

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061758.D
 Acq On : 12 Apr 2019 1:01
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 11:42:43 AM

Quant Time: Apr 12 02:56:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	500566	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	791117	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.35	117	629289	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	308459	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	179616	47.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	6.91	113	275387	50.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.39	98	586667	42.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	85.22%	
62) 4-Bromofluorobenzene	13.54	95	248046	51.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	275473	51.011	ug/l	97
3) Chloromethane	1.74	50	202513	46.406	ug/l	97
4) Vinyl Chloride	1.84	62	211023	51.749	ug/l	98
5) Bromomethane	2.14	94	53108	56.268	ug/l	99
6) Chloroethane	2.25	64	78956	61.819	ug/l	98
7) Trichlorofluoromethane	2.52	101	336568	54.664	ug/l	99
8) Diethyl Ether	2.85	74	98655	57.094	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	302272	49.936	ug/l	97
10) Methyl Iodide	3.30	142	494111	54.391	ug/l	96
11) Tert butyl alcohol	4.03	59	73825	290.321	ug/l	98
12) 1,1-Dichloroethene	3.12	96	251552	48.206	ug/l	96
13) Acrolein	3.02	56	72270	233.106	ug/l	100
14) Allyl chloride	3.60	41	387515	54.447	ug/l	99
15) Acrylonitrile	4.16	53	228511	261.054	ug/l	97
16) Acetone	3.20	43	256503	226.147	ug/l	97
17) Carbon Disulfide	3.36	76	796568	46.979	ug/l	99
18) Methyl Acetate	3.62	43	126329	59.199	ug/l	94
19) Methyl tert-butyl Ether	4.21	73	520344	57.589	ug/l	97
20) Methylene Chloride	3.80	84	316204	49.129	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	290153	51.194	ug/l	96
22) Diisopropyl ether	5.09	45	838703	56.205	ug/l	93
23) Vinyl Acetate	5.03	43	2378816	288.907	ug/l	100
24) 1,1-Dichloroethane	4.96	63	508011	55.555	ug/l	100
25) 2-Butanone	6.04	43	355550	271.915	ug/l	100
26) 2,2-Dichloropropane	6.00	77	396446	53.245	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	339047	56.074	ug/l	96
28) Bromochloromethane	6.42	49	187454	55.572	ug/l	93
29) Tetrahydrofuran	6.43	42	176381	279.432	ug/l	98
30) Chloroform	6.64	83	556822	58.127	ug/l	99
31) Cyclohexane	6.94	56	351451	49.198	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	467612	55.704	ug/l	98
36) 1,1-Dichloropropene	7.13	75	361369	52.193	ug/l	99
37) Ethyl Acetate	6.16	43	178245	63.205	ug/l	99
38) Carbon Tetrachloride	7.10	117	494369m	60.923	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	364055	51.215	ug/l	97
40) Benzene	7.43	78	957980	57.353	ug/l	100
41) Methacrylonitrile	6.43	41	203177	61.716	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	340955	64.906	ug/l	99
43) Isopropyl Acetate	9.22	43	240531	58.769	ug/l	98
44) Trichloroethene	8.52	130	352228	55.005	ug/l	100
45) 1,2-Dichloropropane	8.92	63	244342	58.986	ug/l	98
46) Dibromomethane	9.04	93	186348	62.944	ug/l	99
47) Bromodichloromethane	9.36	83	418739	64.400	ug/l	98
48) Methyl methacrylate	9.10	41	155361	65.852	ug/l	97
49) 1,4-Dioxane	9.06	88	31931	1226.171	ug/l #	87
51) 4-Methyl-2-Pentanone	10.29	43	778076	321.454	ug/l	99
52) Toluene	10.49	92	606329	58.131	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	367111	64.410	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	438357	62.390	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	214473	60.968	ug/l	98
56) Ethyl methacrylate	11.02	69	226534	61.043	ug/l	97
57) 1,3-Dichloropropane	11.40	76	308230	59.831	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	495831	283.162	ug/l	99
59) 2-Hexanone	11.52	43	505139	268.907	ug/l	99
60) Dibromochloromethane	11.67	129	347916	62.599	ug/l	100
61) 1,2-Dibromoethane	11.79	107	268458	65.255	ug/l	96
64) Tetrachloroethene	11.24	164	273071	55.903	ug/l	98
65) Chlorobenzene	12.38	112	751231	60.197	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	303176	63.133	ug/l	94
67) Ethyl Benzene	12.51	91	1075304	56.584	ug/l	99
68) m/p-Xylenes	12.66	106	851526	116.228	ug/l	94
69) o-Xylene	13.04	106	423659	59.905	ug/l	97
70) Styrene	13.06	104	673425	55.757	ug/l	98
71) Bromoform	13.23	173	192065	64.461	ug/l #	98
73) Isopropylbenzene	13.40	105	1163767	56.623	ug/l	97
74) N-amyl acetate	13.26	43	323204	57.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	240783	56.659	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	237809	56.667	ug/l	96
77) Bromobenzene	13.66	156	342049	57.335	ug/l	86
78) n-propylbenzene	13.77	91	1280594	52.087	ug/l	95
79) 2-Chlorotoluene	13.83	91	700857	49.850	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	828902	50.812	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	69525	54.595	ug/l	91
82) 4-Chlorotoluene	13.94	91	805327	52.274	ug/l	94
83) tert-Butylbenzene	14.18	119	1062426	54.016	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	870035	52.844	ug/l	97
85) sec-Butylbenzene	14.36	105	1155508	54.375	ug/l	97
86) p-Isopropyltoluene	14.48	119	996337	54.046	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	572870	55.797	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	545874	52.693	ug/l	96
89) n-Butylbenzene	14.79	91	930702	58.084	ug/l	97
90) Hexachloroethane	15.00	117	293790	58.733	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	496567	58.683	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	34189	66.668	ug/l	74

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ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId :
VSTDCCC050

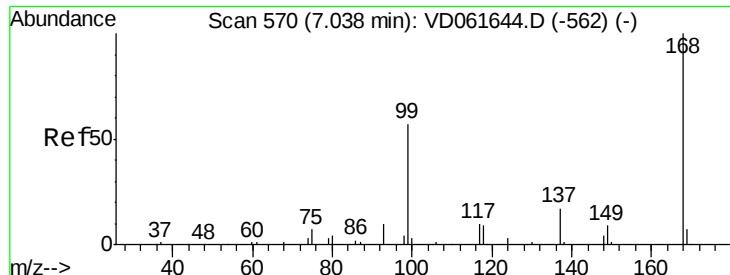
Manual Integrations
APPROVED

MMDadoda
4/12/2019 11:42:43 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	261462	60.648	ug/l	96
94) Hexachlorobutadiene	16.03	225	189336	56.877	ug/l	98
95) Naphthalene	16.11	128	430650	63.132	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	142413	66.190	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: VD061758.D

Acq: 12 Apr 2019 1:01

Tot Ion: 168 Resp: 500566

Ion Ratio Lower Upper

168 100

99 57.2 46.8 70.2

Instrument :

MSVOA_D

ClientSampleId :

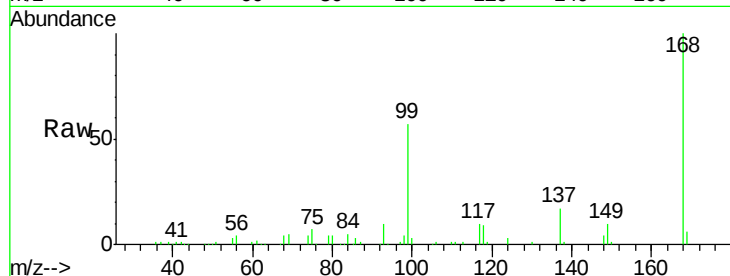
VSTDCCC050

Manual Integrations

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4/12/2019 11:42:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

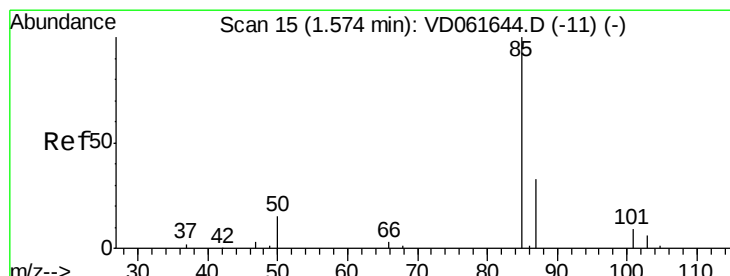
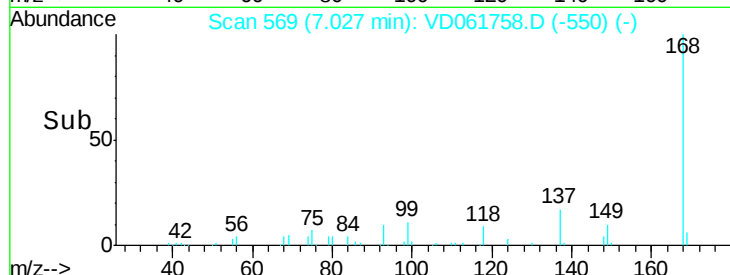
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 51.011 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD061758.D

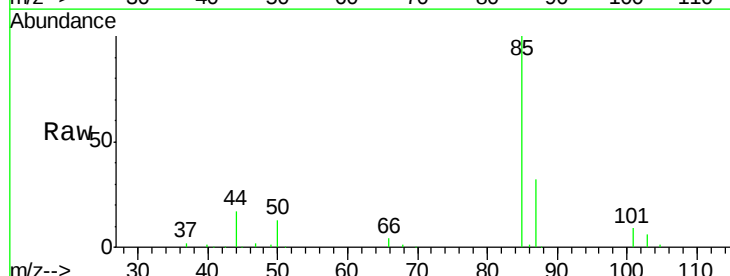
Acq: 12 Apr 2019 1:01

Tgt Ion: 85 Resp: 275473

Ion Ratio Lower Upper

85 100

87 31.6 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

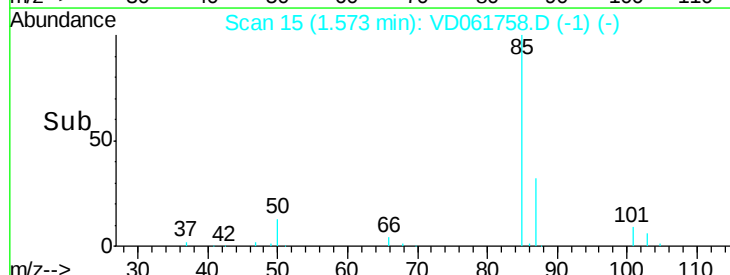
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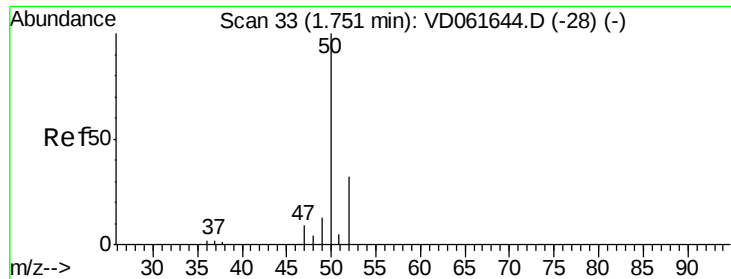
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 46.406 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 202513

Ion Ratio Lower Upper

50 100

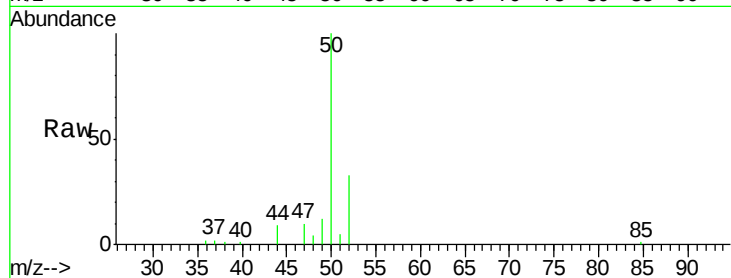
52 33.2 25.1 37.7

Manual Integrations

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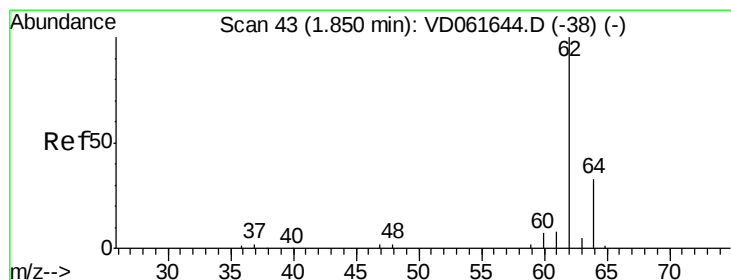
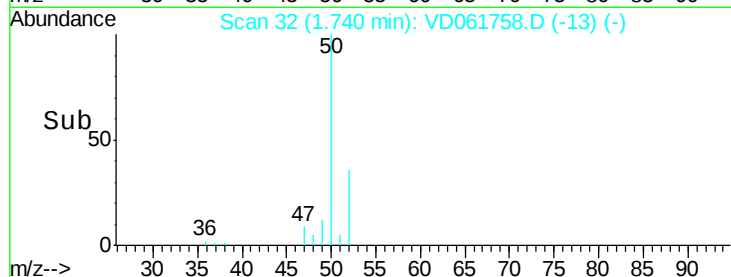
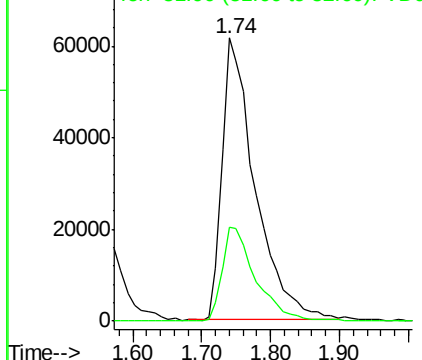
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.749 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD061758.D

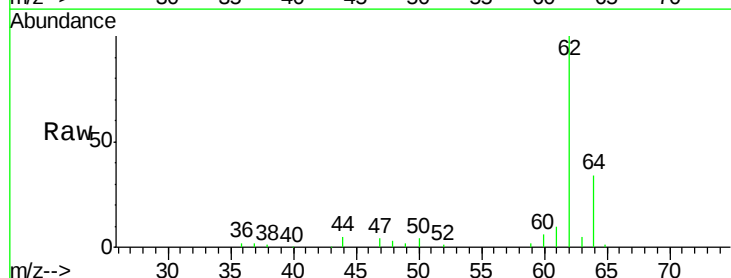
Acq: 12 Apr 2019 1:01

Tgt Ion: 62 Resp: 211023

Ion Ratio Lower Upper

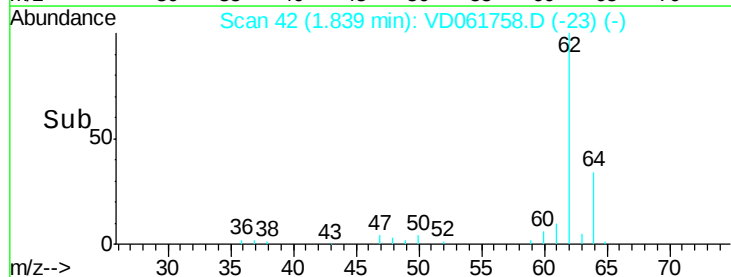
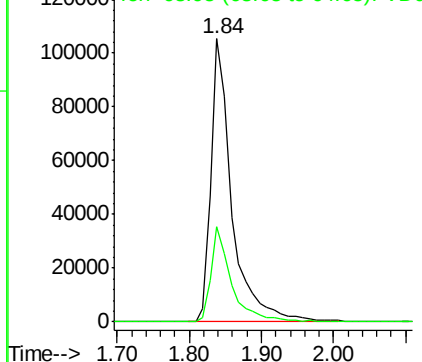
62 100

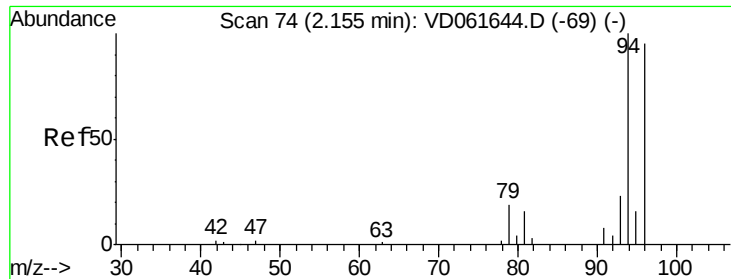
64 33.8 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





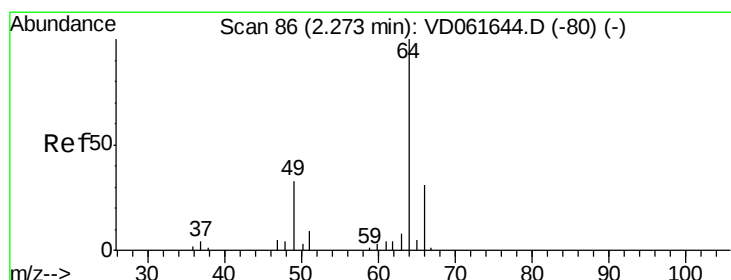
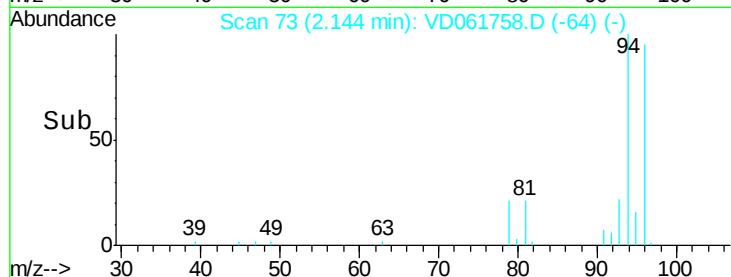
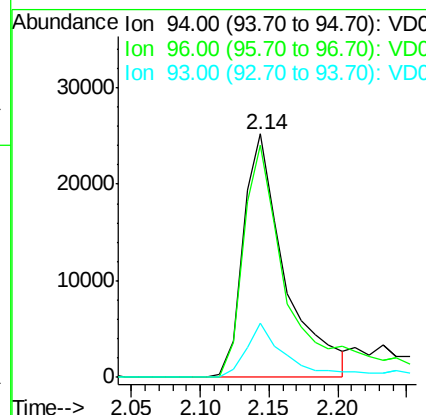
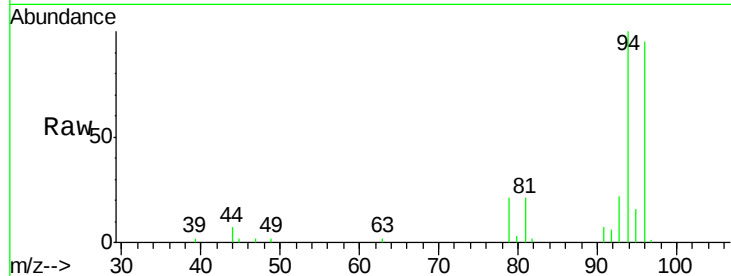
#5
Bromomethane
Concen: 56.268 ug/l
RT: 2.14 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

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Tot Ion	Ratio	Lower	Upper
94	100		
96	95.4	75.8	113.8
93	22.2	18.6	28.0

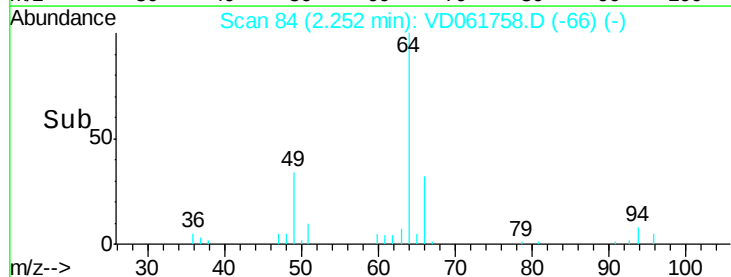
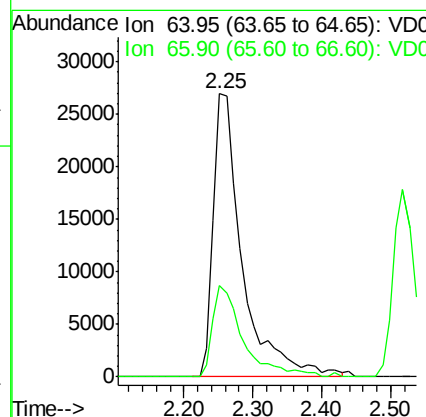
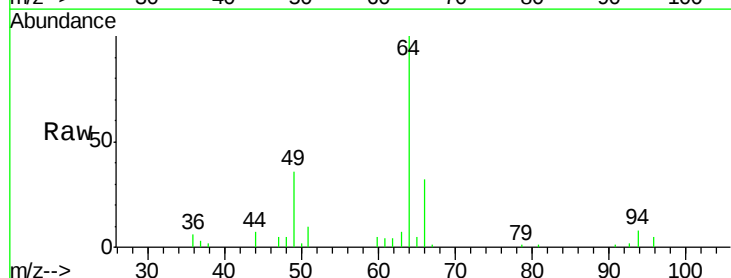
Manual Integrations
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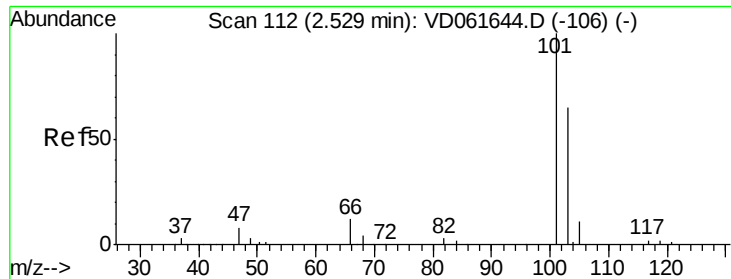
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4/12/2019 11:42:43 AM



#6
Chloroethane
Concen: 61.819 ug/l
RT: 2.25 min Scan# 84
Delta R.T. -0.02 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.9	37.3





#7

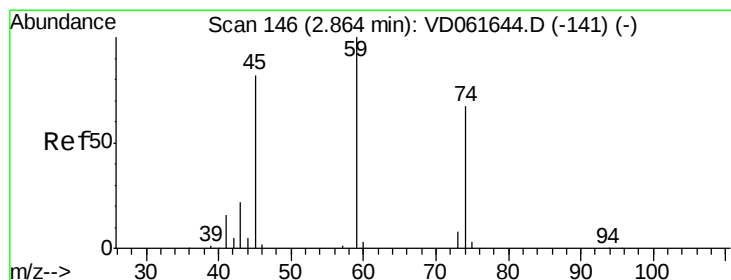
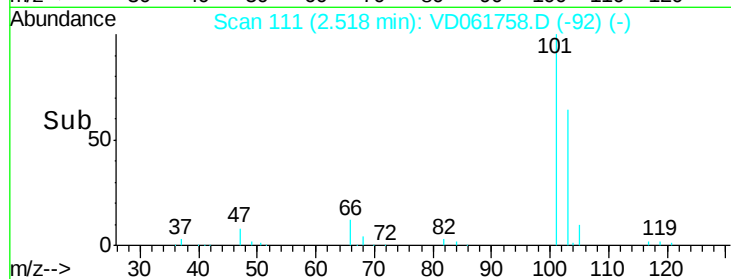
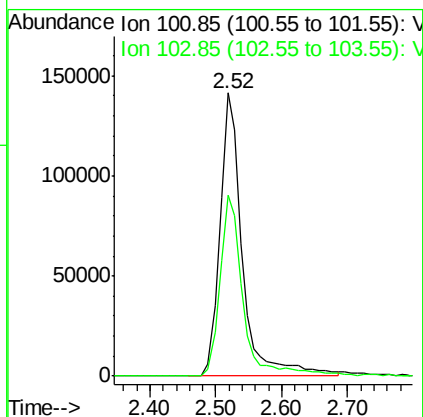
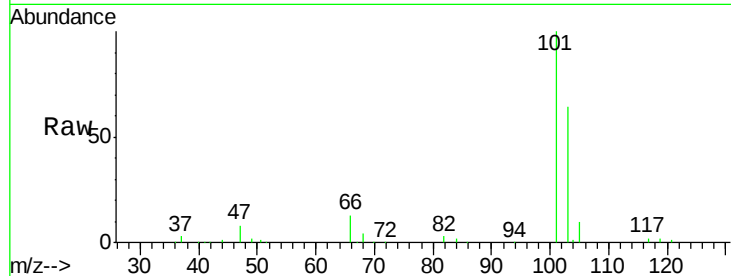
Trichlorofluoromethane
Concen: 54.664 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.0	78.0

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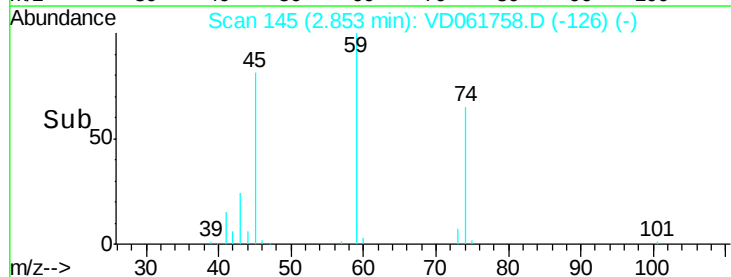
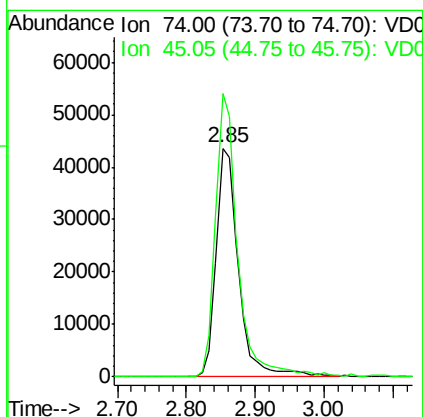
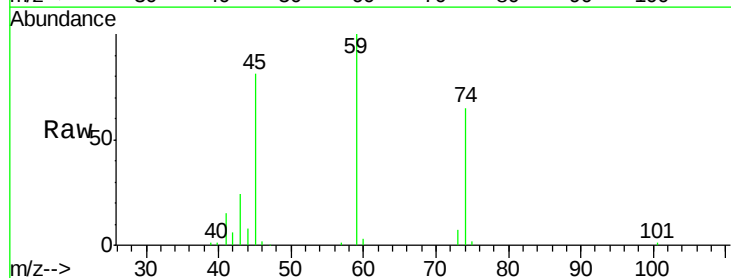
MMDadoda
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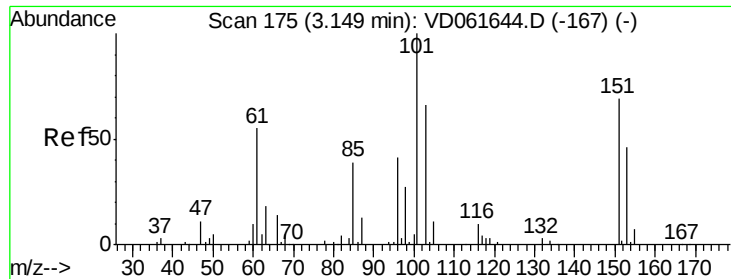


#8

Diethyl Ether
Concen: 57.094 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.9	61.0	183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.936 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

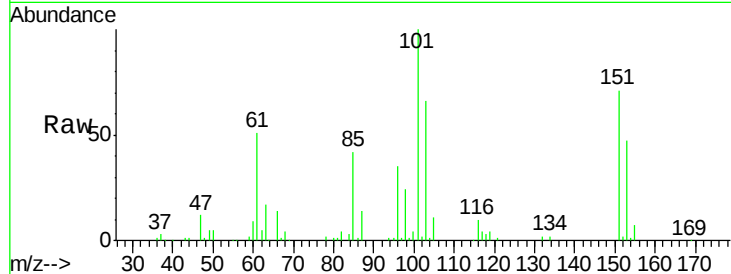
ClientSampleID :

VSTDCCC050

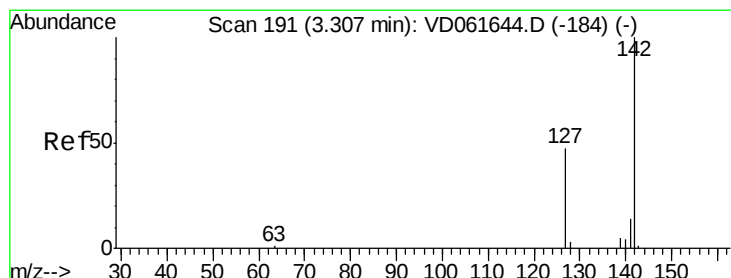
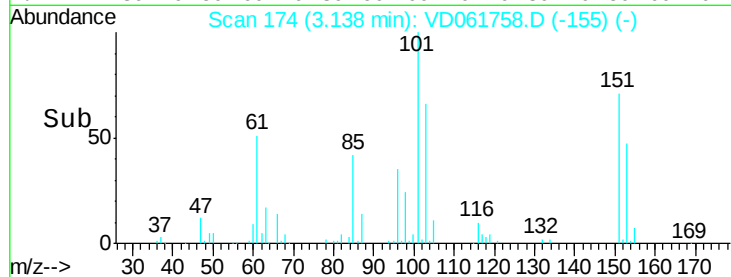
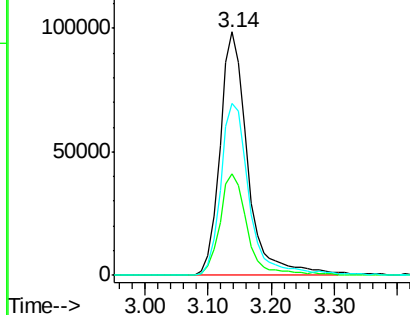
Tot Ion:	101	Resp:	302272
Ion Ratio	Lower	Upper	
101	100		
85	41.7	31.0	46.6
151	70.6	55.3	82.9

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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: 54.391 ug/l

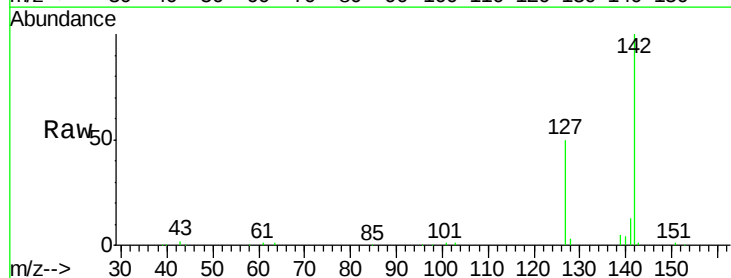
RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

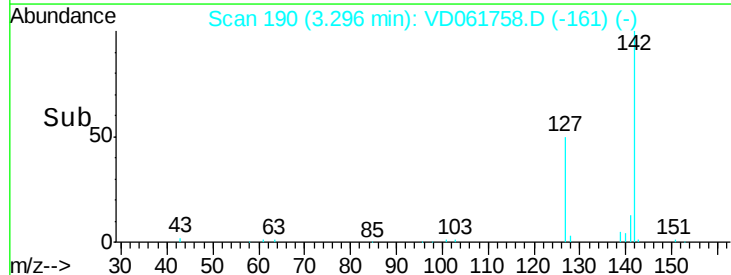
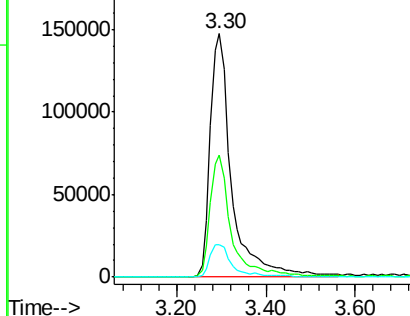
Lab File: VD061758.D

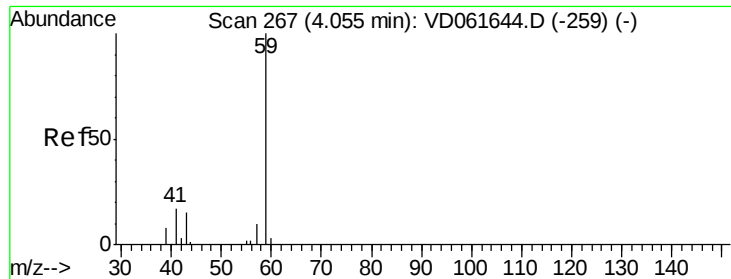
Acq: 12 Apr 2019 1:01

Tgt Ion:	142	Resp:	494111
Ion Ratio	Lower	Upper	
142	100		
127	49.9	37.2	55.8
141	13.1	10.8	16.2



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

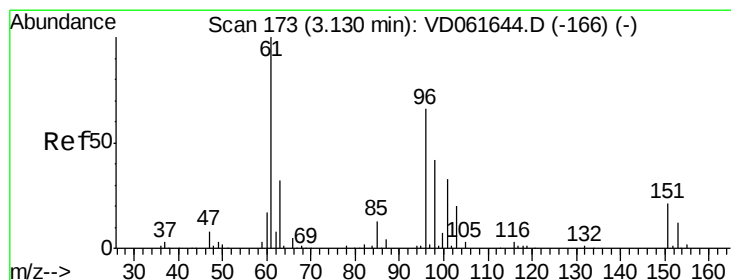
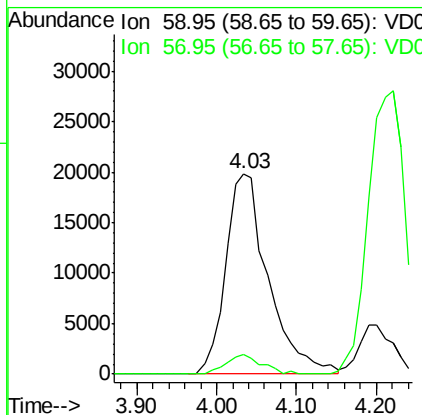
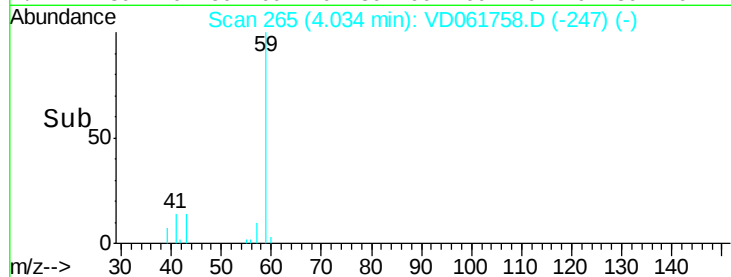
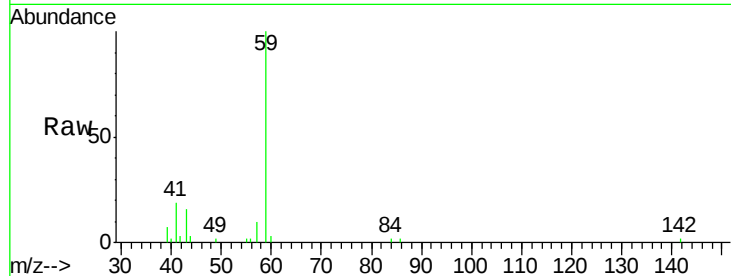
Tert butyl alcohol
Concen: 290.321 ug/l
RT: 4.03 min Scan# 265
Delta R.T. -0.02 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 73825
Ion Ratio Lower Upper
59 100
57 9.8 8.4 12.6

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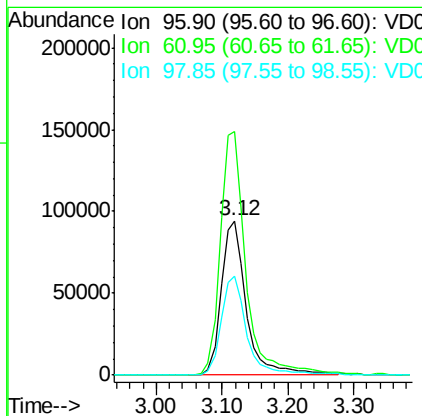
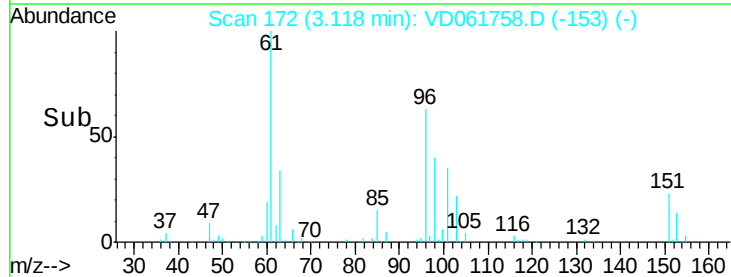
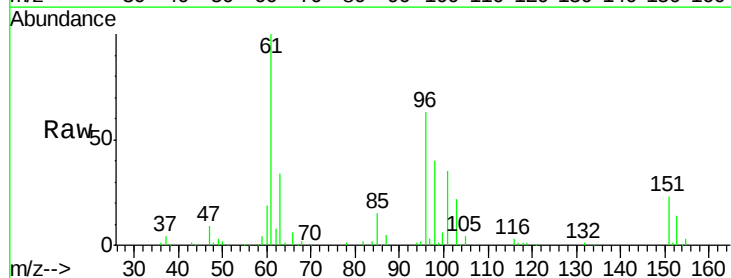
MMDadoda
4/12/2019 11:42:43 AM

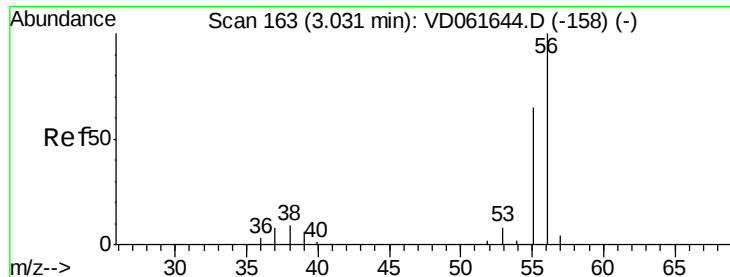


#12

1,1-Dichloroethene
Concen: 48.206 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion: 96 Resp: 251552
Ion Ratio Lower Upper
96 100
61 158.0 121.3 181.9
98 64.0 50.6 76.0





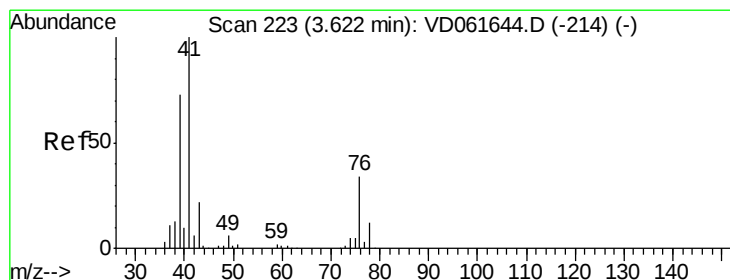
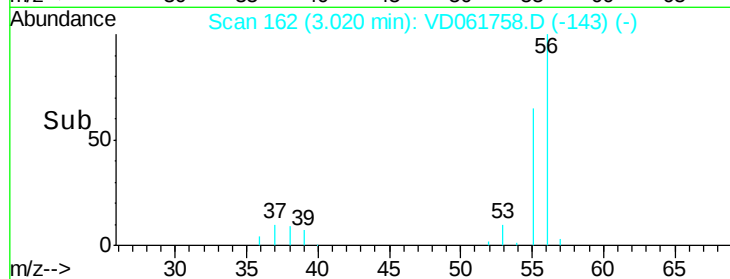
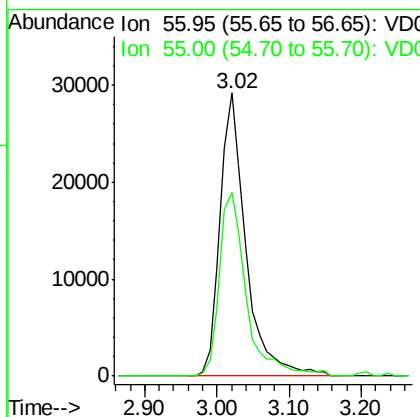
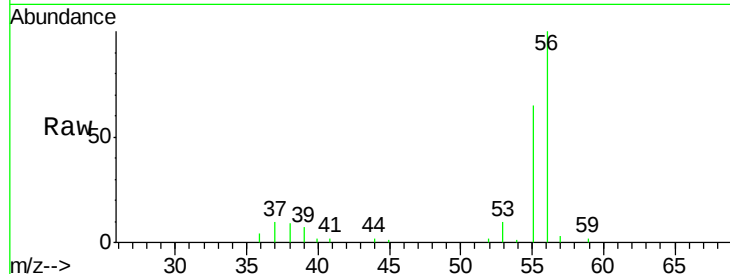
#13
Acrolein
Concen: 233.106 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 72270
Ion Ratio Lower Upper
56 100
55 64.7 51.8 77.6

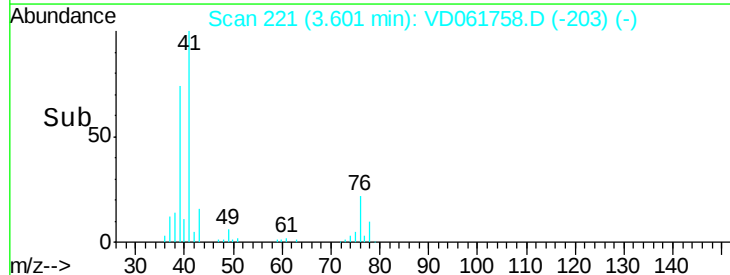
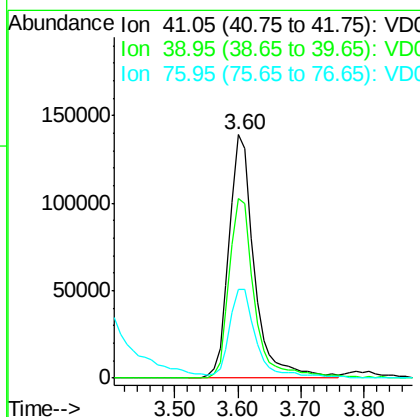
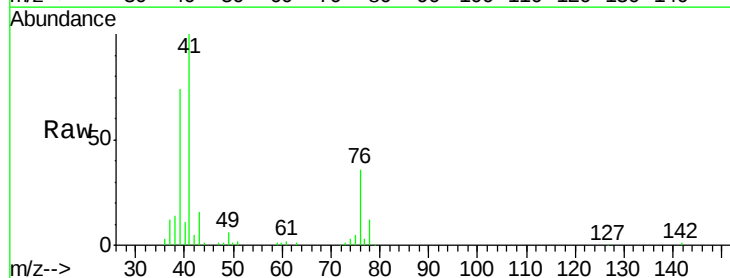
Manual Integrations
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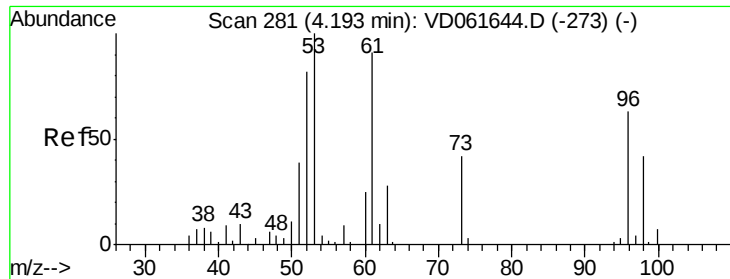
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#14
Allyl chloride
Concen: 54.447 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.02 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion: 41 Resp: 387515
Ion Ratio Lower Upper
41 100
39 73.7 58.2 87.4
76 36.4 29.8 44.6





#15

Acrylonitrile

Concen: 261.054 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.03 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

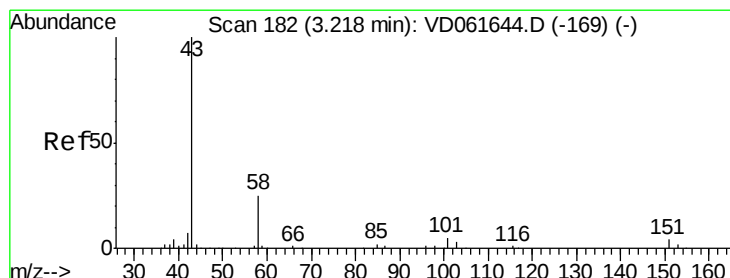
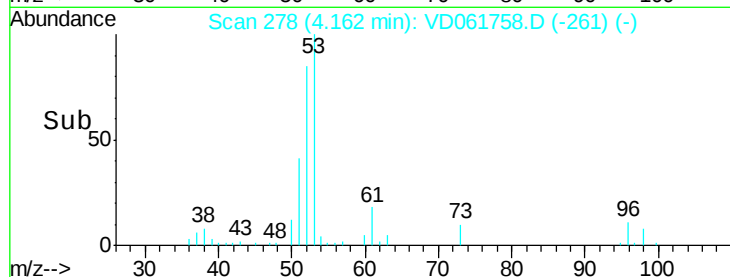
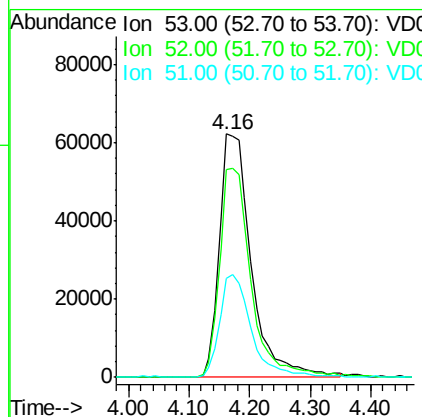
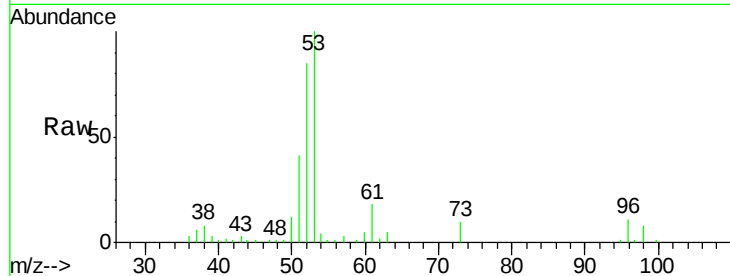
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	228511
Ion Ratio	Lower	Upper	
53	100		
52	85.1	65.9	98.9
51	40.6	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 226.147 ug/l

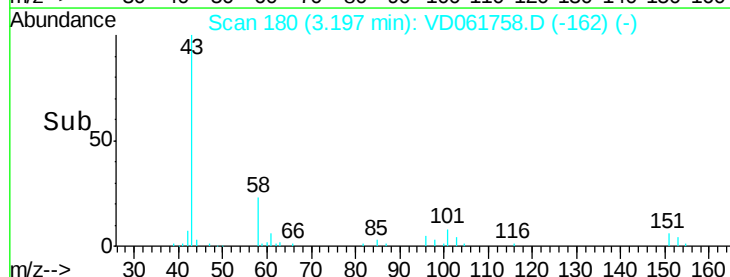
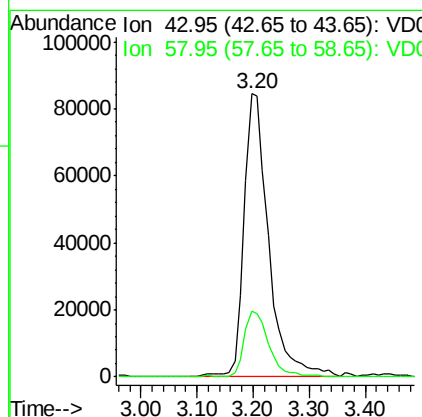
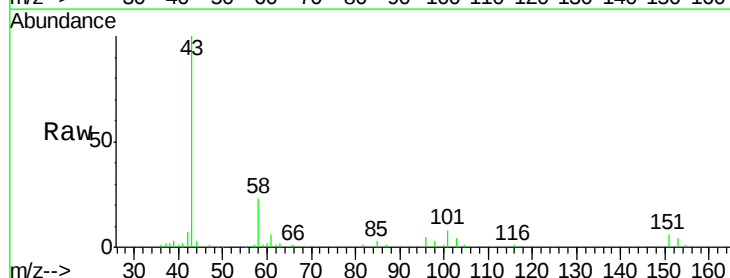
RT: 3.20 min Scan# 180

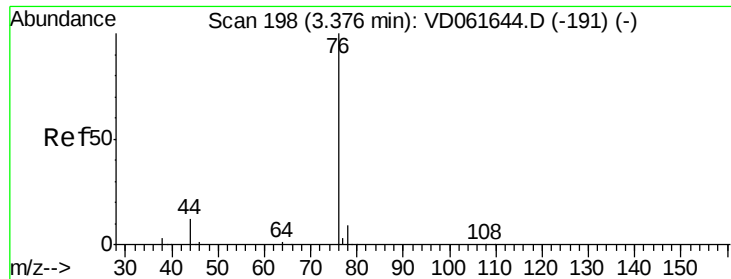
Delta R.T. -0.02 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion:	43	Resp:	256503
Ion Ratio	Lower	Upper	
43	100		
58	23.1	19.7	29.5





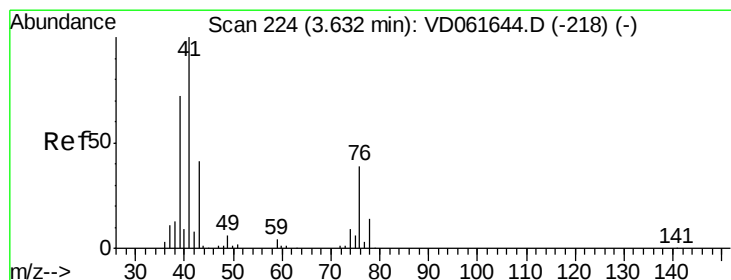
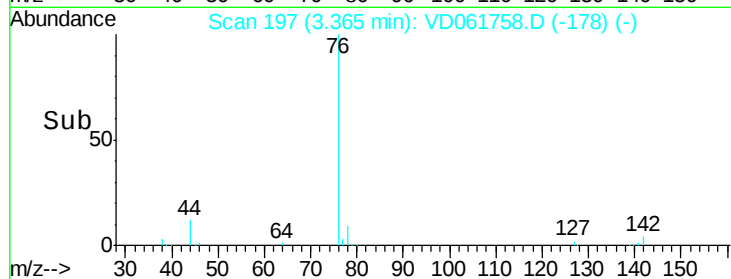
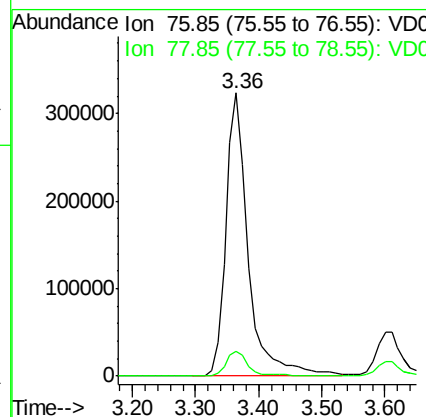
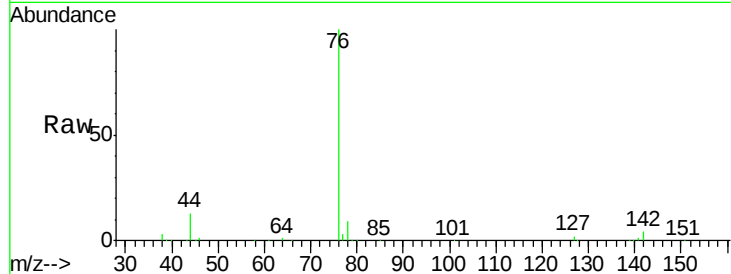
#17
Carbon Disulfide
Concen: 46.979 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

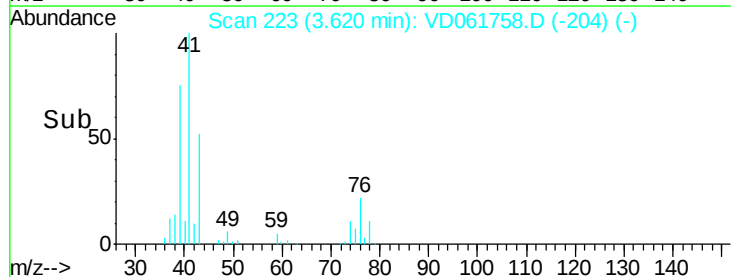
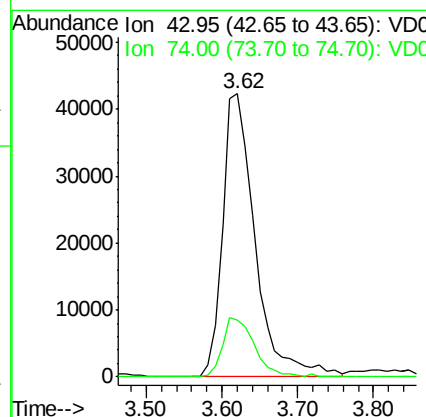
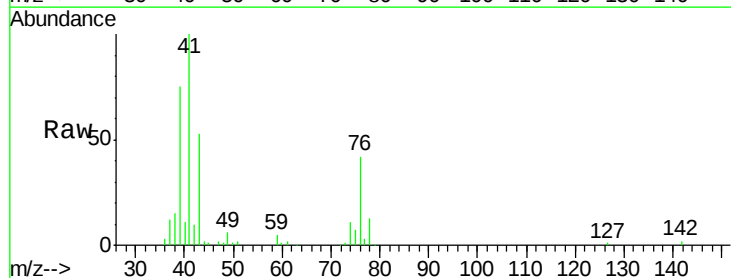
Manual Integrations
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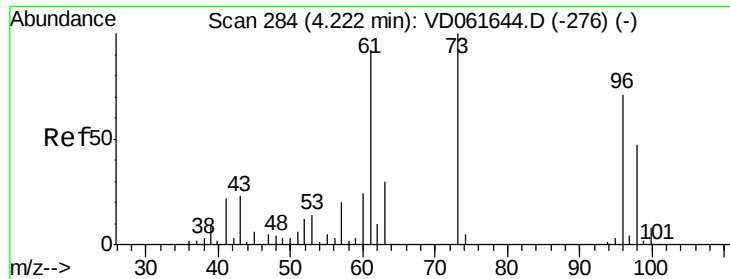
MMDadoda
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#18
Methyl Acetate
Concen: 59.199 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	18.2	27.2





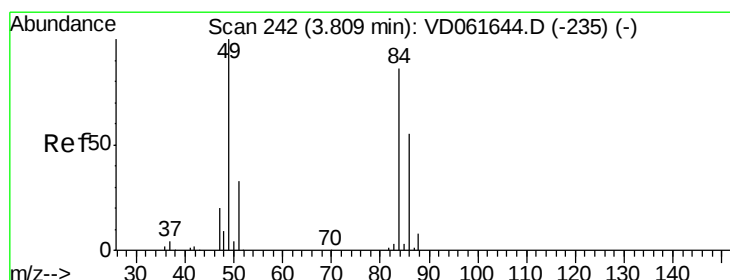
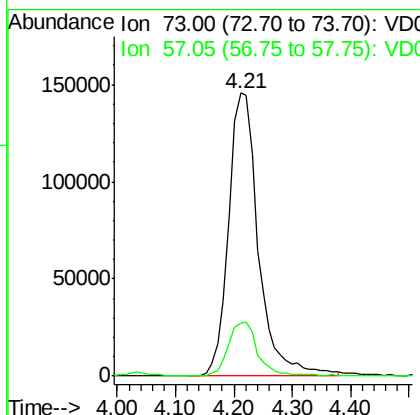
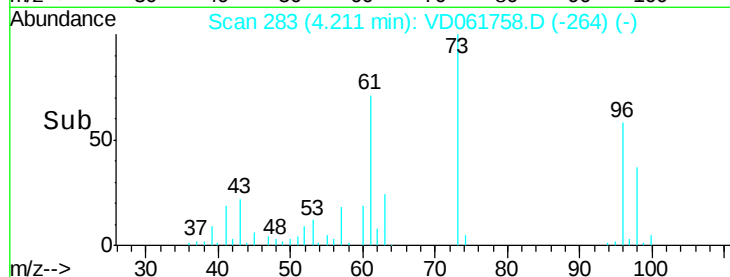
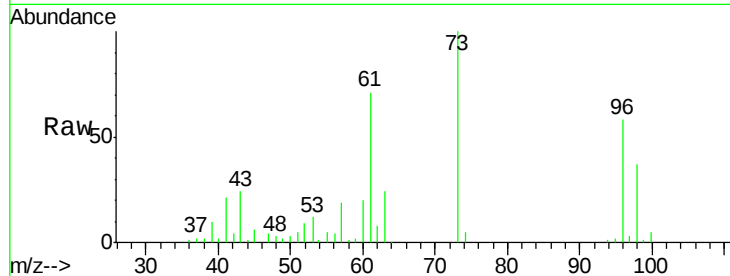
#19
Methvl tert-butvl Ether
Concen: 57.589 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 520344
Ion Ratio Lower Upper
73 100
57 18.8 16.0 24.0

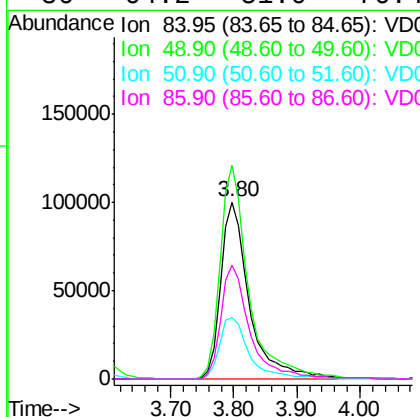
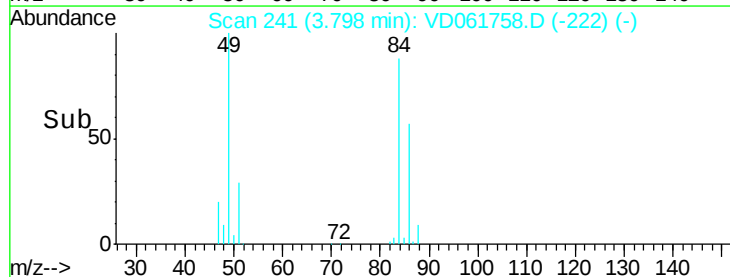
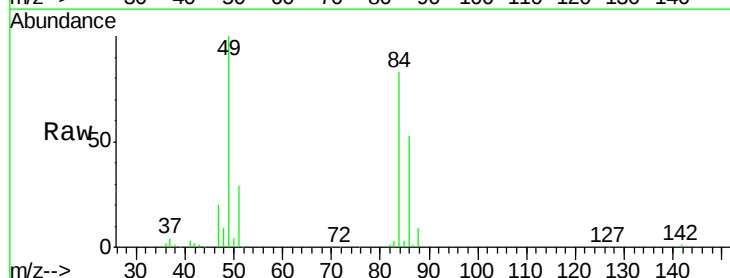
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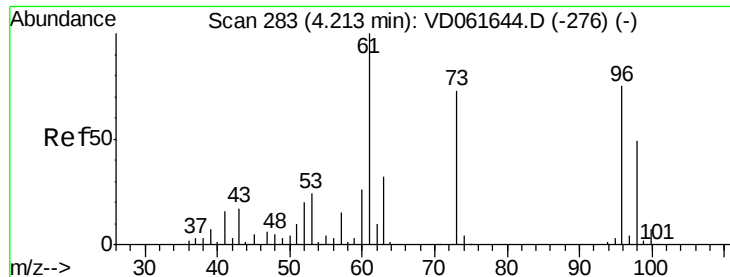
MMDadoda
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#20
Methylene Chloride
Concen: 49.129 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion: 84 Resp: 316204
Ion Ratio Lower Upper
84 100
49 120.7 93.0 139.4
51 34.9 30.4 45.6
86 64.2 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 51.194 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

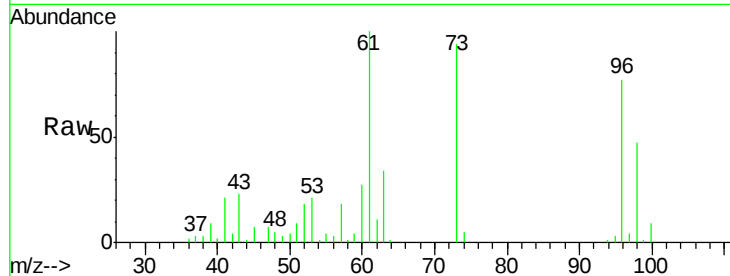
ClientSampleId :

VSTDCCC050

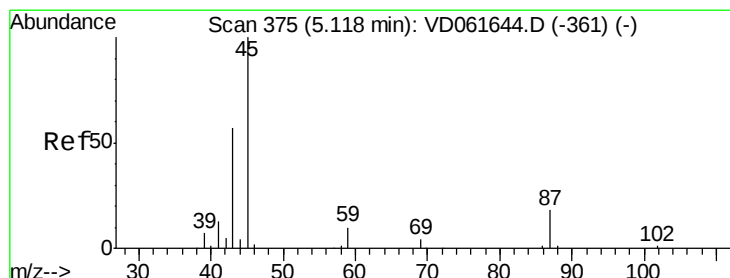
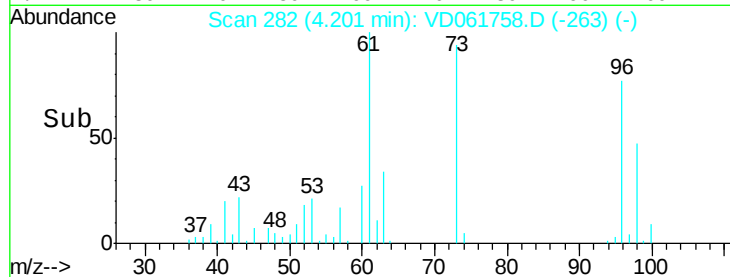
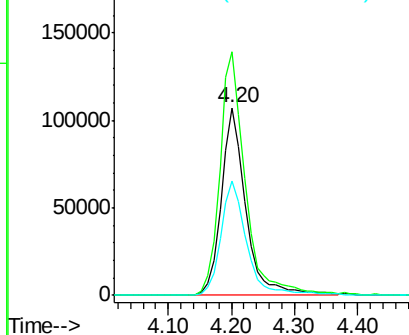
Tot Ion:	96	Resp:	290153
Ion Ratio	Lower	Upper	
96	100		
61	129.6	106.8	160.2
98	60.6	52.2	78.2

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



#22

Diisopropyl ether

Concen: 56.205 ug/l

RT: 5.09 min Scan# 372

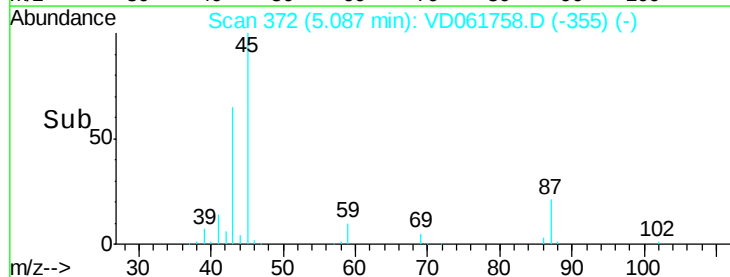
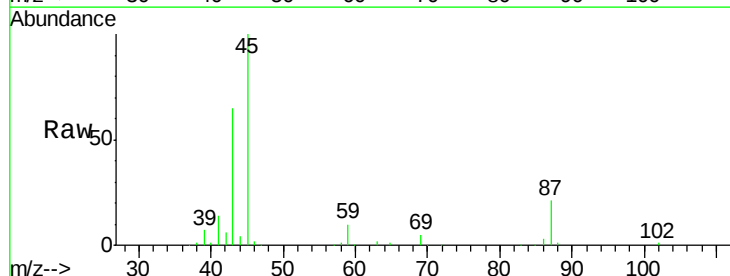
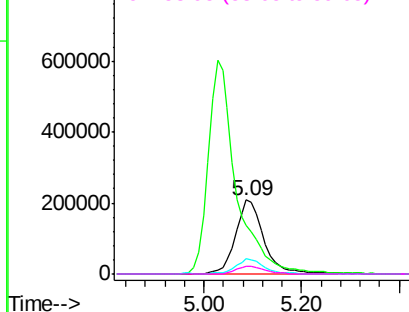
Delta R.T. -0.03 min

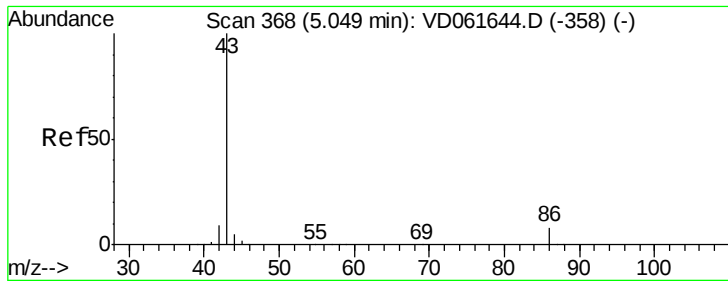
Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion:	45	Resp:	838703
Ion Ratio	Lower	Upper	
45	100		
43	65.3	46.6	70.0
87	20.7	15.6	23.4
59	9.9	8.6	13.0

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





#23

Vinyl Acetate

Concen: 288.907 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2378816

Ion Ratio Lower Upper

43 100

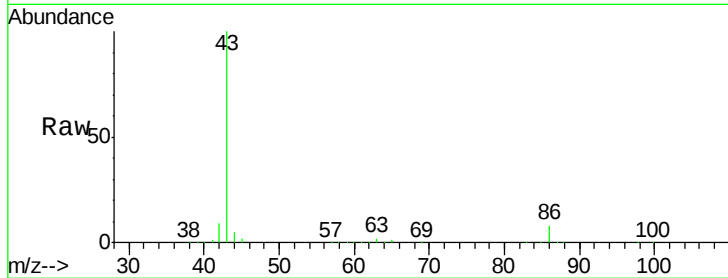
86 7.9 6.4 9.6

Manual Integrations

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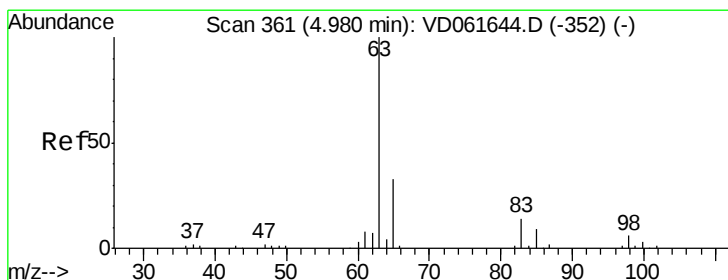
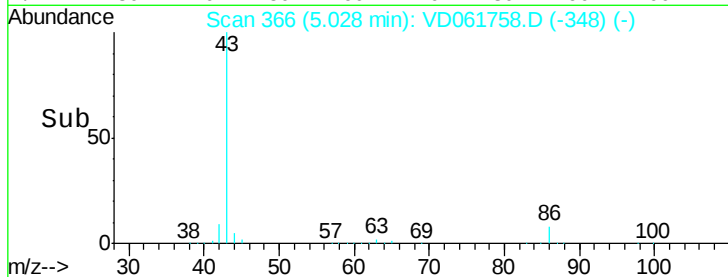
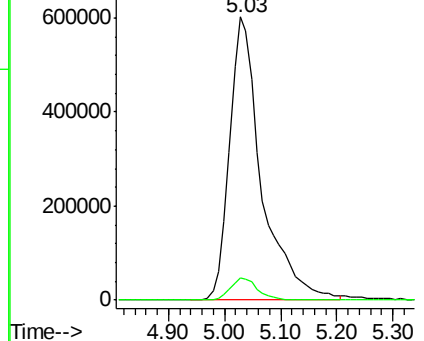
MMDadoda

4/12/2019 11:42:43 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.555 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.02 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

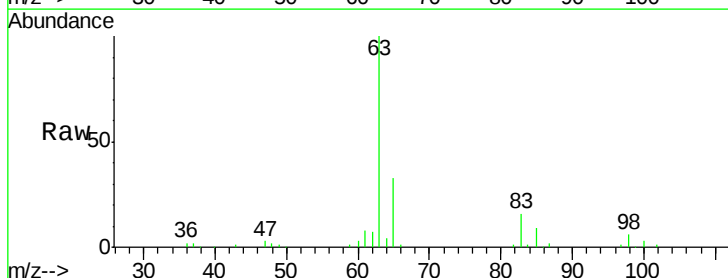
Tgt Ion: 63 Resp: 508011

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

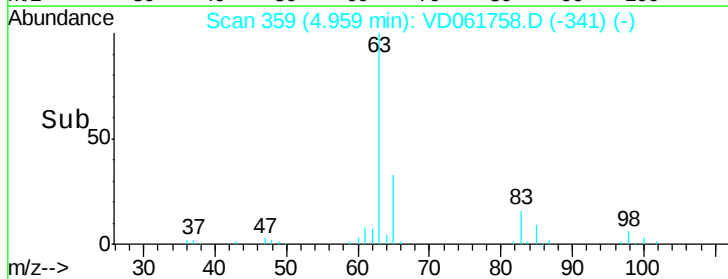
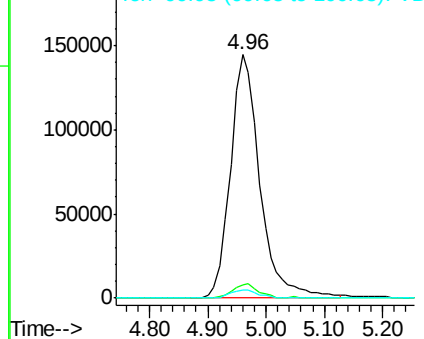
100 3.1 1.7 5.1

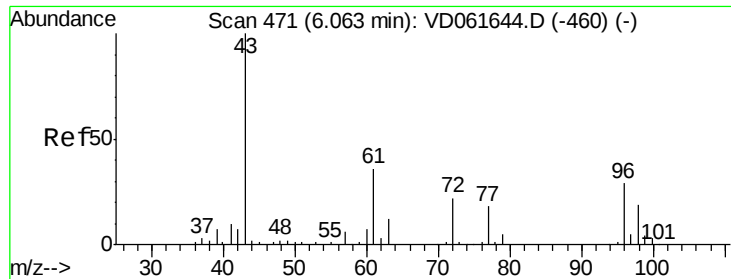


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 271.915 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.02 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 355550

Ion Ratio Lower Upper

43 100

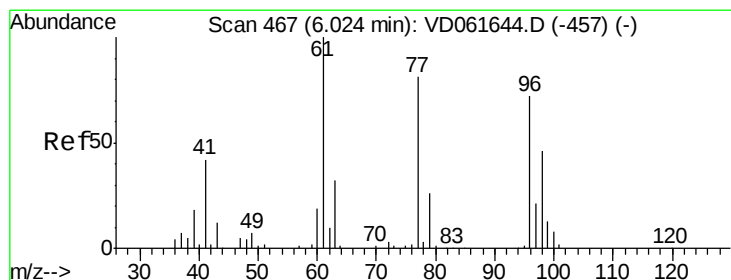
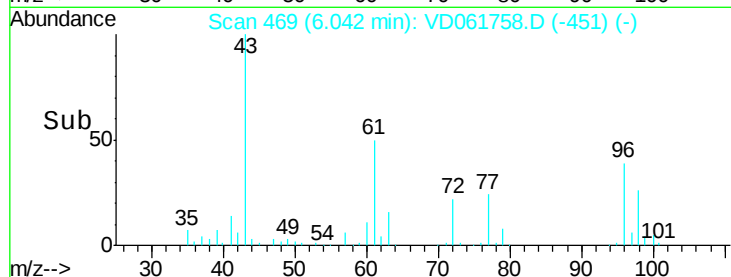
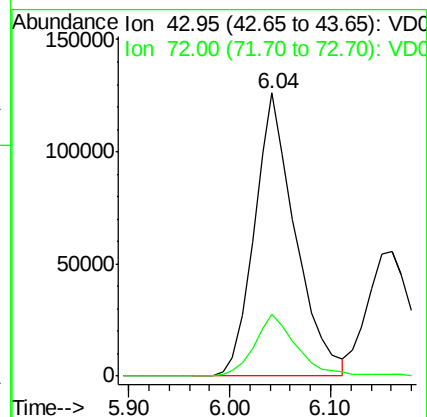
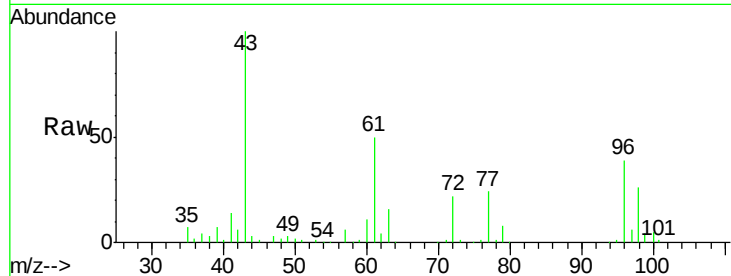
72 21.9 17.4 26.2

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4/12/2019 11:42:43 AM



#26

2,2-Dichloropropane

Concen: 53.245 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD061758.D

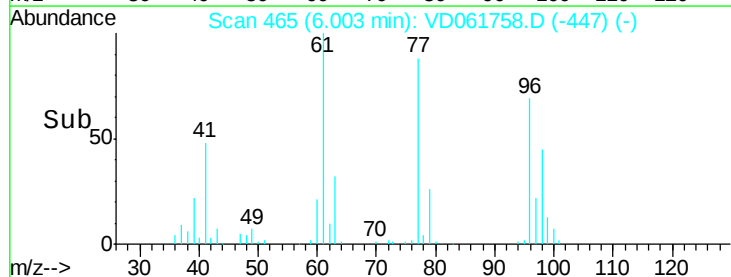
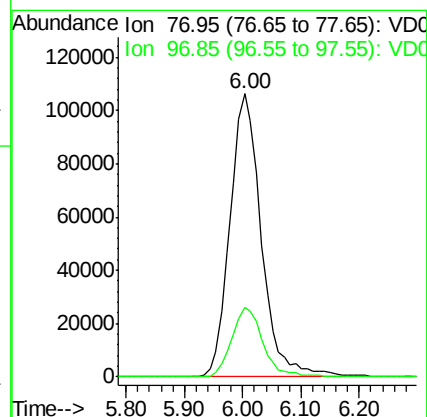
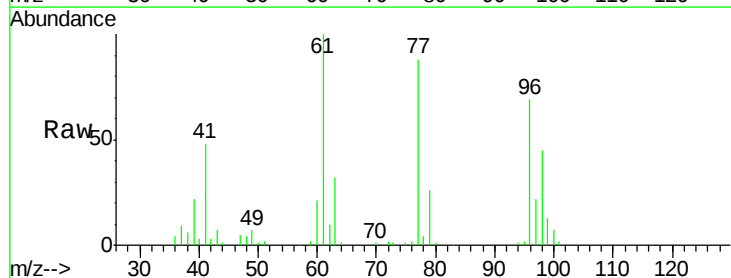
Acq: 12 Apr 2019 1:01

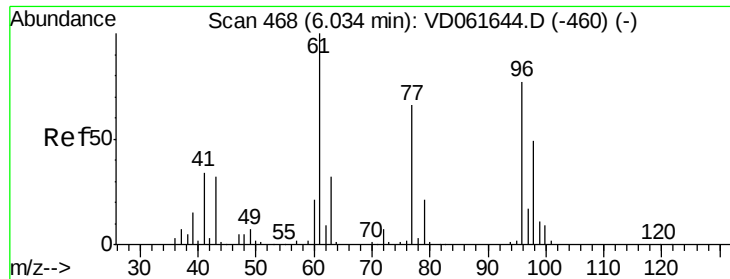
Tgt Ion: 77 Resp: 396446

Ion Ratio Lower Upper

77 100

97 24.8 12.7 38.0





#27

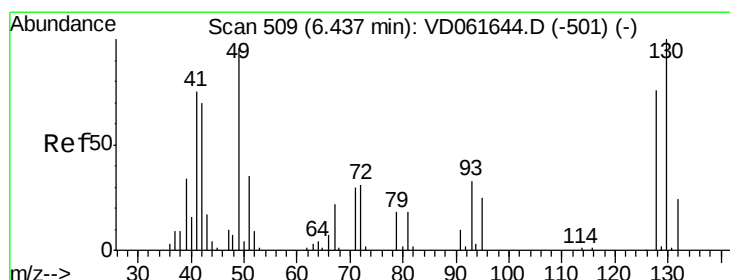
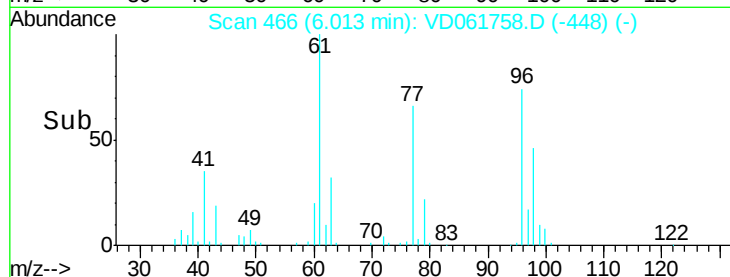
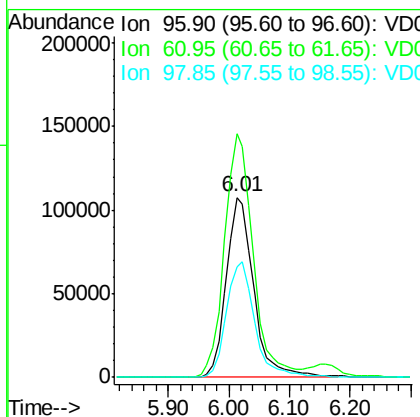
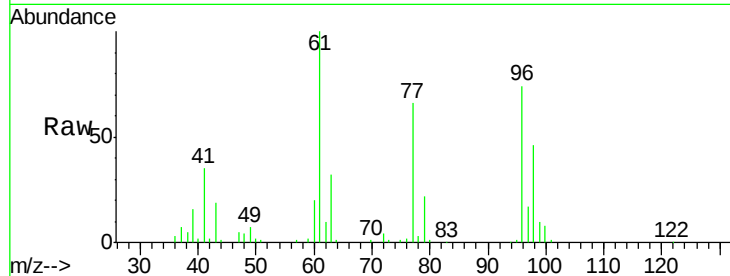
cis-1,2-Dichloroethene
Concen: 56.074 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.02 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	339047		
61	135.3	0.0	259.8	
98	61.6	0.0	127.6	

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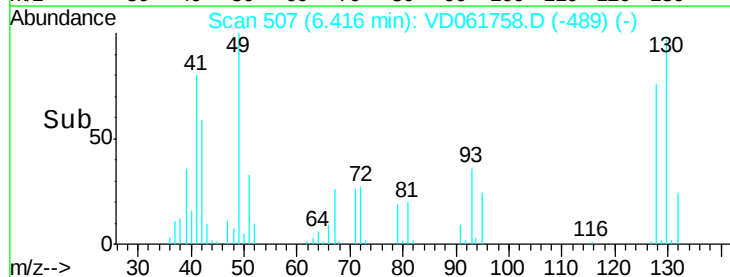
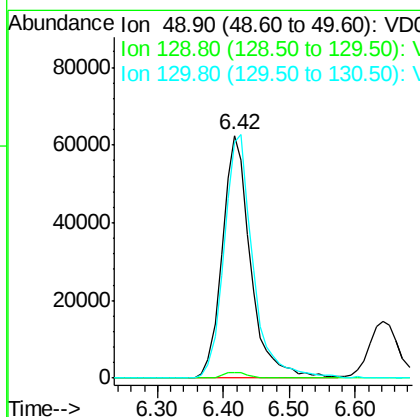
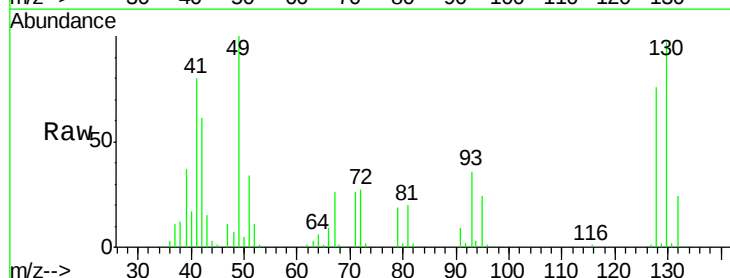
MMDadoda
4/12/2019 11:42:43 AM

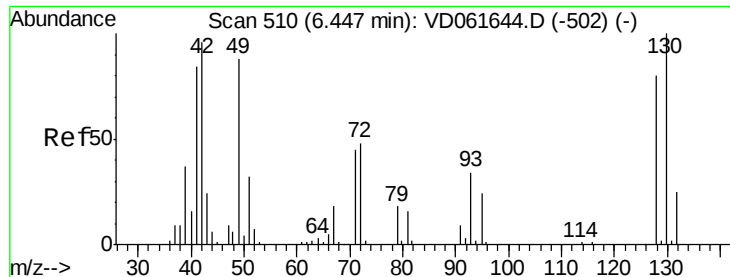


#28

Bromochloromethane
Concen: 55.572 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	187454		
129	2.3	0.0	4.0	
130	97.1	83.3	124.9	





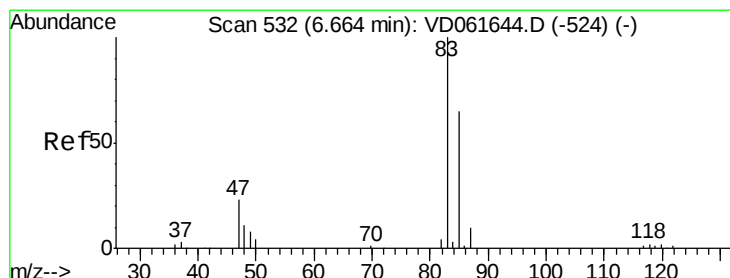
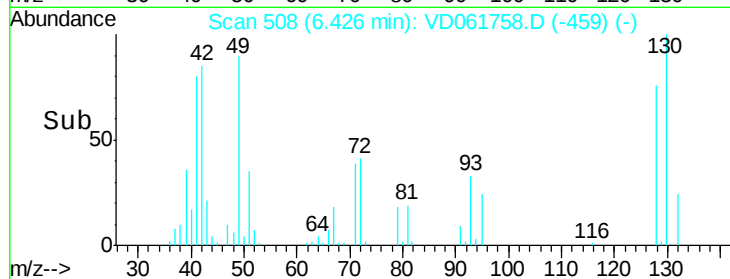
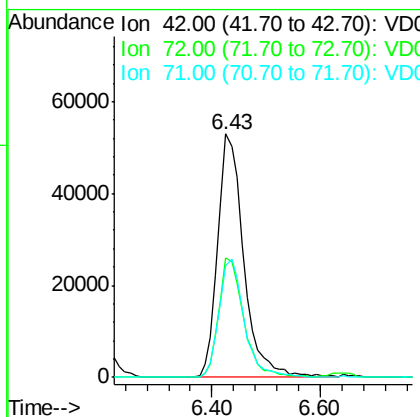
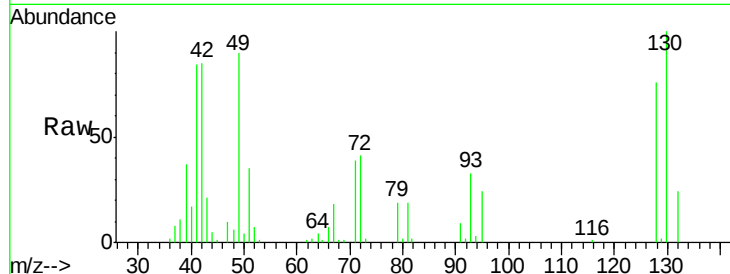
#29
Tetrahydrofuran
Concen: 279.432 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	176381		
72	47.0		37.0	55.6
71	46.9		36.5	54.7

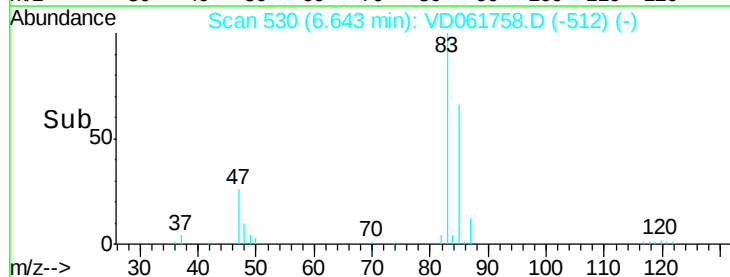
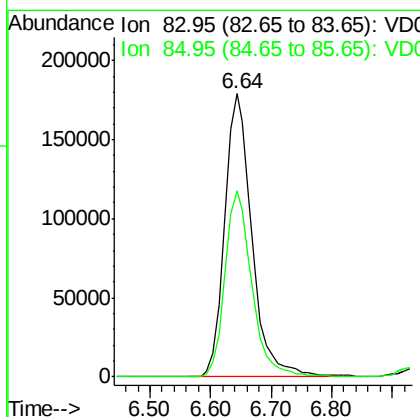
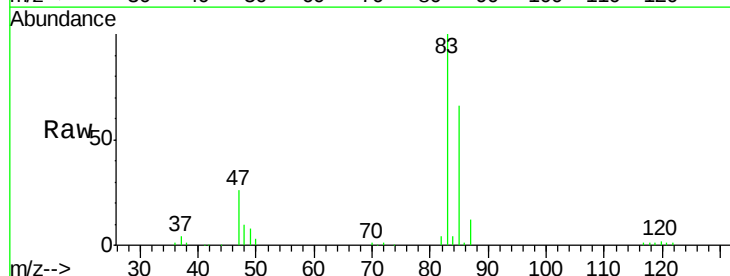
Manual Integrations
APPROVED

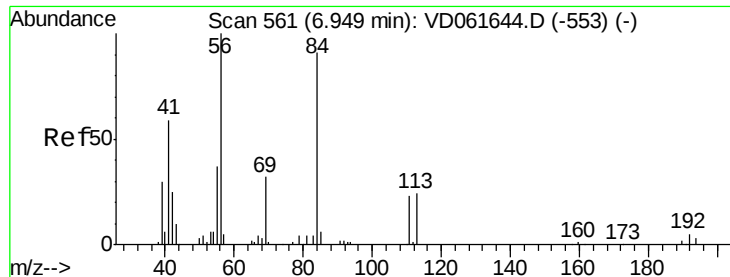
MMDadoda
4/12/2019 11:42:43 AM



#30
Chloroform
Concen: 58.127 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.02 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	556822		
85	65.6		51.9	77.9





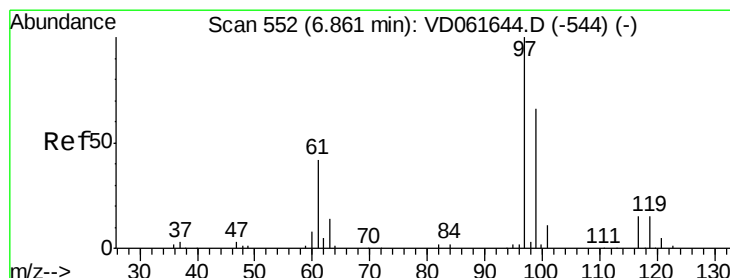
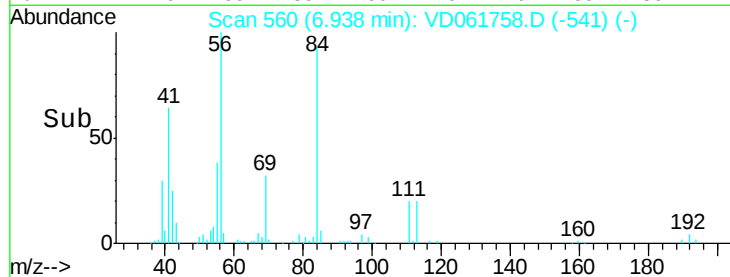
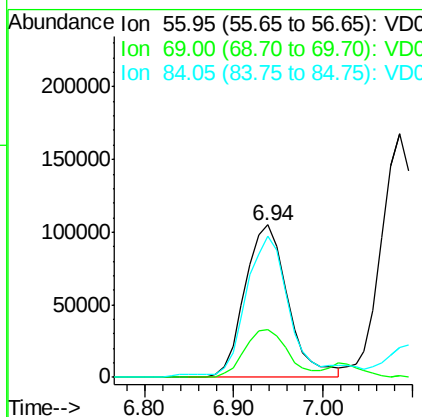
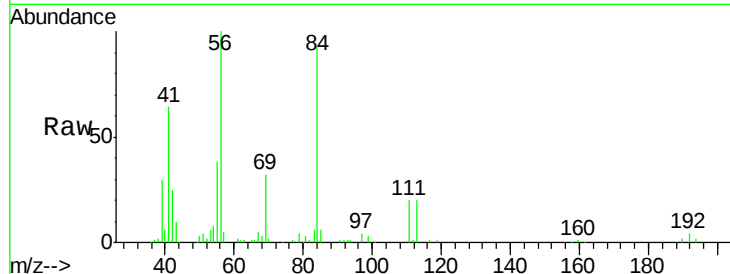
#31
Cyclohexane
Concen: 49.198 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.8	38.6
84	92.9	74.2	111.2

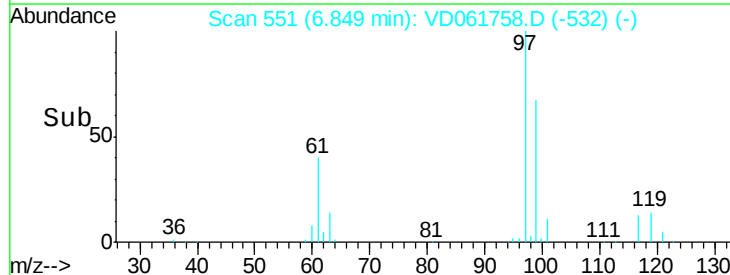
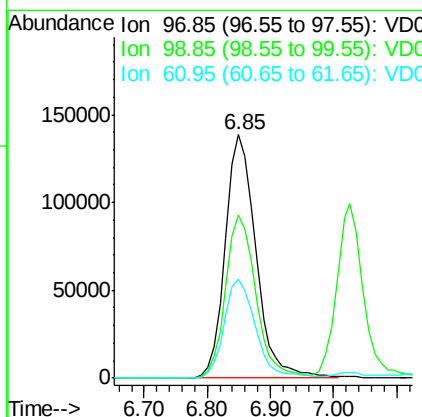
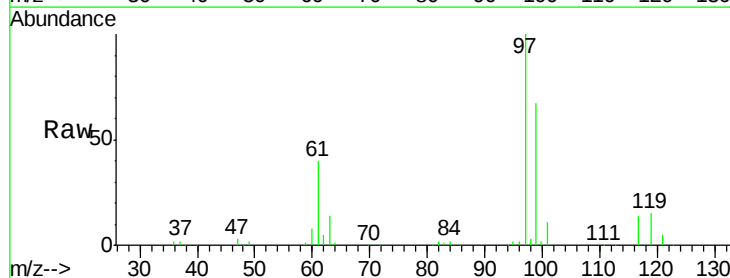
Manual Integrations
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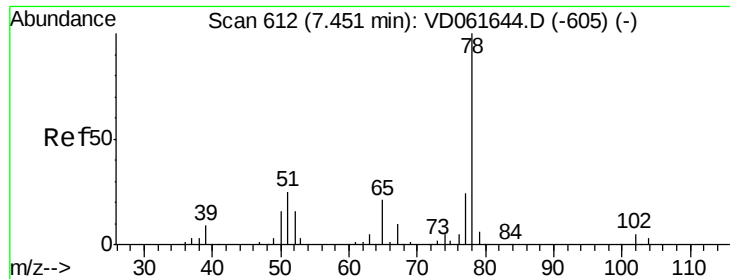
MMDadoda
4/12/2019 11:42:43 AM



#32
1,1,1-Trichloroethane
Concen: 55.704 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.5	78.7
61	40.4	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 55.704 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 179616

Ion Ratio Lower Upper

65 100

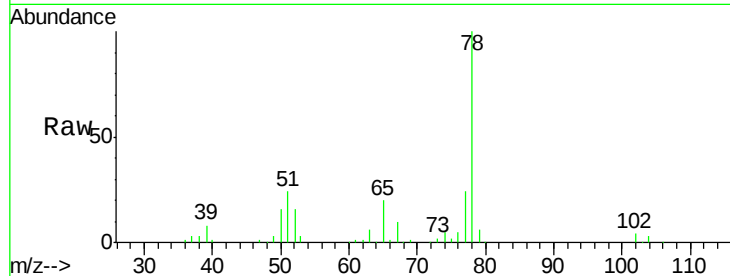
67 48.3 0.0 99.4

Manual Integrations

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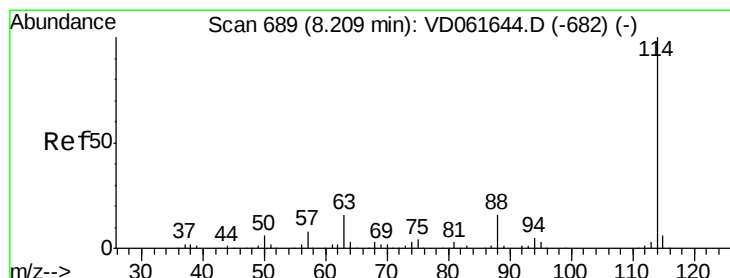
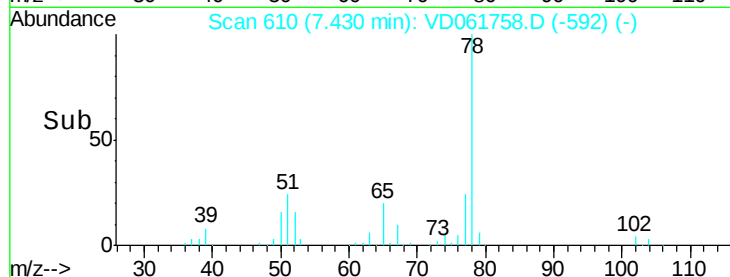
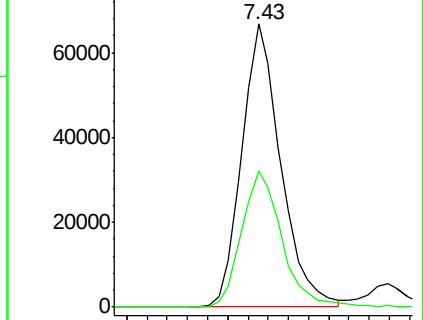
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

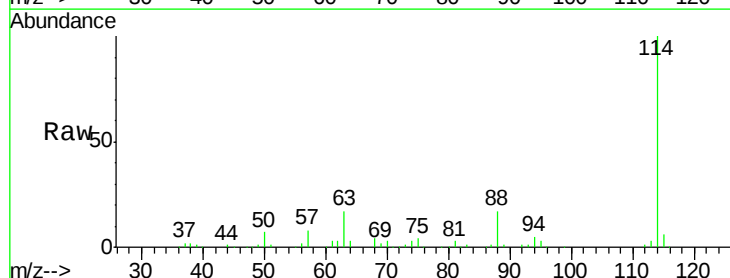
Tgt Ion: 114 Resp: 791117

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.2

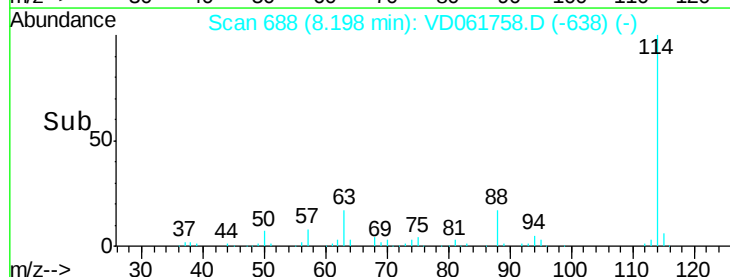
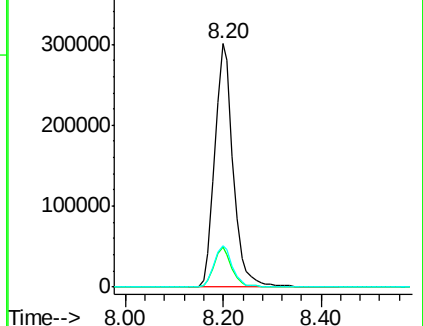
88 17.3 0.0 31.8

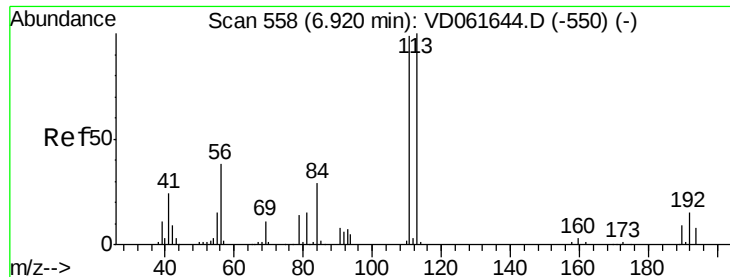


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

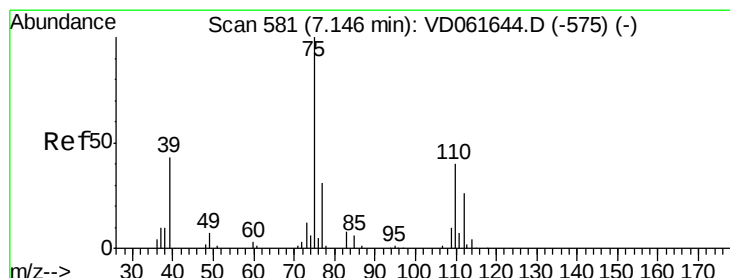
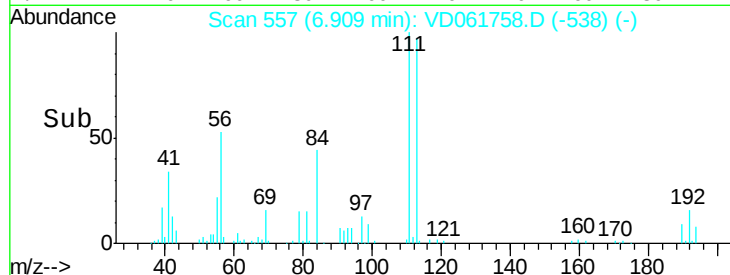
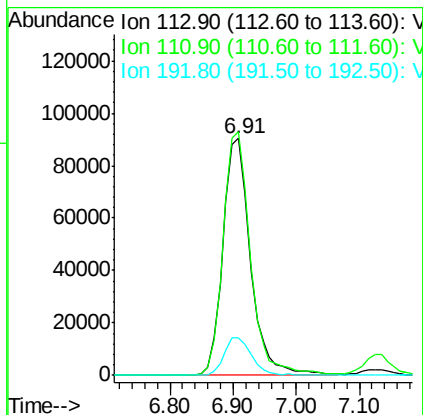
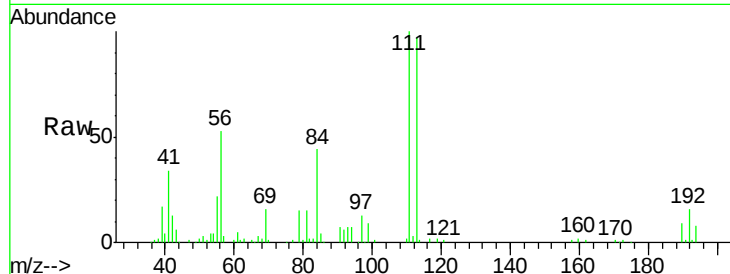
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	275387
Ion Ratio	Lower	Upper	
113	100		
111	102.8	79.3	118.9
192	16.1	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.193 ug/l

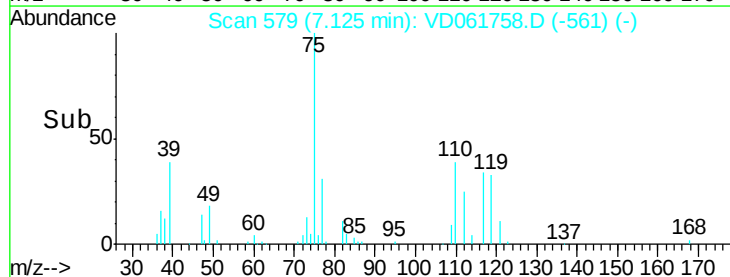
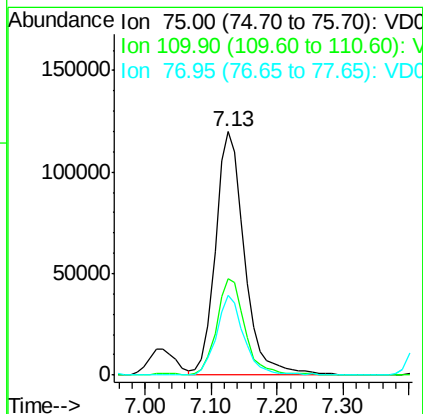
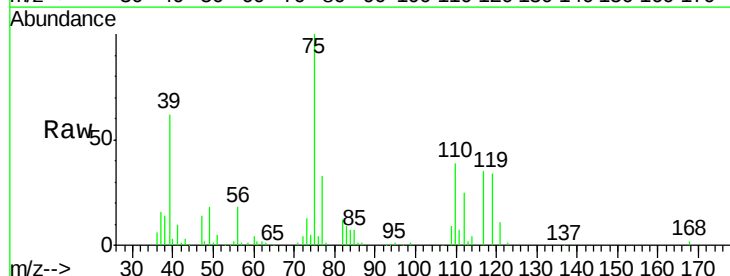
RT: 7.13 min Scan# 579

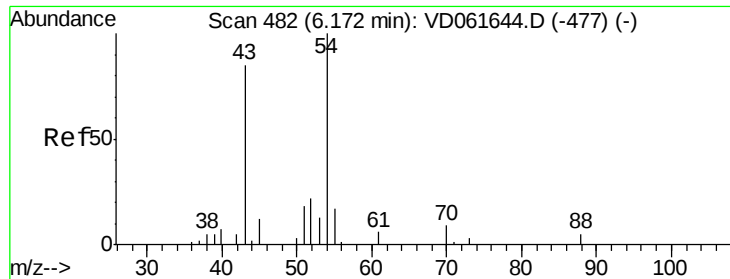
Delta R.T. -0.02 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion:	75	Resp:	361369
Ion Ratio	Lower	Upper	
75	100		
110	39.5	19.7	59.0
77	32.5	24.8	37.2





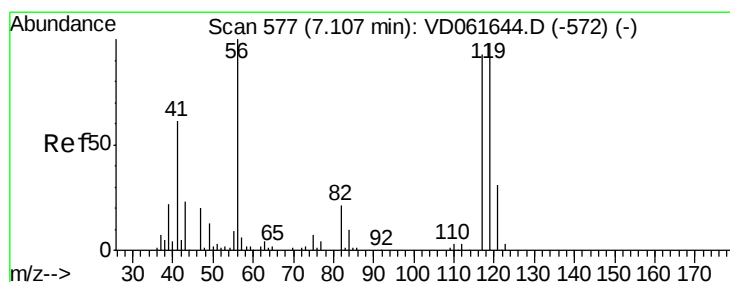
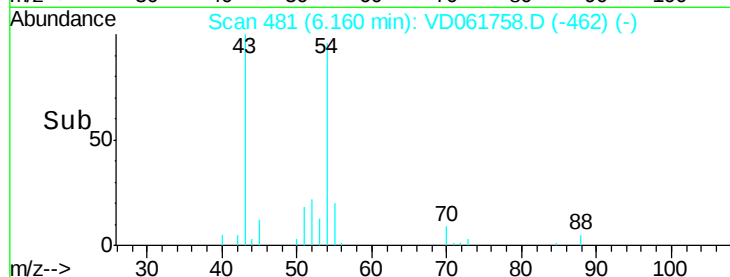
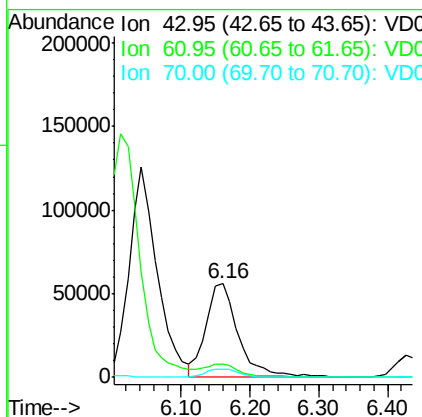
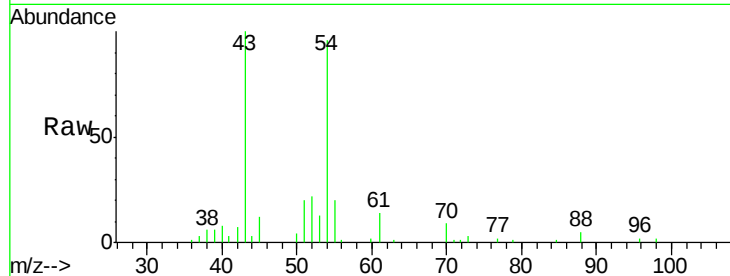
#37
Ethyl Acetate
Concen: 63.205 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.9	17.9
70	8.7	6.9	10.3

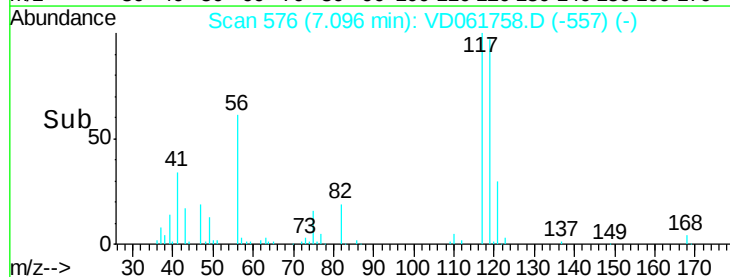
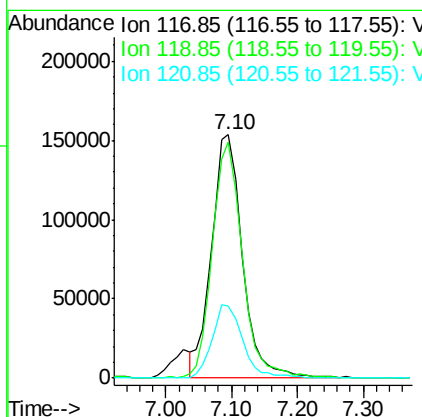
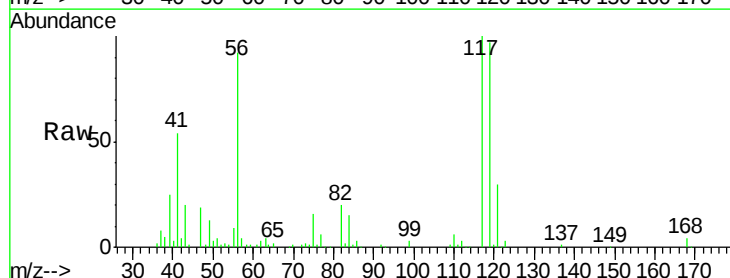
Manual Integrations
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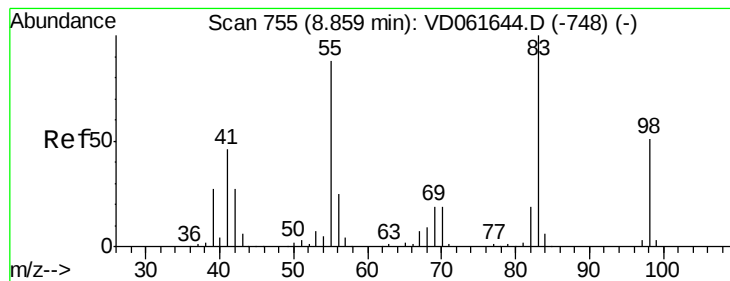
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4/12/2019 11:42:43 AM



#38
Carbon Tetrachloride
Concen: 60.923 ug/l m
RT: 7.10 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.9	116.9
121	29.9	24.7	37.1





#39

Methvlcvclohexane

Concen: 51.215 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

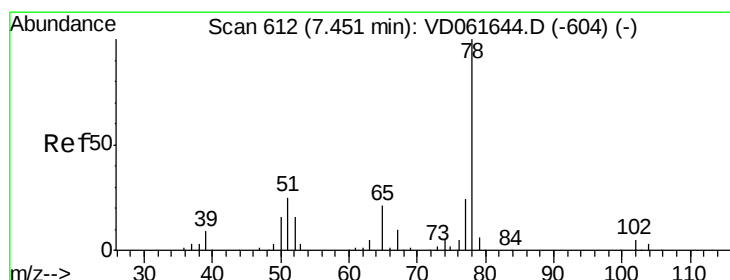
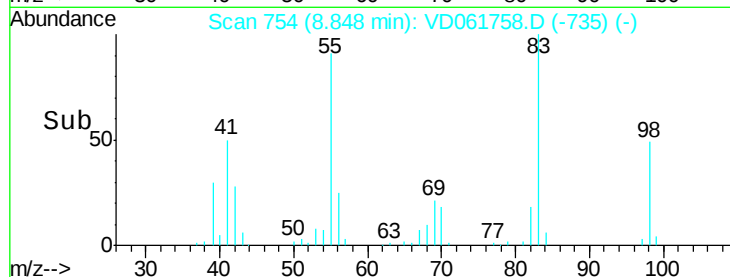
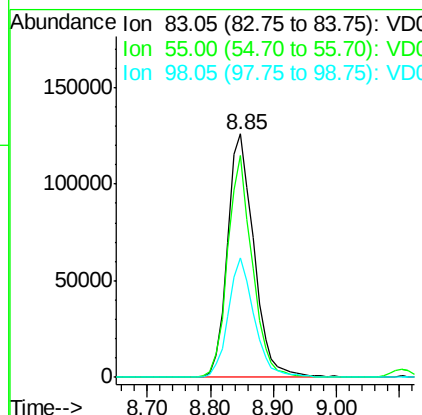
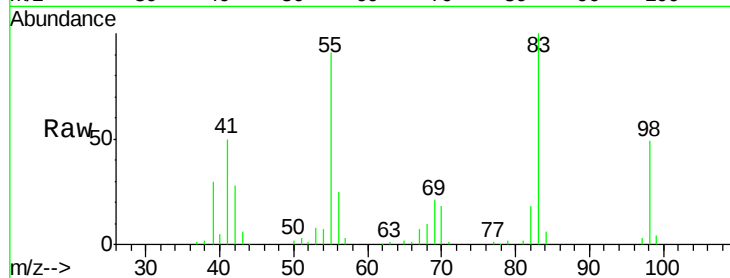
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	364055
Ion Ratio	Lower	Upper	
83	100		
55	91.0	70.3	105.5
98	48.9	41.0	61.6

Manual Integrations
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#40

Benzene

Concen: 57.353 ug/l

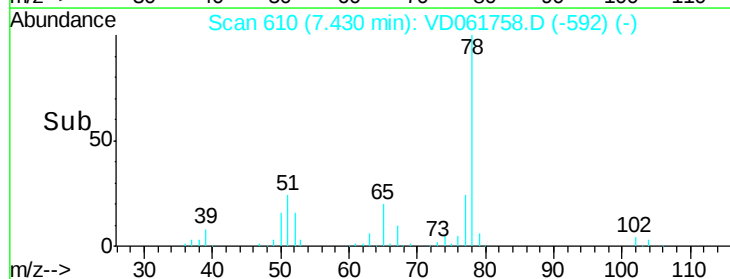
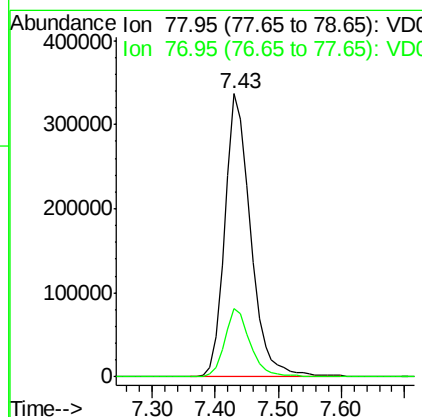
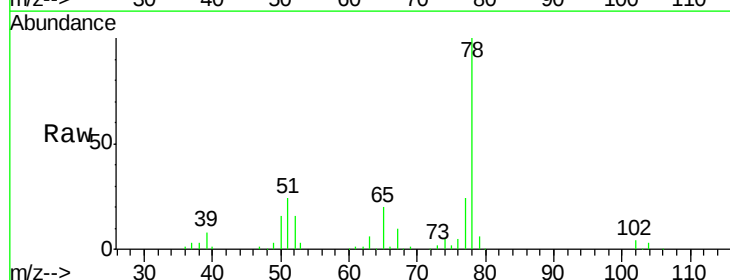
RT: 7.43 min Scan# 610

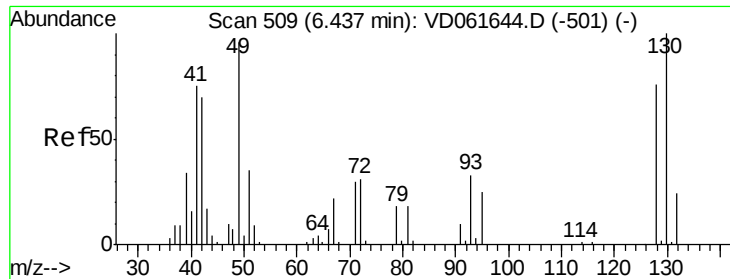
Delta R.T. -0.02 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion:	78	Resp:	957980
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.5	29.3





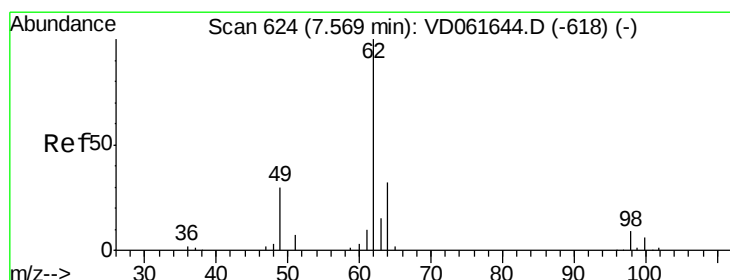
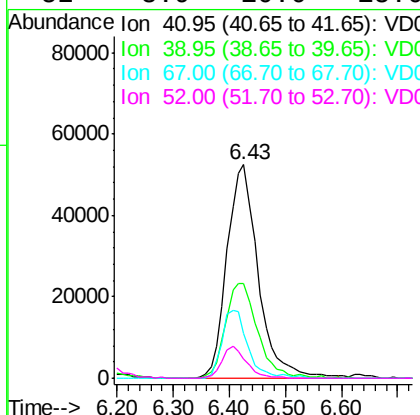
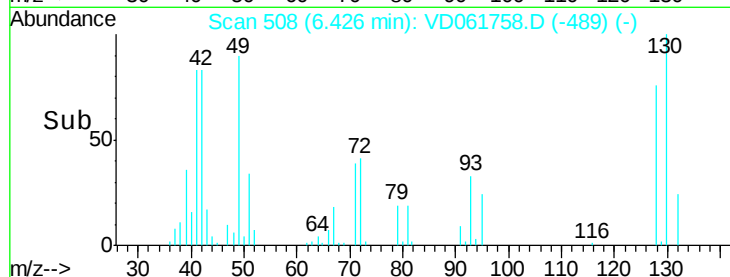
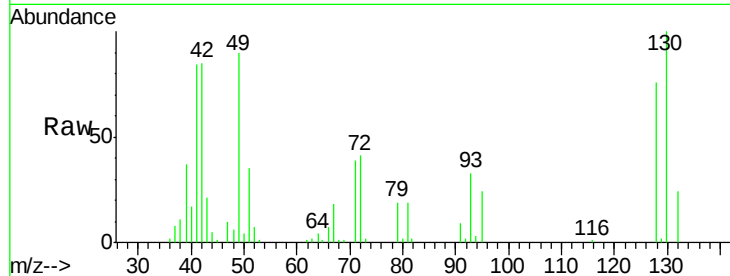
#41
Methacrylonitrile
Concen: 61.716 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	44.6	36.2	54.2	
67	21.2	23.2	34.8	
52	8.9	10.0	15.0	

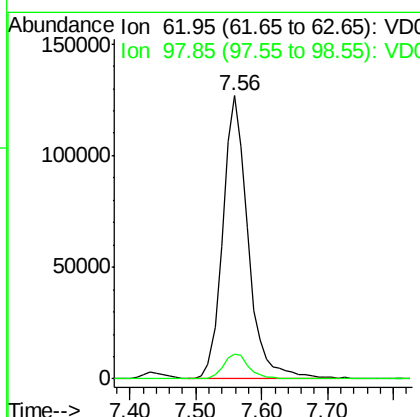
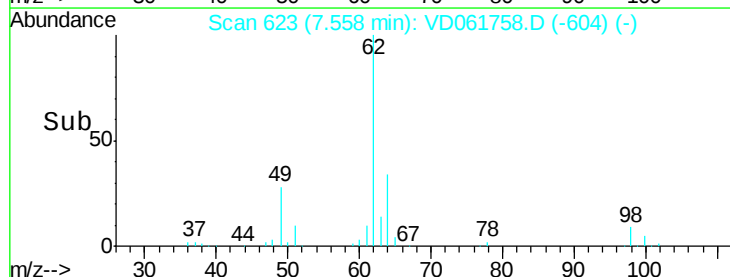
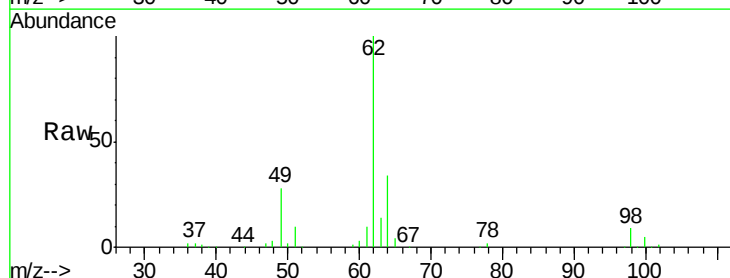
Manual Integrations
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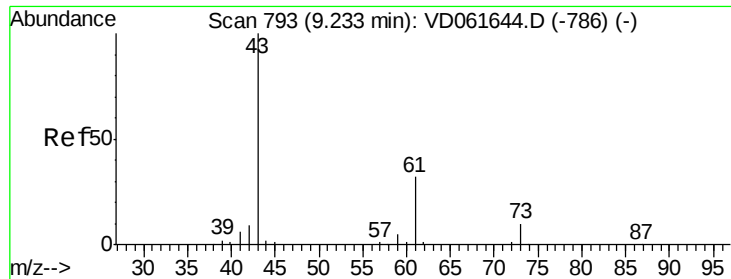
MMDadoda
4/12/2019 11:42:43 AM



#42
1,2-Dichloroethane
Concen: 64.906 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	8.6	0.0	17.8	





#43

Isopropyl Acetate

Concen: 58.769 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

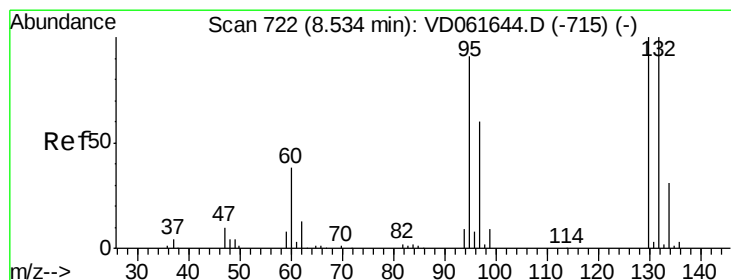
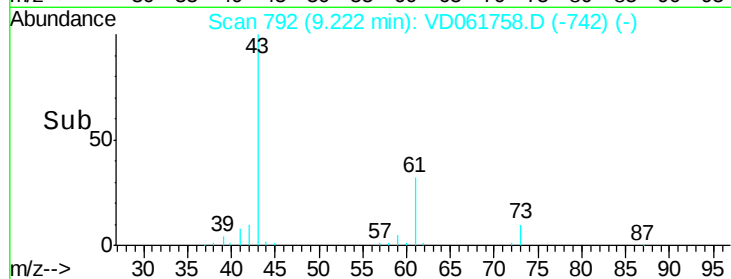
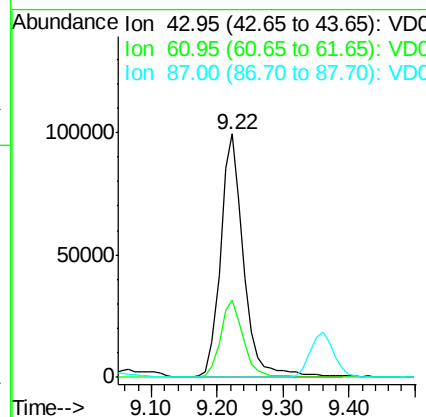
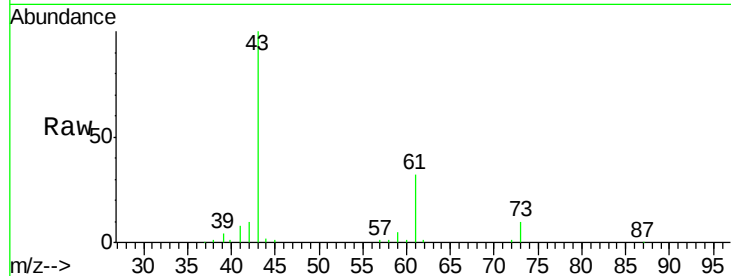
ClientSampleID :

VSTDCCC050

Tot Ion:	43	Resp:	240531
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.9	38.9
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 55.005 ug/l

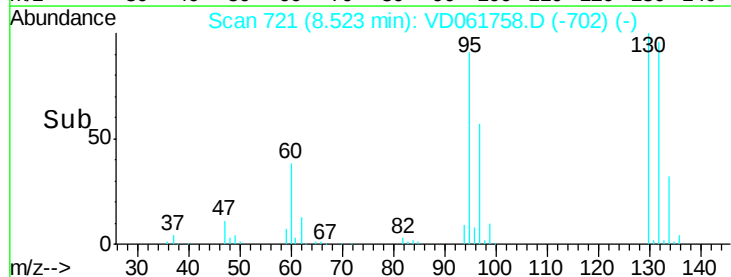
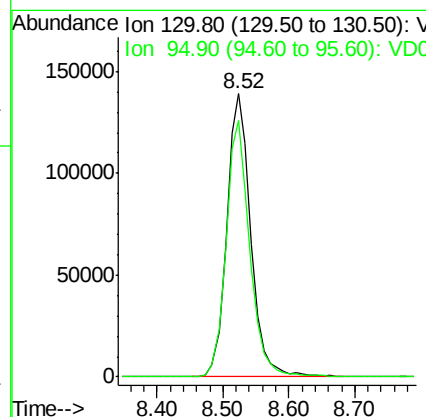
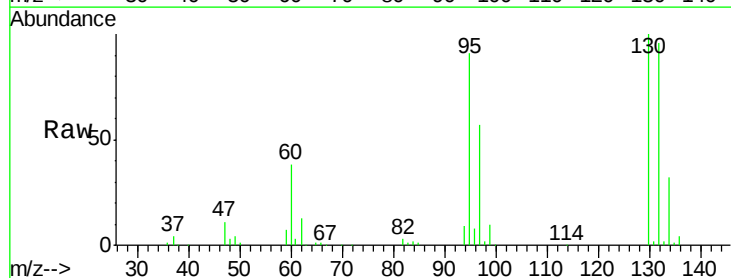
RT: 8.52 min Scan# 721

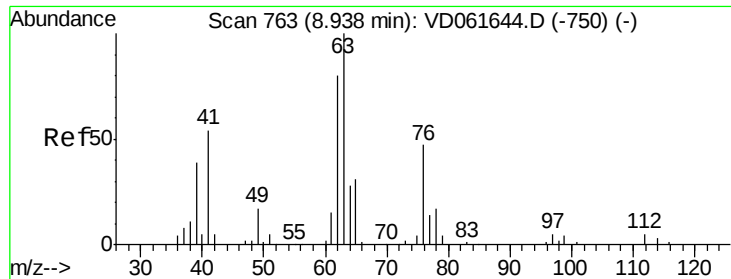
Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion:	130	Resp:	352228
Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	181.8





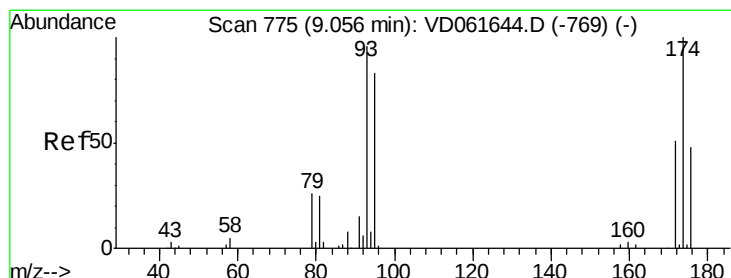
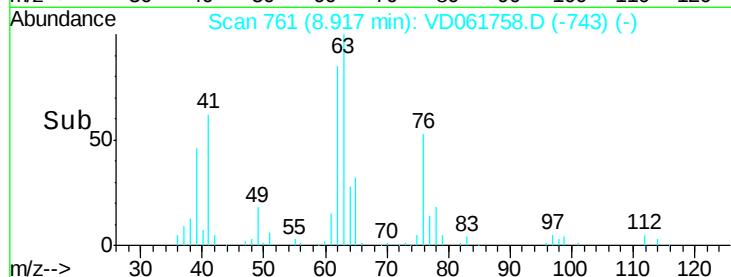
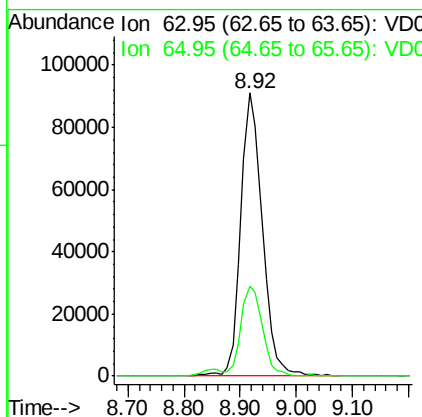
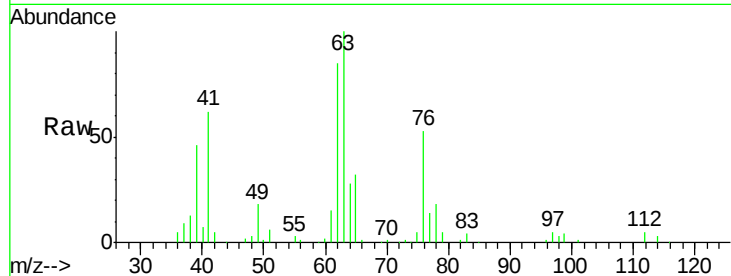
#45
 1,2-Dichloropropane
 Concen: 58.986 ug/l
 RT: 8.92 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 244342
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.5 36.7

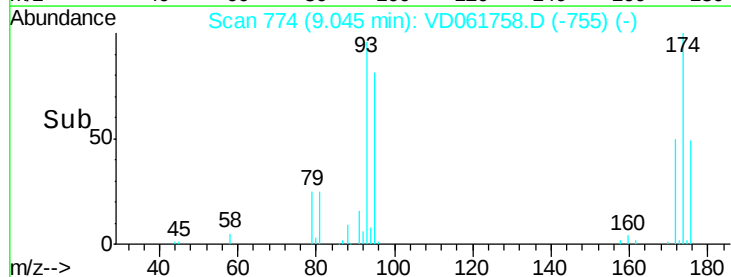
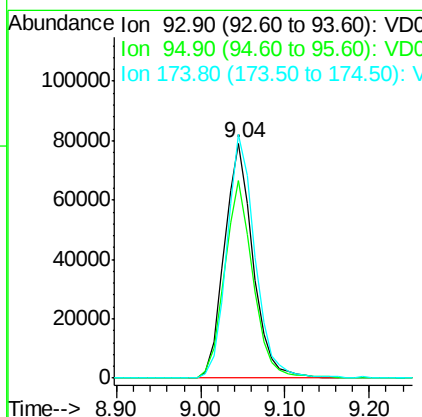
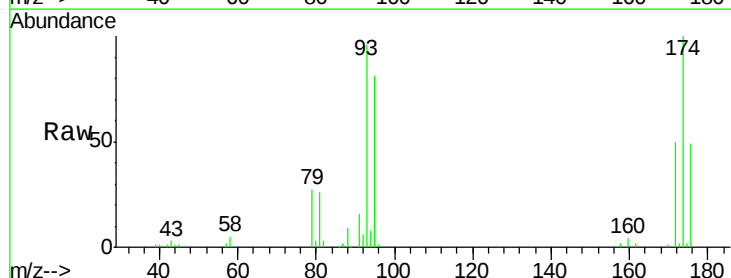
Manual Integrations
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MMDadoda
 4/12/2019 11:42:43 AM



#46
 Dibromomethane
 Concen: 62.944 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion: 93 Resp: 186348
 Ion Ratio Lower Upper
 93 100
 95 84.3 68.6 103.0
 174 103.7 83.0 124.4





#47

Bromodichloromethane

Concen: 64.400 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

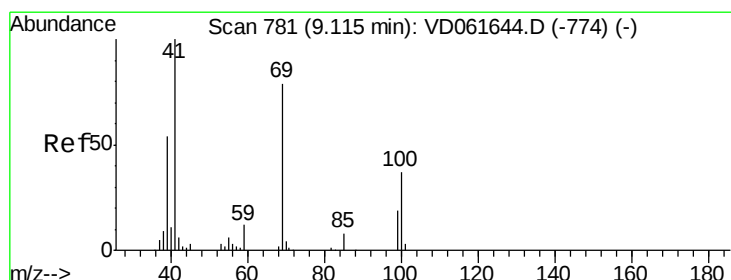
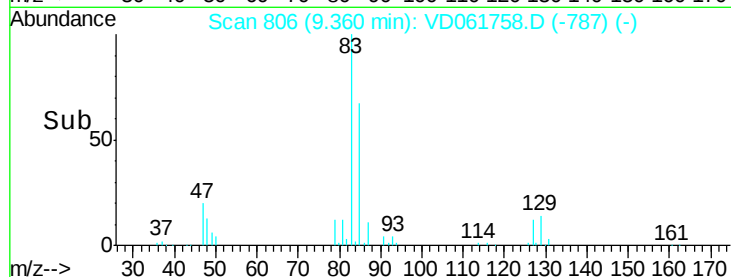
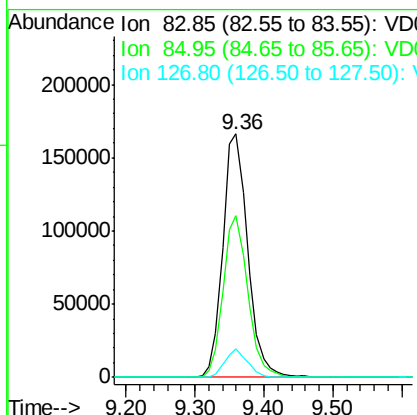
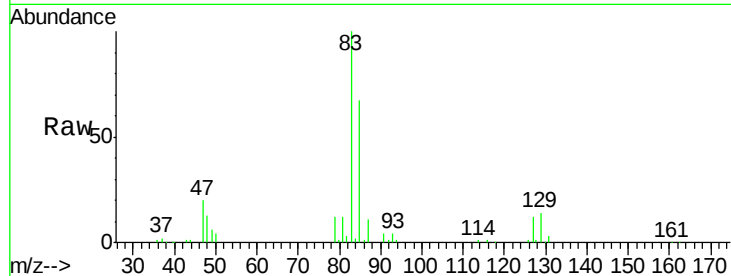
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	418739
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.6
127	11.6	9.0	13.6

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#48

Methyl methacrylate

Concen: 65.852 ug/l

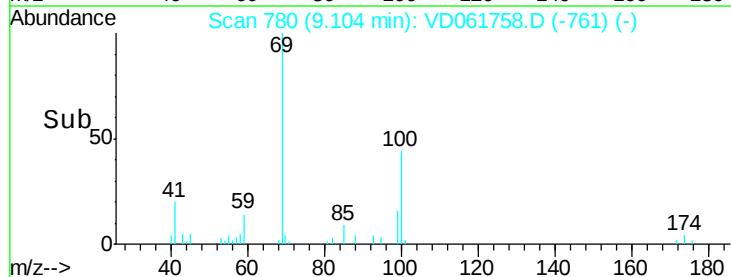
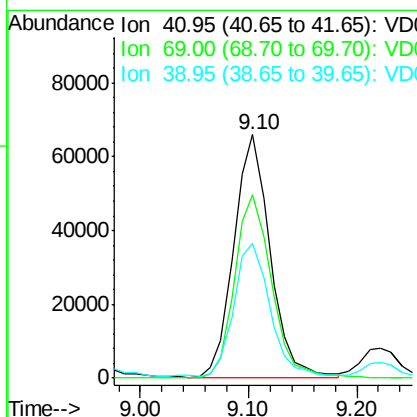
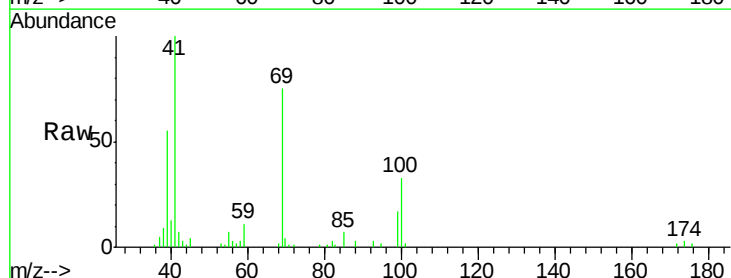
RT: 9.10 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion:	41	Resp:	155361
Ion	Ratio	Lower	Upper
41	100		
69	75.3	63.1	94.7
39	55.2	43.8	65.8





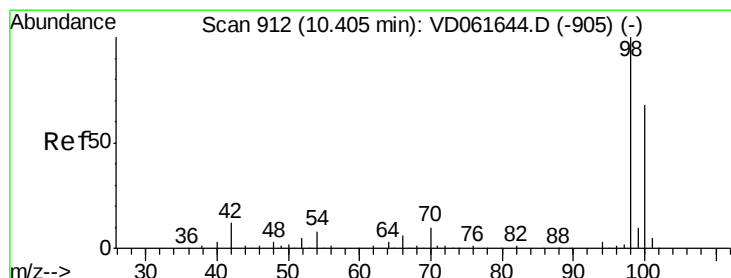
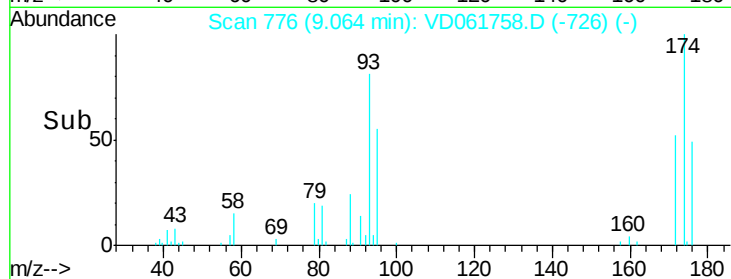
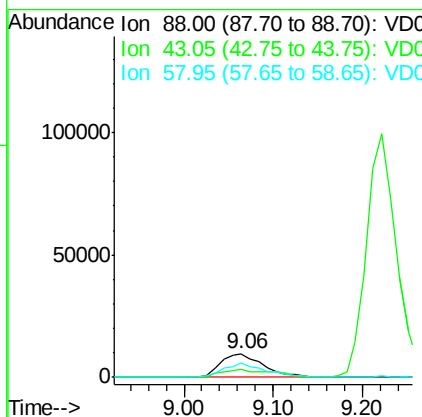
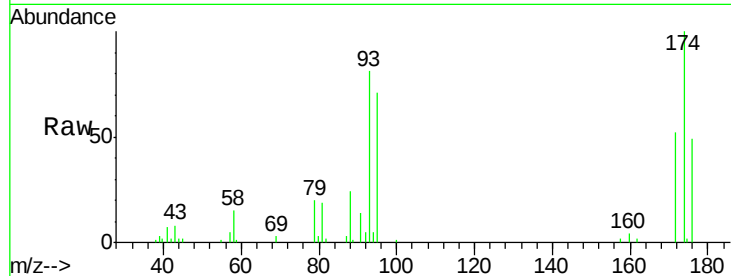
#49
1,4-Dioxane
Concen: 1226.171 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	31931		
43	31.8	21.8	32.8	
58	61.1	40.2	60.2	

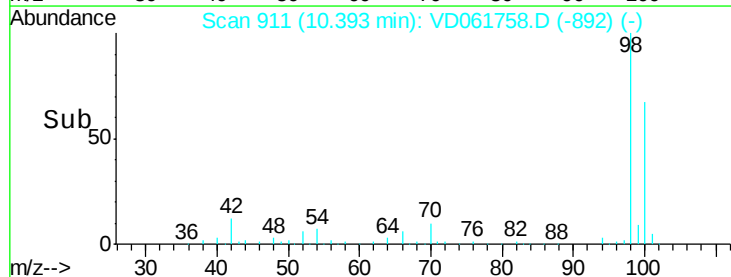
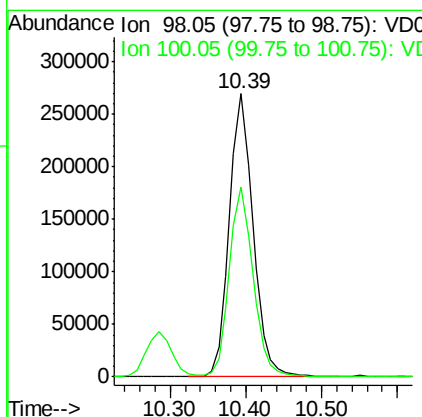
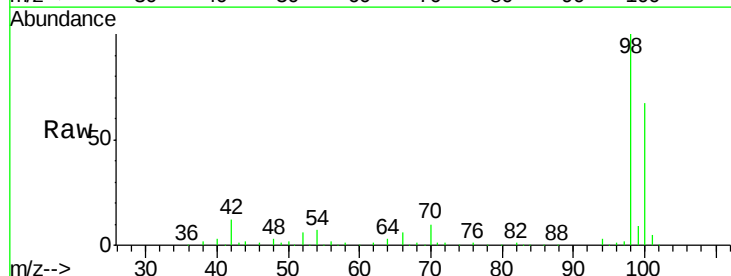
Manual Integrations
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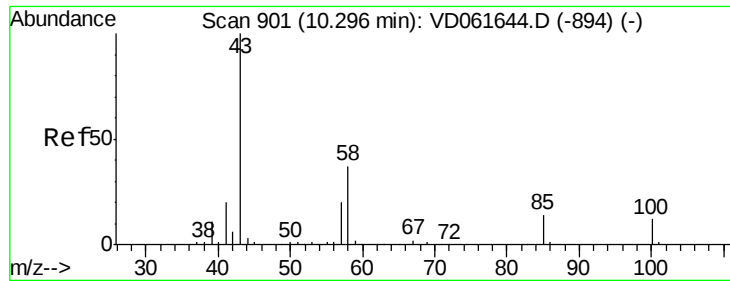
MMDadoda
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#50
Toluene-d8
Concen: 1226.171 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	586667		
100	67.0	55.4	83.0	





#51

4-Methyl-2-Pentanone

Concen: 321.454 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 778076

Ion Ratio Lower Upper

43 100

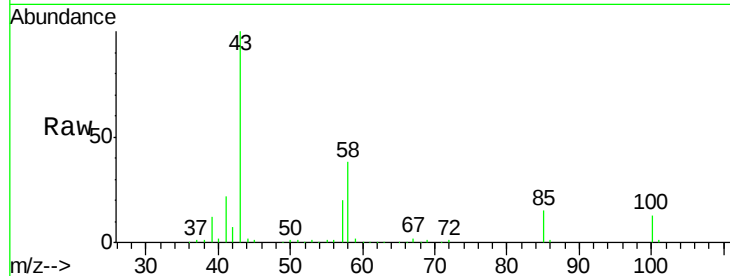
58 38.0 29.8 44.8

Manual Integrations

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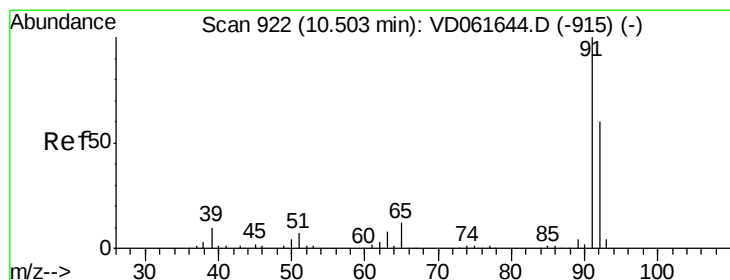
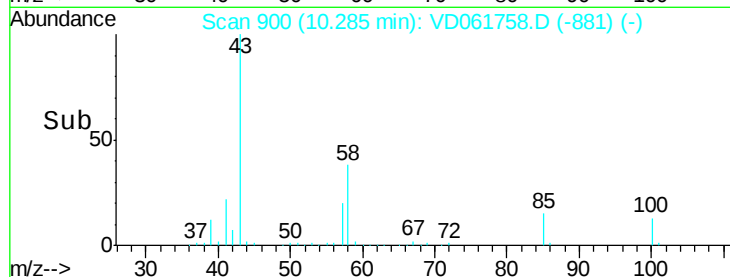
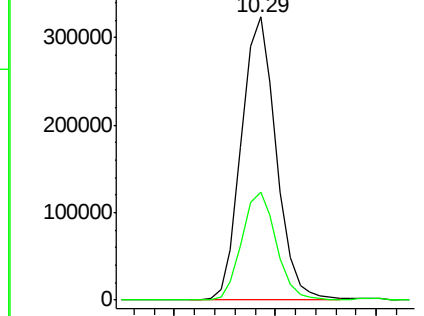
MMDadoda

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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: 58.131 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD061758.D

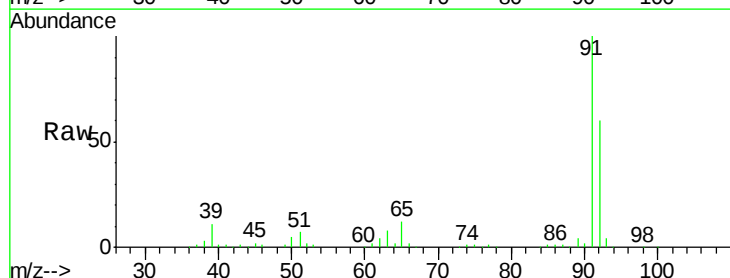
Acq: 12 Apr 2019 1:01

Tgt Ion: 92 Resp: 606329

Ion Ratio Lower Upper

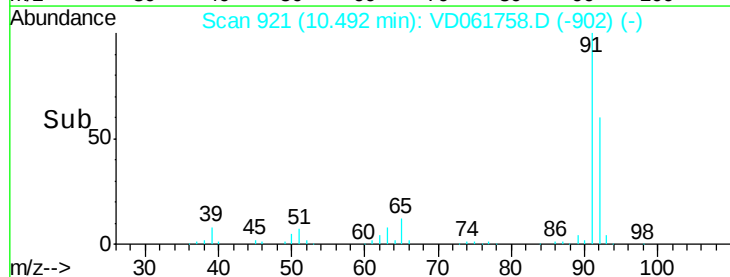
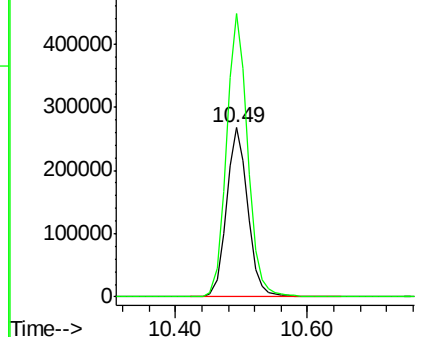
92 100

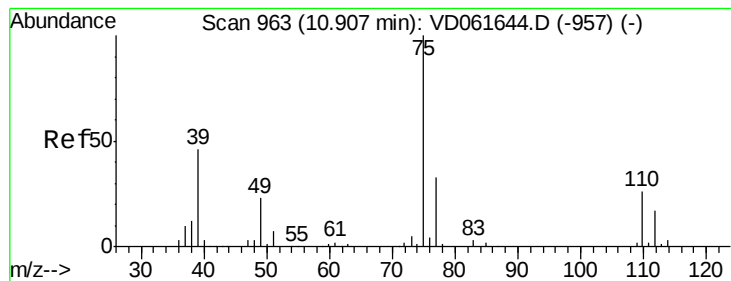
91 167.2 133.0 199.4



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: 64.410 ug/l

RT: 10.90 min Scan# 962

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tot Ion: 75 Resp: 367111

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

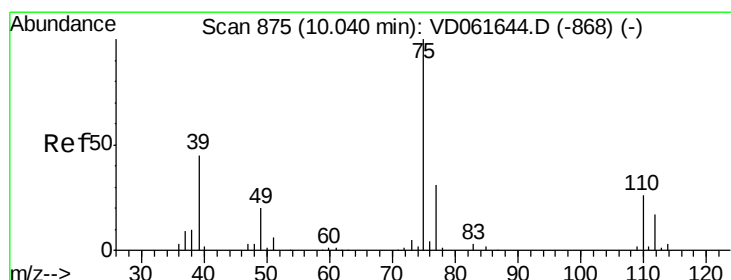
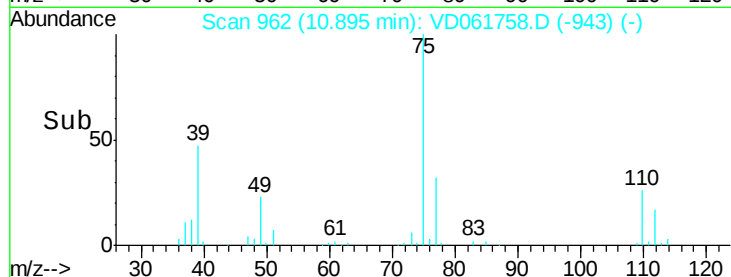
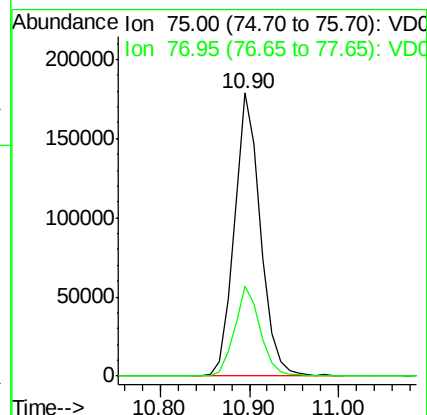
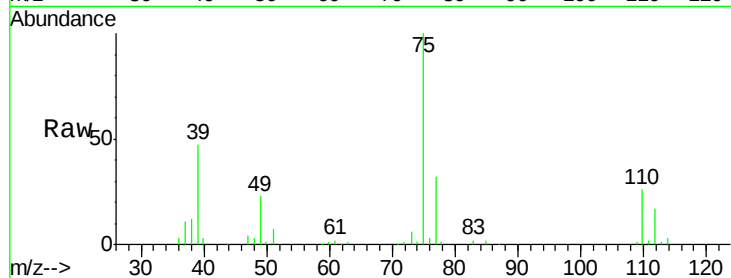
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 62.390 ug/l

RT: 10.02 min Scan# 873

Delta R.T. -0.02 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

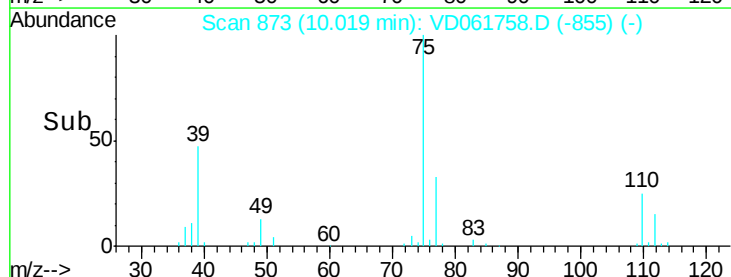
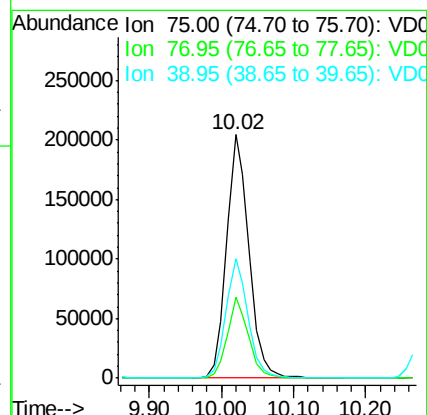
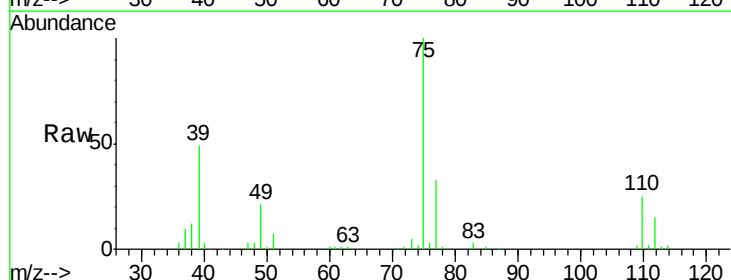
Tgt Ion: 75 Resp: 438357

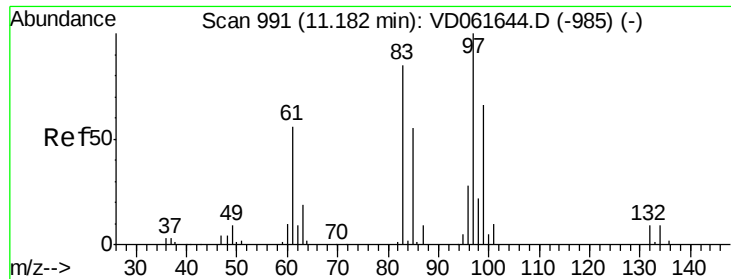
Ion Ratio Lower Upper

75 100

77 33.0 24.6 37.0

39 49.0 36.2 54.2





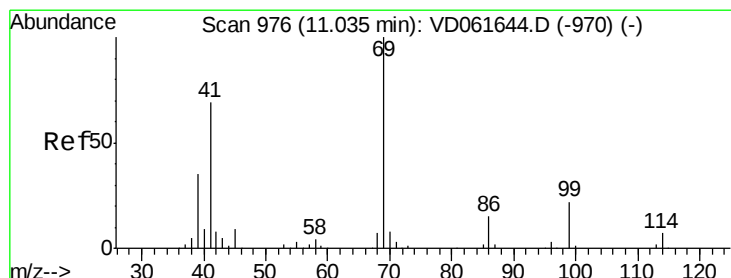
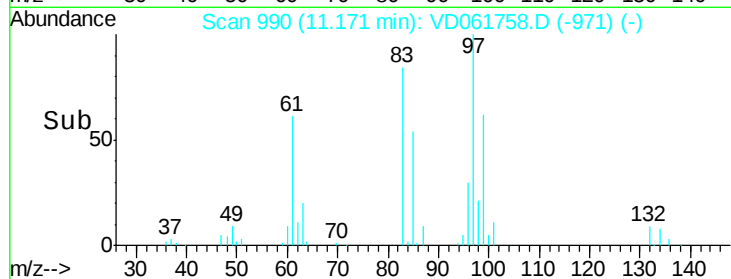
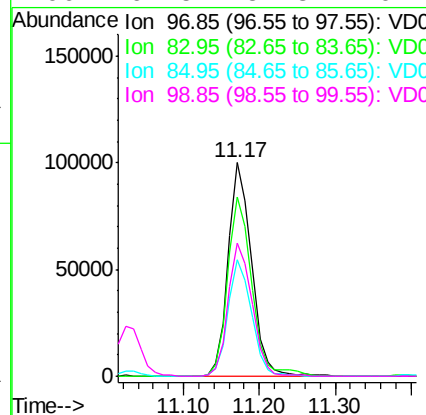
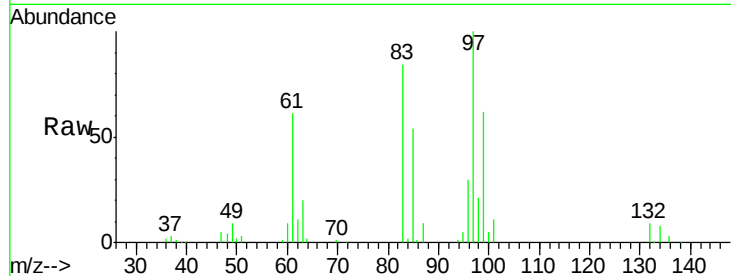
#55
 1,1,2-Trichloroethane
 Concen: 60.968 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	214473
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.8	101.6
85	54.4	43.8	65.8
99	62.5	52.8	79.2

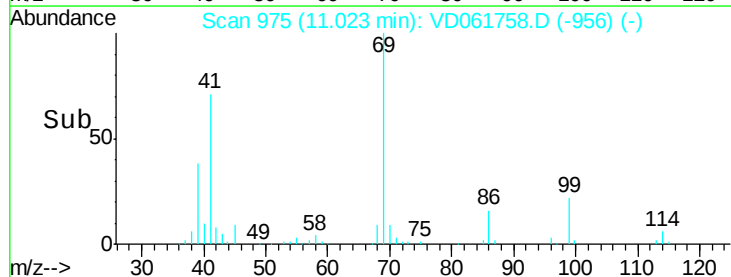
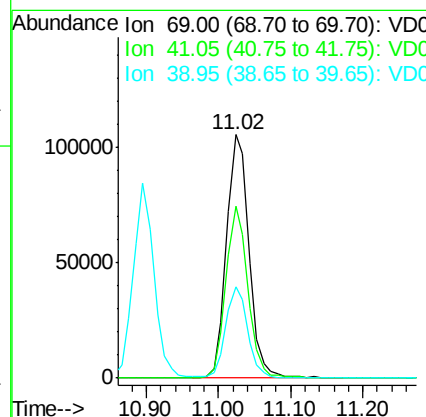
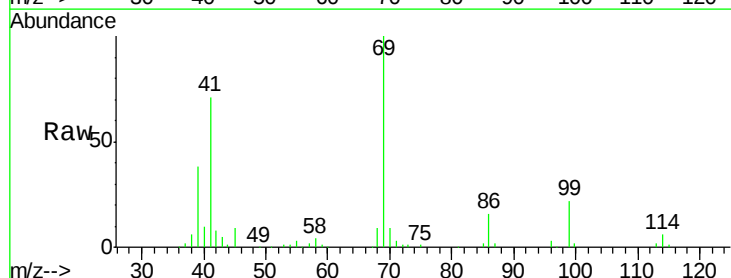
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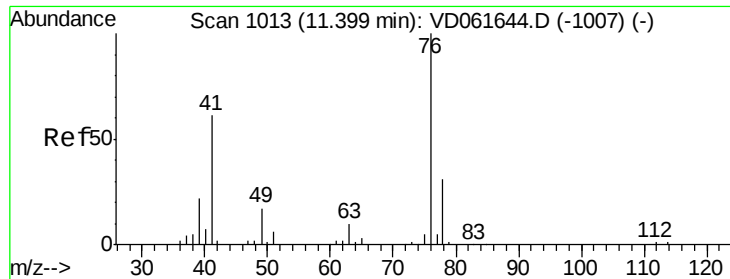
MMDadoda
 4/12/2019 11:42:43 AM



#56
 Ethyl methacrylate
 Concen: 61.043 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion:	69	Resp:	226534
Ion	Ratio	Lower	Upper
69	100		
41	70.9	55.2	82.8
39	37.7	28.6	43.0





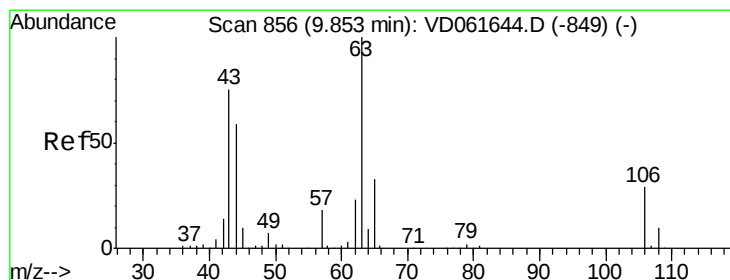
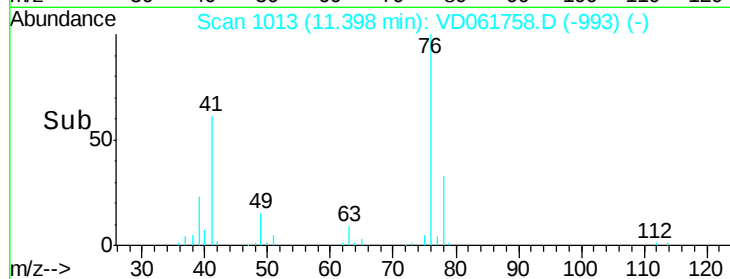
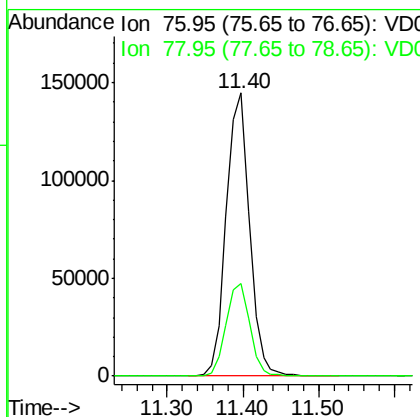
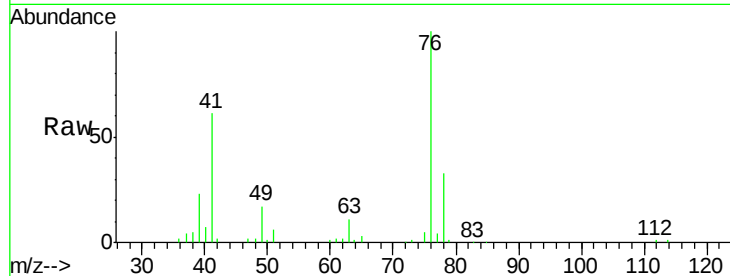
#57
 1,3-Dichloropropane
 Concen: 59.831 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 308230
 Ion Ratio Lower Upper
 76 100
 78 32.5 24.5 36.7

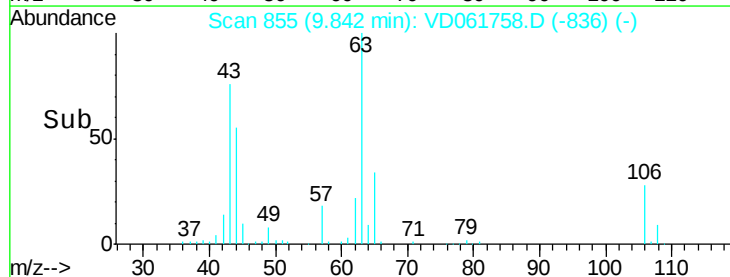
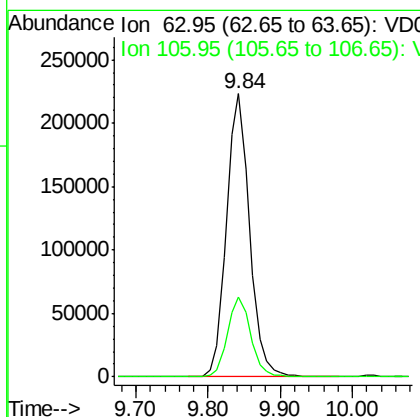
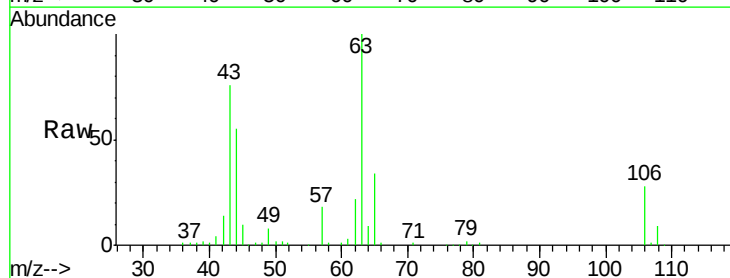
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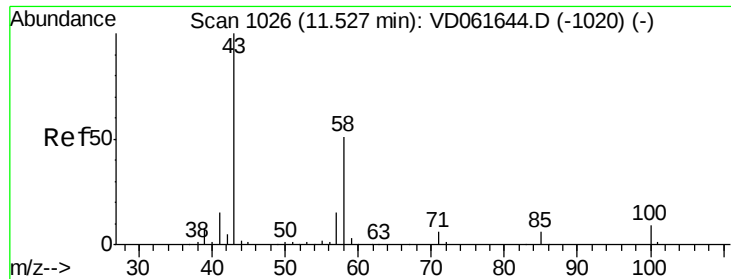
MMDadoda
 4/12/2019 11:42:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.162 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion: 63 Resp: 495831
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.0 34.6





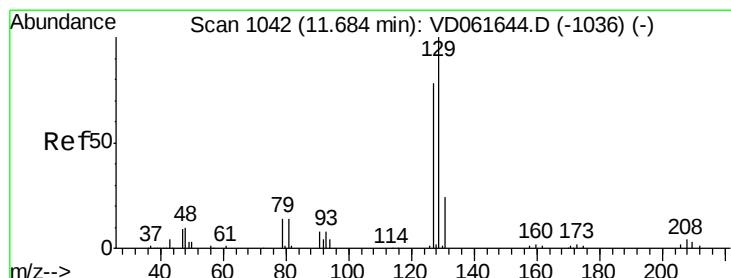
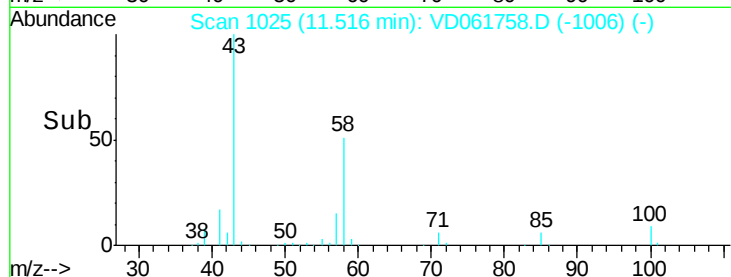
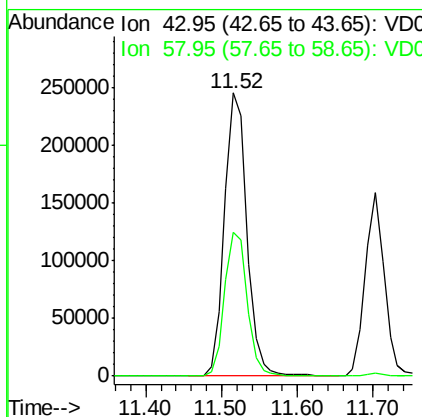
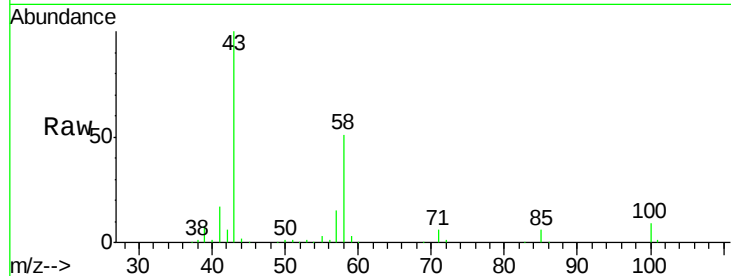
#59
2-Hexanone
Concen: 268.907 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 505139
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.8

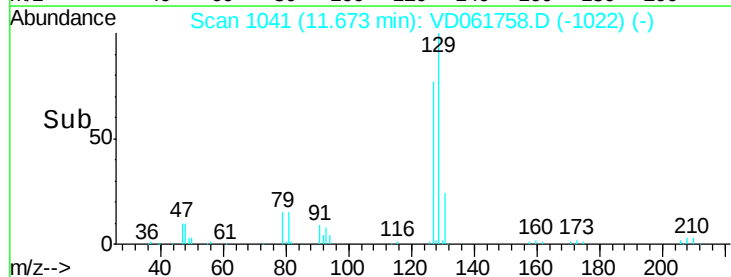
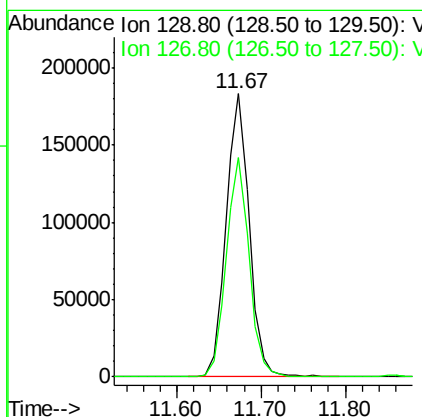
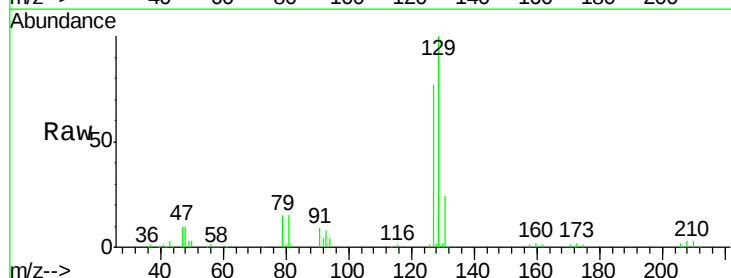
Manual Integrations
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4/12/2019 11:42:43 AM



#60
Dibromochloromethane
Concen: 62.599 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion: 129 Resp: 347916
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.4





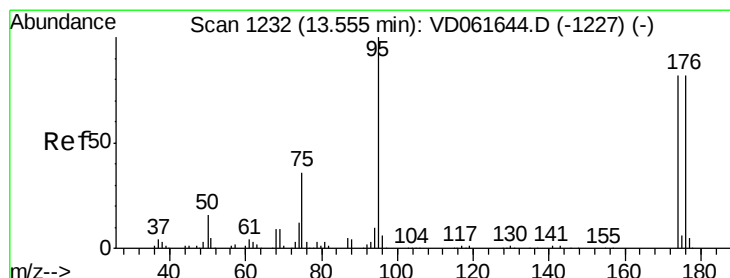
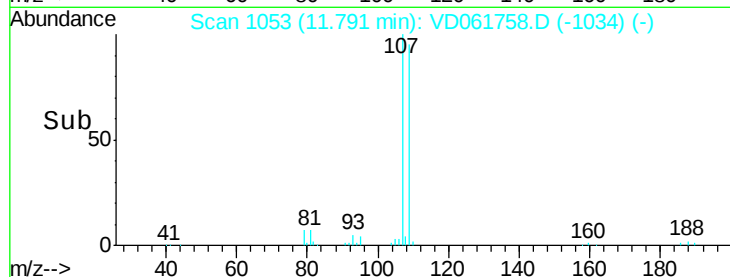
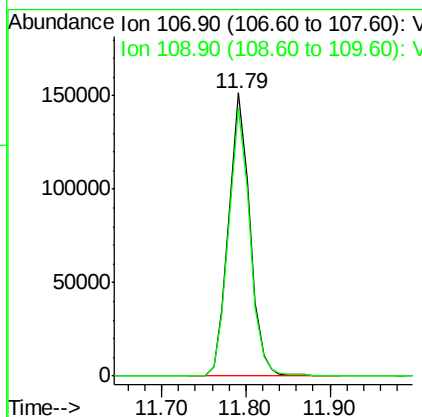
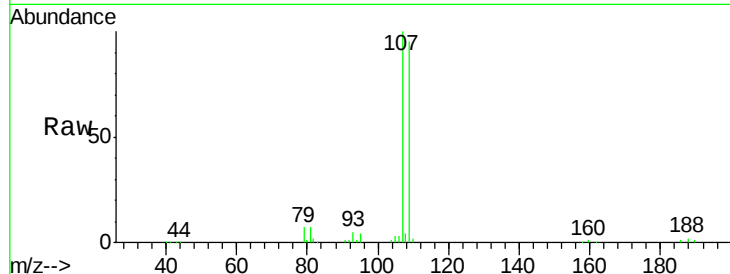
#61
 1,2-Dibromoethane
 Concen: 65.255 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	79.2	118.8

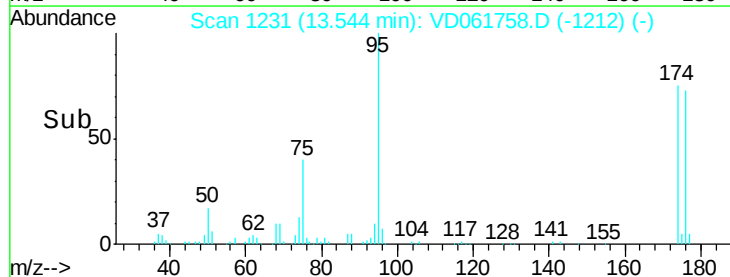
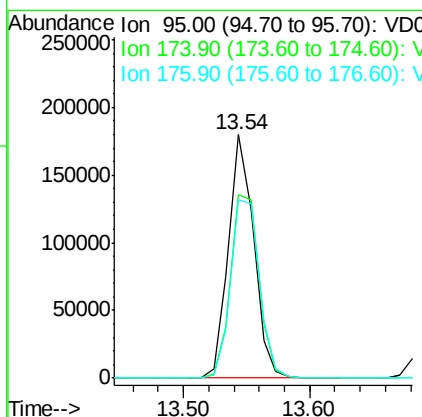
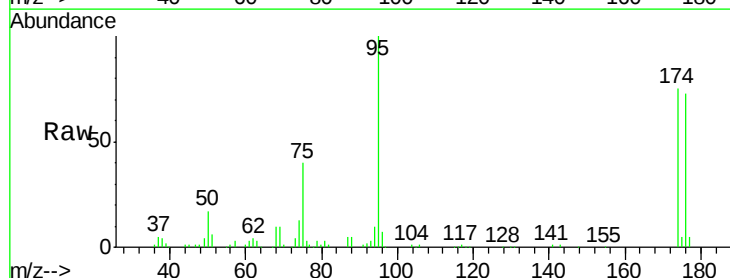
Manual Integrations
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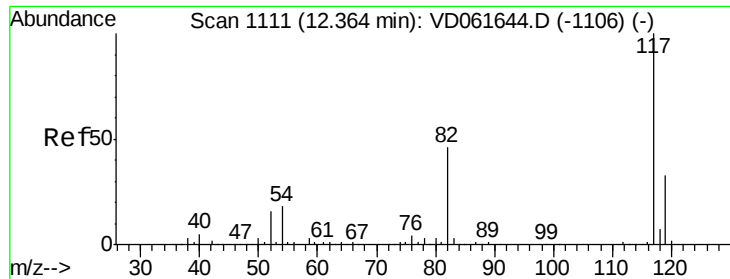
MMDadoda
 4/12/2019 11:42:43 AM



#62
 4-Bromofluorobenzene
 Concen: 65.255 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	164.6
176	73.2	0.0	165.0





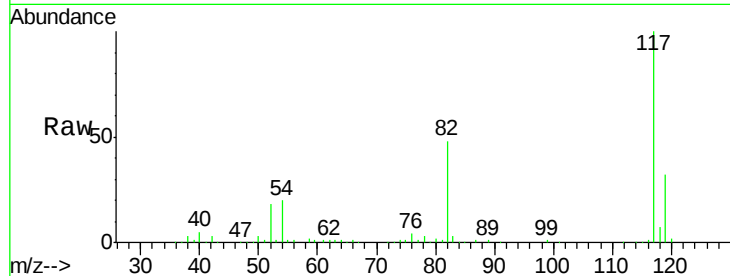
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.8	36.8	55.2
119	31.6	26.1	39.1

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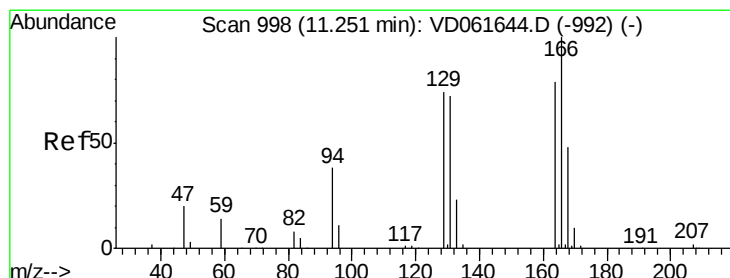
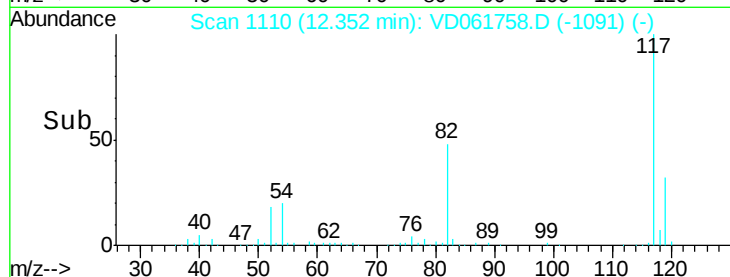
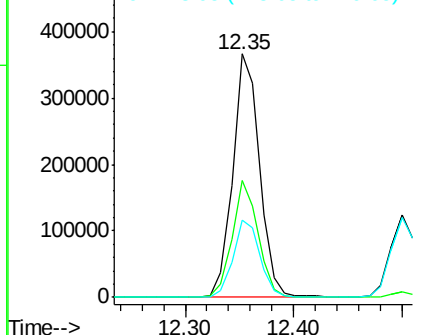


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 55.903 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.8	152.8
129	96.7	75.4	113.0
131	93.0	73.6	110.4

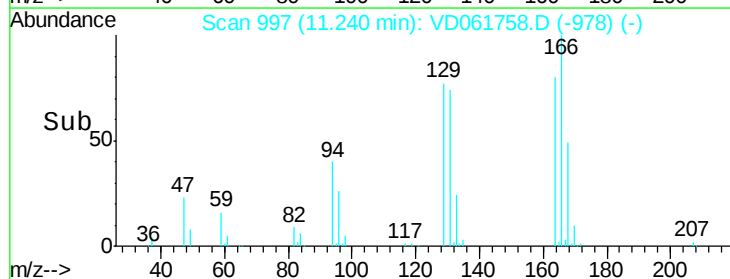
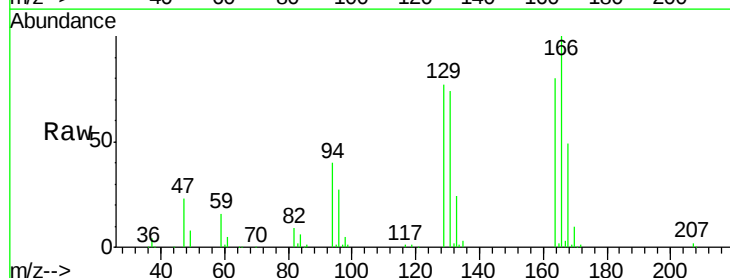
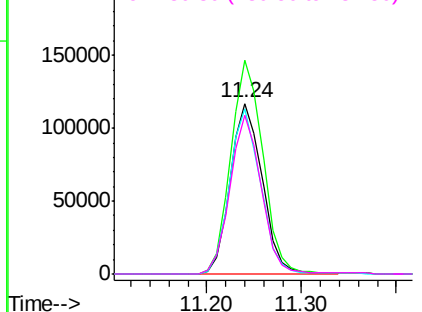
Abundance

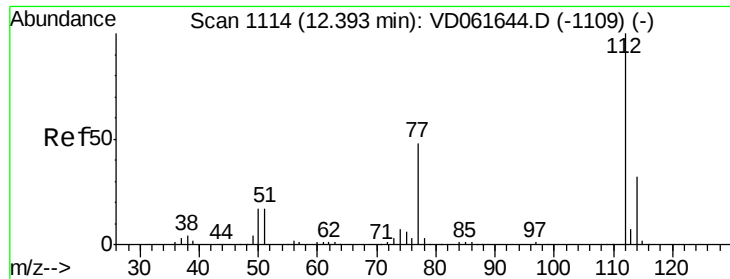
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





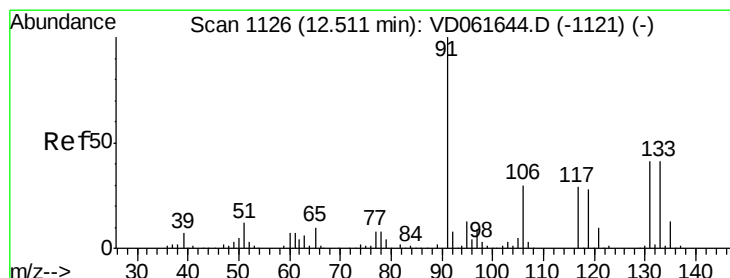
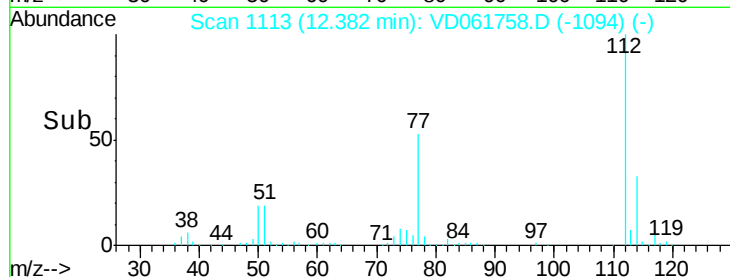
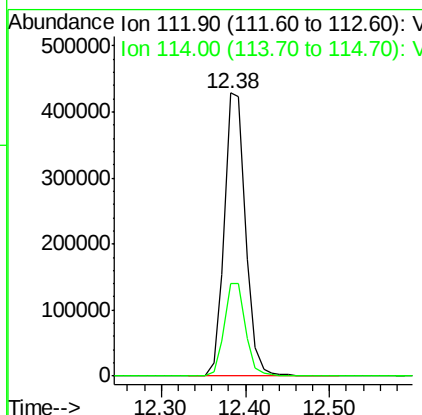
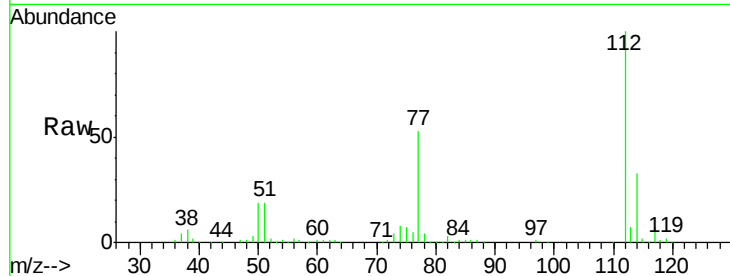
#65
Chlorobenzene
Concen: 60.197 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	751231		
114	32.9	25.6	38.4	

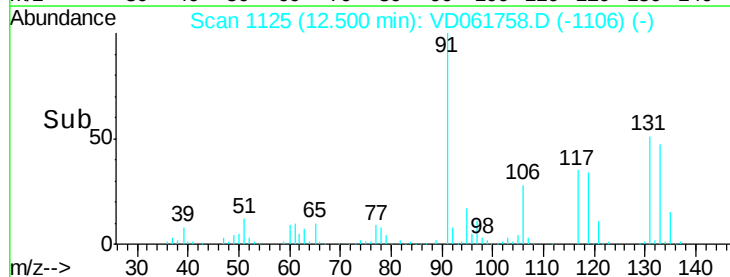
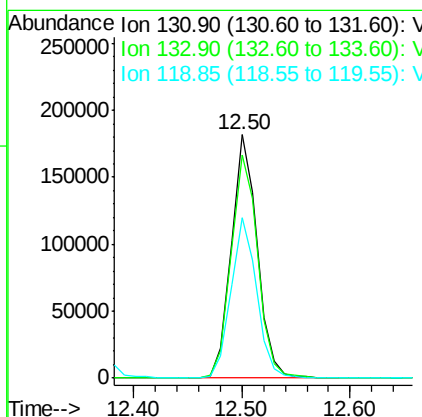
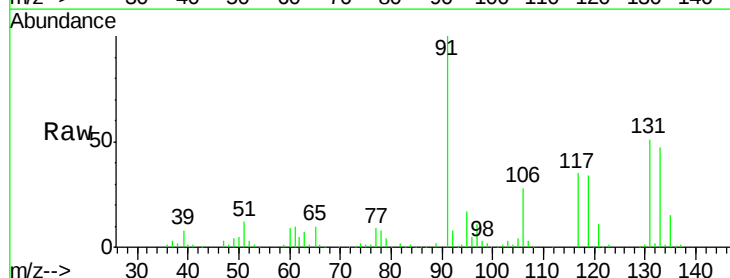
Manual Integrations
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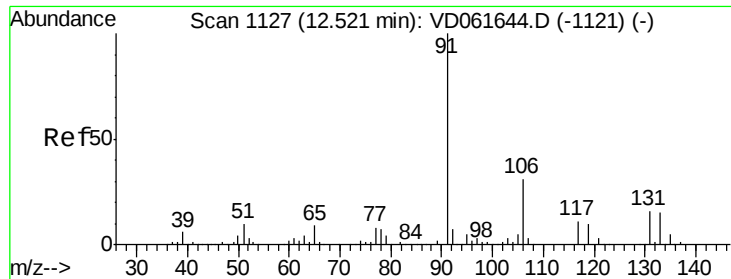
MMDadoda
4/12/2019 11:42:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 63.133 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	303176		
133	91.7	49.5	148.3	
119	66.1	34.7	104.1	





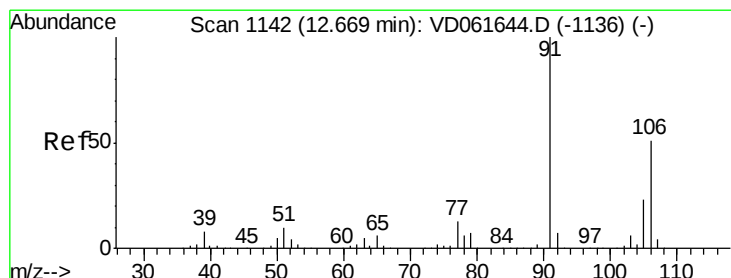
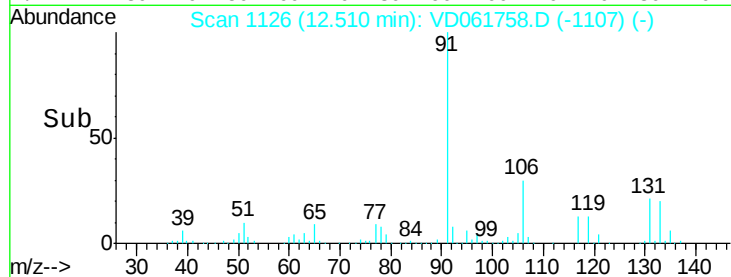
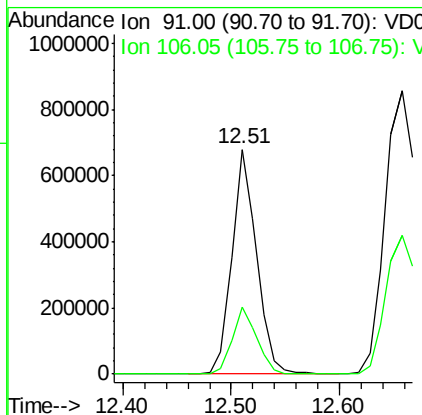
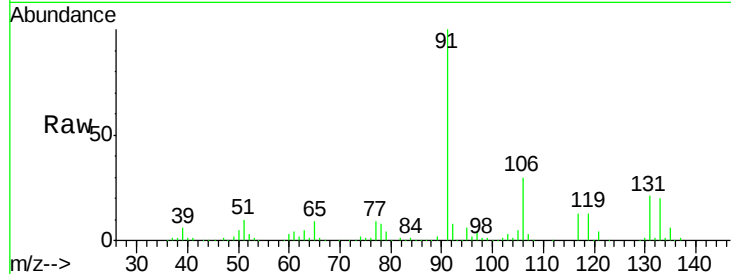
#67
Ethyl Benzene
Concen: 56.584 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1075304
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0

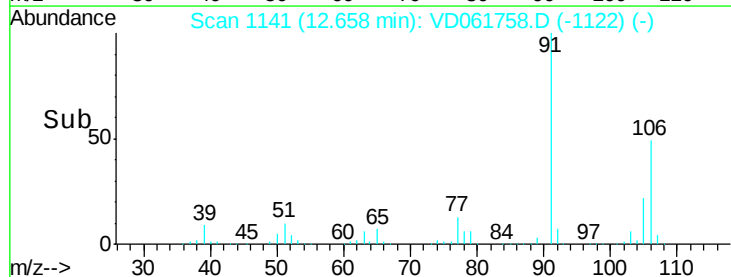
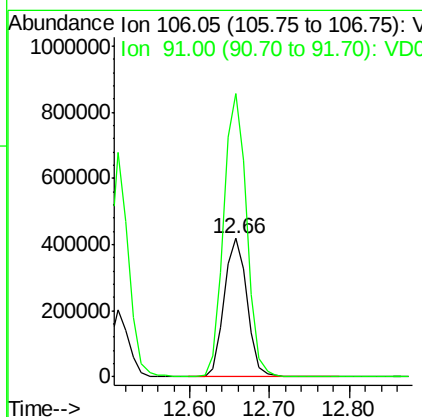
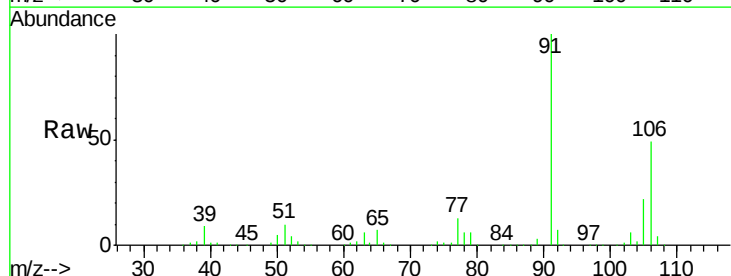
Manual Integrations
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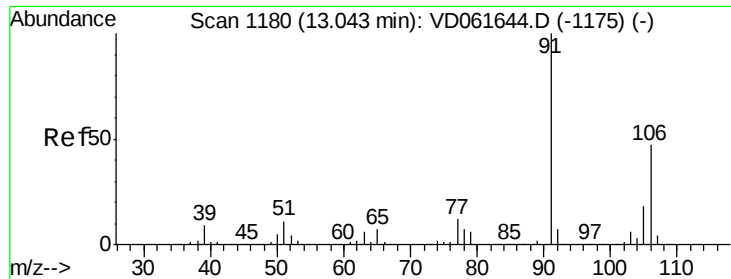
MMDadoda
4/12/2019 11:42:43 AM



#68
m/p-Xylenes
Concen: 116.228 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion: 106 Resp: 851526
Ion Ratio Lower Upper
106 100
91 204.5 156.7 235.1





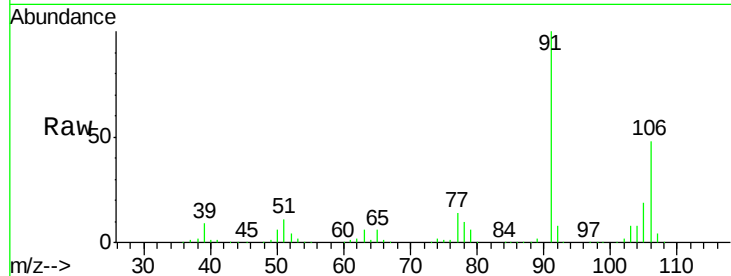
#69
o-Xylene
Concen: 59.905 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

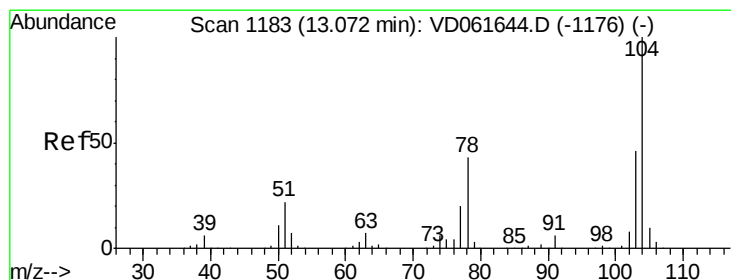
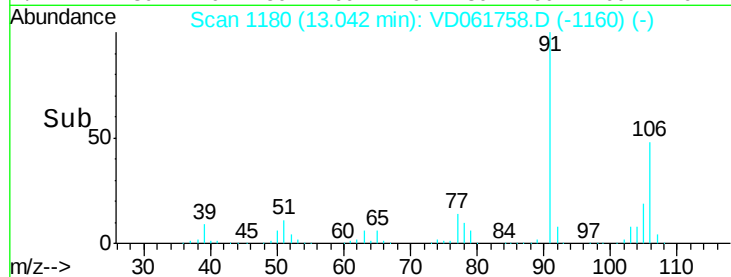
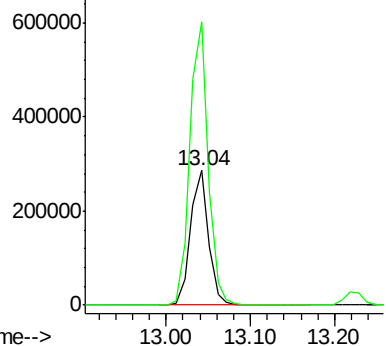
Tot Ion:106 Resp: 423659
Ion Ratio Lower Upper
106 100
91 209.9 107.3 321.9

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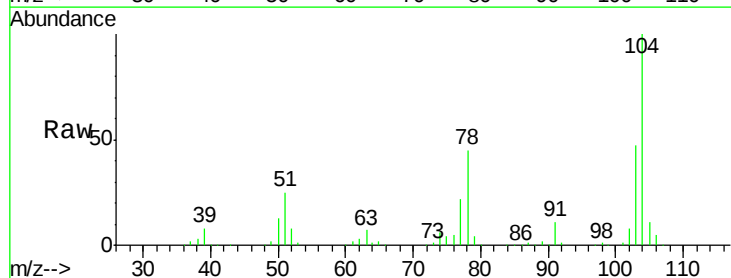


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

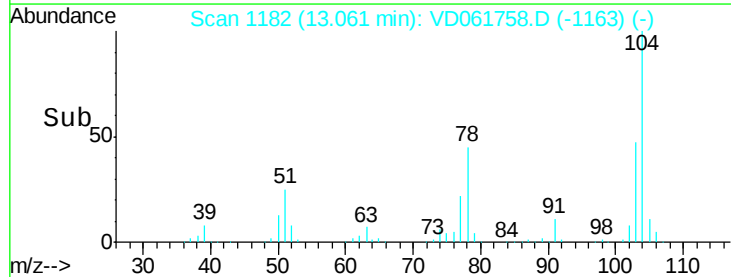
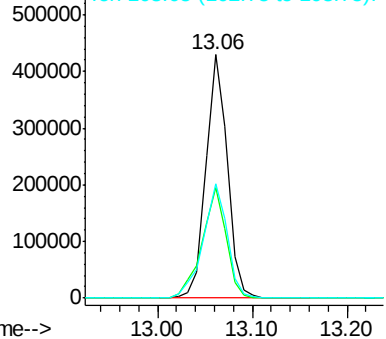


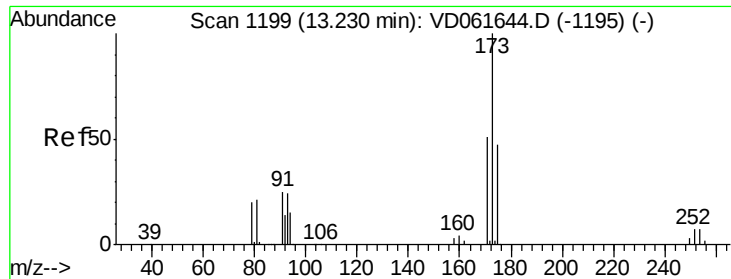
#70
Styrene
Concen: 55.757 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion:104 Resp: 673425
Ion Ratio Lower Upper
104 100
78 45.5 34.2 51.4
103 46.9 37.2 55.8



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





#71

Bromoform

Concen: 64.461 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 192065

Ion Ratio Lower Upper

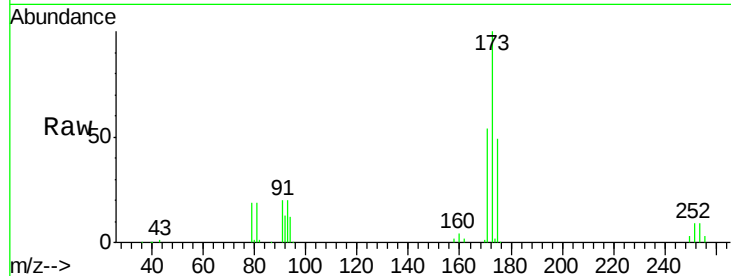
173 100

175 48.7 23.7 71.1

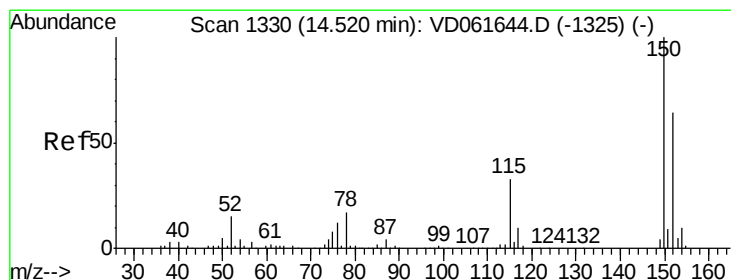
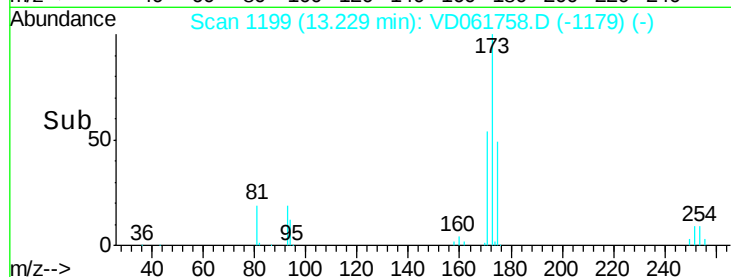
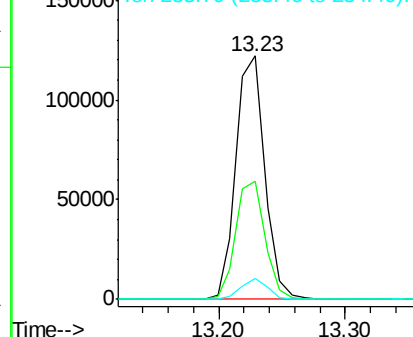
254 8.7 5.8 8.6#

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

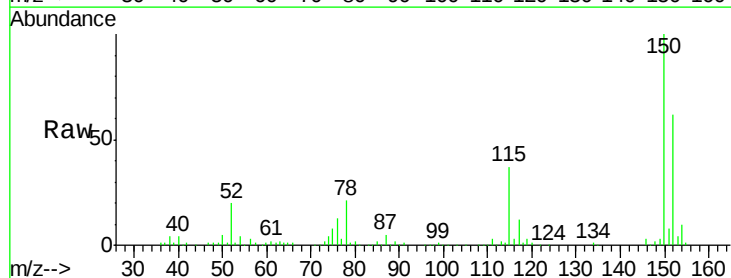
Tgt Ion:152 Resp: 308459

Ion Ratio Lower Upper

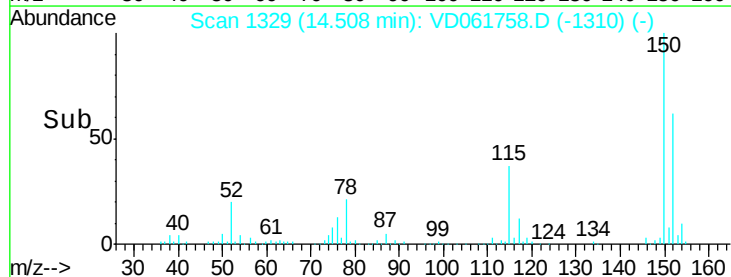
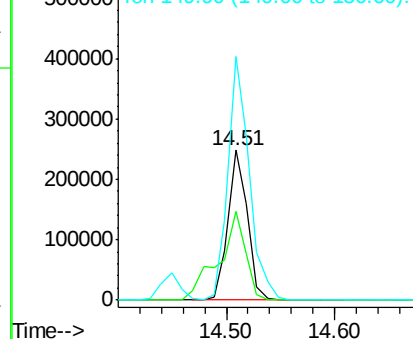
152 100

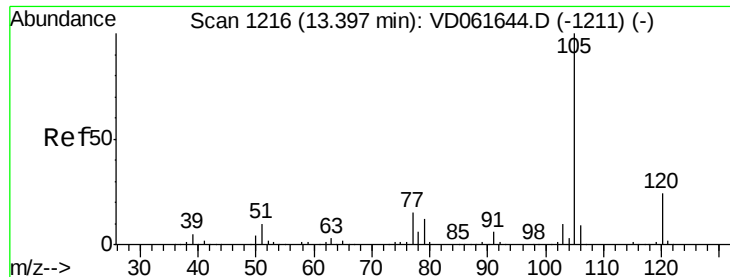
115 59.6 26.4 79.2

150 162.4 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.623 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1163767

Ion Ratio Lower Upper

105 100

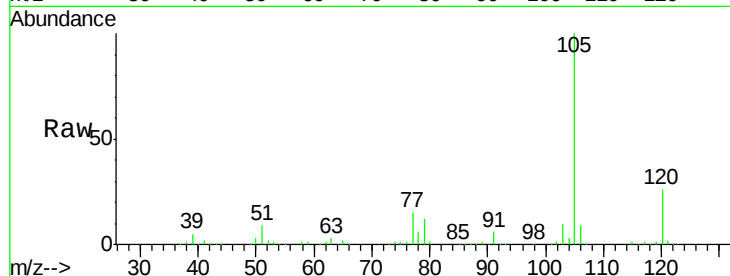
120 25.9 12.2 36.4

Manual Integrations

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MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

800000

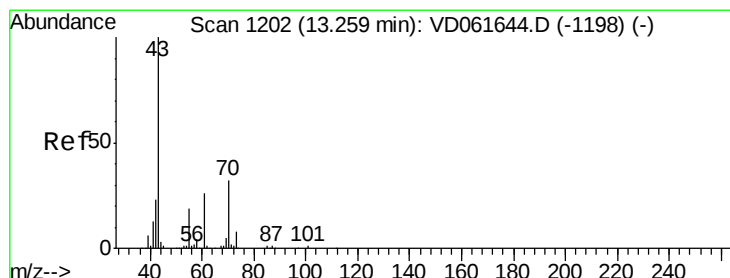
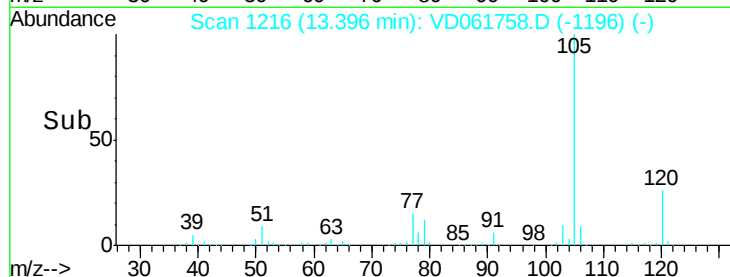
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 57.877 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion: 43 Resp: 323204

Ion Ratio Lower Upper

43 100

70 32.7 25.4 38.2

55 19.7 15.0 22.4

61 27.7 20.9 31.3

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

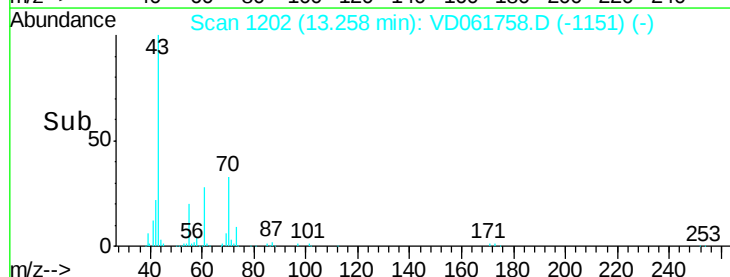
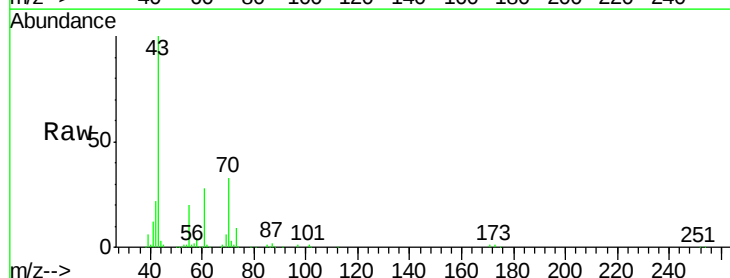
300000

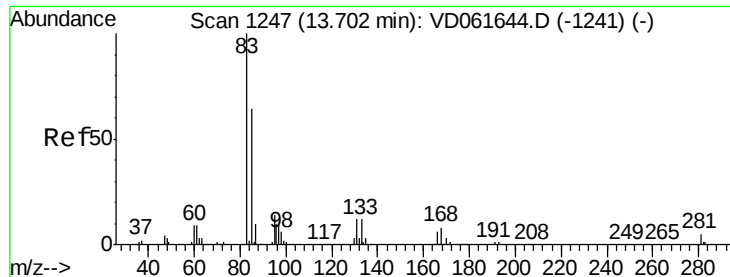
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.659 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 240783
Ion Ratio Lower Upper

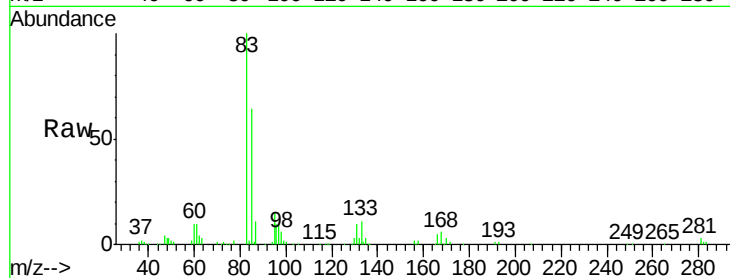
83 100

131 10.3 5.9 17.6

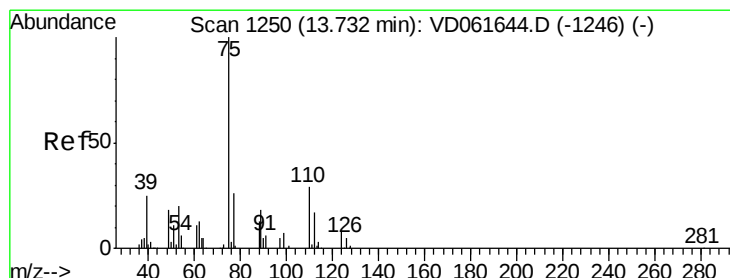
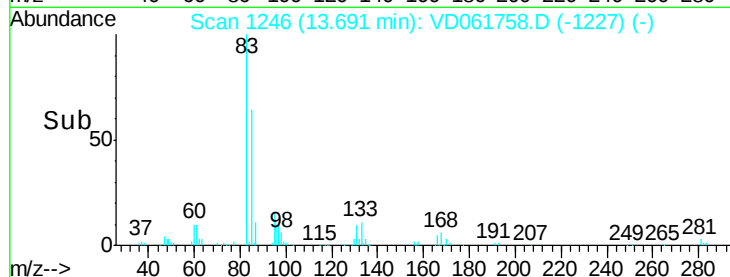
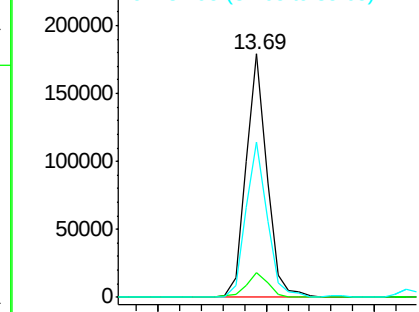
85 63.6 32.0 96.2

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 56.667 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

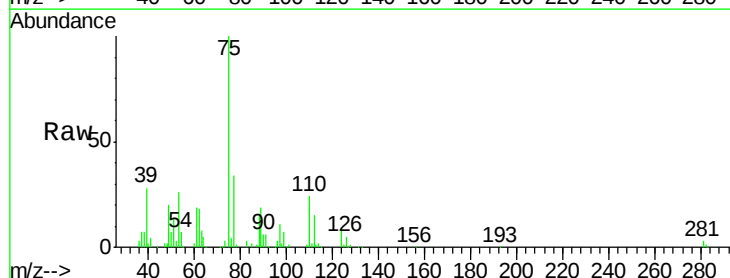
Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

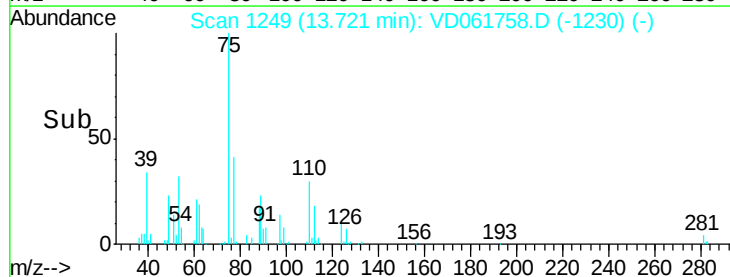
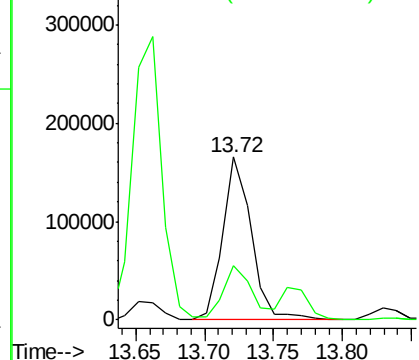
Tgt Ion: 75 Resp: 237809
Ion Ratio Lower Upper

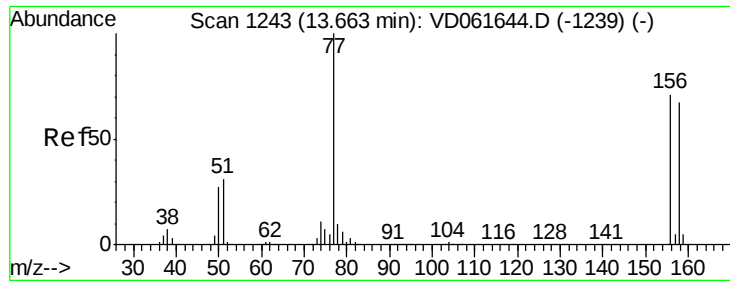
75 100

77 33.6 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.335 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 342049

Ion Ratio Lower Upper

156 100

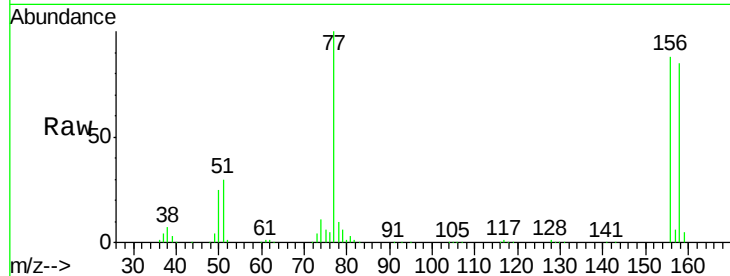
77 114.2 70.3 210.8

158 96.6 47.4 142.2

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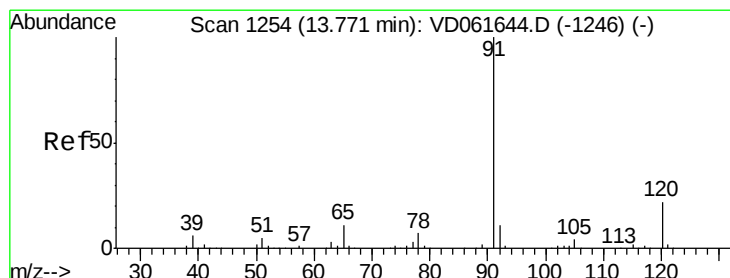
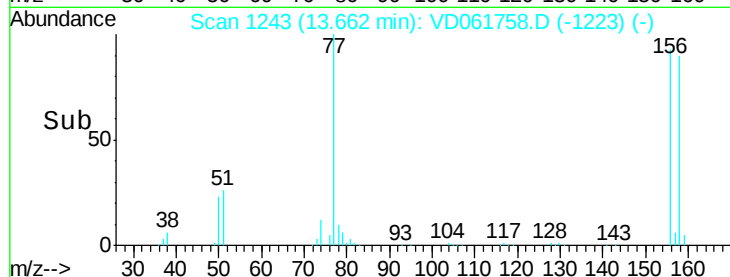
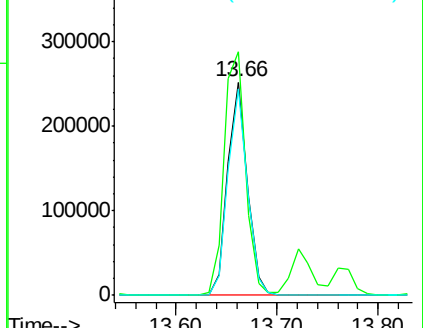
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.087 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061758.D

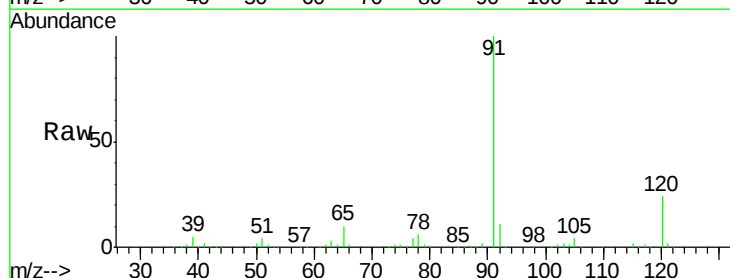
Acq: 12 Apr 2019 1:01

Tgt Ion: 91 Resp: 1280594

Ion Ratio Lower Upper

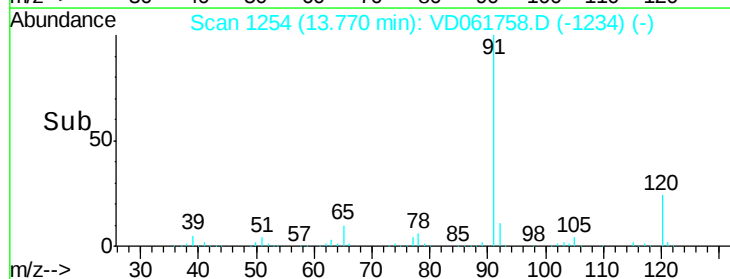
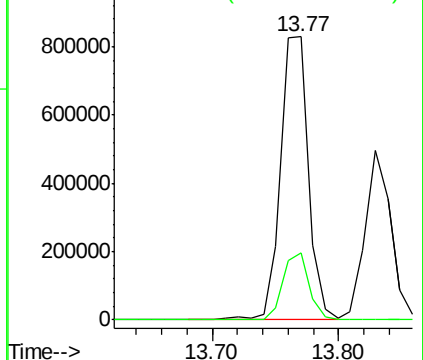
91 100

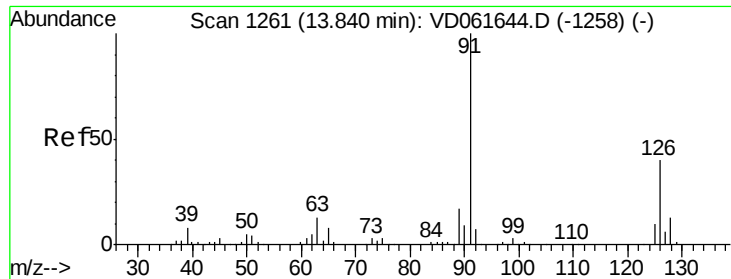
120 23.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





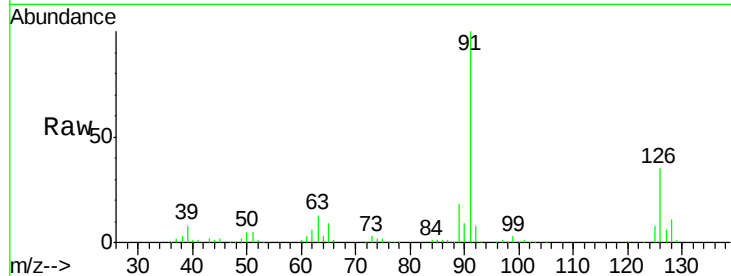
#79
 2-Chlorotoluene
 Concen: 49.850 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

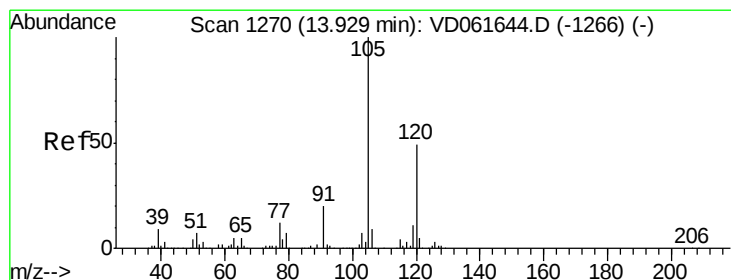
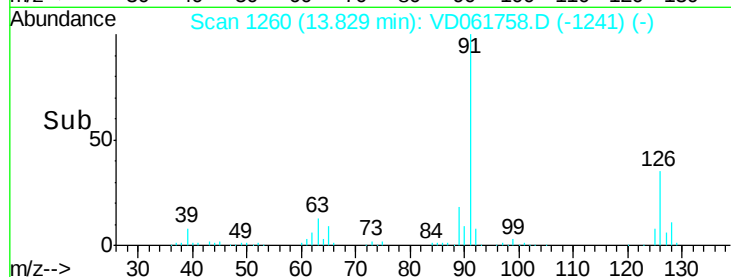
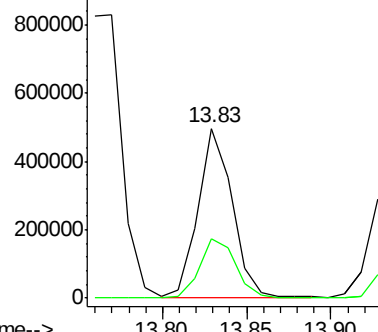
Tot Ion: 91 Resp: 700857
 Ion Ratio Lower Upper
 91 100
 126 35.2 20.0 59.9

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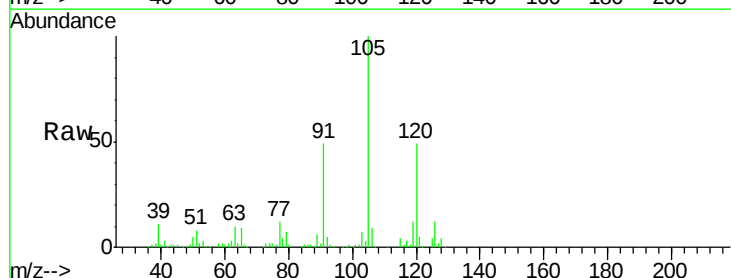


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

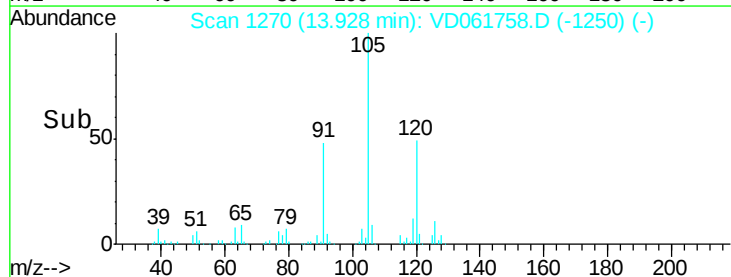
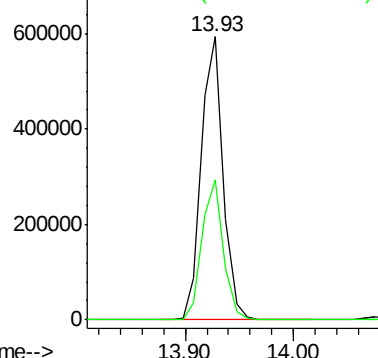


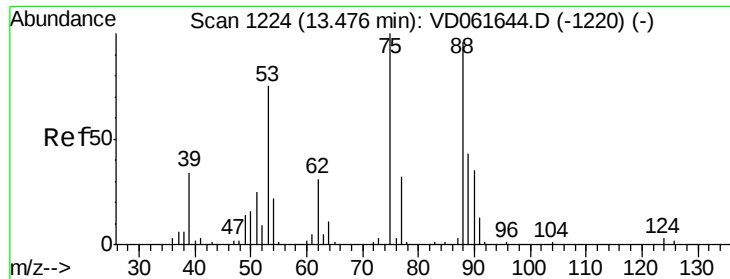
#80
 1,3,5-Trimethylbenzene
 Concen: 50.812 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion: 105 Resp: 828902
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 54.595 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

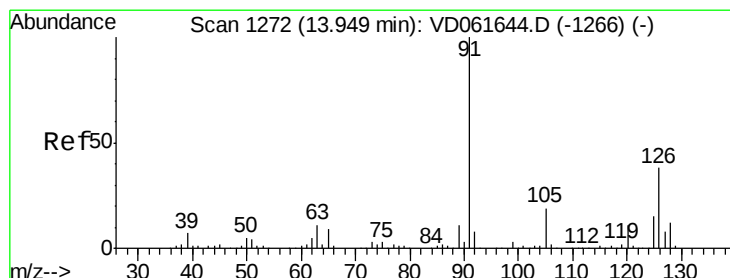
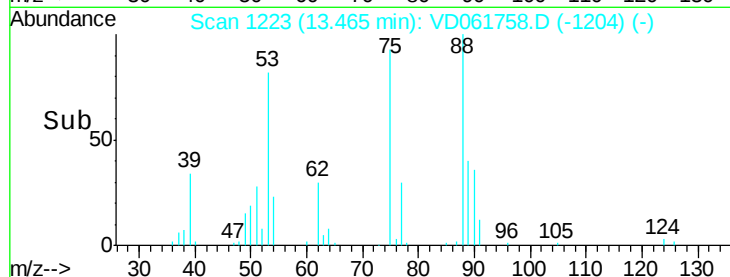
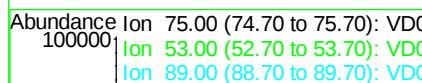
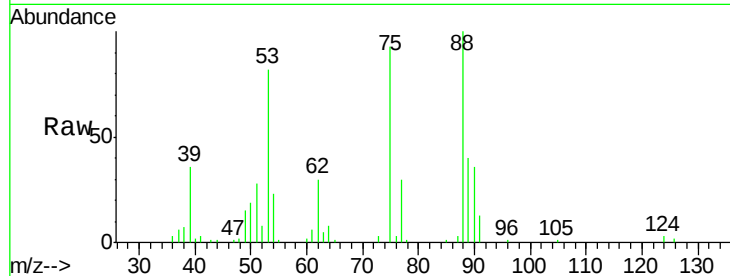
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	69525
Ion Ratio	Lower	Upper	
75	100		
53	87.6	60.2	90.2
89	42.5	34.2	51.2

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#82

4-Chlorotoluene

Concen: 52.274 ug/l

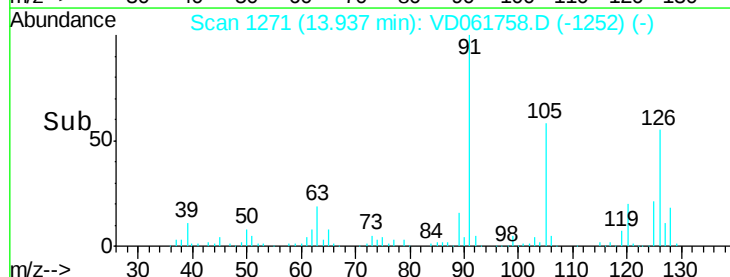
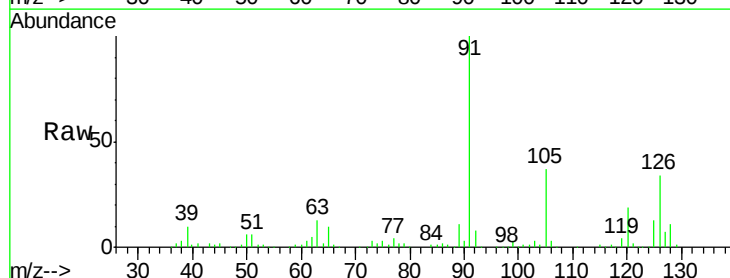
RT: 13.94 min Scan# 1271

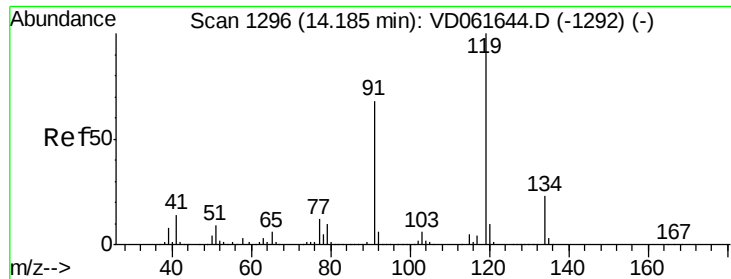
Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion:	91	Resp:	805327
Ion Ratio	Lower	Upper	
91	100		
126	34.1	19.0	57.0





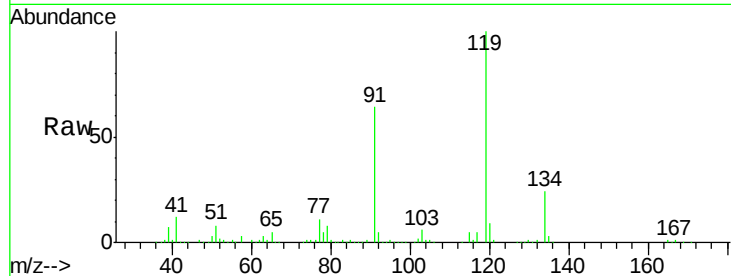
#83
tert-Butylbenzene
Concen: 54.016 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

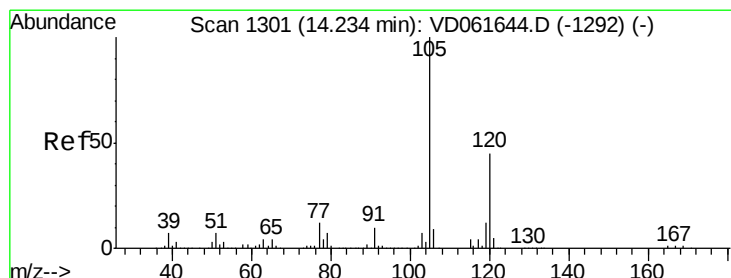
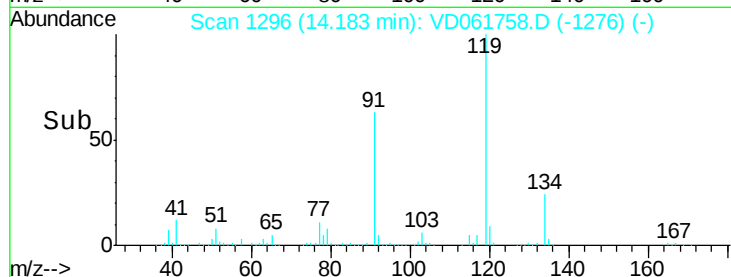
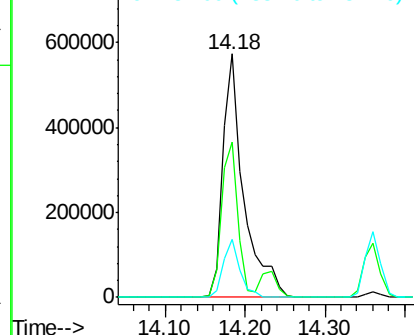
Tot Ion:119 Resp: 1062426
Ion Ratio Lower Upper
119 100
91 63.9 33.9 101.6
134 23.7 11.6 34.8

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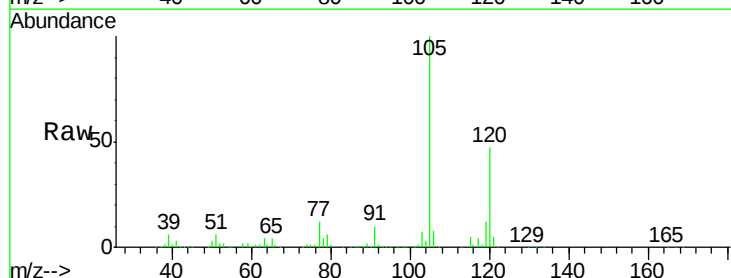


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

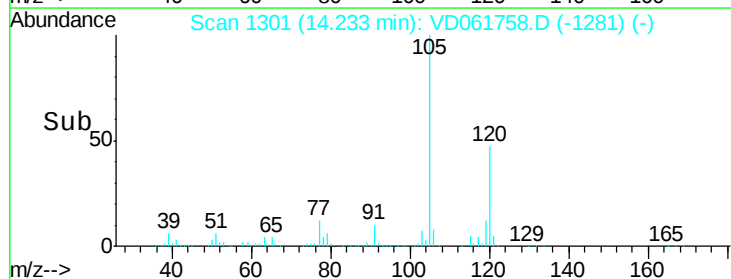
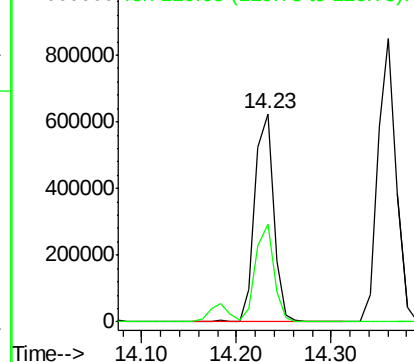


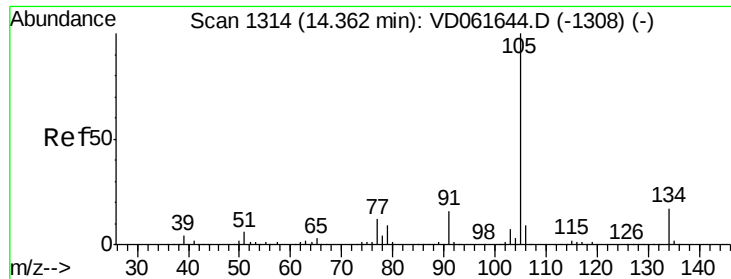
#84
1,2,4-Trimethylbenzene
Concen: 52.844 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion:105 Resp: 870035
Ion Ratio Lower Upper
105 100
120 46.9 22.6 67.8



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





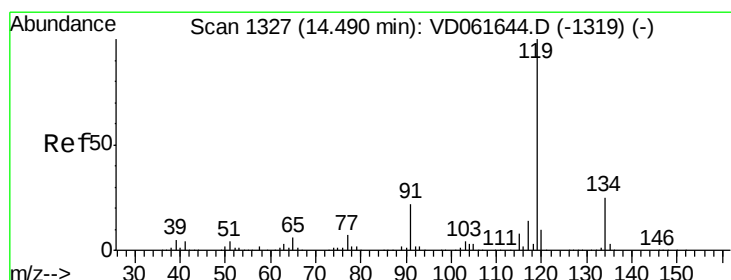
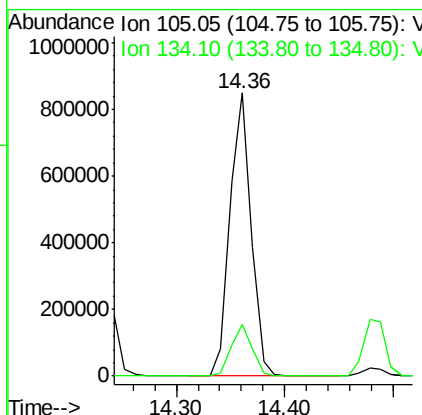
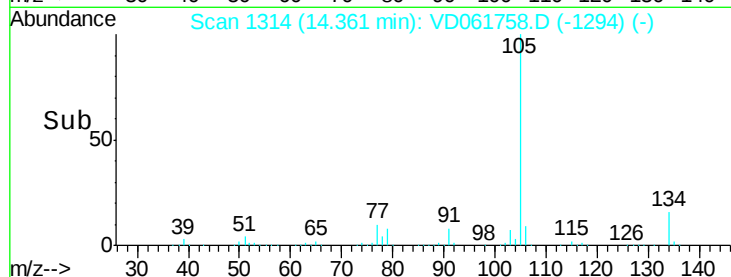
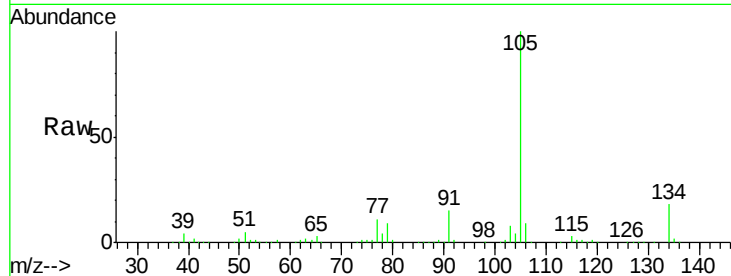
#85
 sec-Butylbenzene
 Concen: 54.375 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 1155508
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.6 25.7

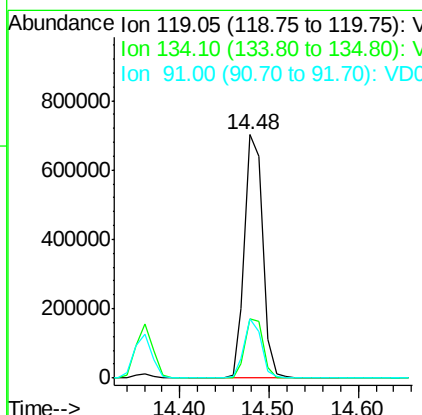
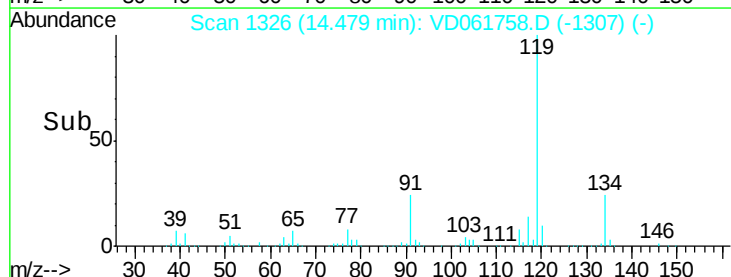
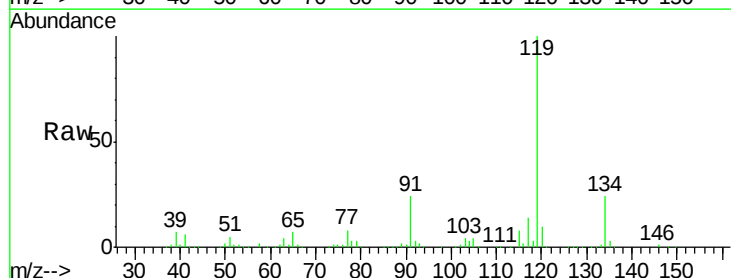
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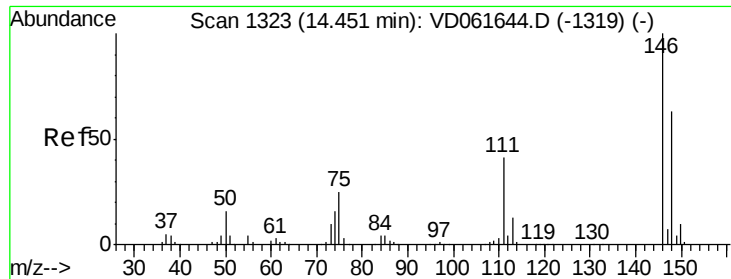
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#86
 p-Isopropyltoluene
 Concen: 54.046 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion:119 Resp: 996337
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.5 37.5
 91 24.3 11.0 33.0





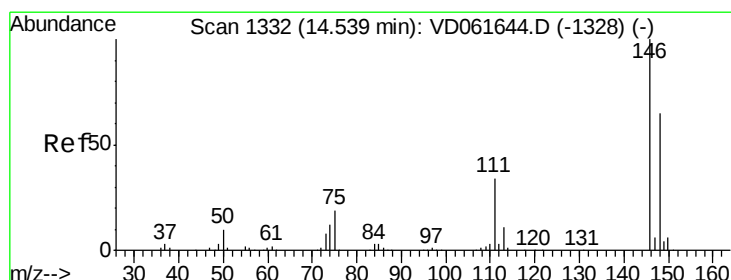
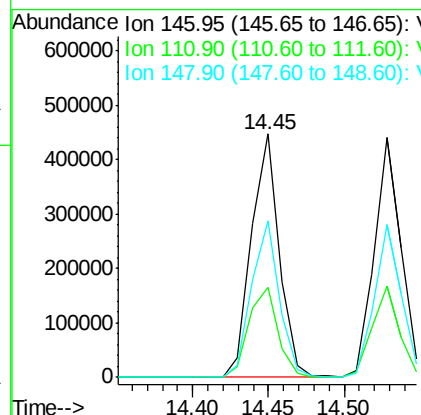
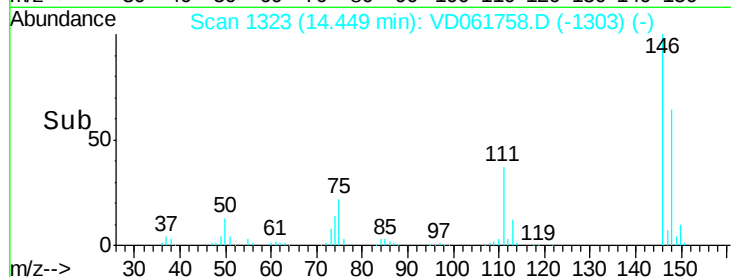
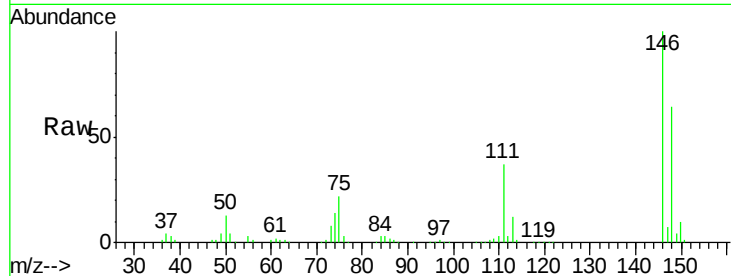
#87
 1,3-Dichlorobenzene
 Concen: 55.797 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.3	61.0
148	64.2	31.7	95.1

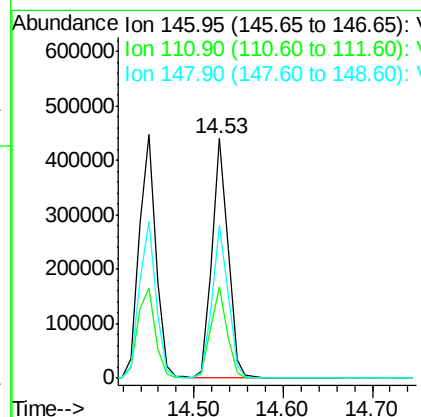
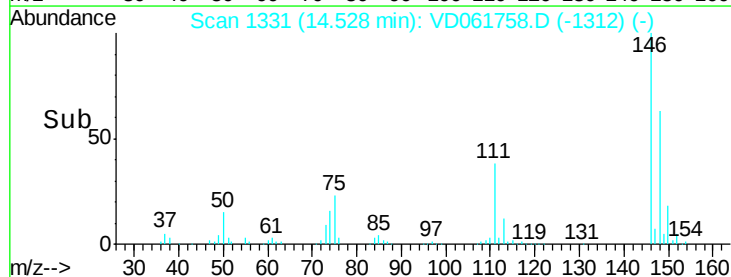
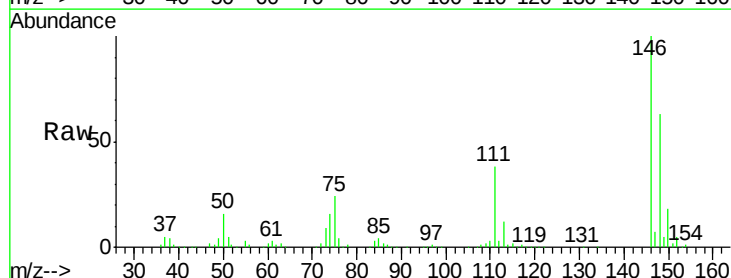
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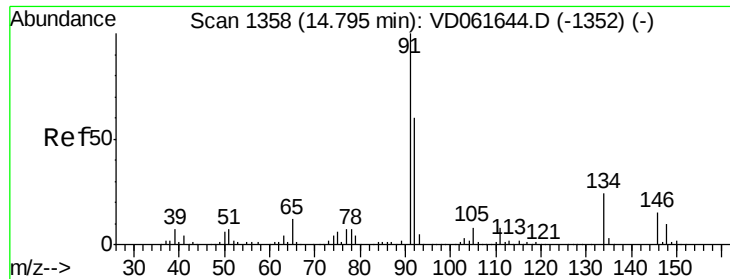
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#88
 1,4-Dichlorobenzene
 Concen: 52.693 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	17.1	51.2
148	63.5	32.6	97.7





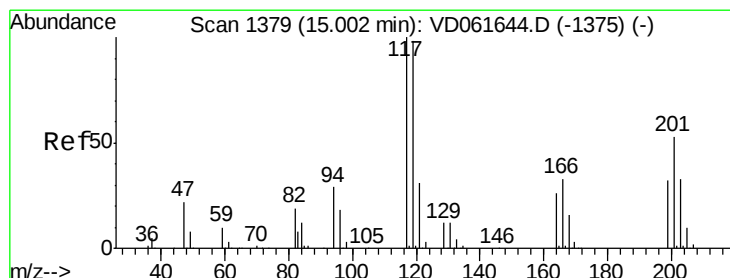
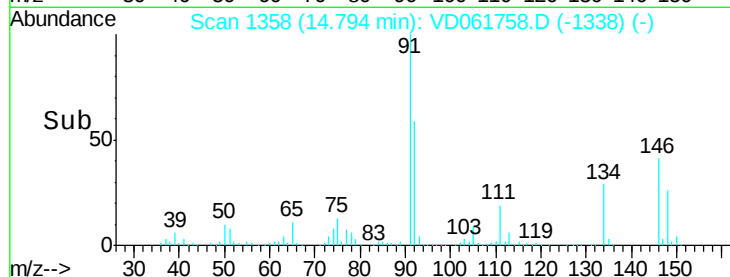
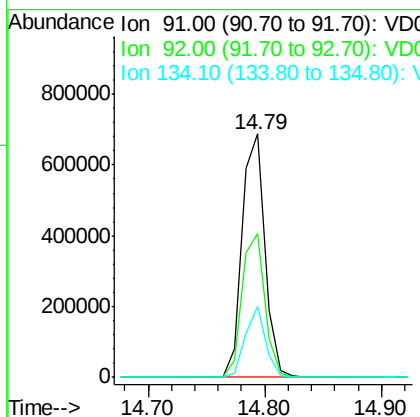
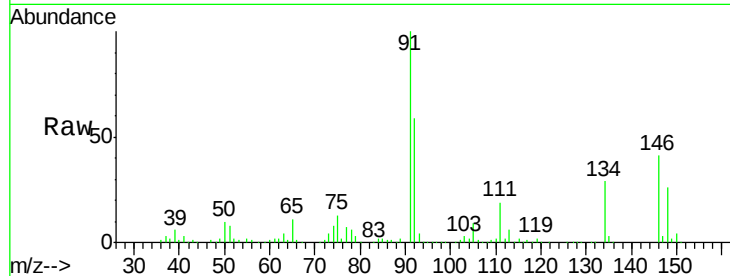
#89
n-Butylbenzene
Concen: 58.084 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.1	29.8	89.4
134	29.2	12.2	36.4

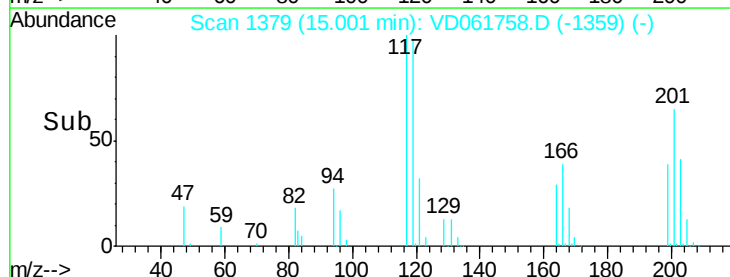
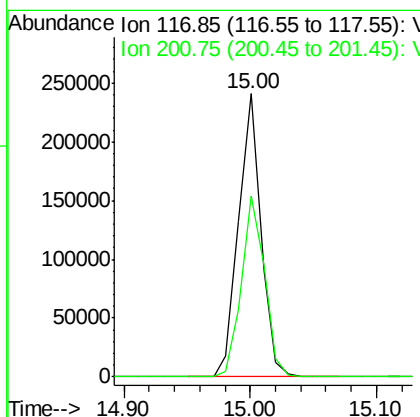
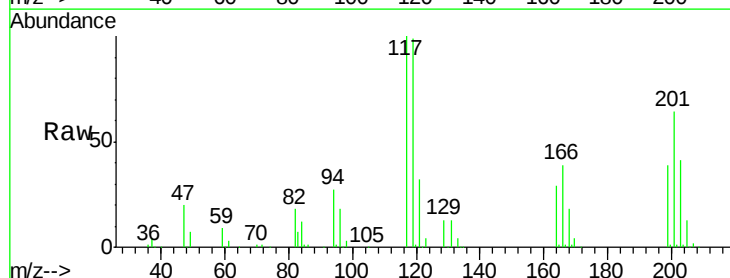
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#90
Hexachloroethane
Concen: 58.733 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD061758.D
Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	26.3	78.8





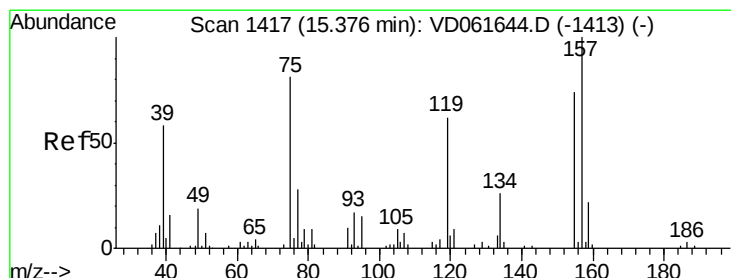
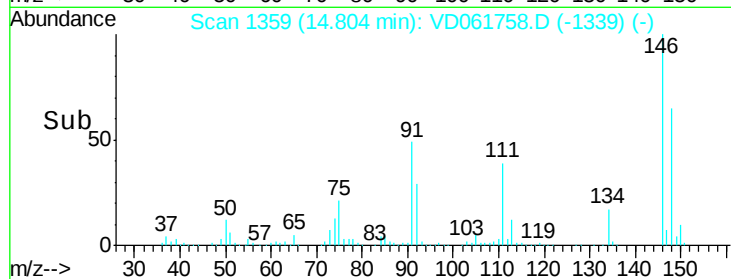
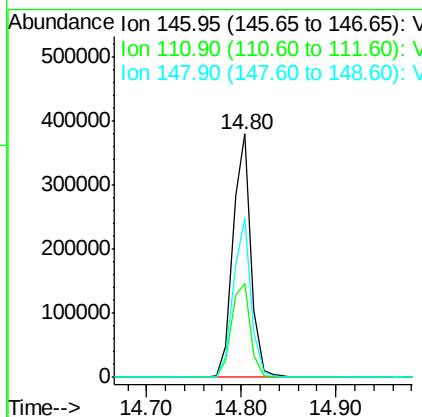
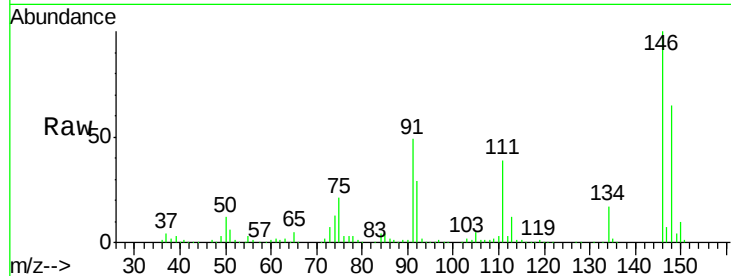
#91
 1,2-Dichlorobenzene
 Concen: 58.683 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.1	63.3
148	65.4	31.7	95.1

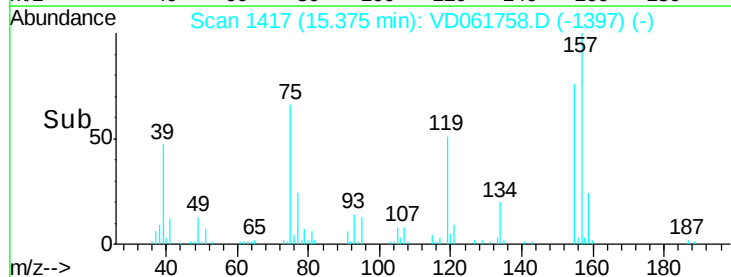
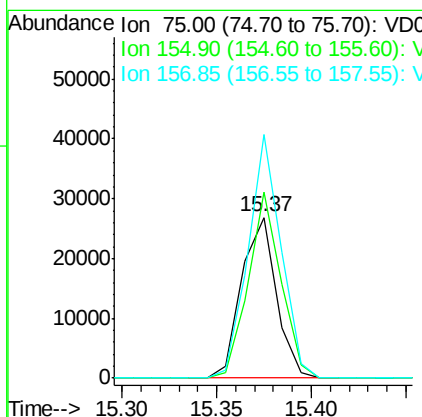
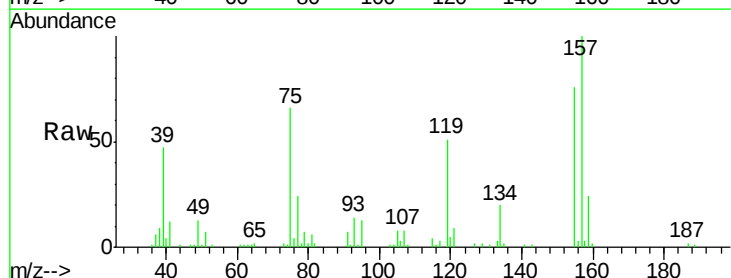
Manual Integrations
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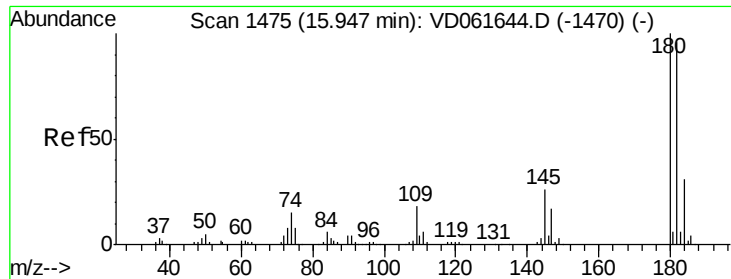
MMDadoda
 4/12/2019 11:42:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.668 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.6	45.6	136.7
157	151.4	61.4	184.2





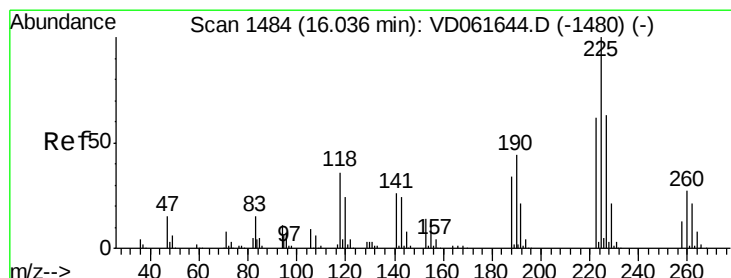
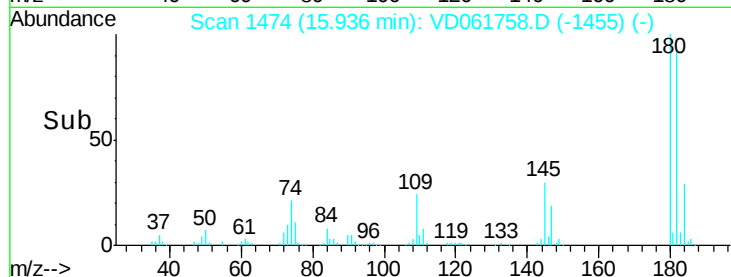
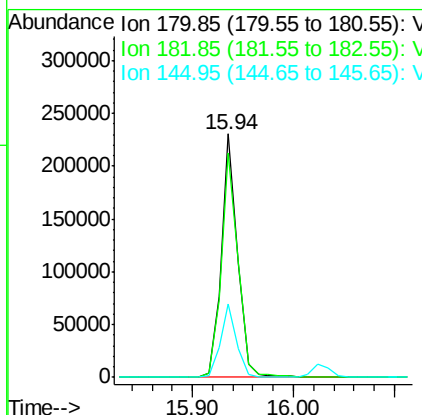
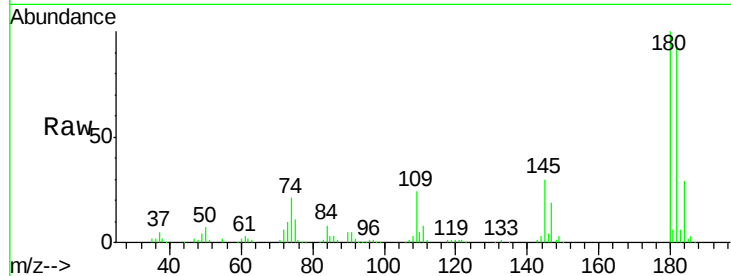
#93
 1,2,4-Trichlorobenzene
 Concen: 60.648 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.8	143.3
145	30.1	13.3	39.8

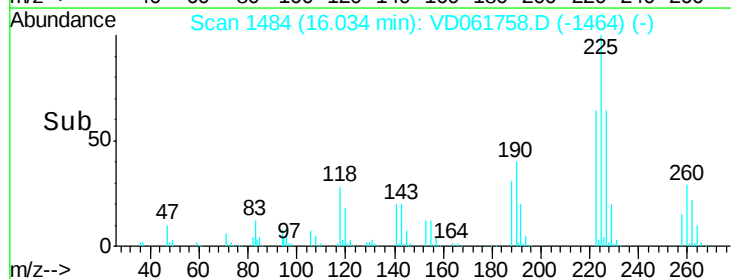
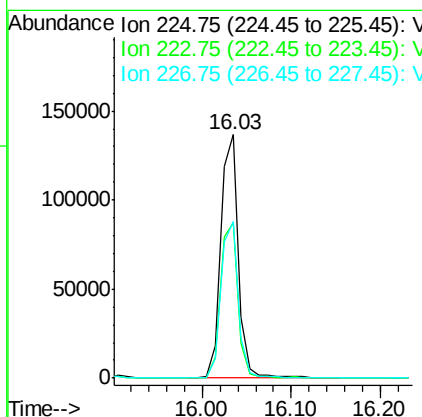
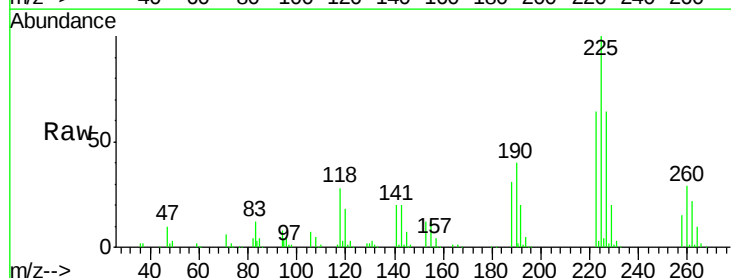
Manual Integrations
 APPROVED

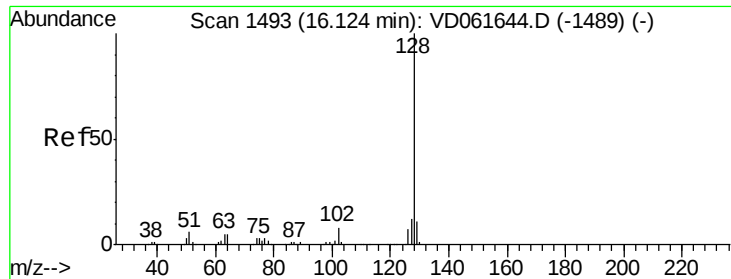
MMDadoda
 4/12/2019 11:42:43 AM



#94
 Hexachlorobutadiene
 Concen: 56.877 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061758.D
 Acq: 12 Apr 2019 1:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.8	92.3
227	64.2	31.5	94.5





#95

Naphthalene

Concen: 63.132 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Instrument :

MSVOA_D

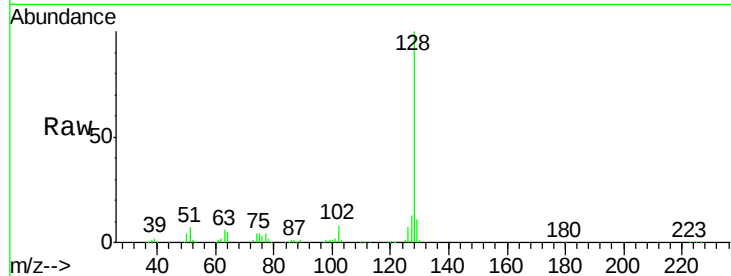
ClientSampleId :

VSTDCCC050

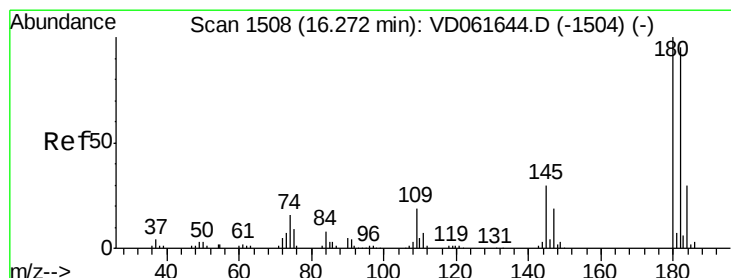
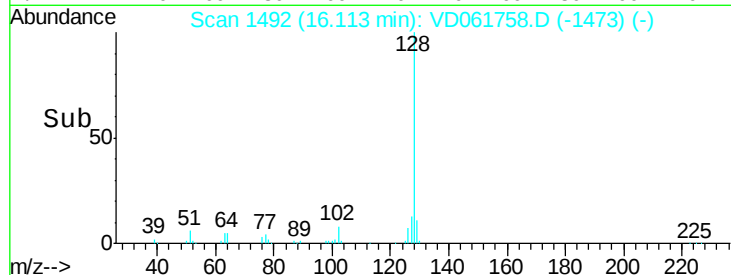
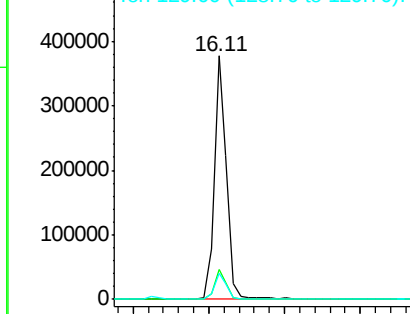
Tot Ion:	128	Resp:	430650
Ion Ratio	Lower	Upper	
128	100		
127	12.5	9.4	14.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/12/2019 11:42:43 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 66.190 ug/l

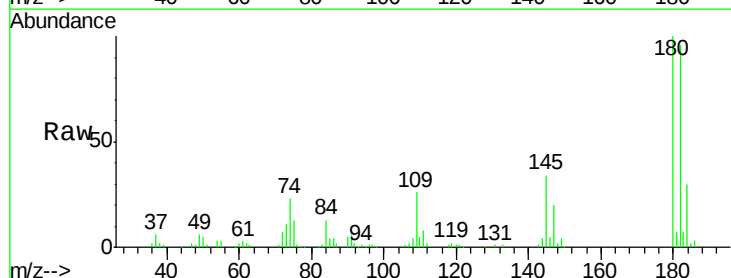
RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD061758.D

Acq: 12 Apr 2019 1:01

Tgt Ion:	180	Resp:	142413
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.3	142.0
145	34.4	15.1	45.3



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

