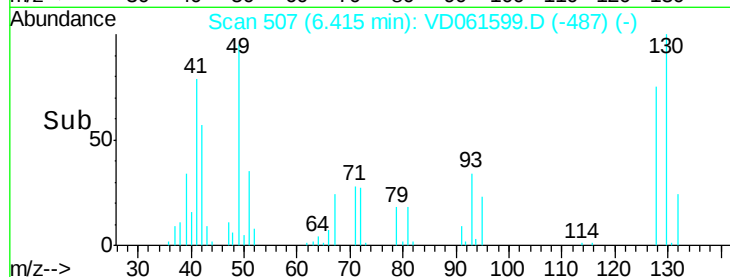
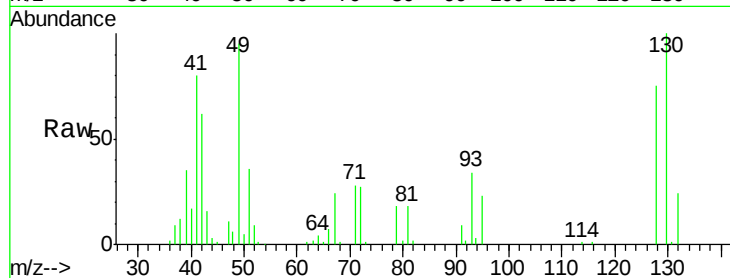
#41
Methacrylonitrile
Concen: 62.588 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.3	35.0	52.6
67	30.6	21.0	31.6
52	11.8	7.7	11.5

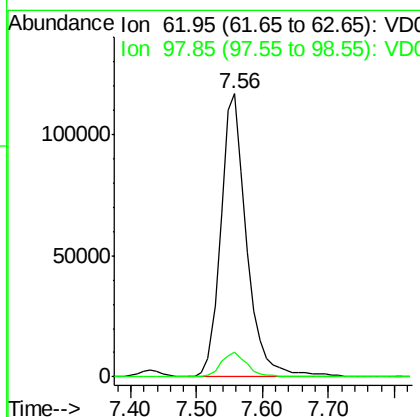
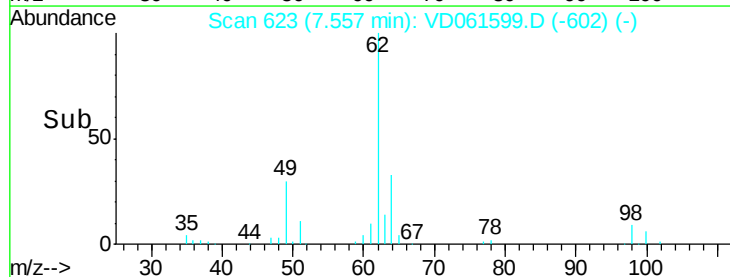
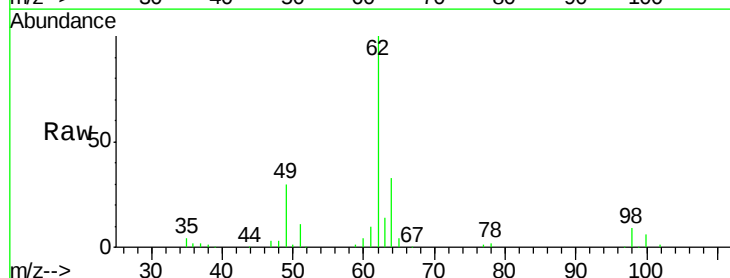
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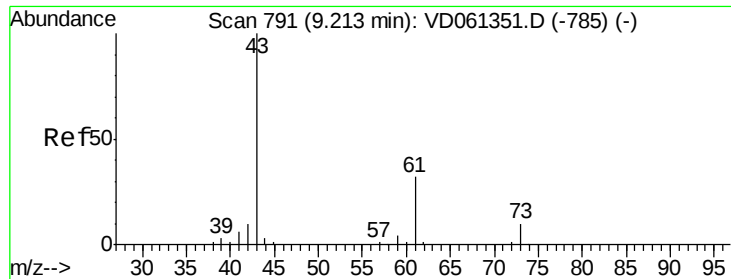
MMDadoda
4/5/2019 2:32:18 PM



#42
1,2-Dichloroethane
Concen: 62.330 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	19.8





#43

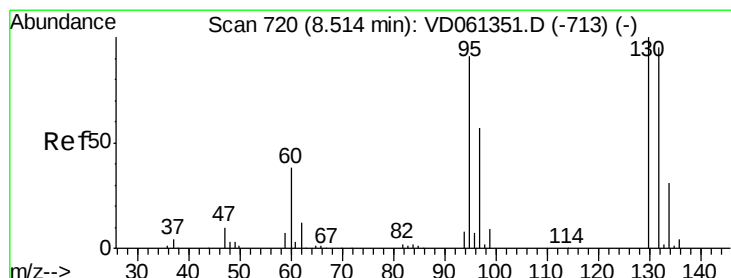
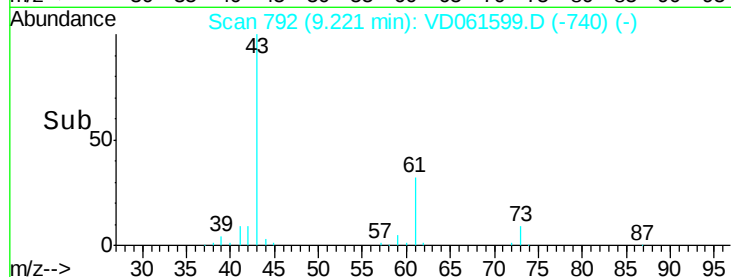
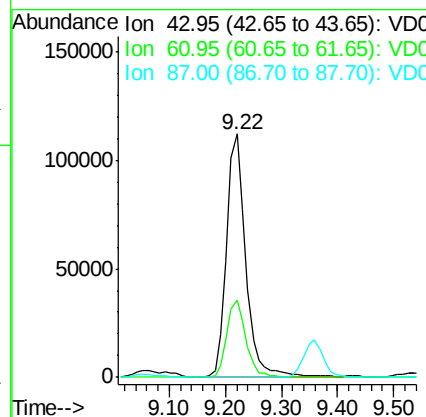
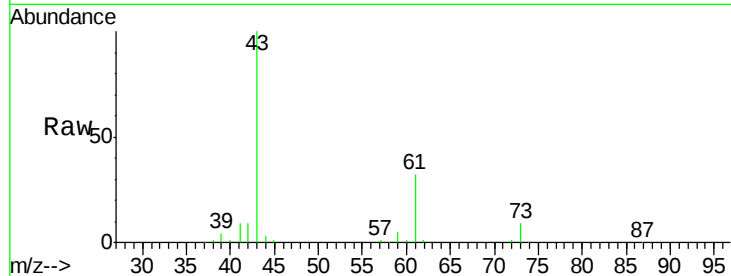
Isopropyl Acetate
 Concen: 63.509 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.8	38.6
87	0.4	0.0	0.0#

Manual Integrations
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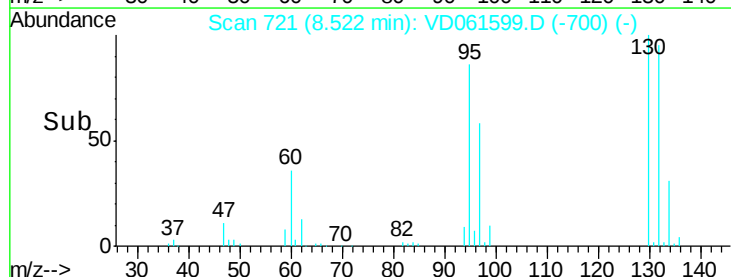
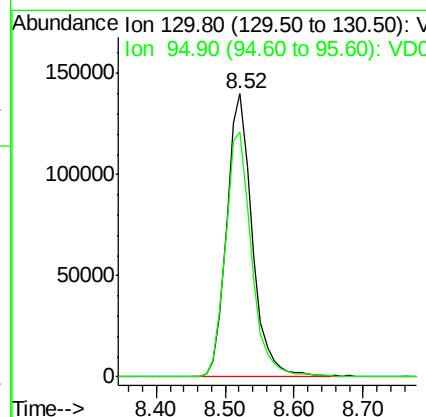
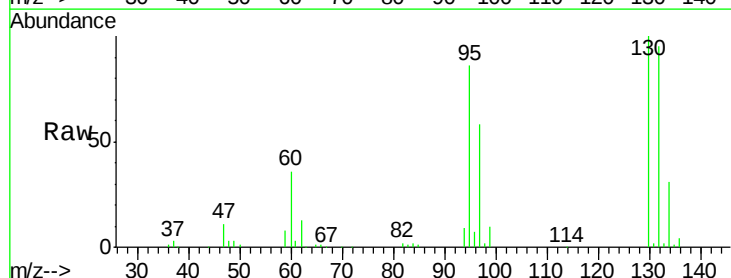
MMDadoda
 4/5/2019 2:32:18 PM

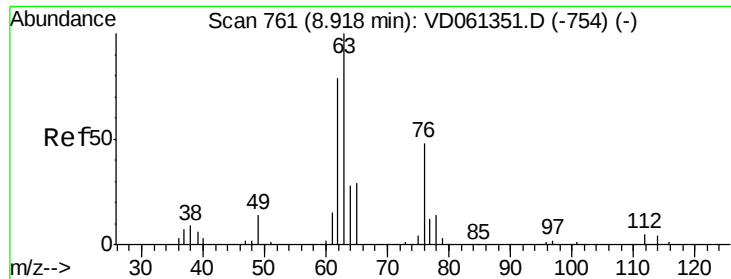


#44

Trichloroethene
 Concen: 56.325 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.3	0.0	181.4





#45

1,2-Dichloropropane

Concen: 54.694 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 237739

Ion Ratio Lower Upper

63 100

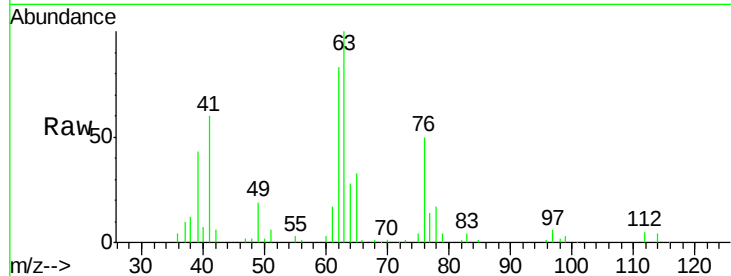
65 32.9 25.0 37.4

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

100000

80000

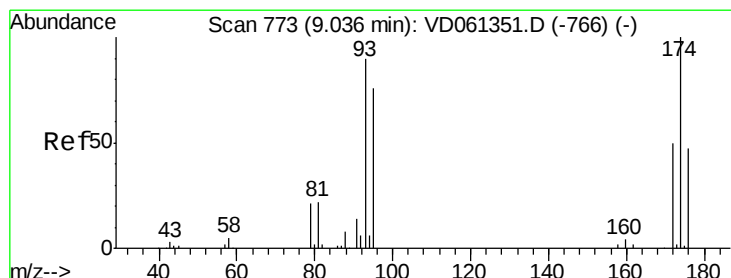
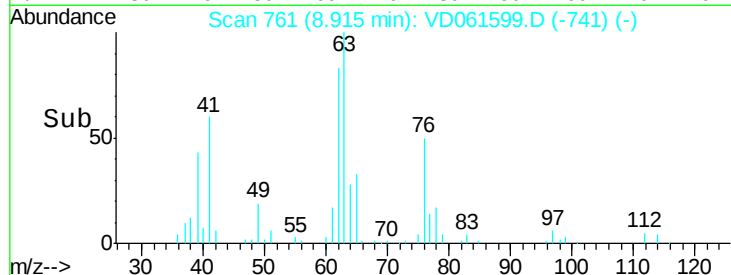
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 61.121 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

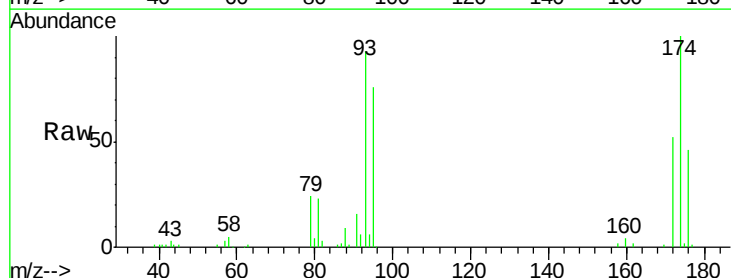
Tgt Ion: 93 Resp: 178818

Ion Ratio Lower Upper

93 100

95 81.5 67.4 101.0

174 107.4 88.9 133.3



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

100000

80000

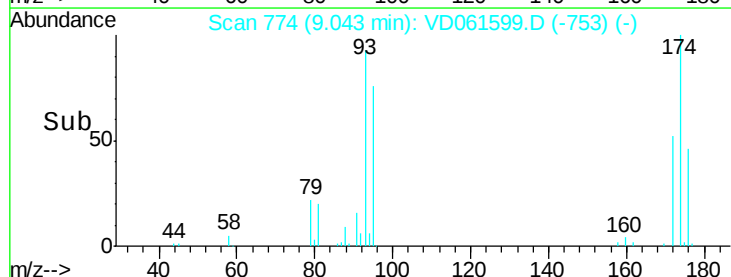
60000

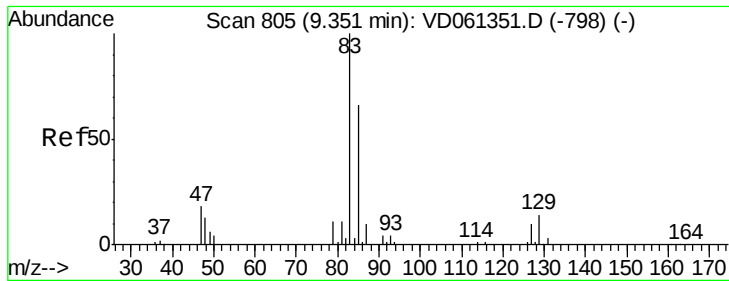
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 60.482 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

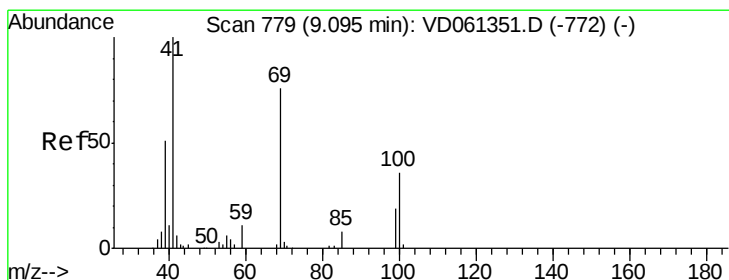
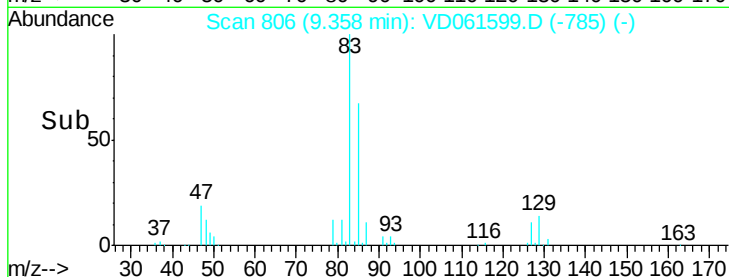
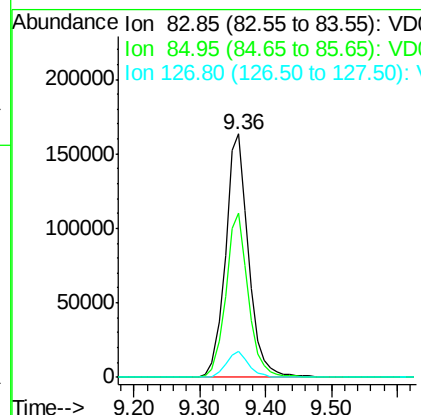
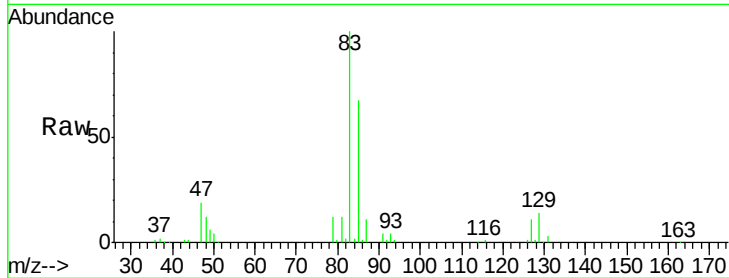
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	397153
Ion Ratio	Lower	Upper	
83	100		
85	67.5	53.0	79.4
127	10.8	8.4	12.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.806 ug/l

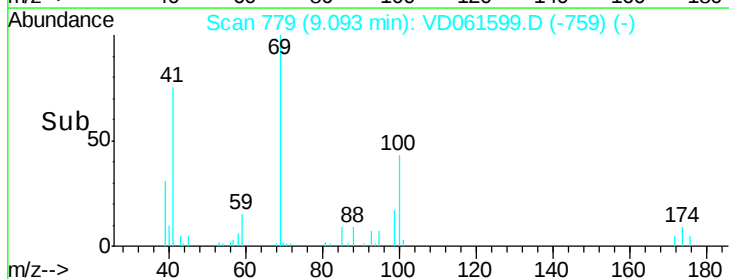
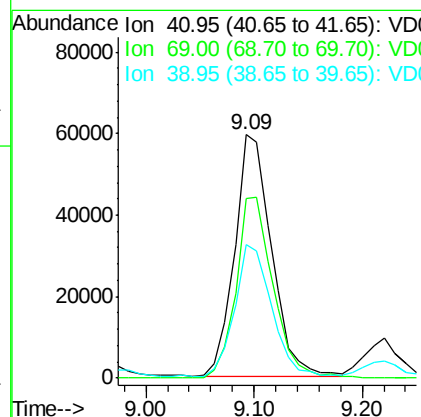
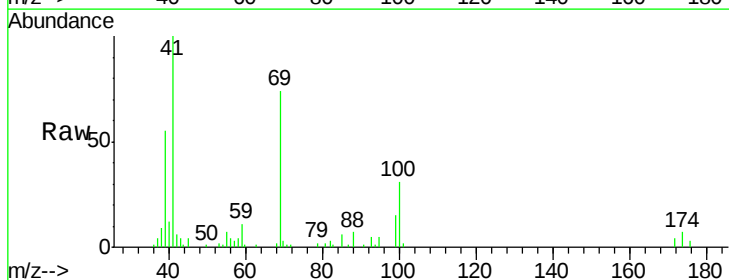
RT: 9.09 min Scan# 779

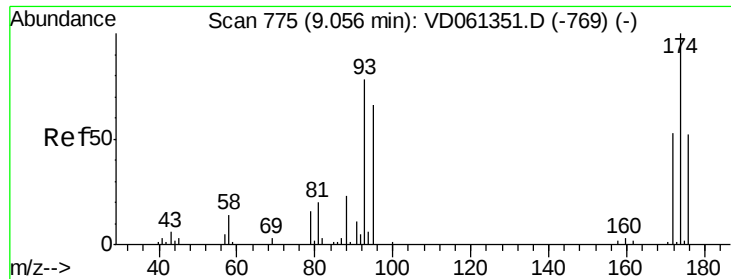
Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Tgt Ion:	41	Resp:	140283
Ion Ratio	Lower	Upper	
41	100		
69	73.6	60.2	90.4
39	55.1	41.4	62.2





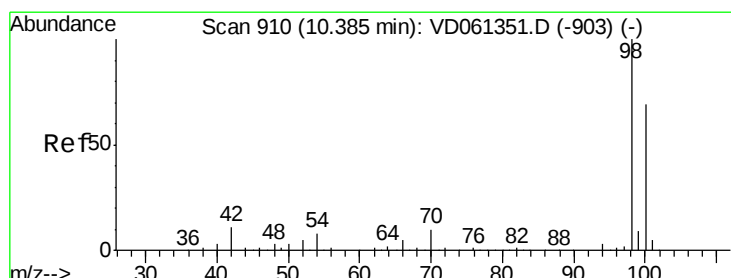
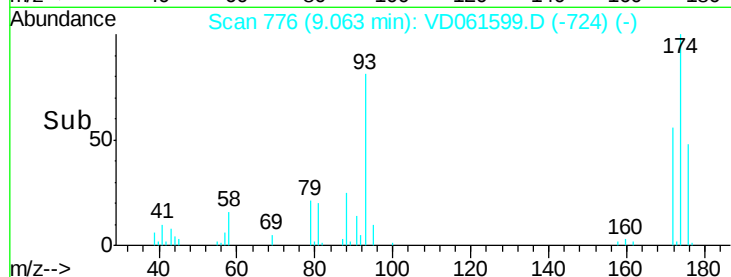
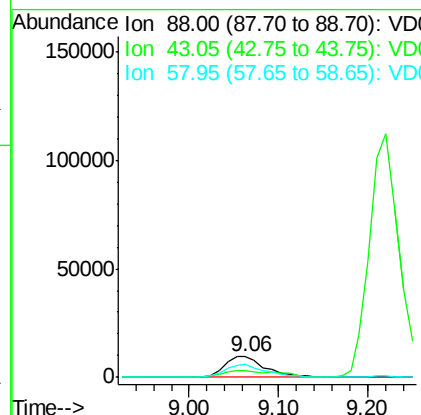
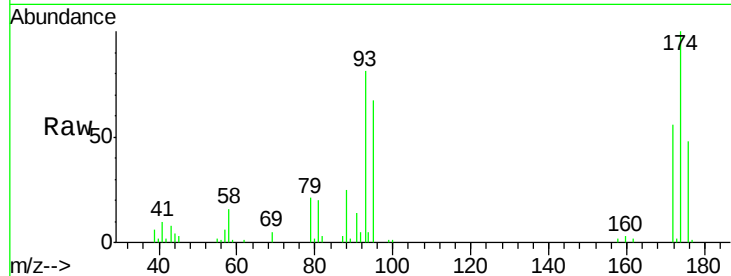
#49
1,4-Dioxane
Concen: 1195.889 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	30940		
43	32.4	23.3	34.9	
58	65.0	50.8	76.2	

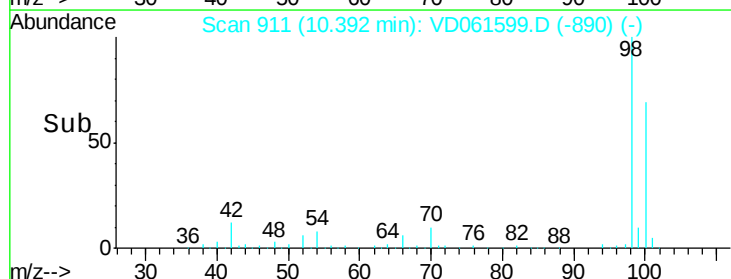
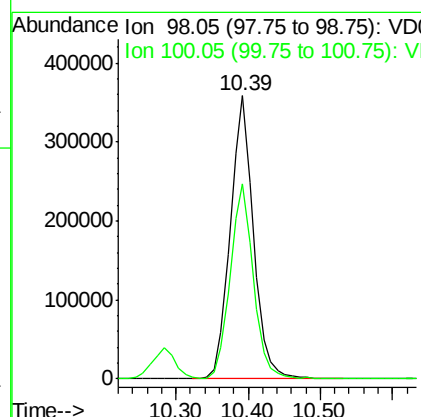
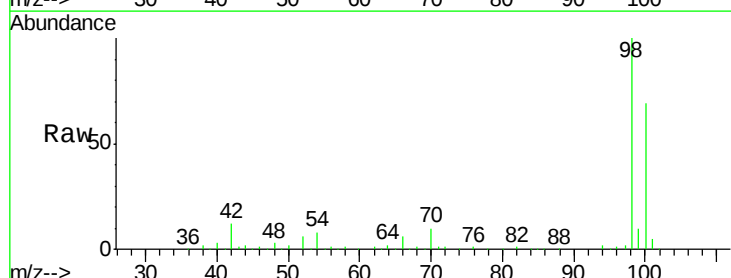
Manual Integrations
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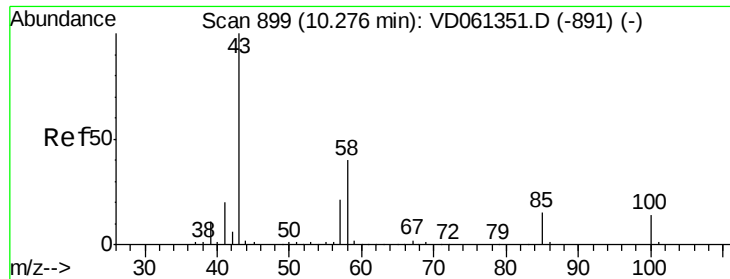
MMDadoda
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#50
Toluene-d8
Concen: 1195.889 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	798790		
100	68.7	56.2	84.2	





#51

4-Methyl-2-Pentanone

Concen: 284.720 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 736221

Ion Ratio Lower Upper

43 100

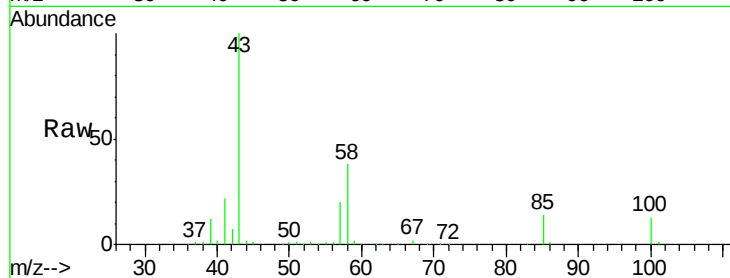
58 37.7 31.8 47.8

Manual Integrations

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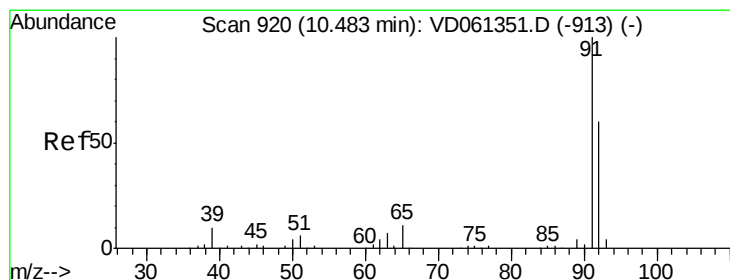
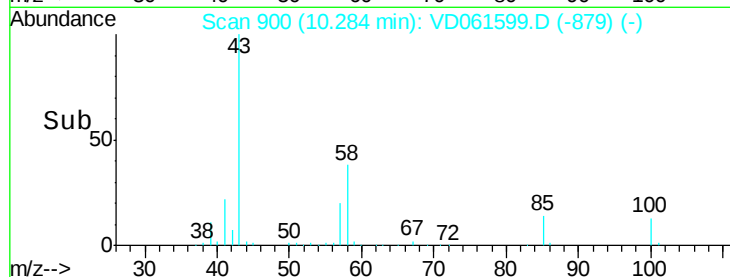
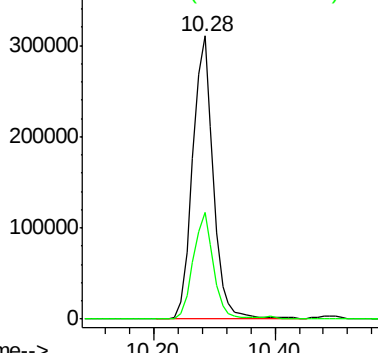
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 56.433 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061599.D

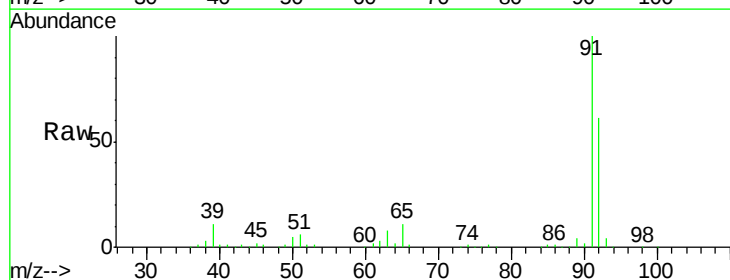
Acq: 5 Apr 2019 2:00

Tgt Ion: 92 Resp: 590168

Ion Ratio Lower Upper

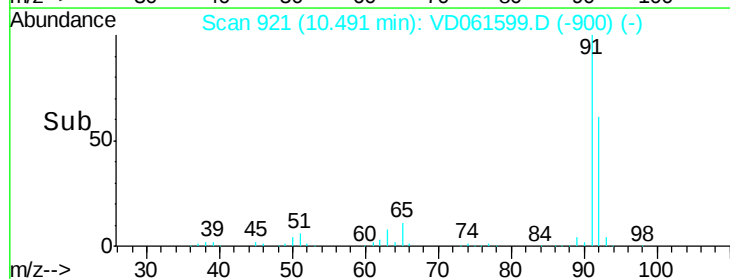
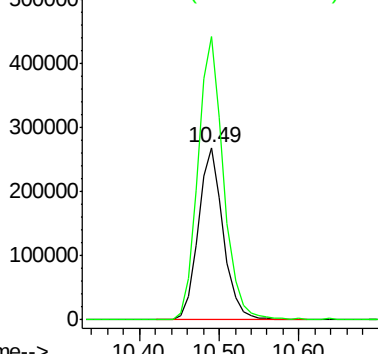
92 100

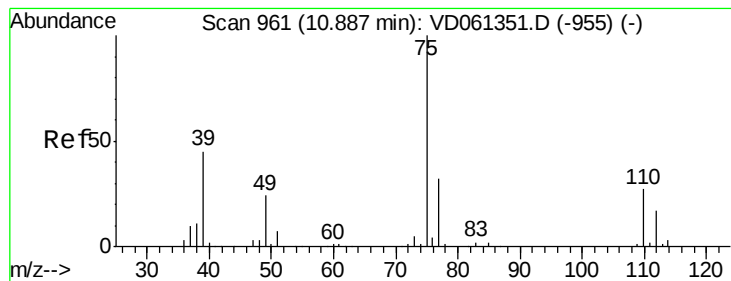
91 164.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 63.488 ug/l

RT: 10.89 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Tot Ion: 75 Resp: 378770

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

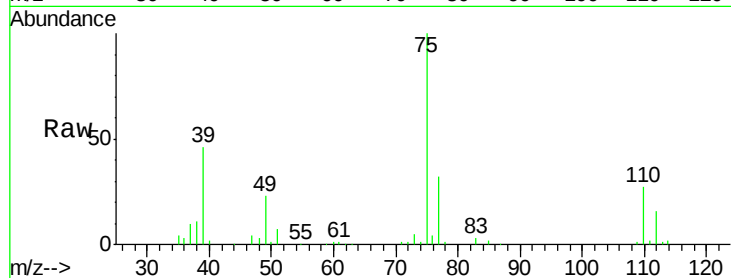
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.89

200000

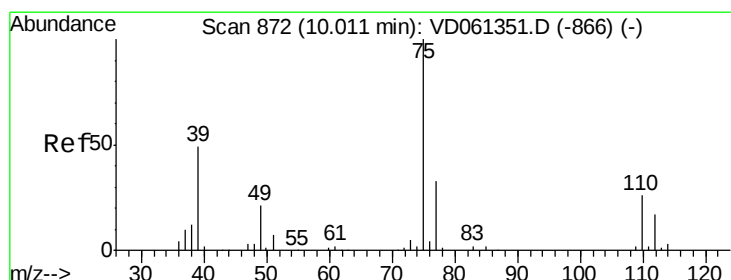
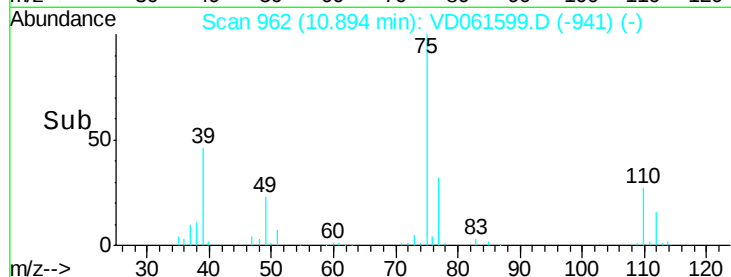
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 59.452 ug/l

RT: 10.02 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

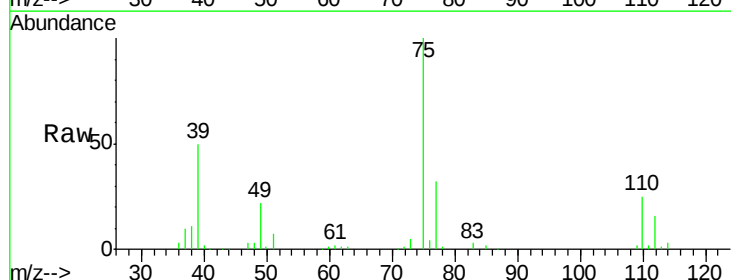
Tgt Ion: 75 Resp: 431895

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4

39 50.0 39.4 59.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.02

250000

200000

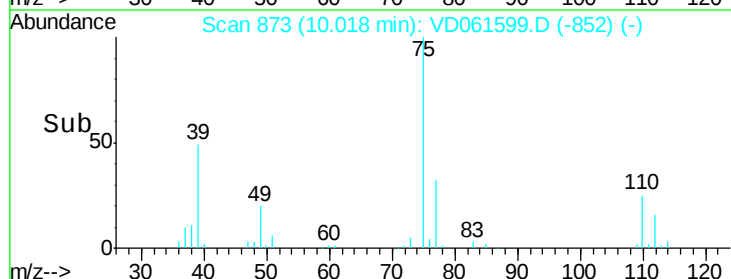
150000

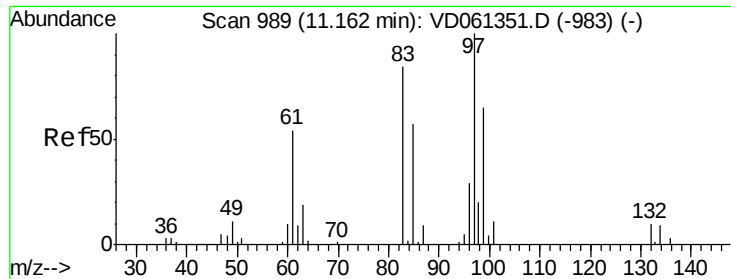
100000

50000

0

Time-->





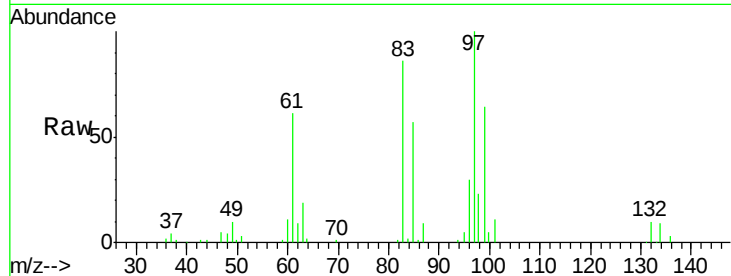
#55
 1,1,2-Trichloroethane
 Concen: 58.066 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

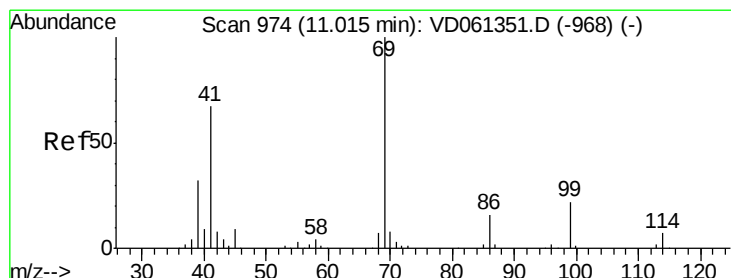
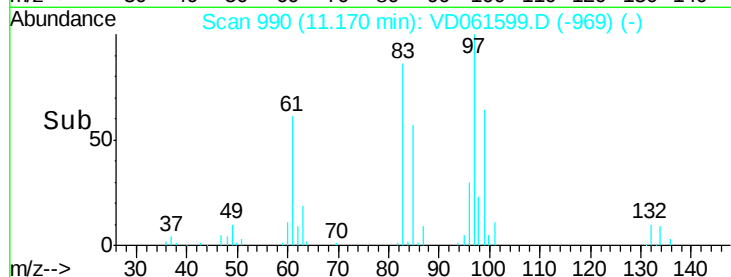
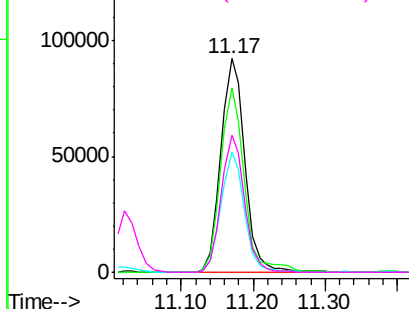
Tot Ion:	97	Resp:	212367
Ion Ratio	Lower	Upper	
97	100		
83	86.3	67.0	100.6
85	56.6	45.4	68.2
99	64.2	51.9	77.9

Manual Integrations
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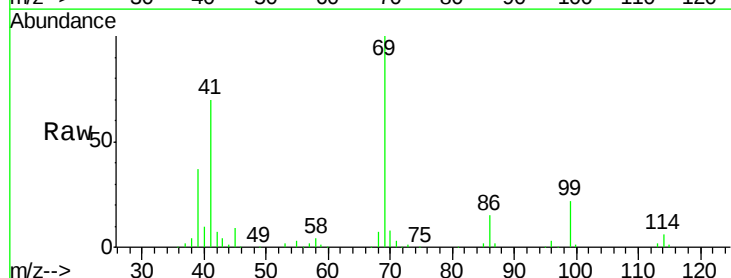


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

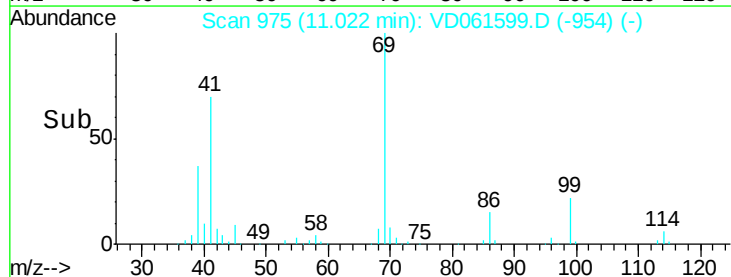
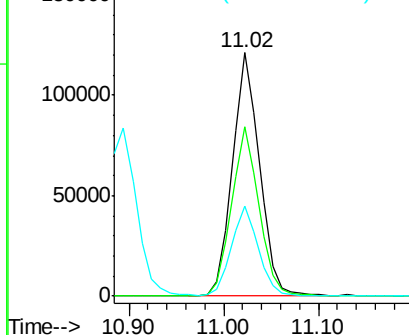


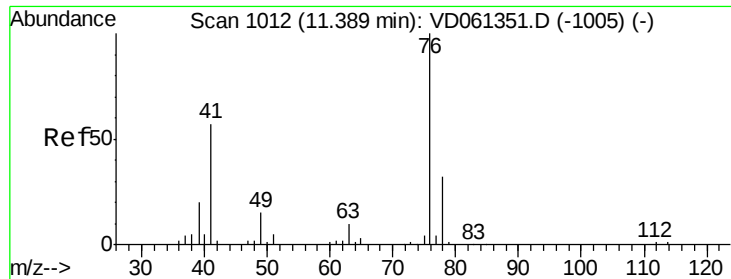
#56
 Ethyl methacrylate
 Concen: 61.310 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Tgt Ion:	69	Resp:	240887
Ion Ratio	Lower	Upper	
69	100		
41	69.8	53.8	80.6
39	37.0	26.4	39.6



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: 53.330 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 286681

Ion Ratio Lower Upper

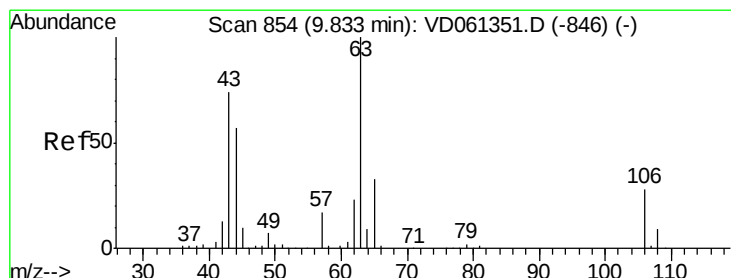
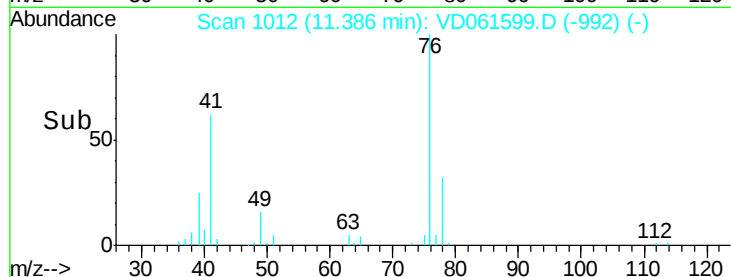
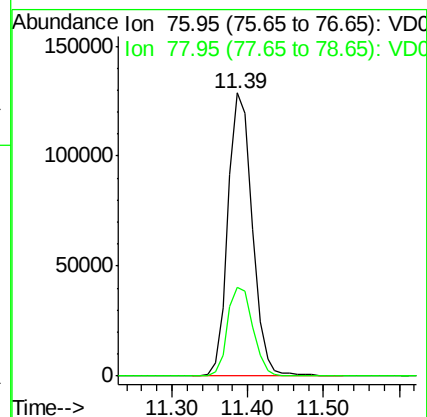
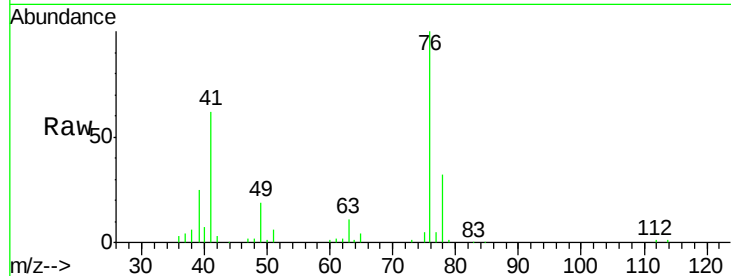
76 100

78 31.6 25.4 38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 337.967 ug/l

RT: 9.84 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD061599.D

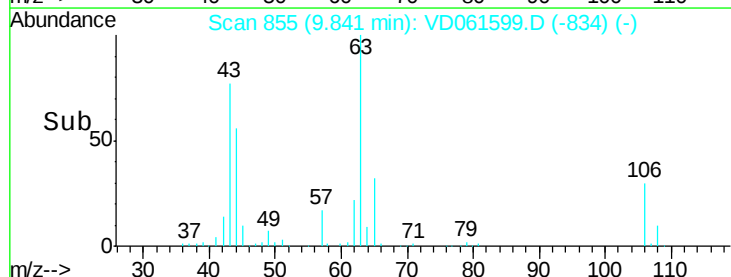
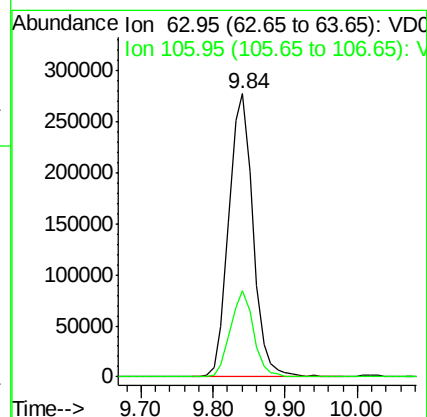
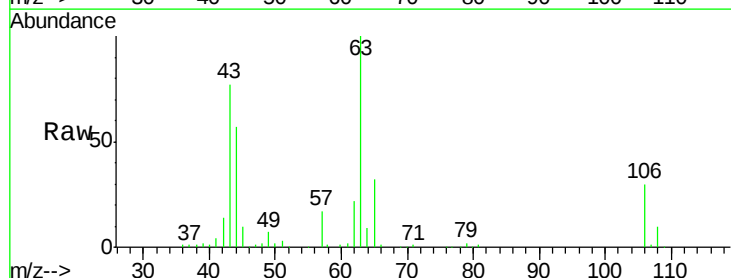
Acq: 5 Apr 2019 2:00

Tgt Ion: 63 Resp: 646663

Ion Ratio Lower Upper

63 100

106 30.4 22.4 33.6





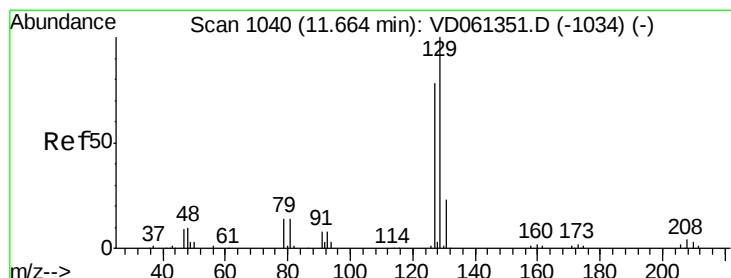
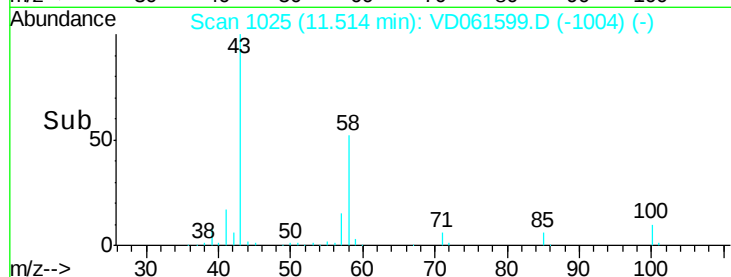
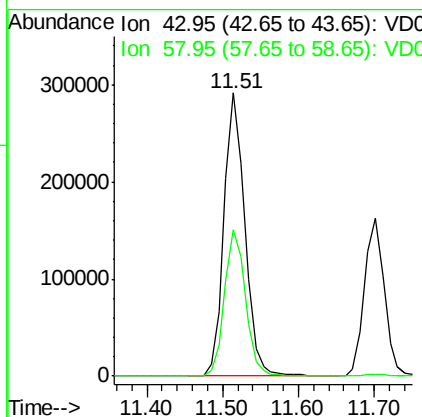
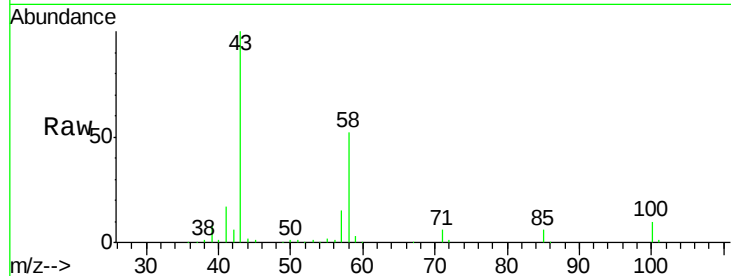
#59
2-Hexanone
Concen: 299.122 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 560396
Ion Ratio Lower Upper
43 100
58 51.9 26.3 78.9

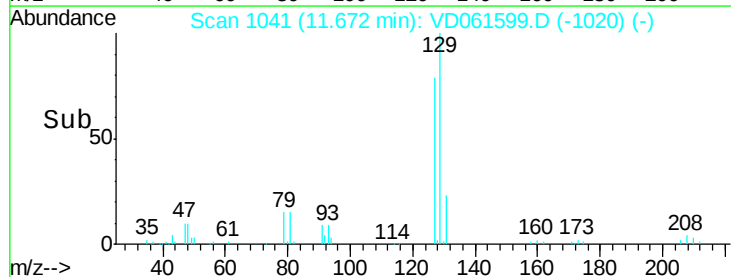
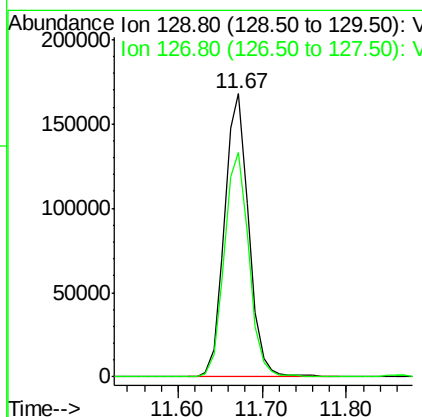
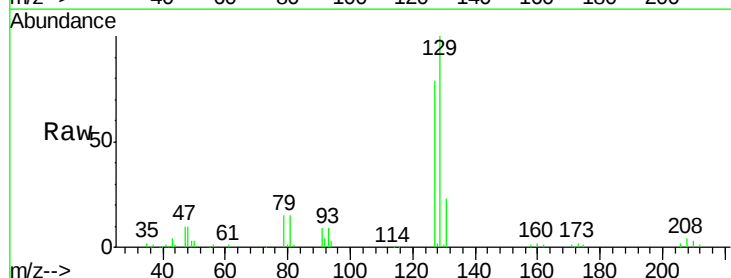
Manual Integrations
APPROVED

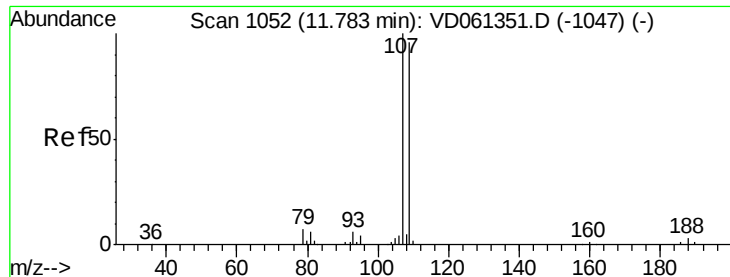
MMDadoda
4/5/2019 2:32:18 PM



#60
Dibromochloromethane
Concen: 59.413 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion: 129 Resp: 334984
Ion Ratio Lower Upper
129 100
127 79.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 57.440 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 243259

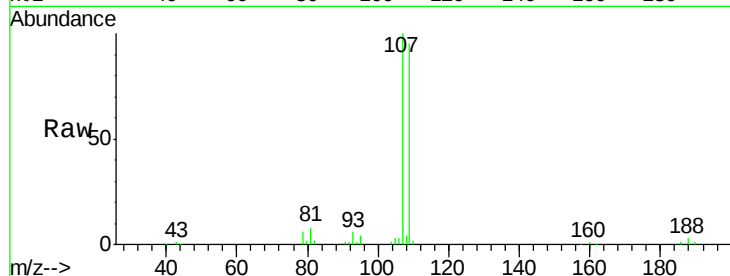
Ion Ratio Lower Upper

107 100

109 94.6 76.6 114.8

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:32:18 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.79

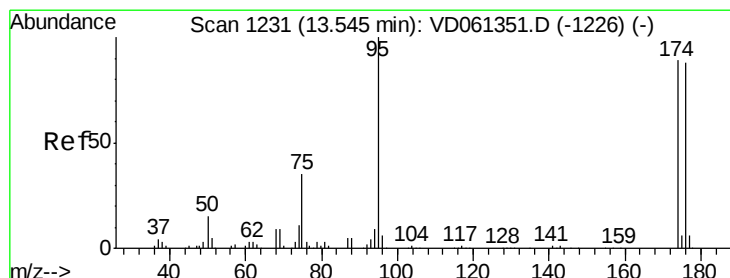
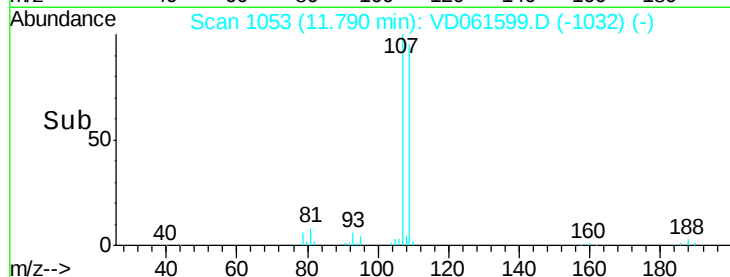
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 57.440 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

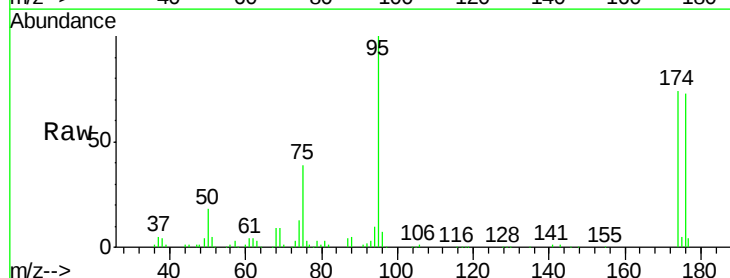
Tgt Ion: 95 Resp: 340269

Ion Ratio Lower Upper

95 100

174 74.5 0.0 178.0

176 72.5 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

250000

200000

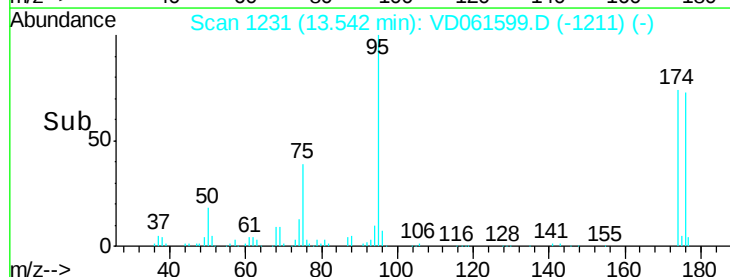
150000

100000

50000

0

Time-->





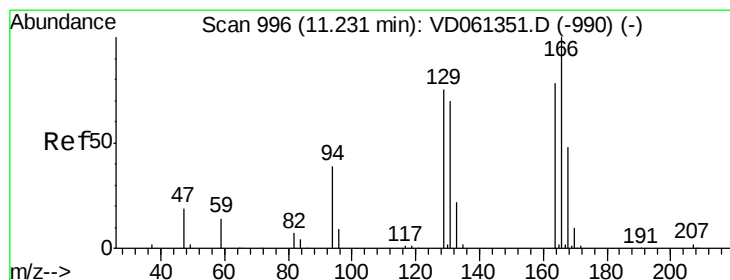
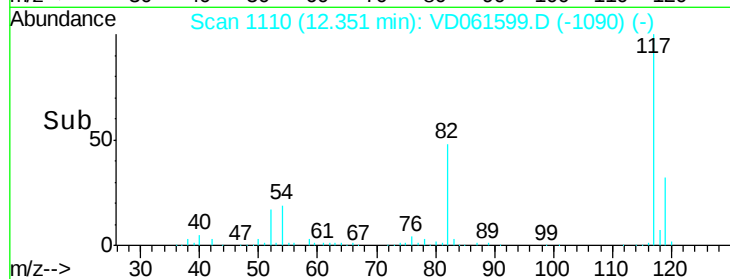
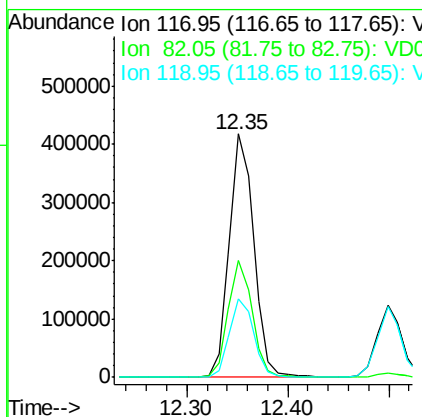
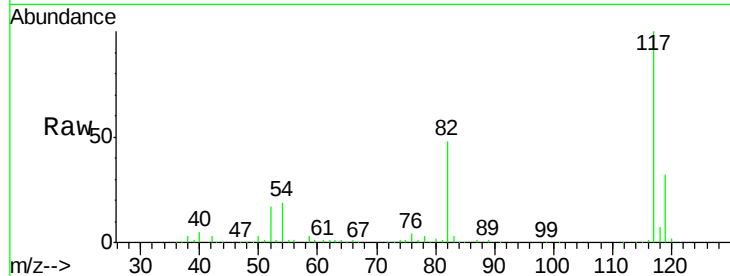
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.9	34.4	51.6
119	32.0	25.8	38.6

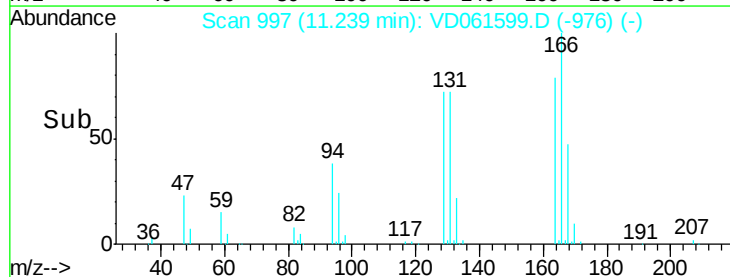
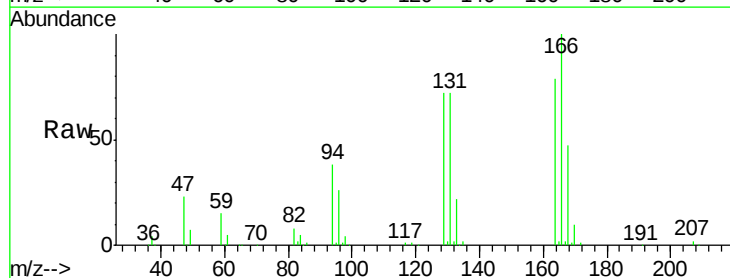
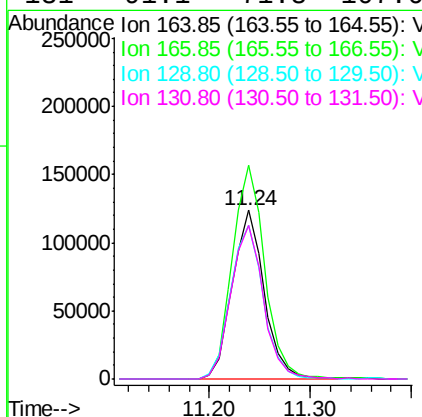
Manual Integrations
APPROVED

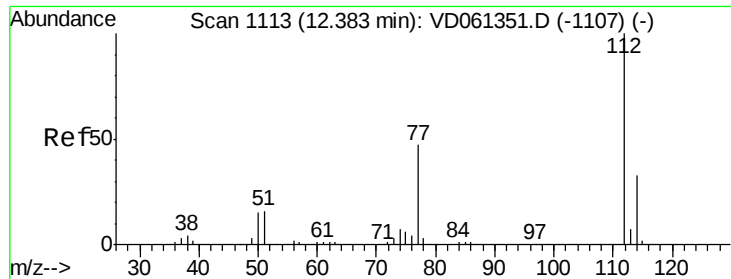
MMDadoda
4/5/2019 2:32:18 PM



#64
Tetrachloroethene
Concen: 49.133 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.4	153.6
129	91.2	76.8	115.2
131	91.1	71.8	107.6





#65

Chlorobenzene

Concen: 49.712 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 715650

Ion Ratio Lower Upper

112 100

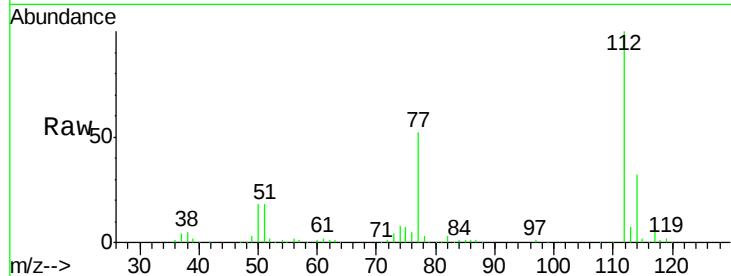
114 32.2 26.6 39.8

Manual Integrations

APPROVED

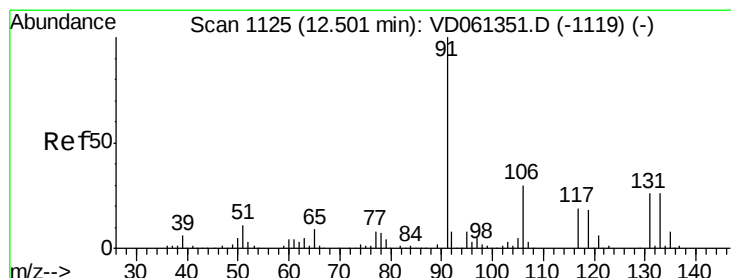
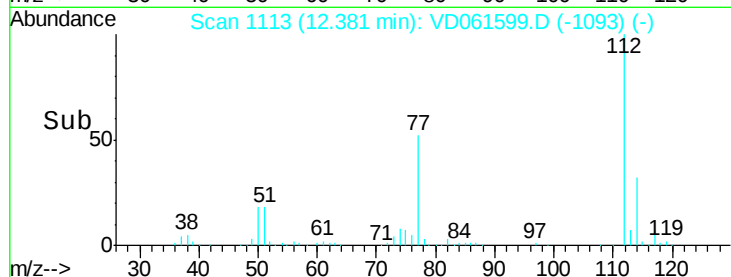
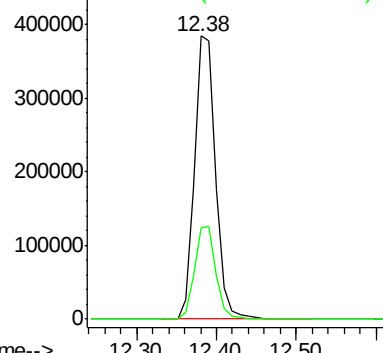
MMDadoda

4/5/2019 2:32:18 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.641 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

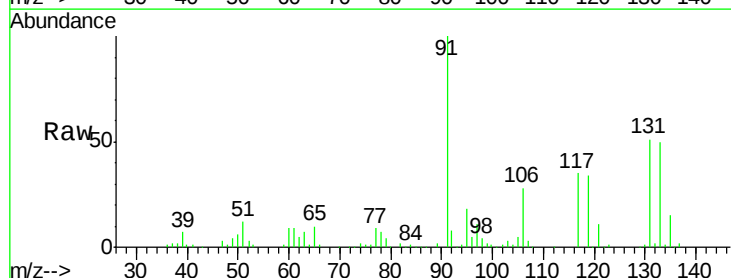
Tgt Ion:131 Resp: 304569

Ion Ratio Lower Upper

131 100

133 98.7 49.4 148.2

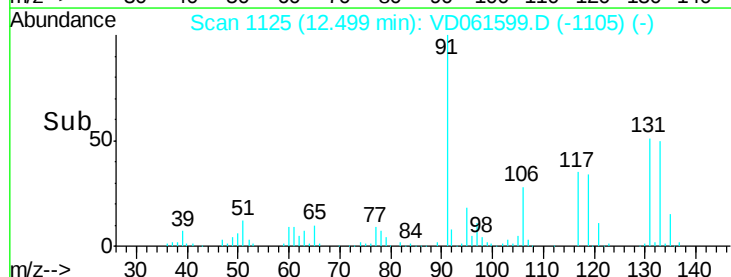
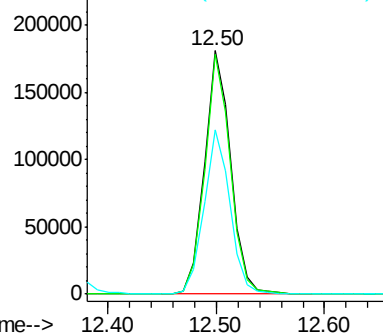
119 67.4 34.1 102.2



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





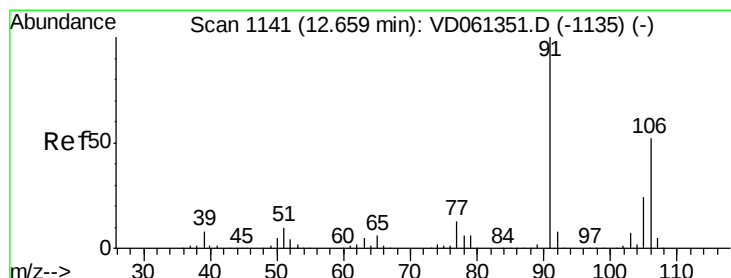
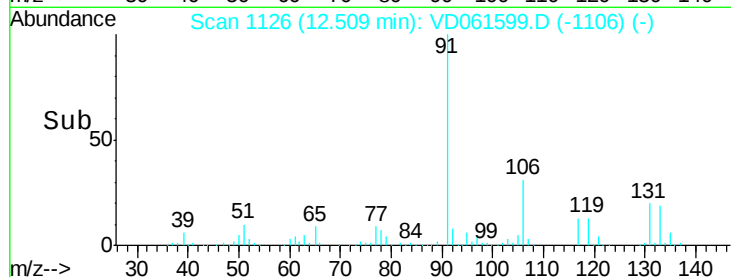
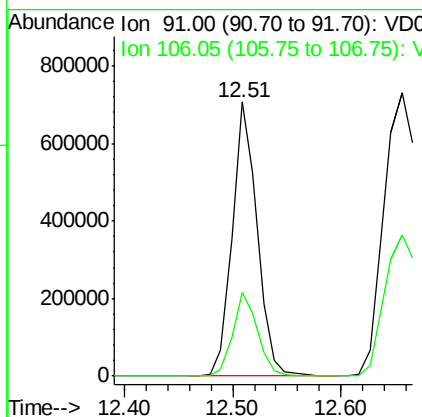
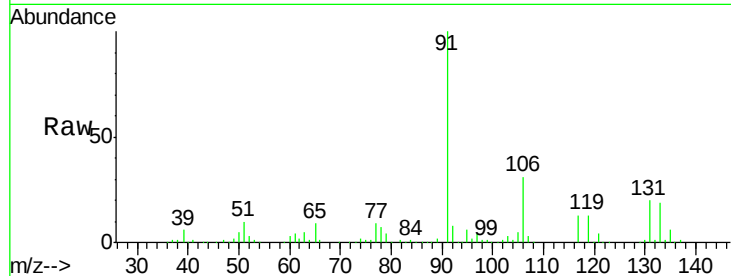
#67
Ethyl Benzene
Concen: 51.316 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1127597
Ion Ratio Lower Upper
91 100
106 30.7 26.1 39.1

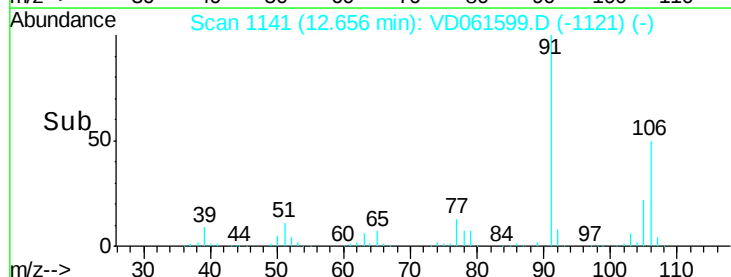
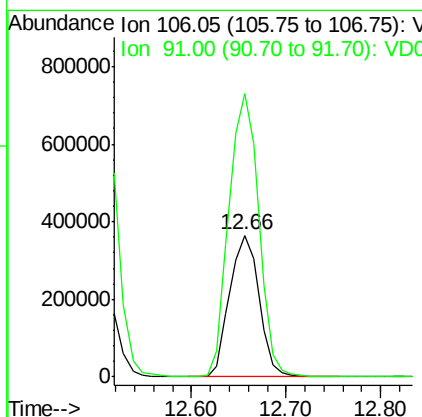
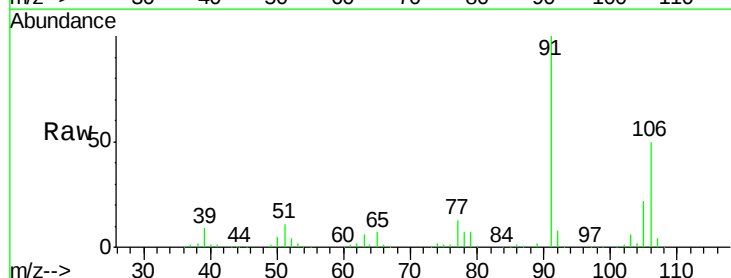
Manual Integrations
APPROVED

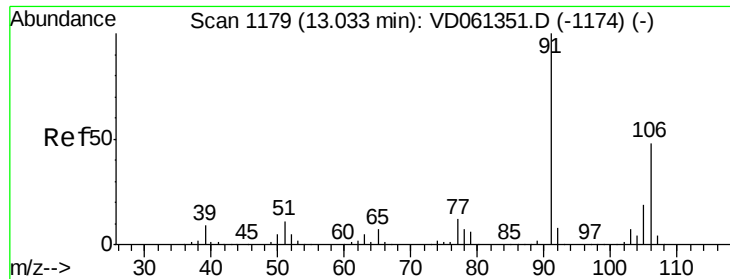
MMDadoda
4/5/2019 2:32:18 PM



#68
m/p-Xylenes
Concen: 94.652 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion: 106 Resp: 787851
Ion Ratio Lower Upper
106 100
91 199.4 153.1 229.7





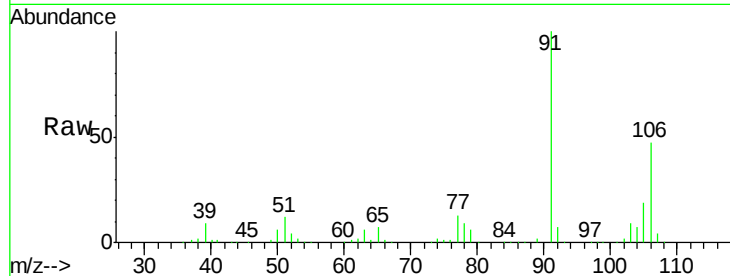
#69
o-Xylene
Concen: 51.414 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

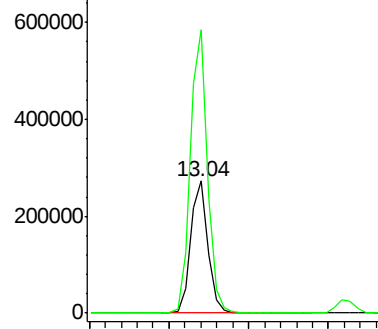
Tot Ion:106 Resp: 415295
Ion Ratio Lower Upper
106 100
91 214.2 103.8 311.3

Manual Integrations
APPROVED

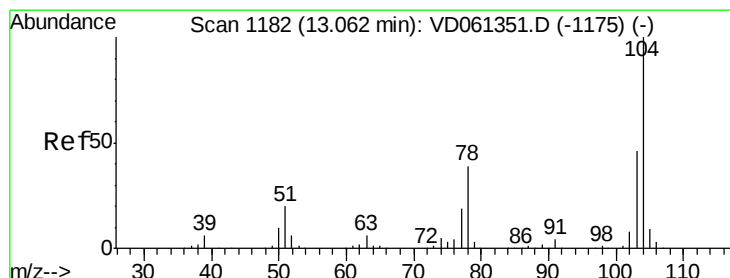
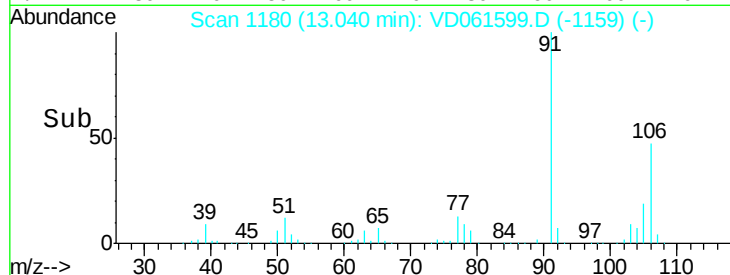
MMDadoda
4/5/2019 2:32:18 PM



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

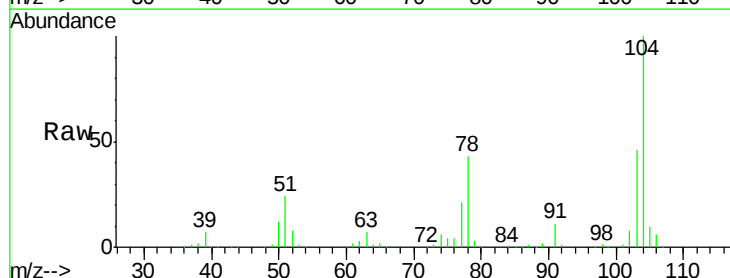


Time--> 12.90 13.00 13.10 13.20

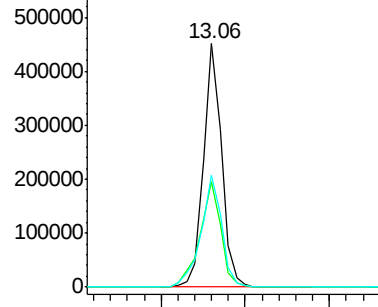


#70
Styrene
Concen: 47.883 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

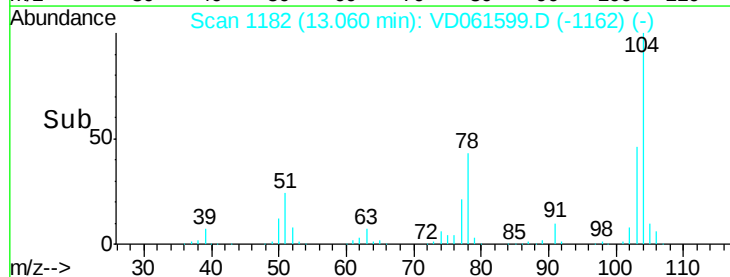
Tgt Ion:104 Resp: 674224
Ion Ratio Lower Upper
104 100
78 43.4 31.0 46.6
103 45.9 37.0 55.4

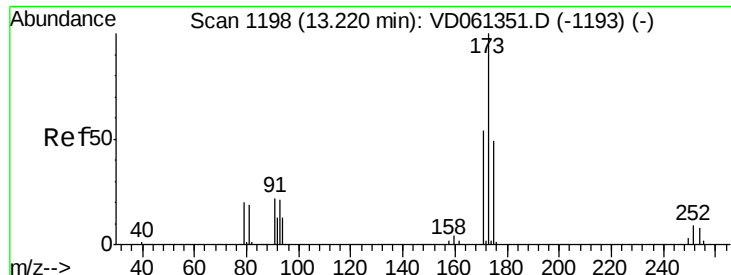


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time--> 13.00 13.10 13.20





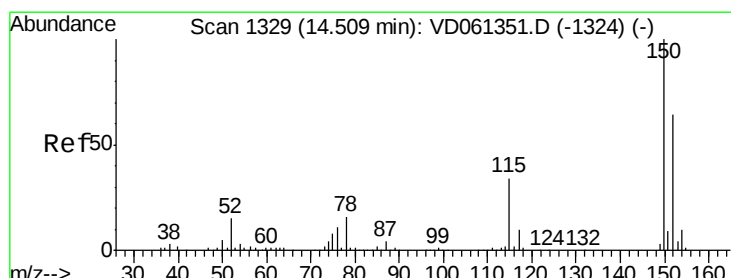
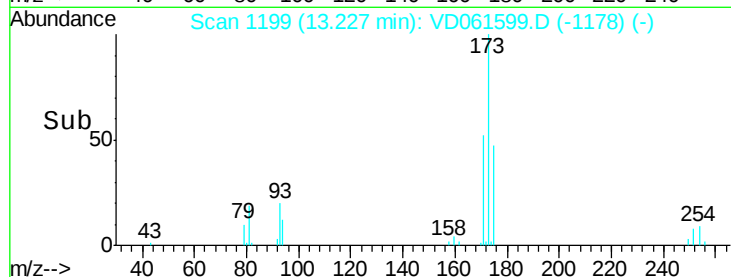
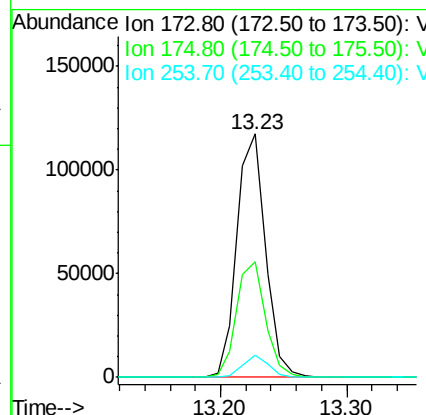
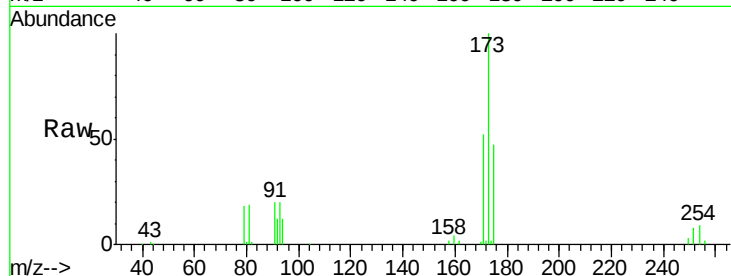
#71
Bromoform
Concen: 51.665 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.8
254	9.3	6.6	10.0

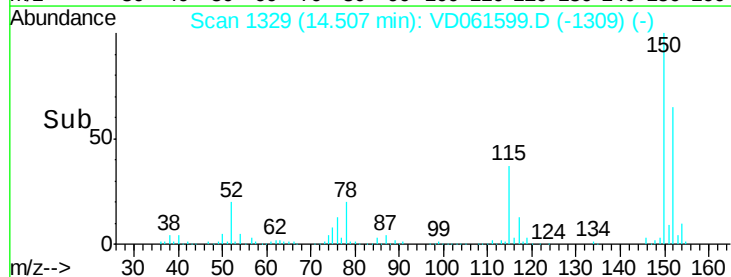
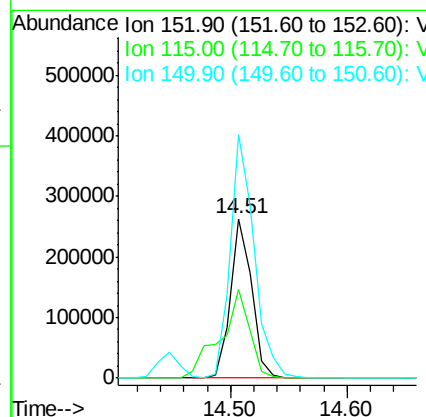
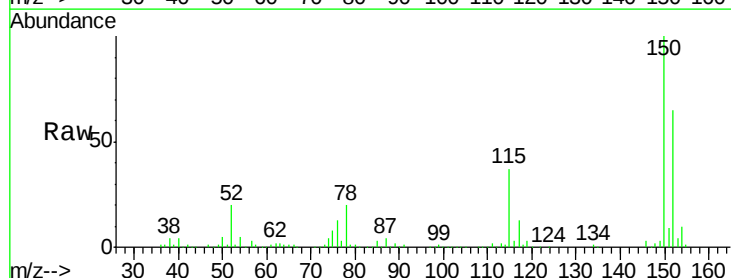
Manual Integrations
APPROVED

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4/5/2019 2:32:18 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	26.9	80.6
150	152.8	0.0	318.0





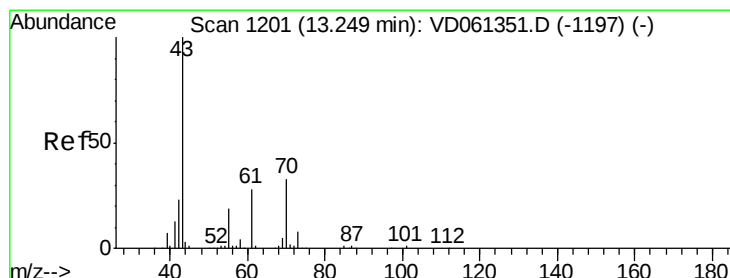
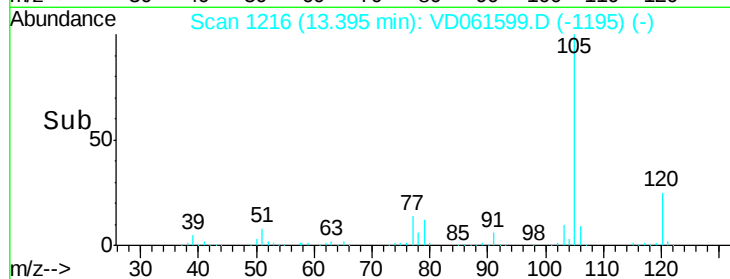
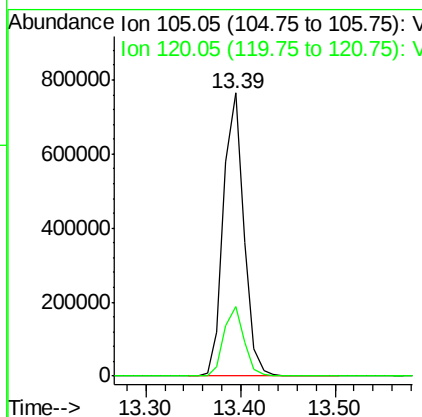
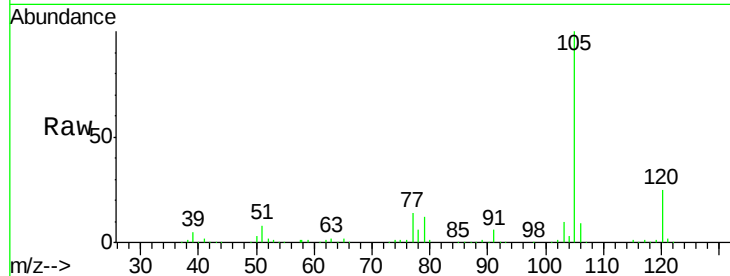
#73
Isopropylbenzene
Concen: 49.568 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1139926
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.3

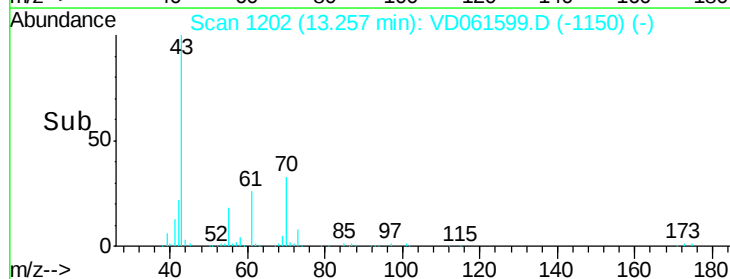
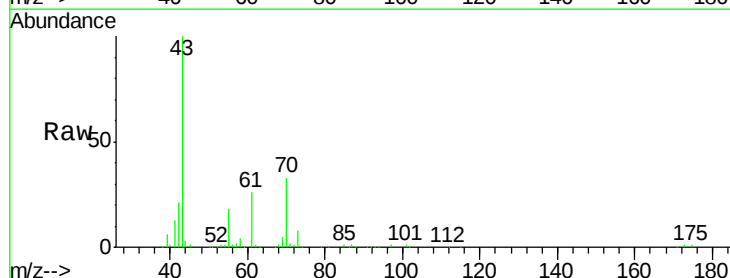
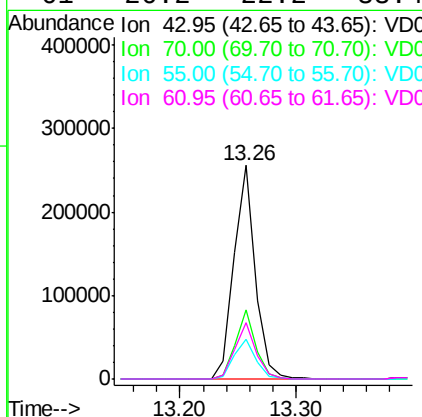
Manual Integrations
APPROVED

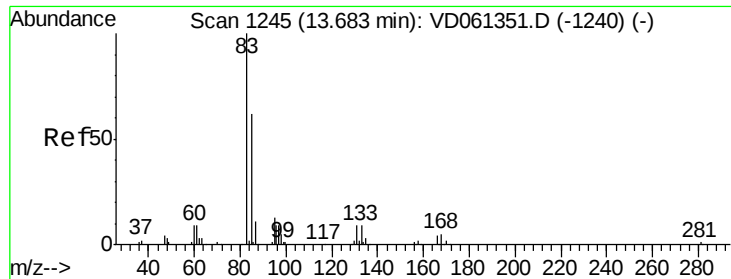
MMDadoda
4/5/2019 2:32:18 PM



#74
N-ethyl acetate
Concen: 50.590 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion: 43 Resp: 324096
Ion Ratio Lower Upper
43 100
70 32.5 26.6 40.0
55 18.3 15.4 23.2
61 26.2 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.802 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

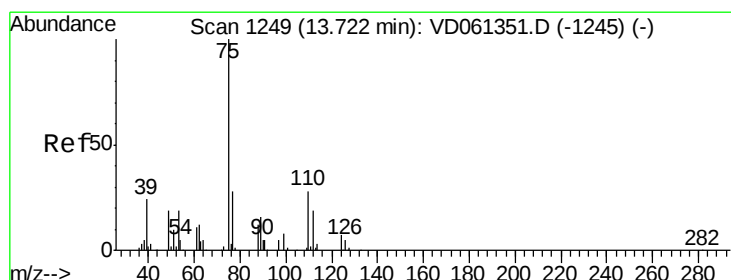
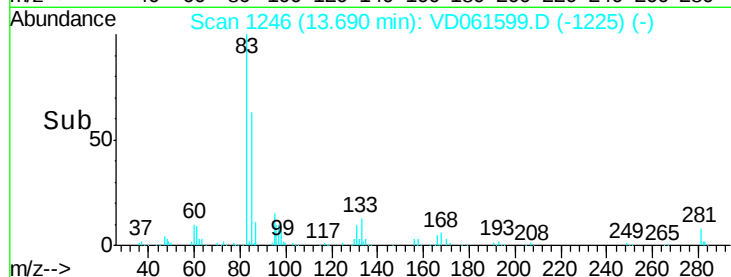
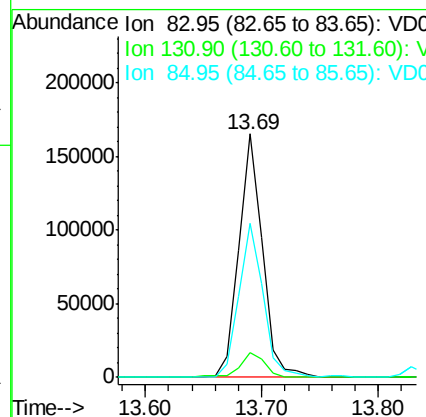
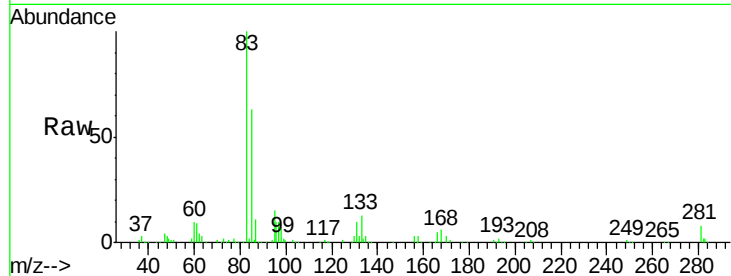
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	231901
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.3	13.1
85	63.3	31.2	93.6

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:32:18 PM



#76

1,2,3-Trichloropropane

Concen: 54.309 ug/l

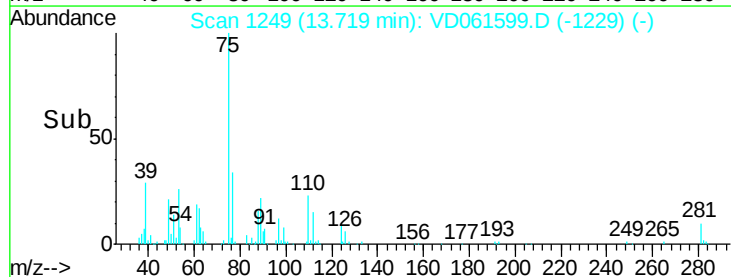
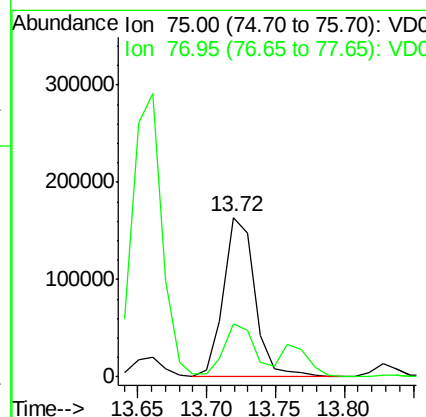
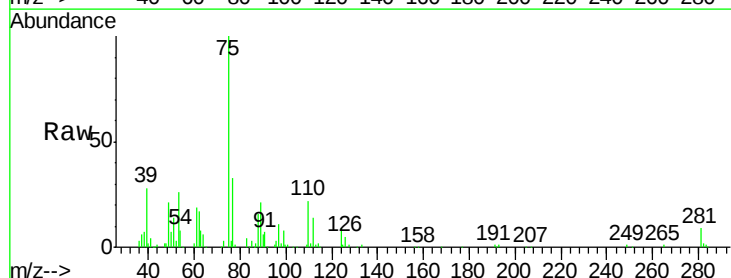
RT: 13.72 min Scan# 1249

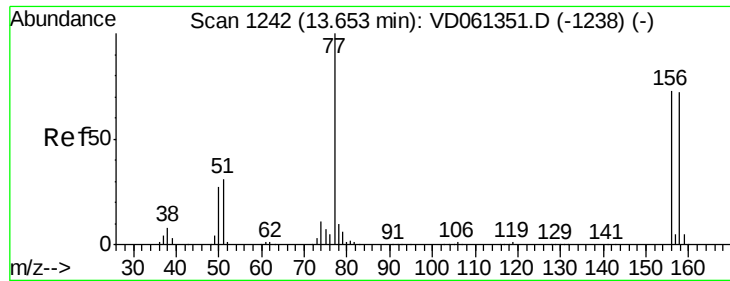
Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Tgt Ion:	75	Resp:	259220
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.2	48.5





#77

Bromobenzene

Concen: 49.841 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

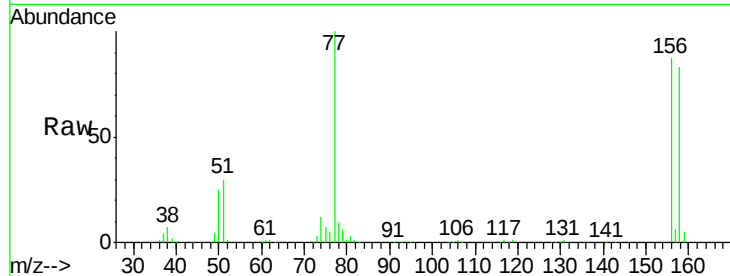
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	339801
Ion Ratio	Lower	Upper	
156	100		
77	115.6	68.5	205.6
158	95.5	49.1	147.3

Manual Integrations
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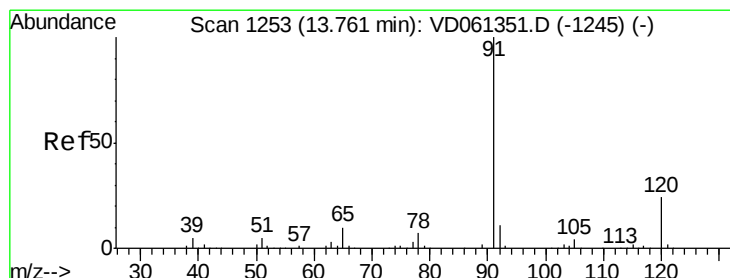
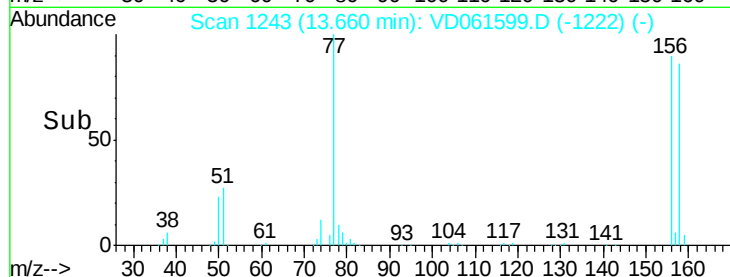
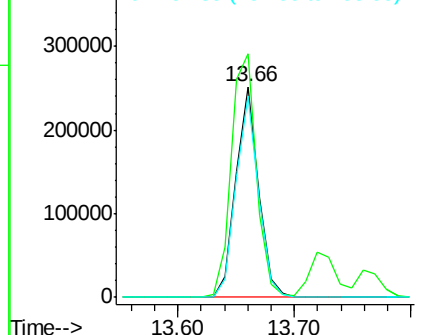
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.422 ug/l

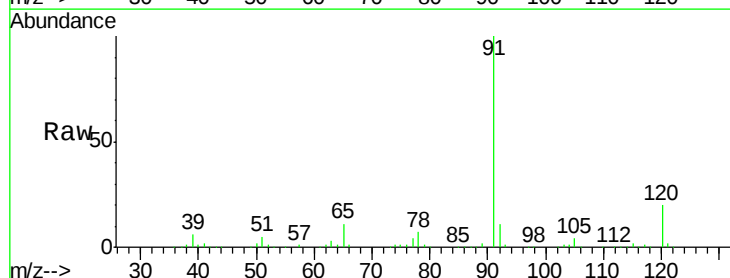
RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061599.D

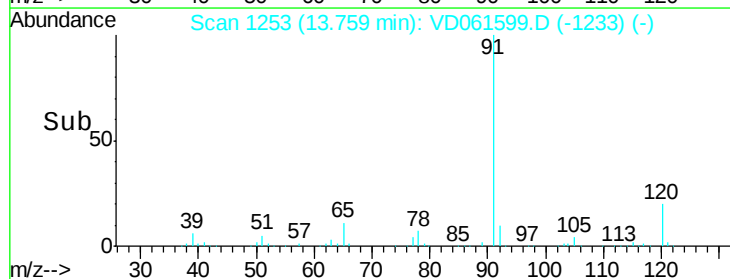
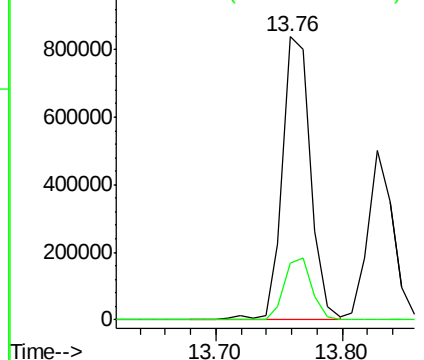
Acq: 5 Apr 2019 2:00

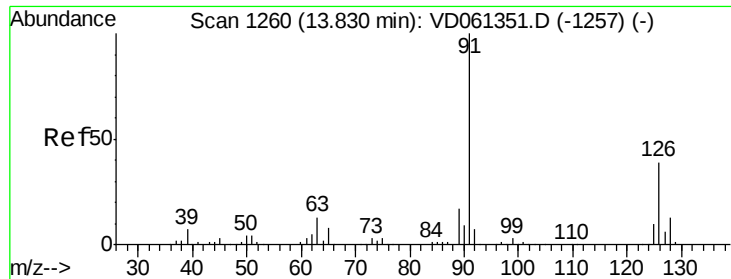
Tgt Ion:	91	Resp:	1306458
Ion Ratio	Lower	Upper	
91	100		
120	20.1	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 45.212 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 690886

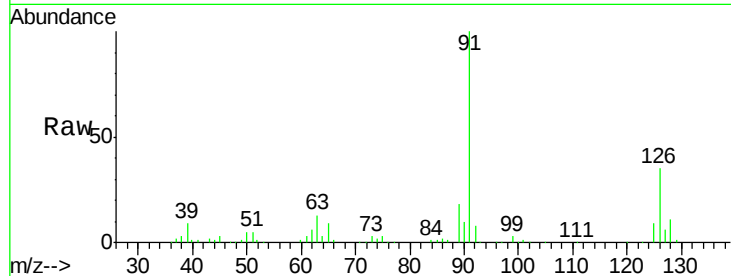
Ion Ratio Lower Upper

91 100

126 35.1 19.4 58.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

1000000

800000

600000

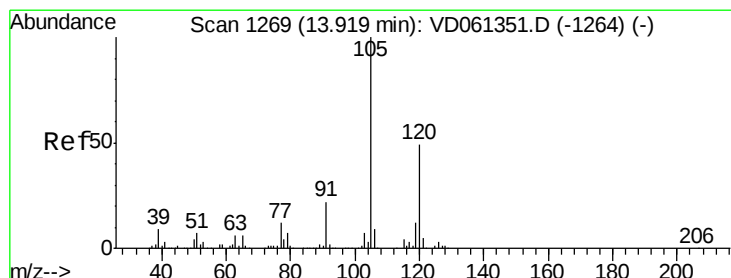
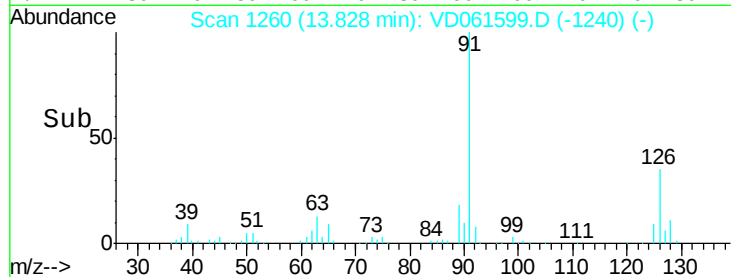
400000

200000

0

13.80 13.83 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.970 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD061599.D

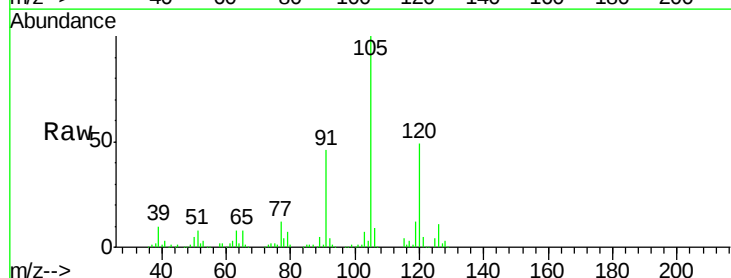
Acq: 5 Apr 2019 2:00

Tgt Ion: 105 Resp: 873781

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

600000

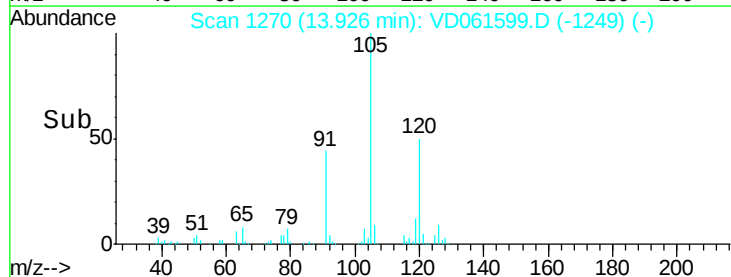
400000

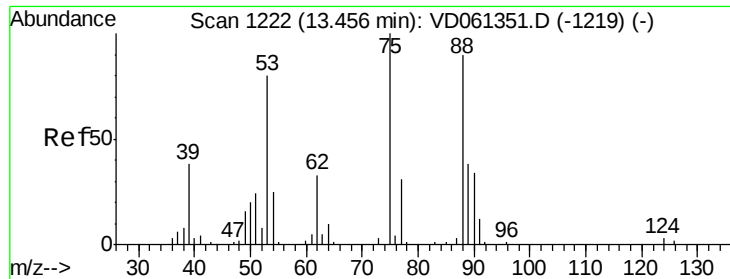
200000

0

13.90 13.93 14.00

Time-->





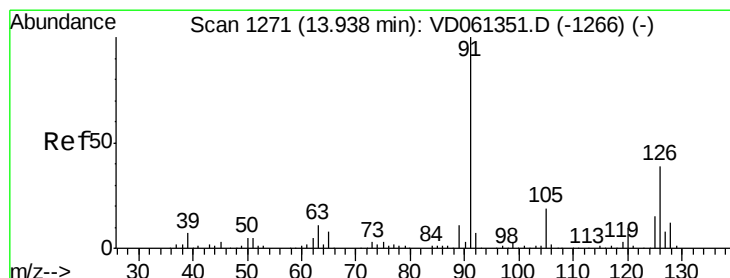
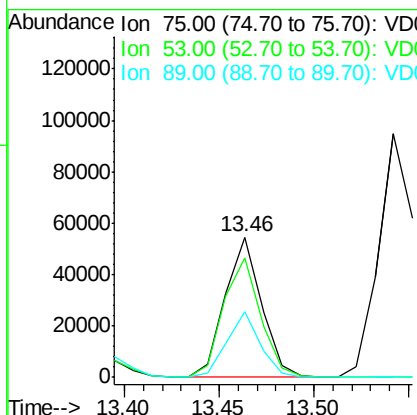
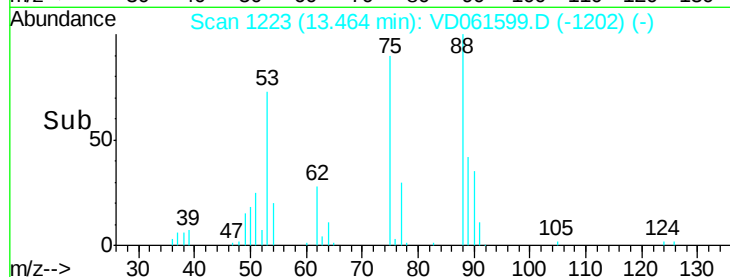
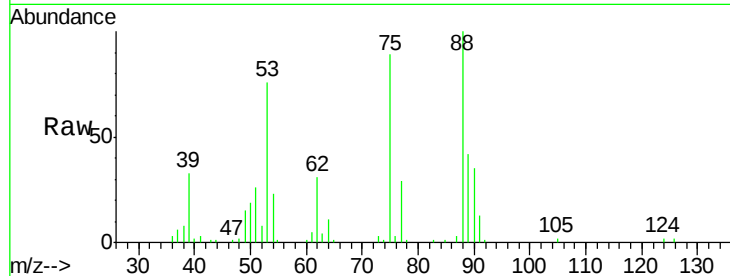
#81
trans-1,4-Dichloro-2-butene
Concen: 49.788 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.3	63.8	95.8
89	46.9	30.5	45.7#

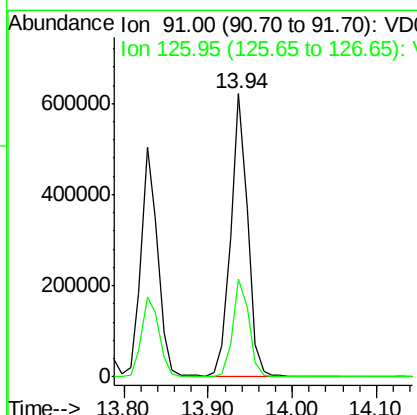
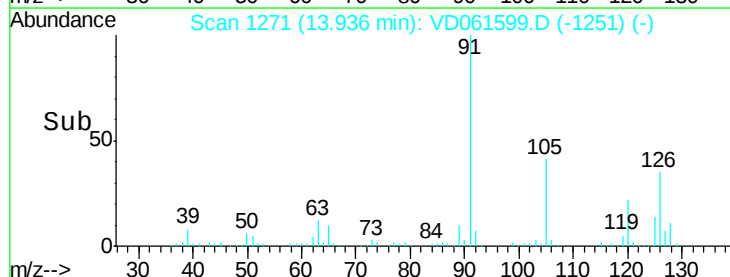
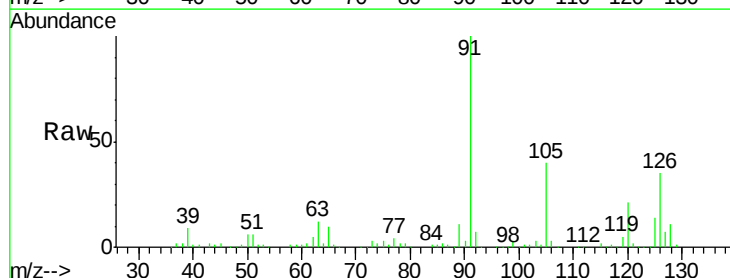
Manual Integrations
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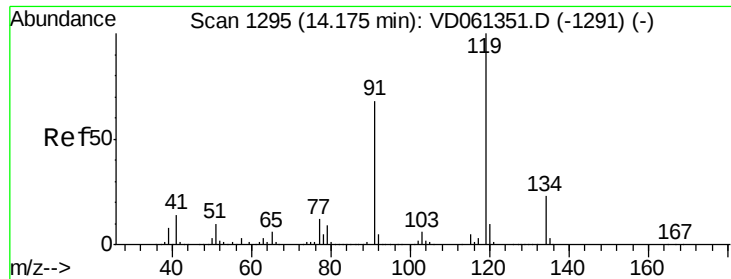
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#82
4-Chlorotoluene
Concen: 51.935 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	19.6	58.8





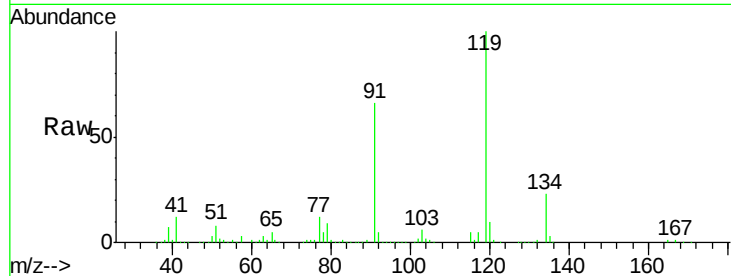
#83
tert-Butylbenzene
Concen: 47.813 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

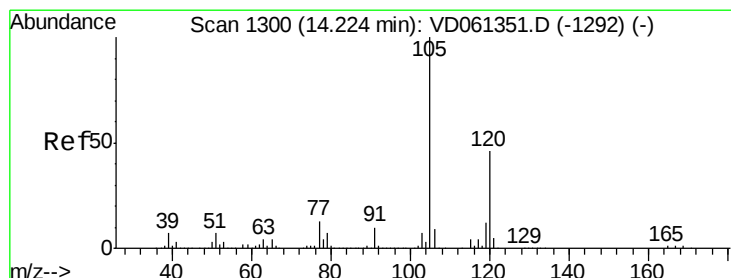
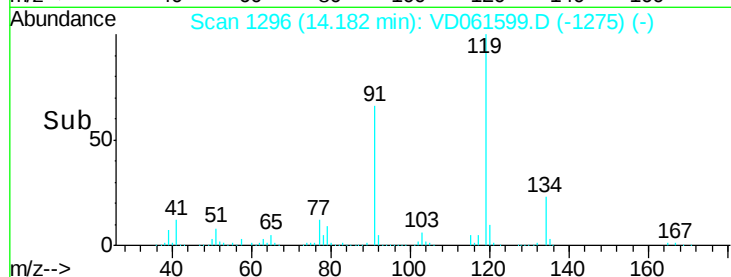
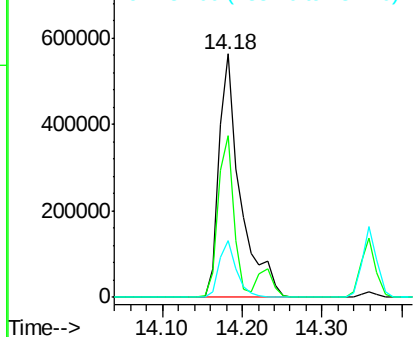
Tot Ion:119 Resp: 1066188
Ion Ratio Lower Upper
119 100
91 66.4 34.1 102.3
134 23.1 11.6 34.8

Manual Integrations
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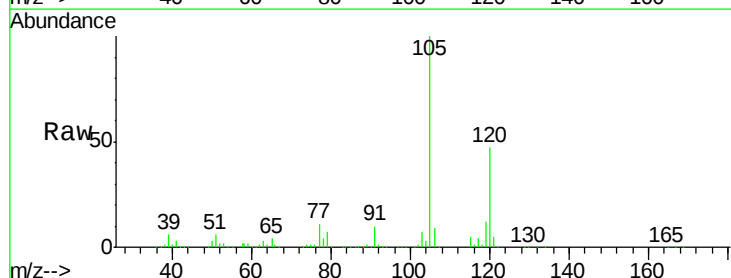


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

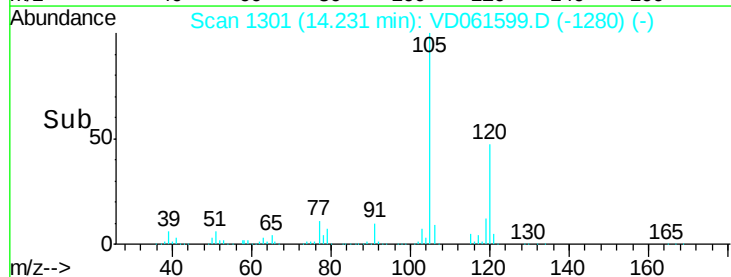
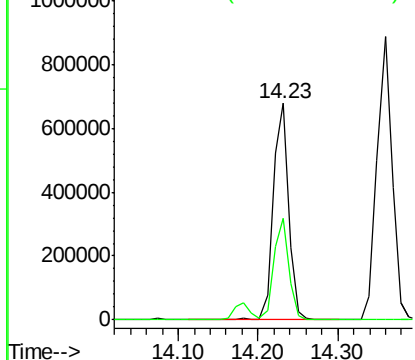


#84
1,2,4-Trimethylbenzene
Concen: 47.570 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion:105 Resp: 918919
Ion Ratio Lower Upper
105 100
120 46.9 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 48.278 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1143655

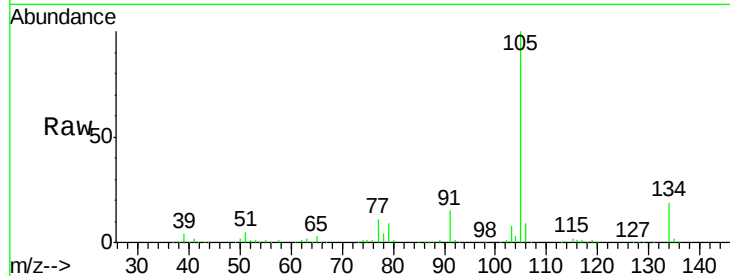
Ion Ratio Lower Upper

105 100

134 18.5 8.7 26.1

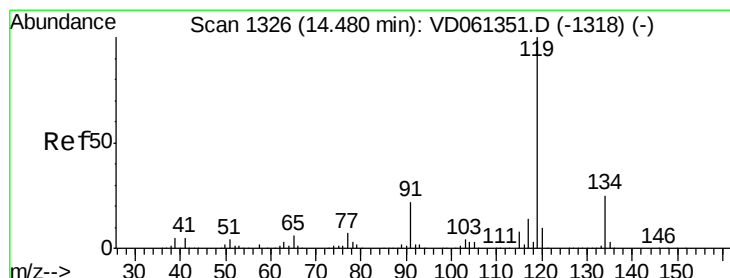
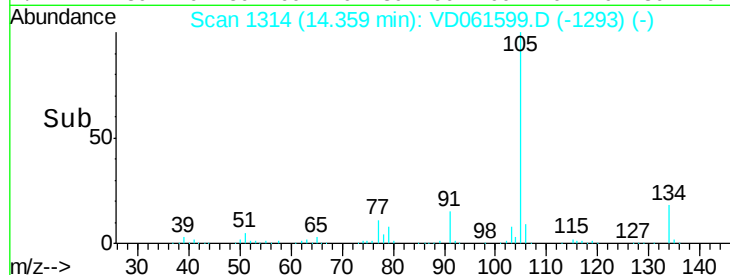
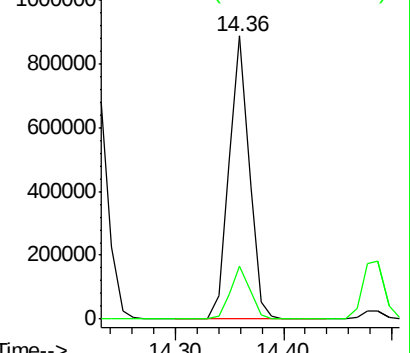
Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.701 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

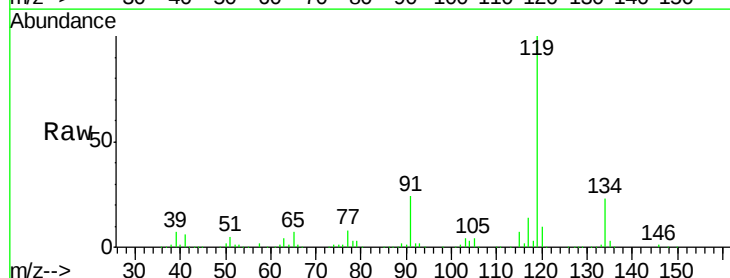
Tgt Ion:119 Resp: 1055672

Ion Ratio Lower Upper

119 100

134 23.4 12.3 36.8

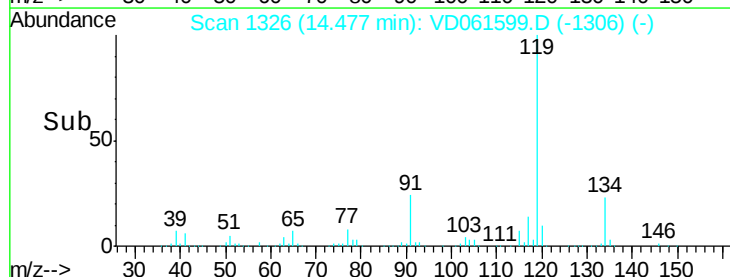
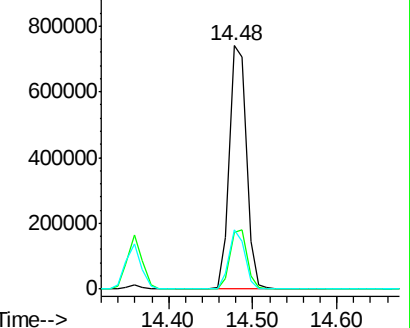
91 24.5 11.1 33.1



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





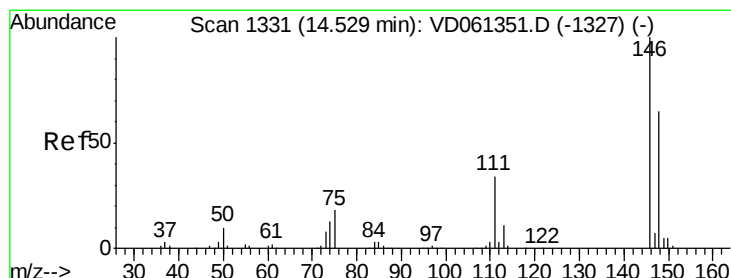
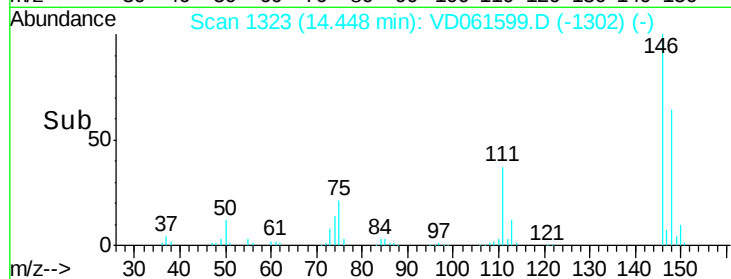
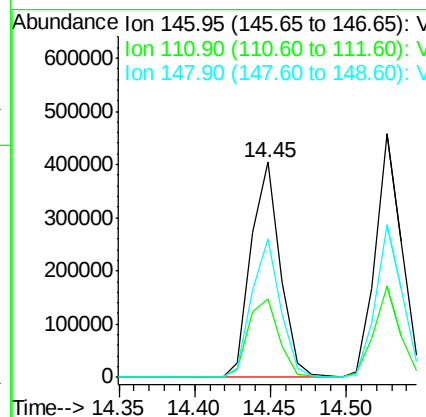
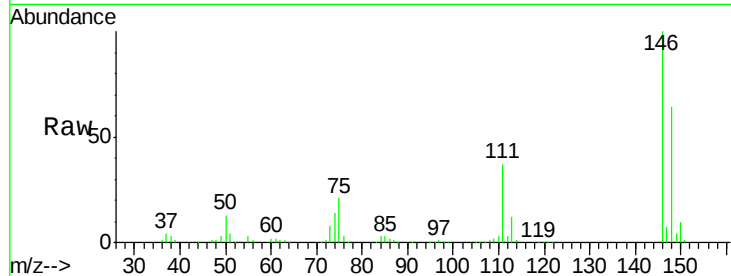
#87
 1,3-Dichlorobenzene
 Concen: 47.010 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	20.6	61.9
148	64.4	31.1	93.3

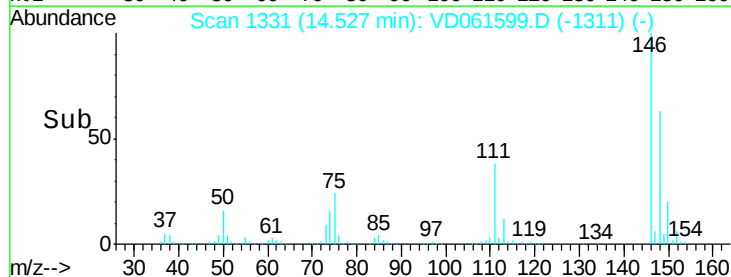
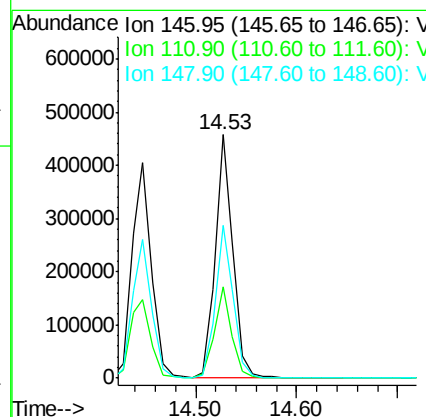
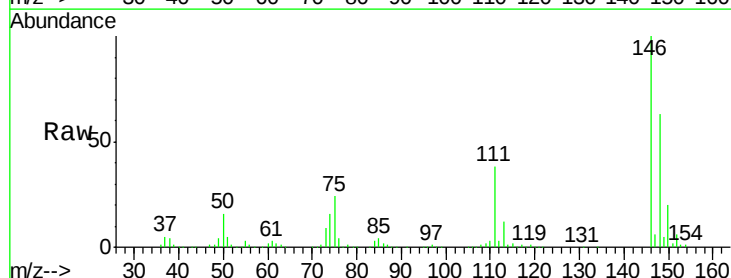
Manual Integrations
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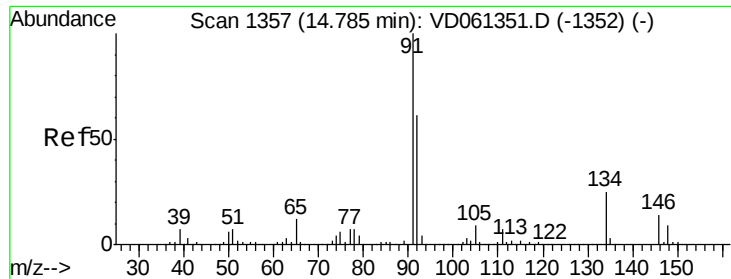
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#88
 1,4-Dichlorobenzene
 Concen: 49.943 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	16.8	50.4
148	62.7	32.6	98.0





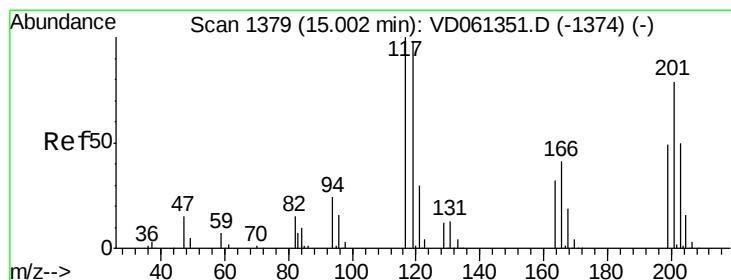
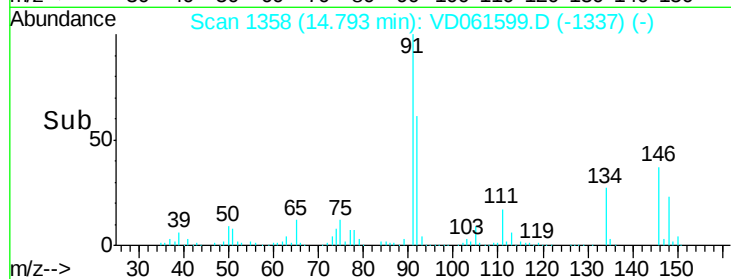
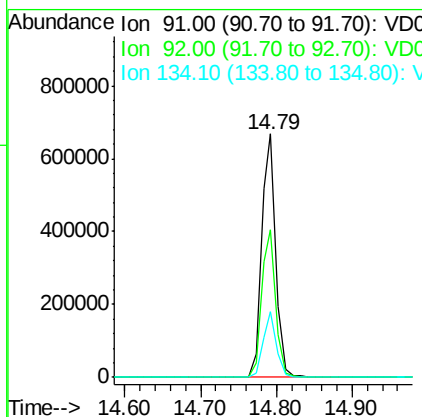
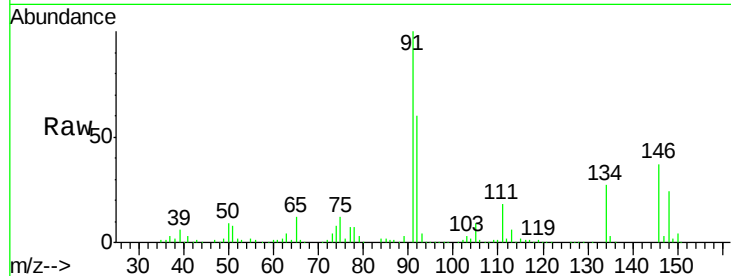
#89
n-Butylbenzene
Concen: 47.461 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.5	30.3	91.0
134	27.2	12.4	37.0

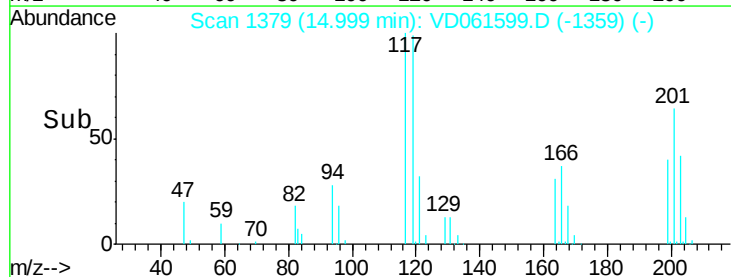
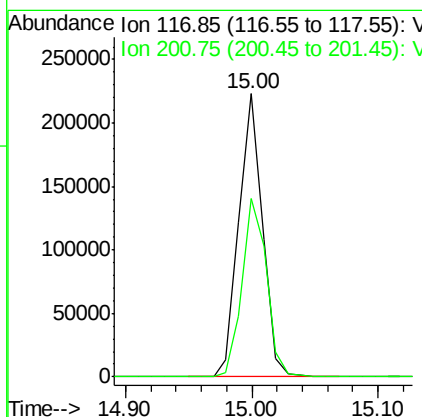
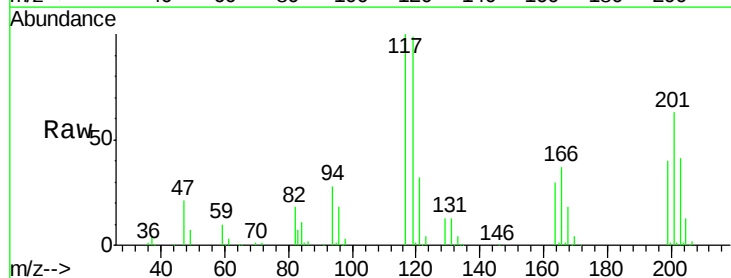
Manual Integrations
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#90
Hexachloroethane
Concen: 50.618 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD061599.D
Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.2	39.6	119.0





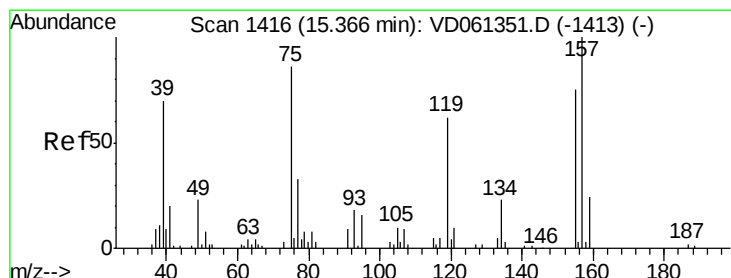
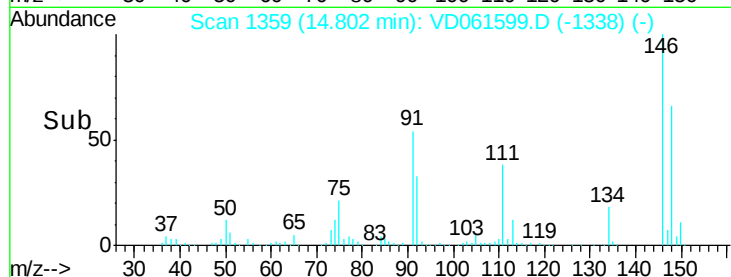
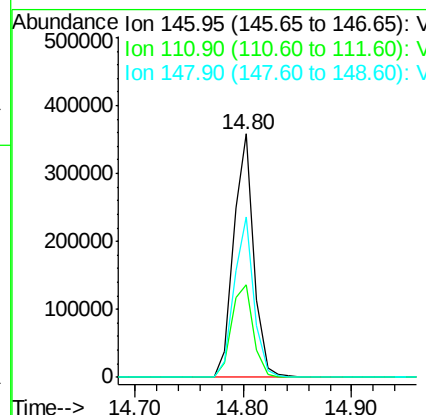
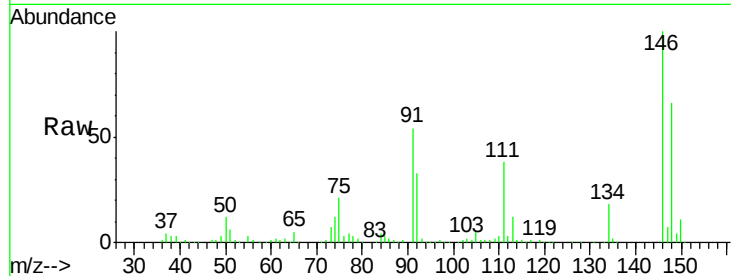
#91
 1,2-Dichlorobenzene
 Concen: 48.859 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	21.2	63.6
148	65.6	31.6	95.0

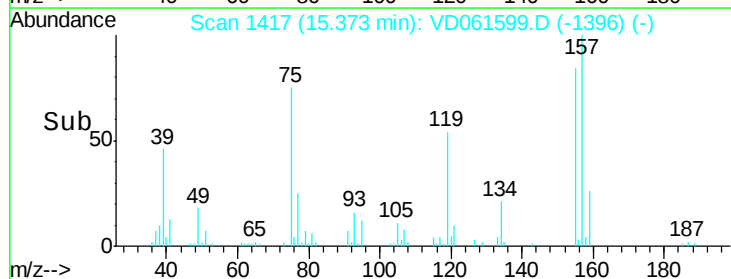
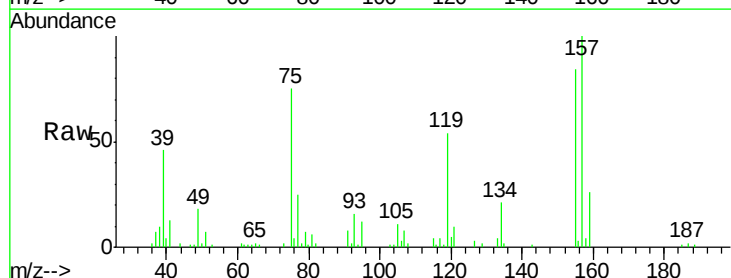
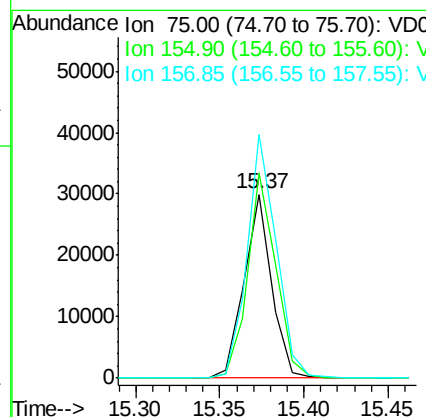
Manual Integrations
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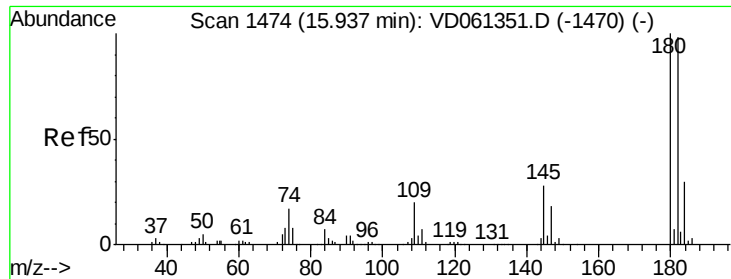
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 4/5/2019 2:32:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.823 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.0	43.6	130.9
157	132.6	58.5	175.3





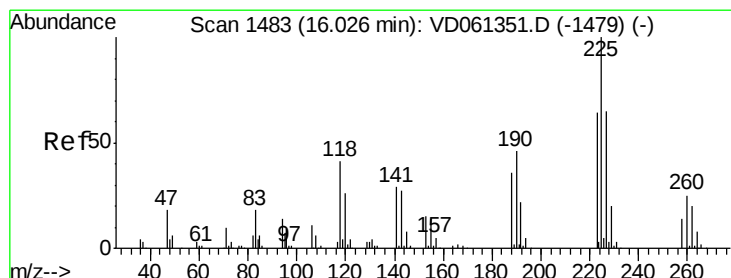
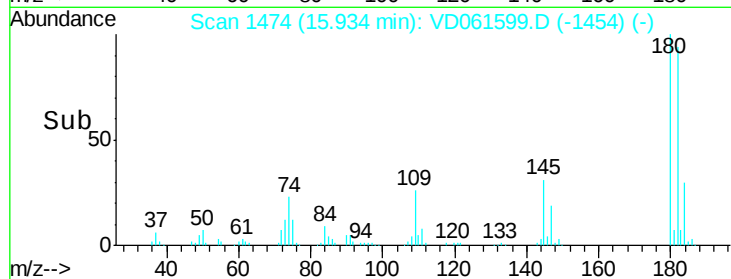
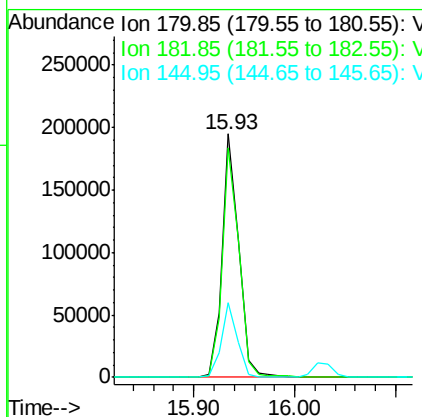
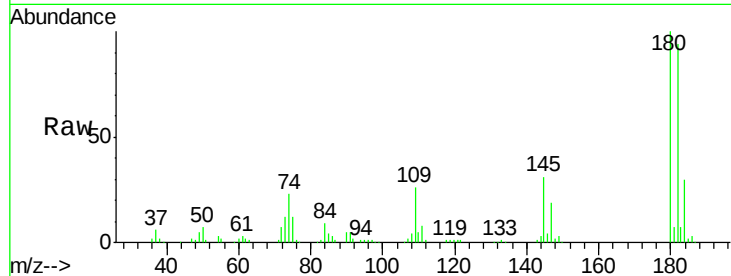
#93
 1,2,4-Trichlorobenzene
 Concen: 52.294 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	225587		
182	94.5	48.9	146.8	
145	30.9	14.1	42.3	

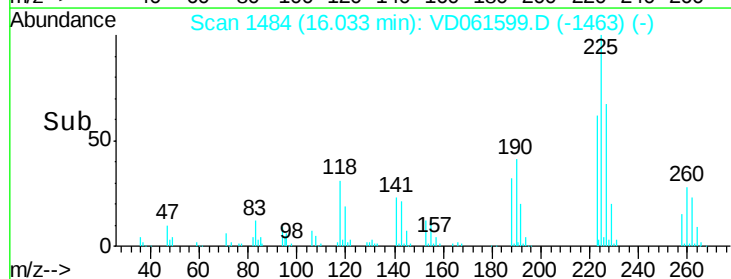
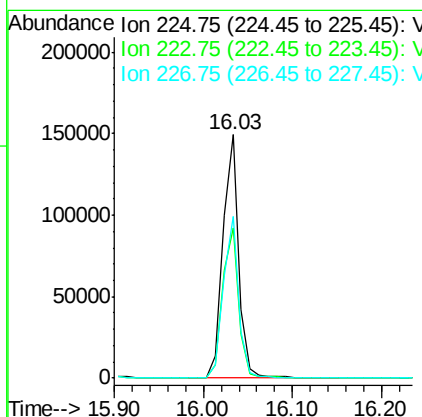
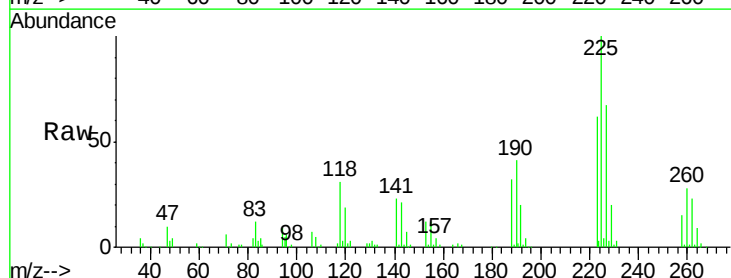
Manual Integrations
 APPROVED

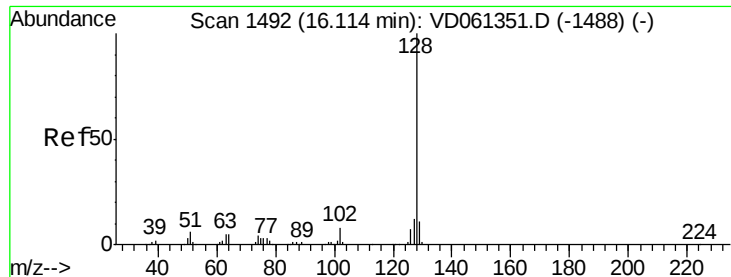
MMDadoda
 4/5/2019 2:32:18 PM



#94
 Hexachlorobutadiene
 Concen: 55.699 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061599.D
 Acq: 5 Apr 2019 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187755		
223	61.9	32.0	96.0	
227	66.6	32.4	97.2	





#95

Naphthalene

Concen: 59.476 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Instrument :

MSVOA_D

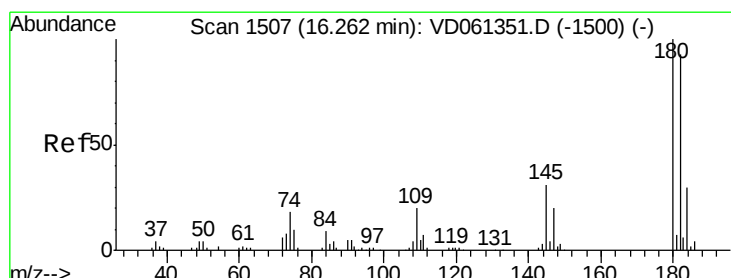
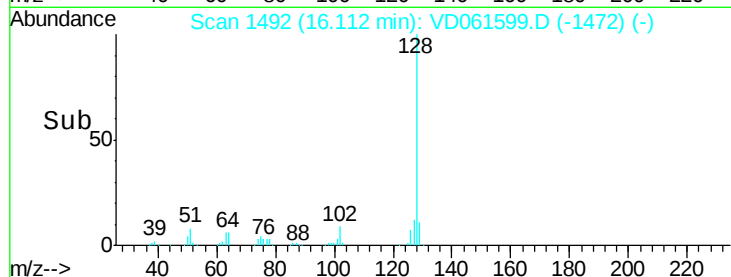
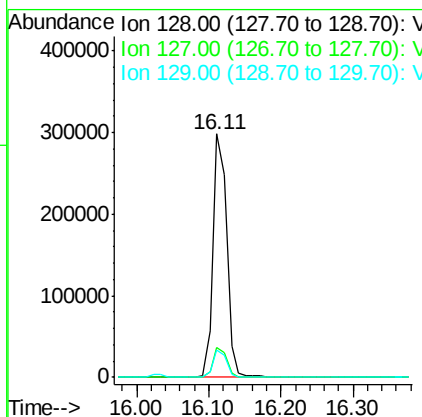
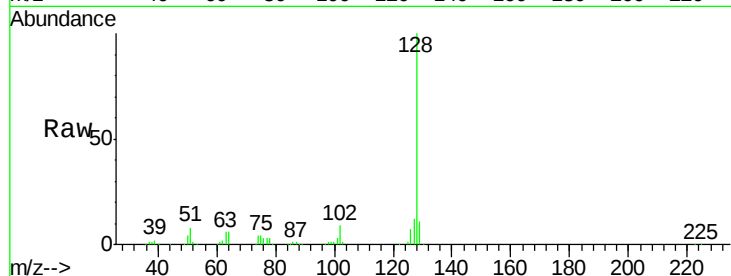
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	391079
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.9	14.9
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:32:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.834 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD061599.D

Acq: 5 Apr 2019 2:00

Tgt Ion:	180	Resp:	105987
Ion Ratio	Lower	Upper	
180	100		
182	94.9	46.4	139.1
145	34.3	15.3	45.9

