

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065069.D
 Acq On : 05 Feb 2020 17:42
 Operator : VA/SY
 Sample : VD0205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:31 AM

Quant Time: Feb 06 05:52:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	528548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	782280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	697342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	243734	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	7.92	113	236667	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
50) Toluene-d8	10.34	98	929046	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.64	95	290137	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89957	20.452	ug/l	96
3) Chloromethane	2.21	50	116328	22.468	ug/l	100
4) Vinyl Chloride	2.35	62	117462	21.452	ug/l	98
5) Bromomethane	2.76	94	76965	21.678	ug/l	100
6) Chloroethane	2.92	64	75269	22.160	ug/l	97
7) Trichlorofluoromethane	3.27	101	173578	21.782	ug/l	97
8) Diethyl Ether	3.70	74	45777	20.011	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98487	20.217	ug/l	96
10) Methyl Iodide	4.29	142	103464	18.608	ug/l	97
11) Tert butyl alcohol	5.24	59	31702	115.503	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	95056	20.374	ug/l	99
13) Acrolein	3.93	56	34714	102.829	ug/l	97
14) Allyl chloride	4.71	41	159891	20.620	ug/l	99
15) Acrylonitrile	5.43	53	102314	102.300	ug/l	99
16) Acetone	4.17	43	109971	97.915	ug/l	97
17) Carbon Disulfide	4.40	76	312131	20.836	ug/l	99
18) Methyl Acetate	4.73	43	49575	21.127	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	210289	20.382	ug/l	98
20) Methylene Chloride	4.97	84	112641	20.448	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	108724	20.597	ug/l	97
22) Diisopropyl ether	6.37	45	309923	21.190	ug/l #	92
23) Vinyl Acetate	6.31	43	844698	103.615	ug/l	98
24) 1,1-Dichloroethane	6.26	63	185864	20.995	ug/l	98
25) 2-Butanone	7.23	43	133063	99.321	ug/l	96
26) 2,2-Dichloropropane	7.21	77	167216	21.073	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	116016	20.688	ug/l	100
28) Bromochloromethane	7.56	49	67662	20.162	ug/l	97
29) Tetrahydrofuran	7.58	42	82652	102.017	ug/l	99
30) Chloroform	7.71	83	188880	21.427	ug/l	94
31) Cyclohexane	7.98	56	177746	19.890	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	173062	21.076	ug/l	100
36) 1,1-Dichloropropene	8.12	75	152844	21.012	ug/l	99
37) Ethyl Acetate	7.30	43	61874	20.821	ug/l	98
38) Carbon Tetrachloride	8.10	117	151320	20.368	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	180677	20.123	ug/l	98
40) Benzene	8.36	78	421262	20.972	ug/l	98
41) Methacrylonitrile	7.54	41	33461	20.438	ug/l	96
42) 1,2-Dichloroethane	8.43	62	121359	21.204	ug/l	99
43) Isopropyl Acetate	8.46	43	112510	19.792	ug/l	98
44) Trichloroethene	9.11	130	117039	20.299	ug/l	99
45) 1,2-Dichloropropane	9.39	63	102126	21.205	ug/l	100
46) Dibromomethane	9.48	93	53675	21.209	ug/l	98
47) Bromodichloromethane	9.67	83	143107	21.461	ug/l	95
48) Methyl methacrylate	9.46	41	55252	20.198	ug/l	97
49) 1,4-Dioxane	9.46	88	12594	420.154	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	284180	101.563	ug/l	98
52) Toluene	10.41	92	267267	20.847	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	133790	20.607	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	162685	20.951	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	73240	21.099	ug/l	99
56) Ethyl methacrylate	10.67	69	87432	19.907	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125024	20.482	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	140156	86.321	ug/l	100
59) 2-Hexanone	10.99	43	200644	101.236	ug/l	99
60) Dibromochloromethane	11.14	129	95420	21.223	ug/l	99
61) 1,2-Dibromoethane	11.25	107	70407	20.758	ug/l	100
64) Tetrachloroethene	10.88	164	103908	20.737	ug/l	99
65) Chlorobenzene	11.68	112	282769	20.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	103199	20.731	ug/l	98
67) Ethyl Benzene	11.75	91	507353	20.705	ug/l	98
68) m/p-Xylenes	11.86	106	387215	41.401	ug/l	99
69) o-Xylene	12.18	106	173012	20.542	ug/l	98
70) Styrene	12.20	104	304352	20.792	ug/l	98
71) Bromoform	12.37	173	55949	20.881	ug/l #	99
73) Isopropylbenzene	12.48	105	474696	20.764	ug/l	99
74) N-amyl acetate	12.30	43	100448	20.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	73931	20.548	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	52638m	20.873	ug/l	
77) Bromobenzene	12.77	156	115644	20.995	ug/l	97
78) n-propylbenzene	12.83	91	557958	20.840	ug/l	99
79) 2-Chlorotoluene	12.91	91	310691	20.819	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	387984	20.744	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	25938	20.570	ug/l	97
82) 4-Chlorotoluene	13.01	91	328543	20.962	ug/l	100
83) tert-Butylbenzene	13.23	119	325346	20.163	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	385425	20.757	ug/l	99
85) sec-Butylbenzene	13.41	105	456563	20.717	ug/l	100
86) p-Isopropyltoluene	13.53	119	427476	20.877	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	217068	21.048	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	214391	20.887	ug/l	98
89) n-Butylbenzene	13.86	91	387624	20.510	ug/l	100
90) Hexachloroethane	14.12	117	79864	20.598	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	180999	20.490	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12332	20.996	ug/l	97

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ClientSampleId :
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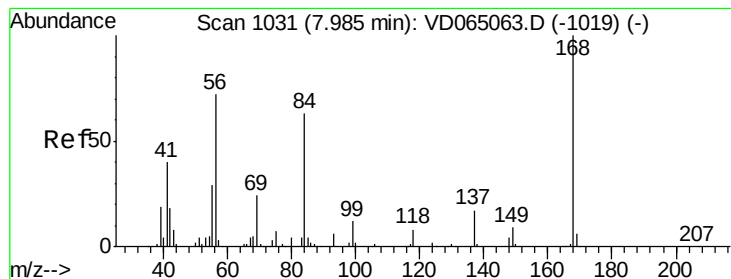
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	131954	20.900	ug/l	99
94) Hexachlorobutadiene	15.28	225	81421	20.974	ug/l	98
95) Naphthalene	15.41	128	207374	19.762	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	109982	20.366	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion:168 Resp: 528548

Ion Ratio Lower Upper

168 100

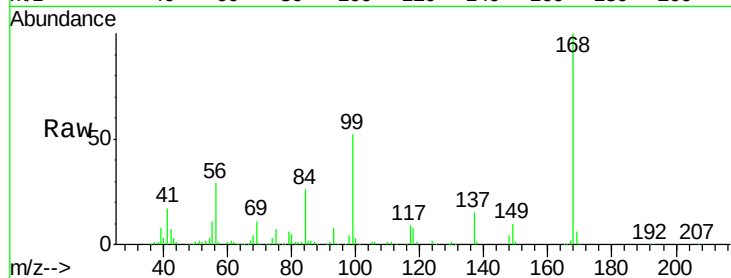
99 51.7 41.0 61.6

Manual Integrations

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2/6/2020 10:37:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

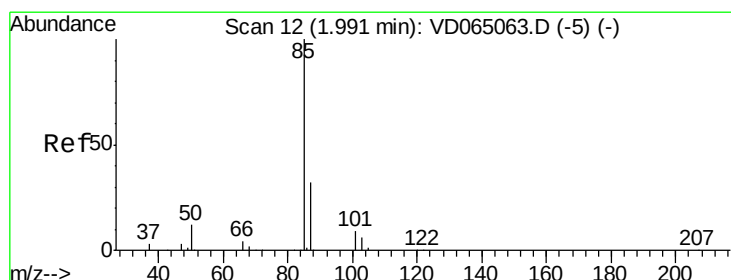
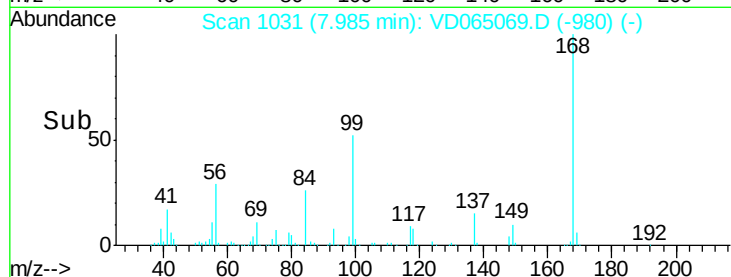
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.452 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065069.D

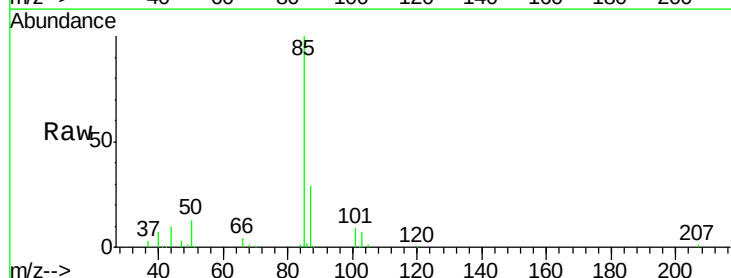
Acq: 05 Feb 2020 17:42

Tgt Ion: 85 Resp: 89957

Ion Ratio Lower Upper

85 100

87 29.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

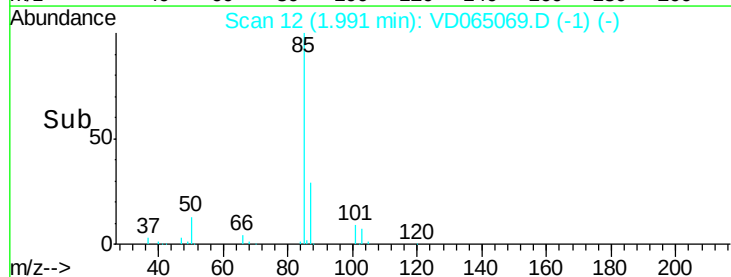
40000

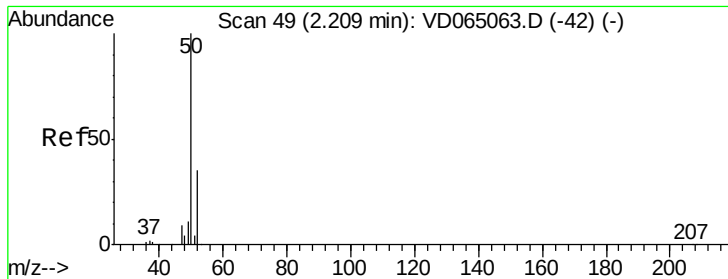
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.468 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 50 Resp: 116328

Ion Ratio Lower Upper

50 100

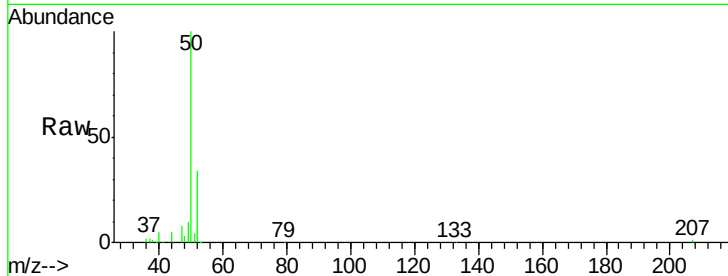
52 34.4 27.8 41.6

Manual Integrations

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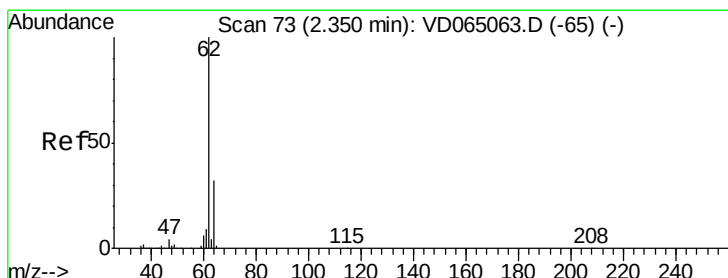
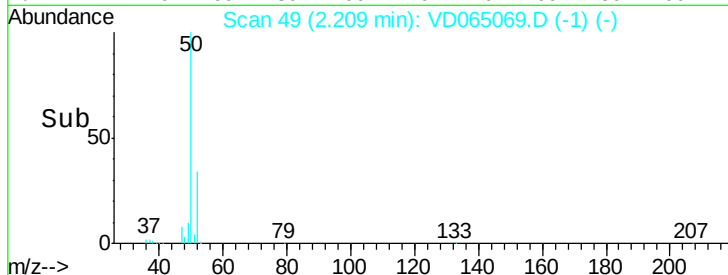
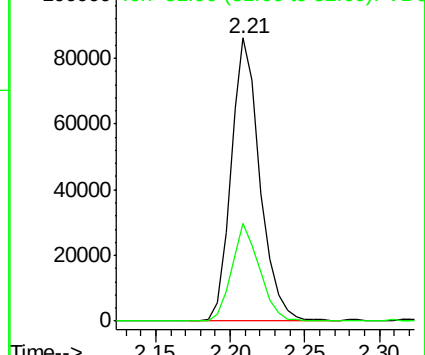
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.452 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065069.D

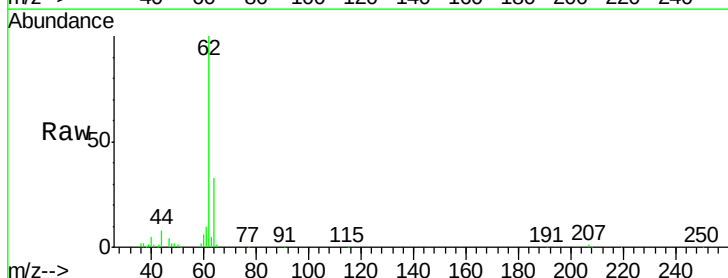
Acq: 05 Feb 2020 17:42

Tgt Ion: 62 Resp: 117462

Ion Ratio Lower Upper

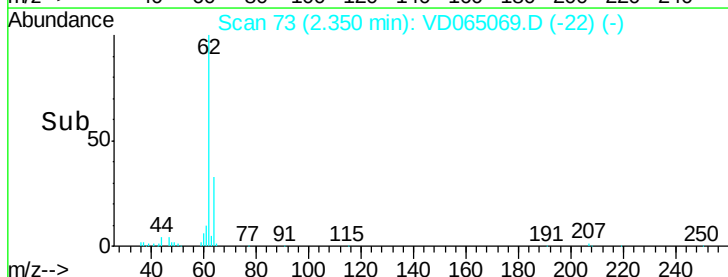
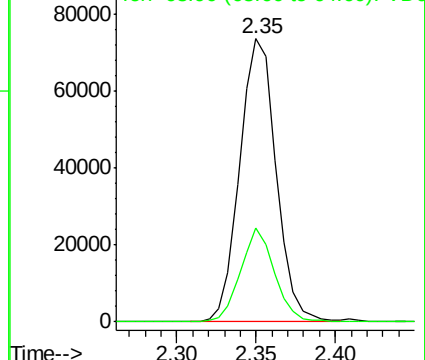
62 100

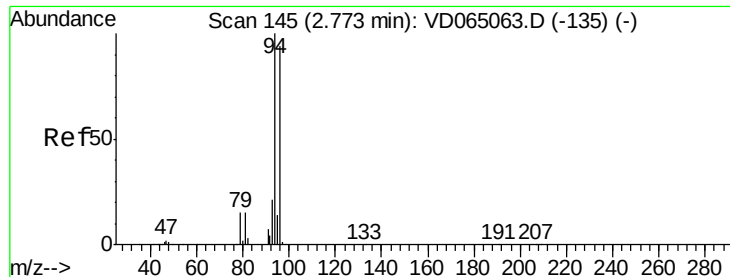
64 33.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.678 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065069.D

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MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 94 Resp: 76965

Ion Ratio Lower Upper

94 100

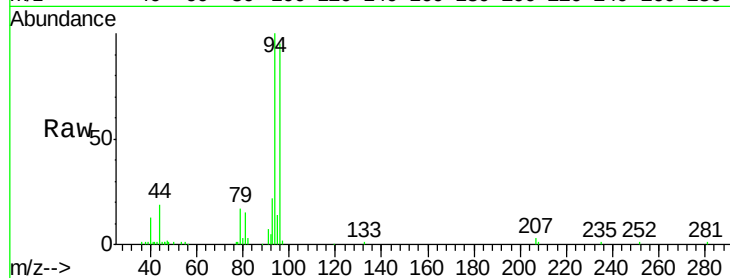
96 94.3 75.4 113.0

Manual Integrations

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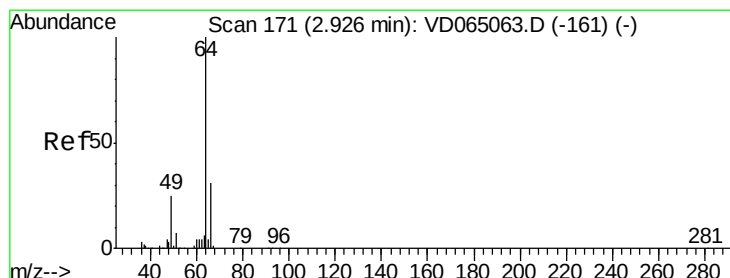
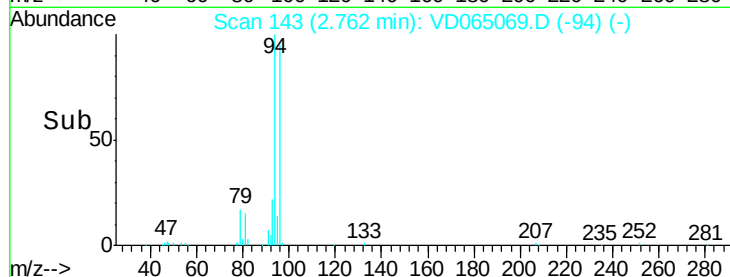
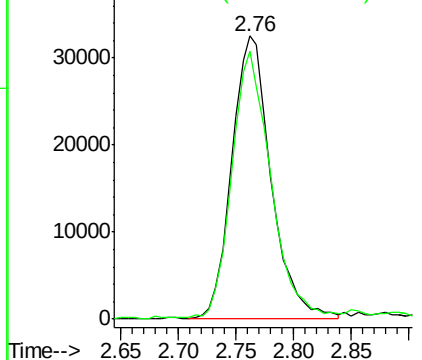
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2/6/2020 10:37:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.160 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065069.D

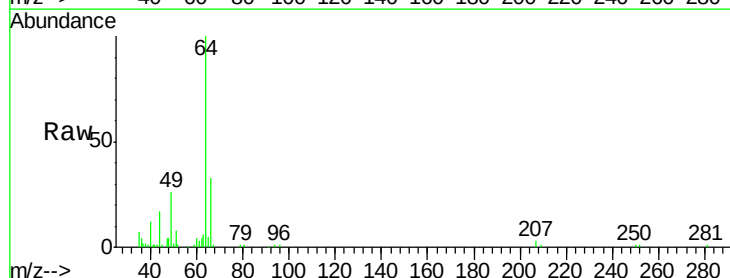
Acq: 05 Feb 2020 17:42

Tgt Ion: 64 Resp: 75269

Ion Ratio Lower Upper

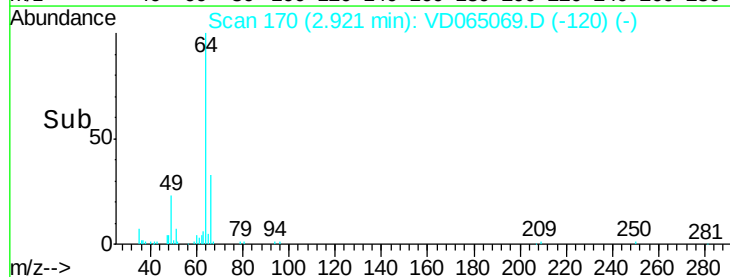
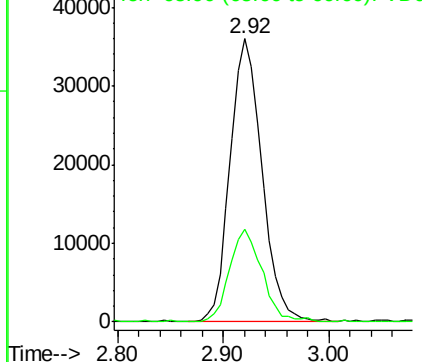
64 100

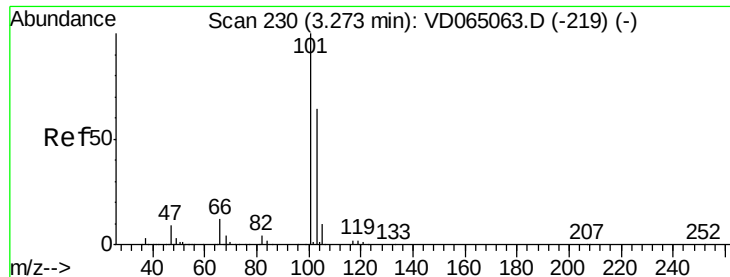
66 32.8 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

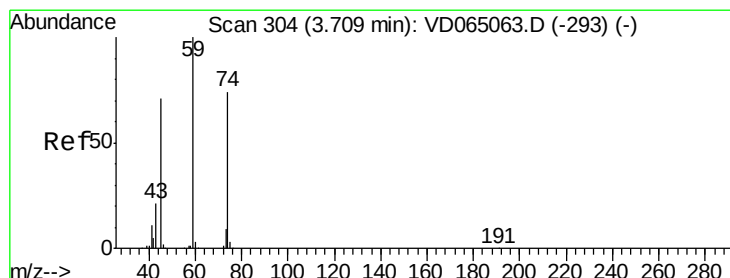
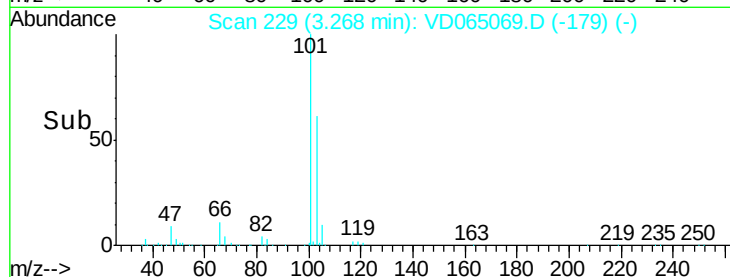
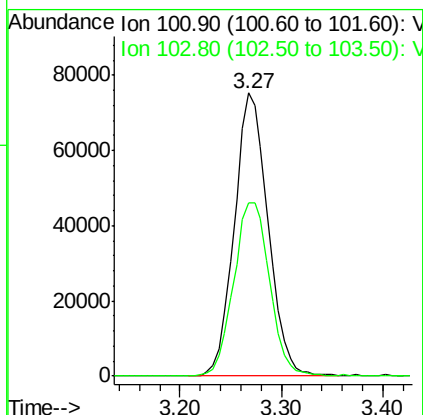
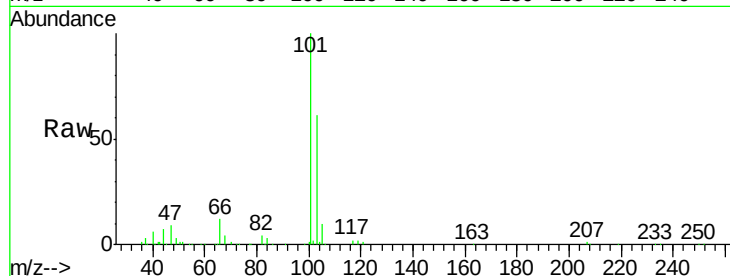
Trichlorofluoromethane
 Concen: 21.782 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

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 VD0205SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	51.0	76.6

Manual Integrations
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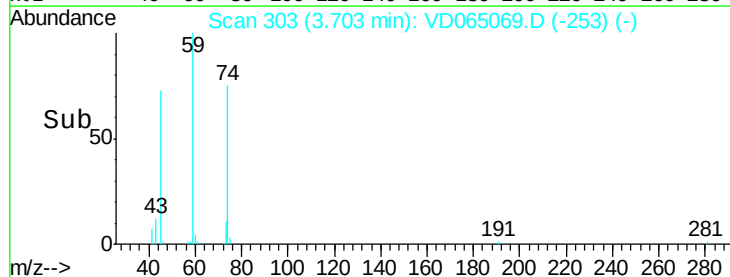
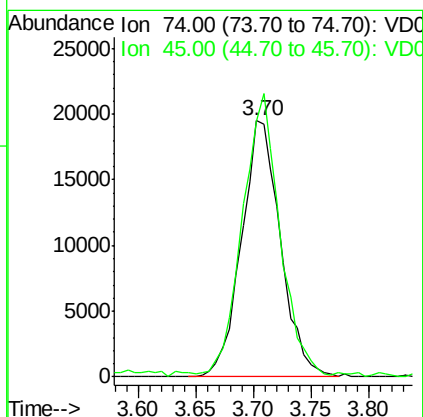
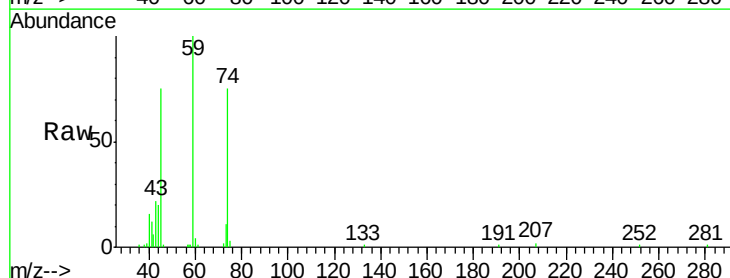
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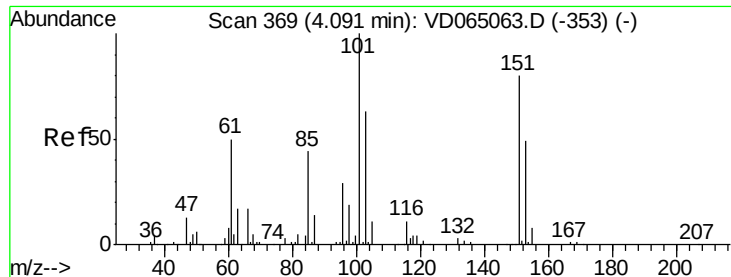


#8

Diethyl Ether
 Concen: 20.011 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.217 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065069.D

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Instrument :

MSVOA_D

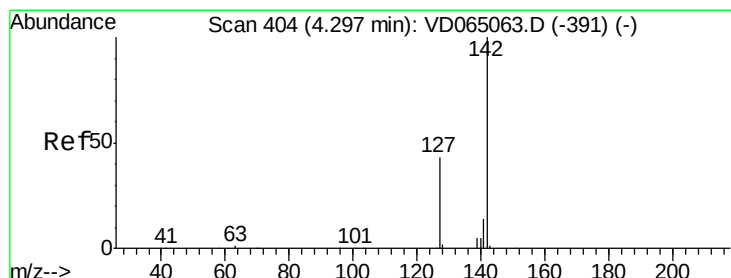
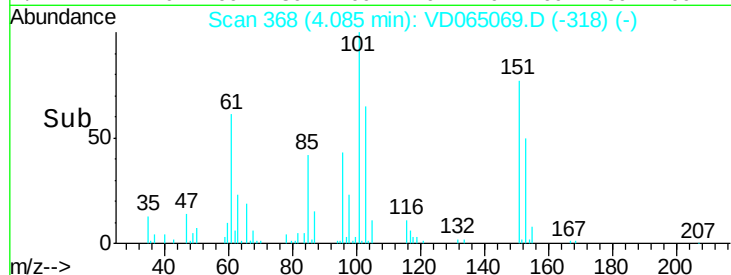
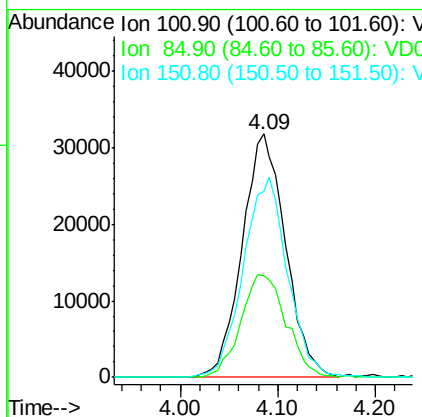
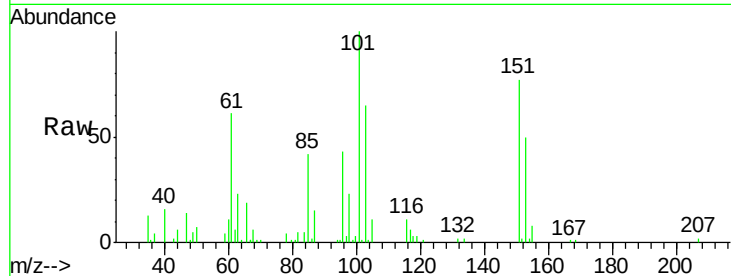
ClientSampleId :

VD0205SBS01

Tot Ion:	101	Resp:	98487
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.0	51.0
151	83.9	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.608 ug/l

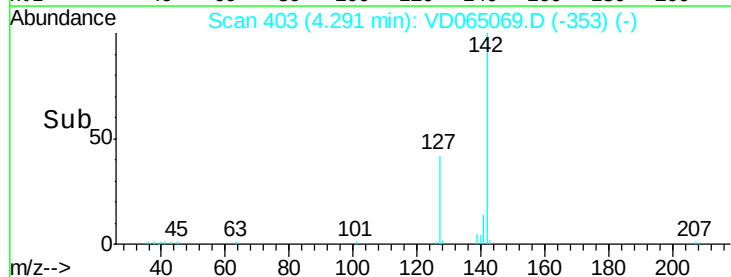
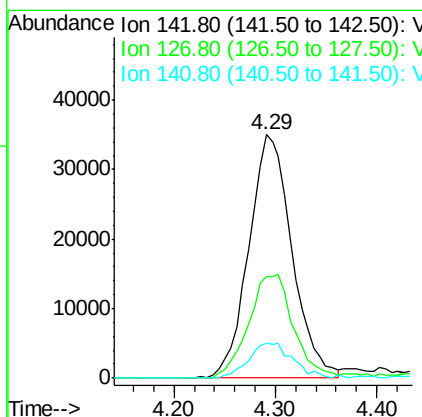
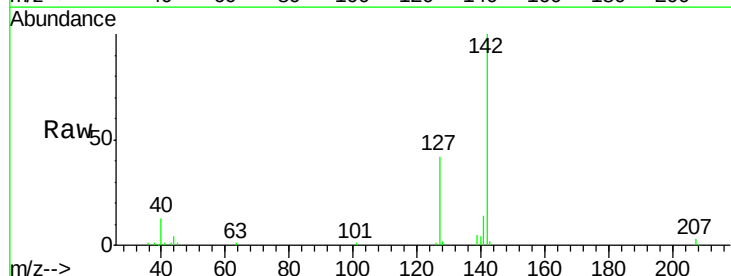
RT: 4.29 min Scan# 403

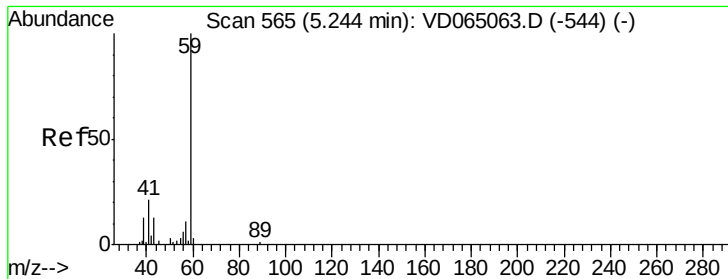
Delta R.T. -0.01 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tgt Ion:	142	Resp:	103464
Ion Ratio	Lower	Upper	
142	100		
127	44.8	34.0	51.0
141	14.6	11.6	17.4





#11

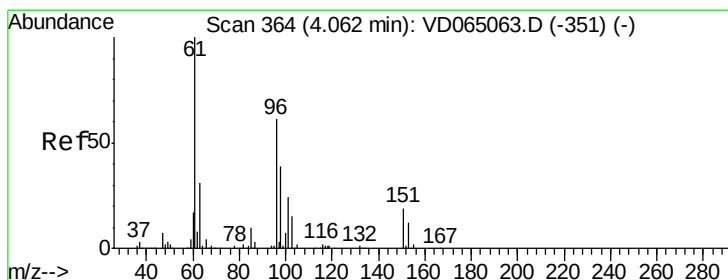
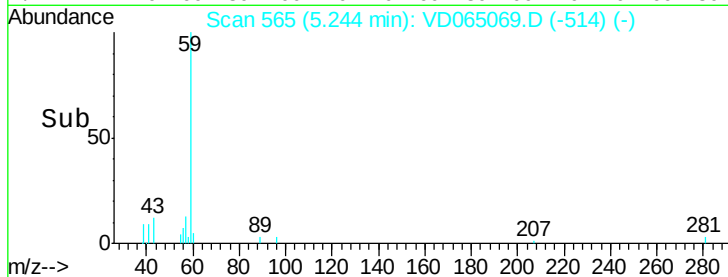
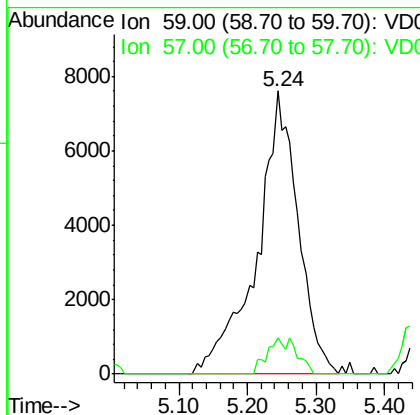
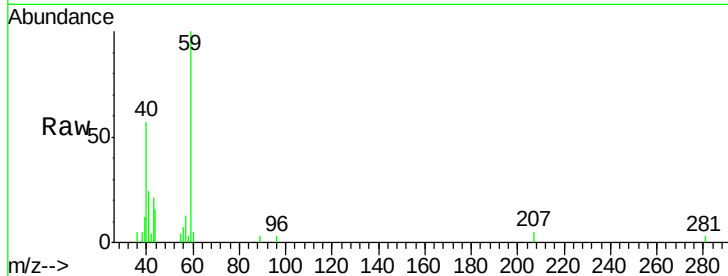
Tert butyl alcohol
 Concen: 115.503 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	59	Resp	31702
Ion Ratio	100	Lower	Upper
57	5.6	8.8	13.2#

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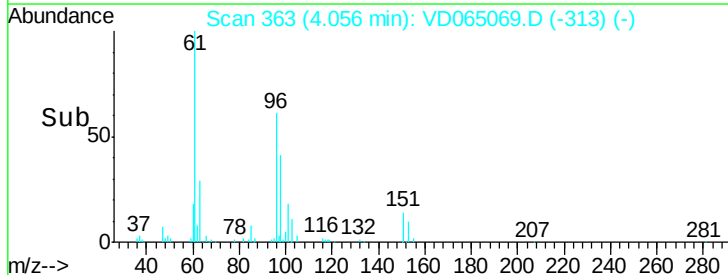
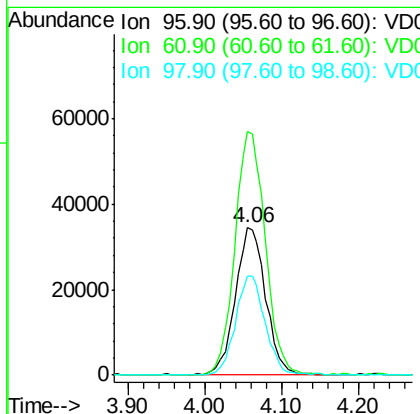
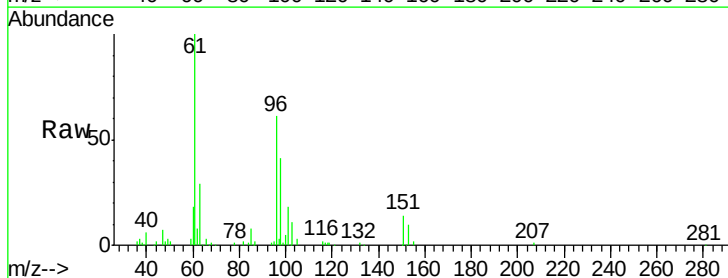
MMDadoda
 2/6/2020 10:37:31 AM

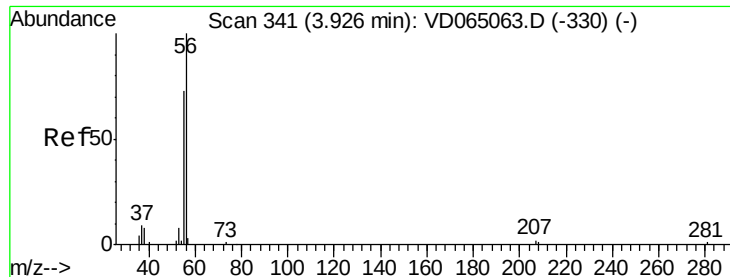


#12

1,1-Dichloroethene
 Concen: 20.374 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion	96	Resp	95056
Ion Ratio	100	Lower	Upper
61	165.0	131.4	197.2
98	66.8	51.1	76.7





#13

Acrolein

Concen: 102.829 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 56 Resp: 34714

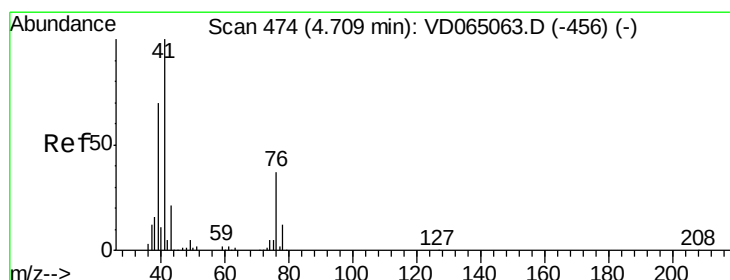
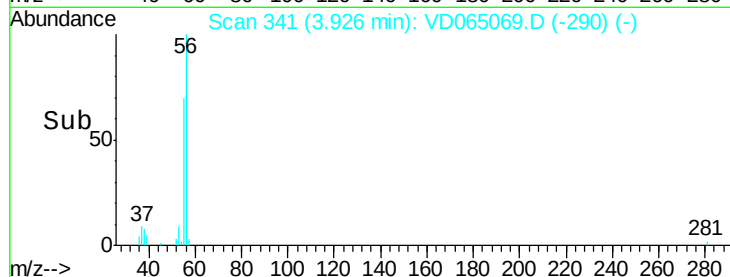
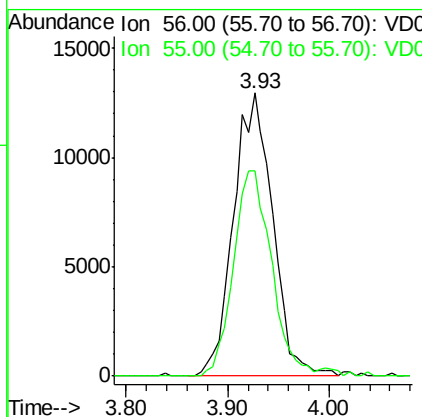
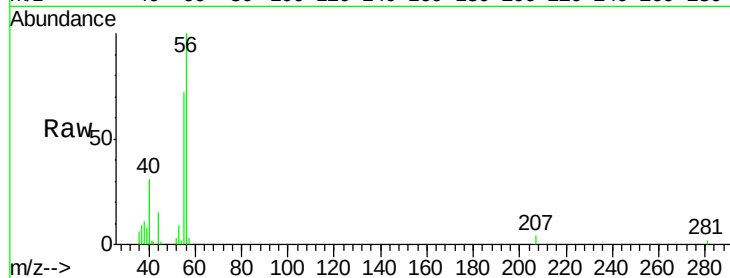
Ion Ratio Lower Upper

56 100

55 70.4 58.2 87.2

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#14

Allyl chloride

Concen: 20.620 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

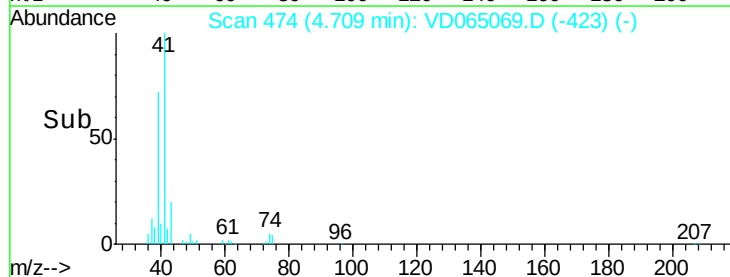
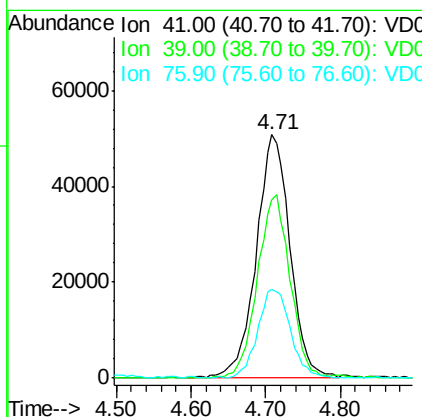
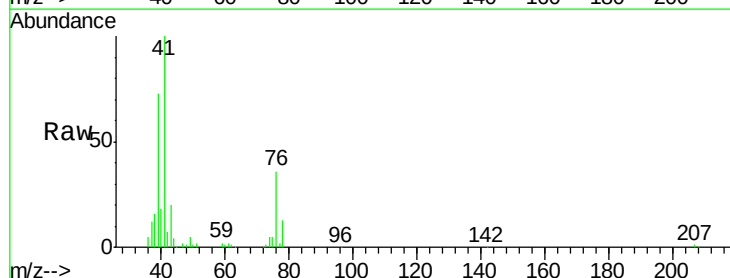
Tgt Ion: 41 Resp: 159891

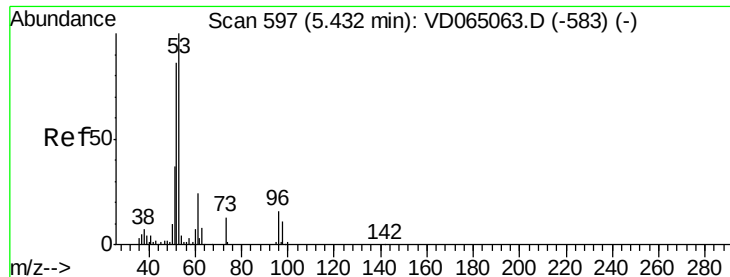
Ion Ratio Lower Upper

41 100

39 72.7 57.1 85.7

76 35.4 28.0 42.0





#15

Acrylonitrile

Concen: 102.300 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

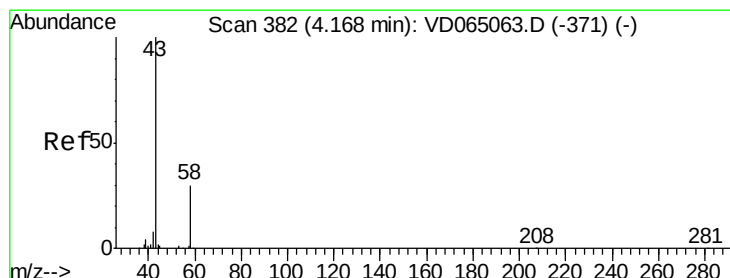
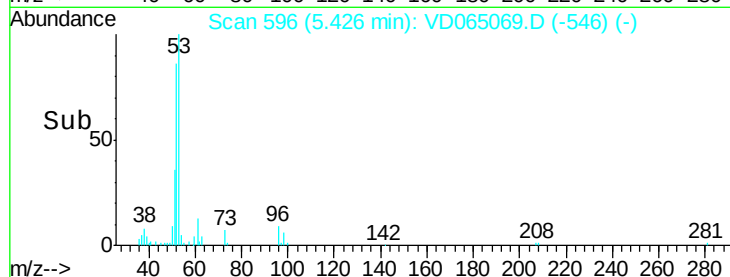
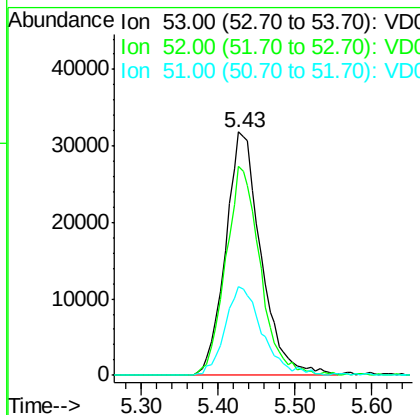
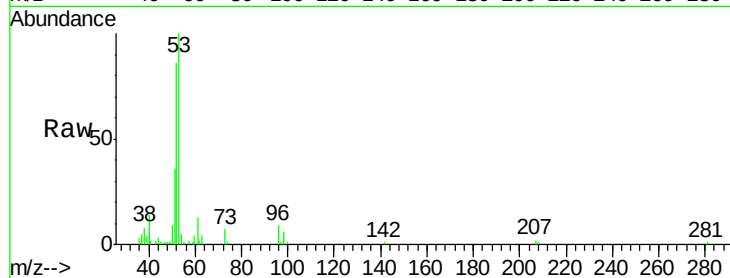
ClientSampleId :

VD0205SBS01

Tot Ion:	53	Resp:	102314
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.2	99.2
51	38.2	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 97.915 ug/l

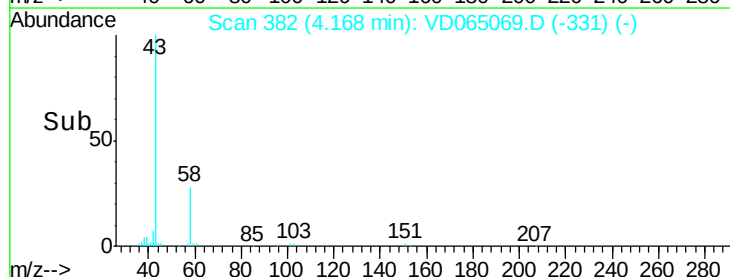
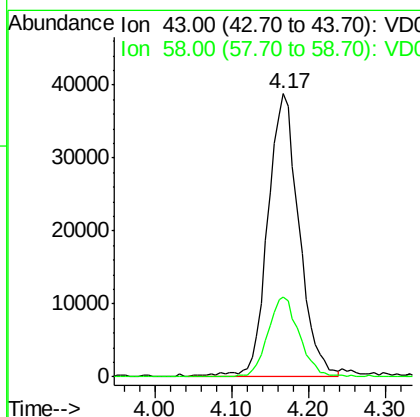
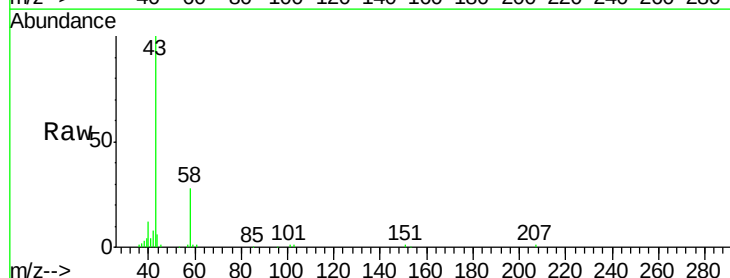
RT: 4.17 min Scan# 382

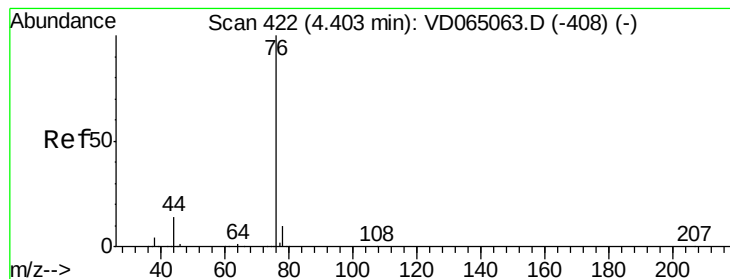
Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tgt Ion:	43	Resp:	109971
Ion Ratio	Lower	Upper	
43	100		
58	28.0	23.5	35.3





#17

Carbon Disulfide

Concen: 20.836 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 76 Resp: 312131

Ion Ratio Lower Upper

76 100

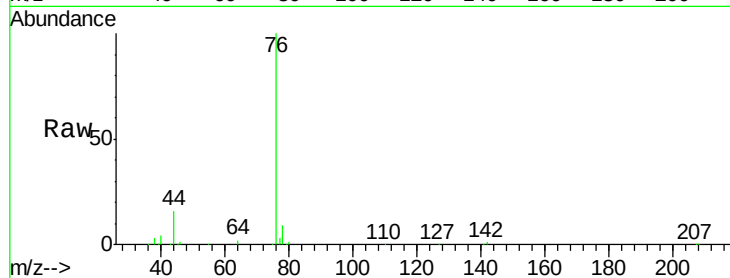
78 9.3 7.6 11.4

Manual Integrations

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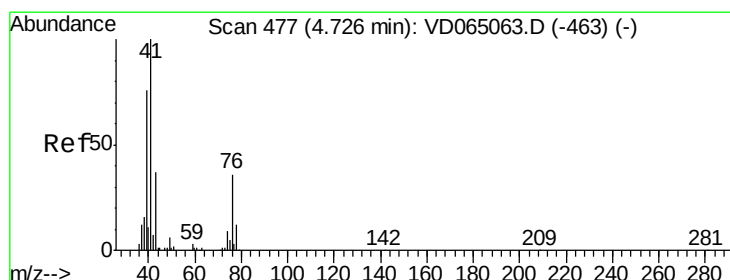
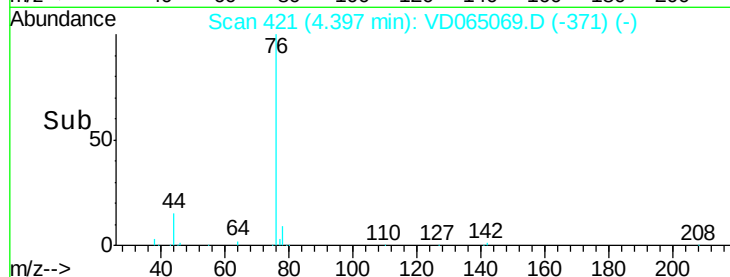
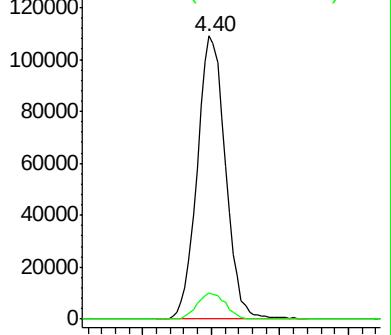
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.127 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065069.D

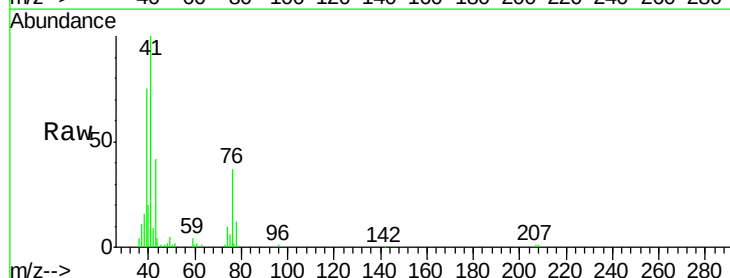
Acq: 05 Feb 2020 17:42

Tgt Ion: 43 Resp: 49575

Ion Ratio Lower Upper

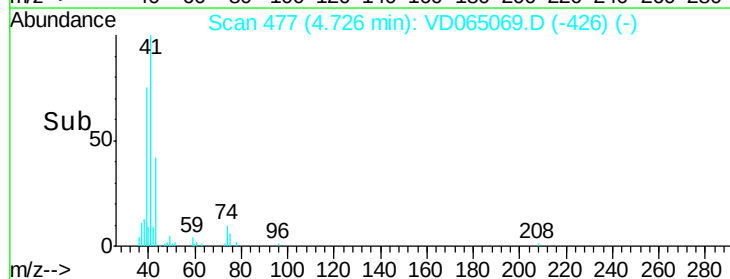
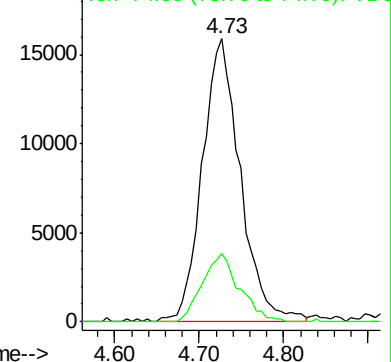
43 100

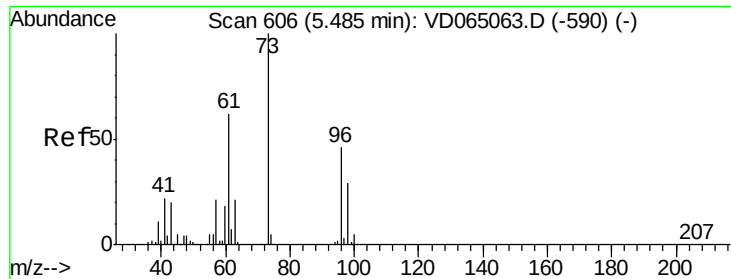
74 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





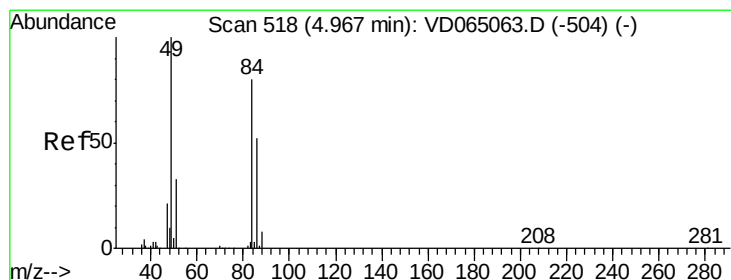
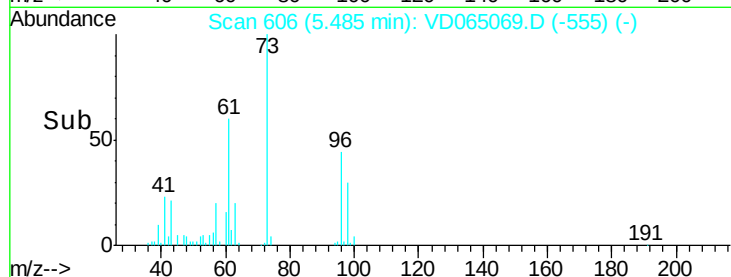
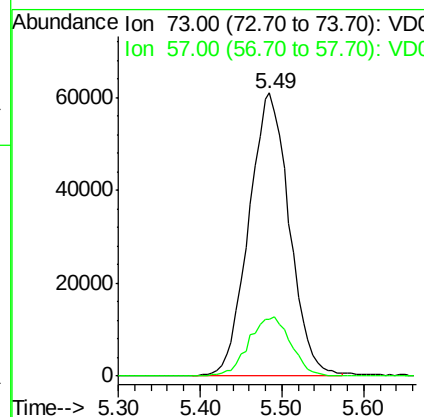
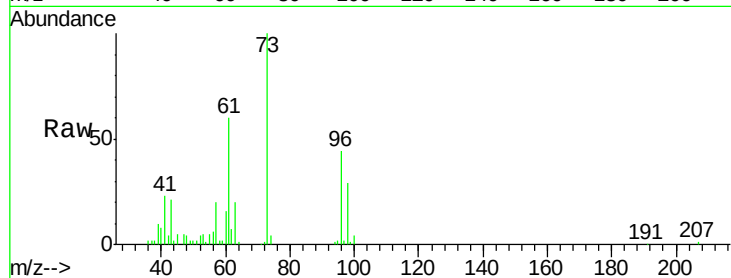
#19
Methyl tert-butyl Ether
Concen: 20.382 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion: 73 Resp: 210289
Ion Ratio Lower Upper
73 100
57 20.1 16.8 25.2

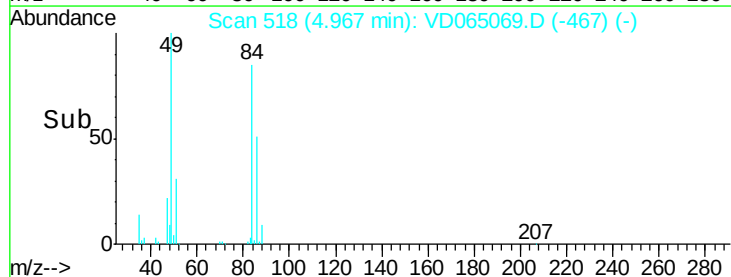
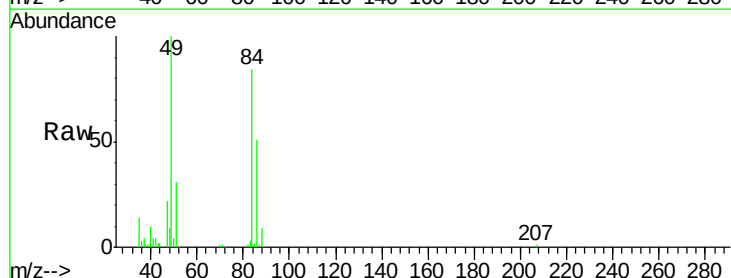
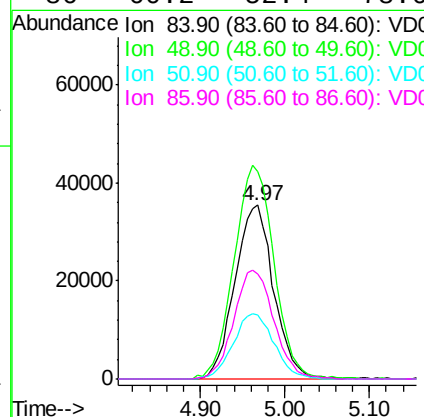
Manual Integrations
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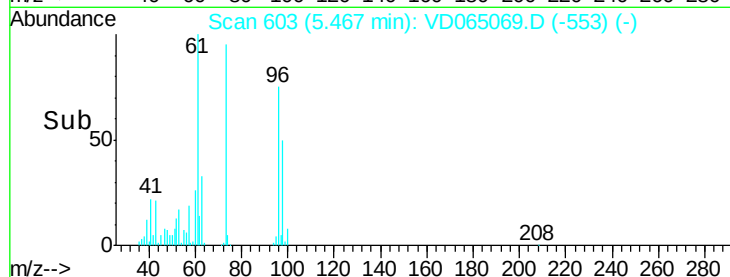
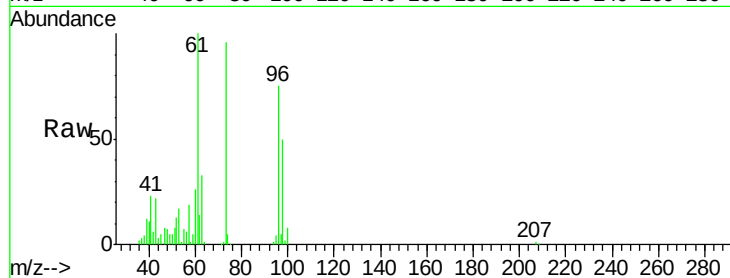
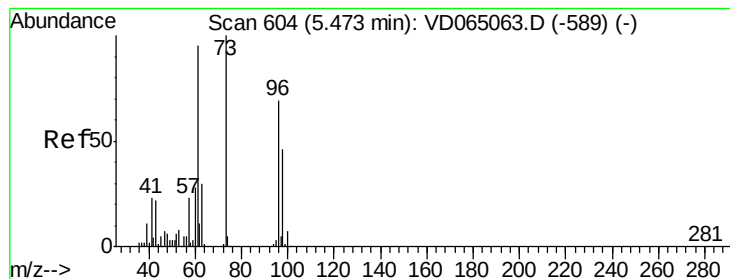
MMDadoda
2/6/2020 10:37:31 AM



#20
Methylene Chloride
Concen: 20.448 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion: 84 Resp: 112641
Ion Ratio Lower Upper
84 100
49 119.0 100.4 150.6
51 36.6 32.7 49.1
86 60.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 20.597 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tot Ion:	96	Resp:	108724
Ion	Ratio	Lower	Upper
96	100		
61	132.5	109.5	164.3
98	66.7	53.7	80.5

Instrument :

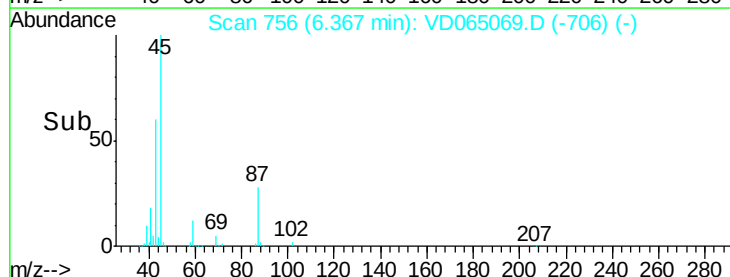
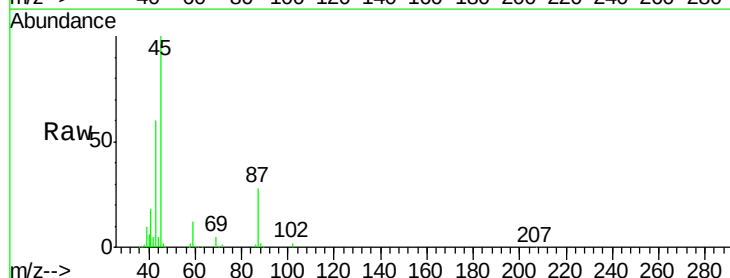
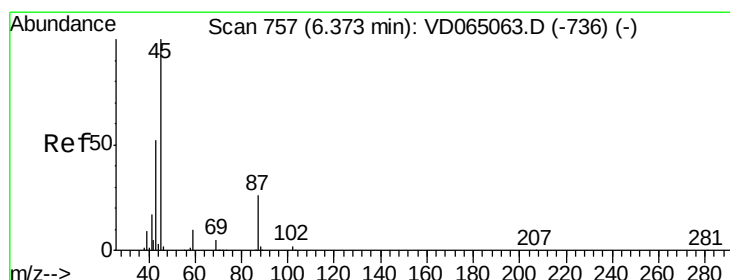
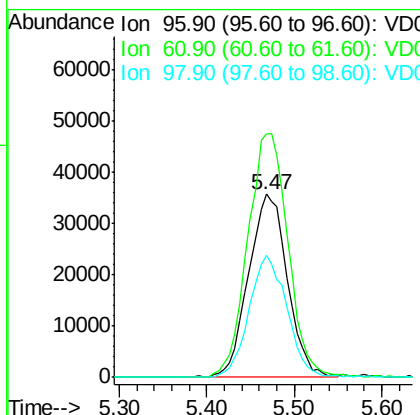
MSVOA_D

ClientSampleId :

VD0205SBS01

Manual Integrations
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MMDadoda
2/6/2020 10:37:31 AM



#22

Diisopropyl ether

Concen: 21.190 ug/l

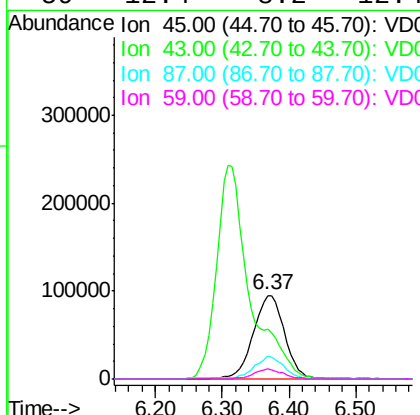
RT: 6.37 min Scan# 756

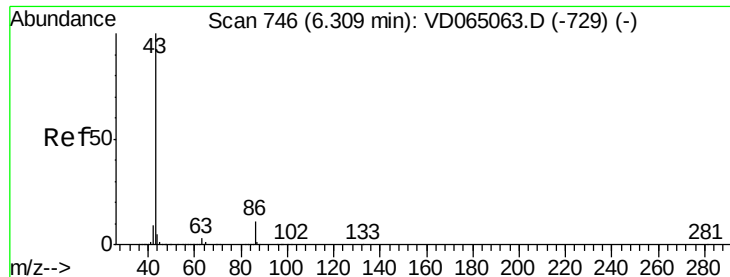
Delta R.T. -0.01 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tgt Ion:	45	Resp:	309923
Ion	Ratio	Lower	Upper
45	100		
43	59.2	41.3	61.9
87	28.1	21.0	31.6
59	12.4	8.2	12.4#





#23

Vinyl Acetate

Concen: 103.615 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 43 Resp: 844698

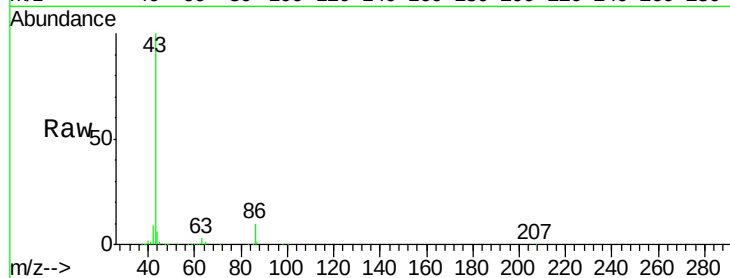
Ion Ratio Lower Upper

43 100

86 9.9 8.5 12.7

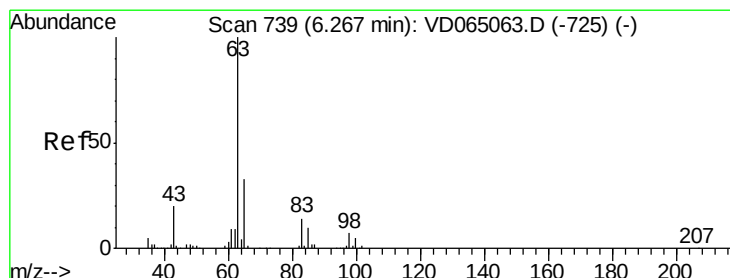
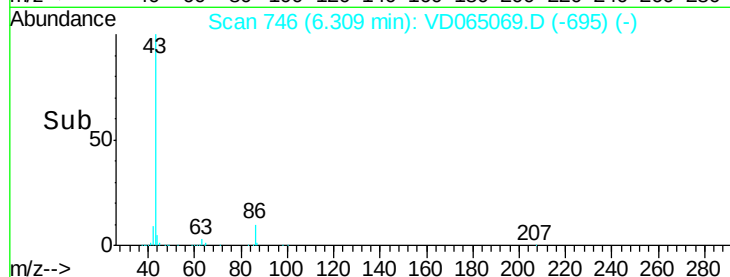
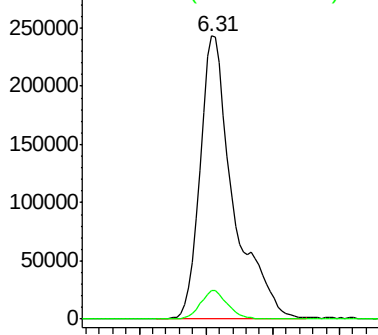
Manual Integrations
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MMDadoda
2/6/2020 10:37:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.995 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

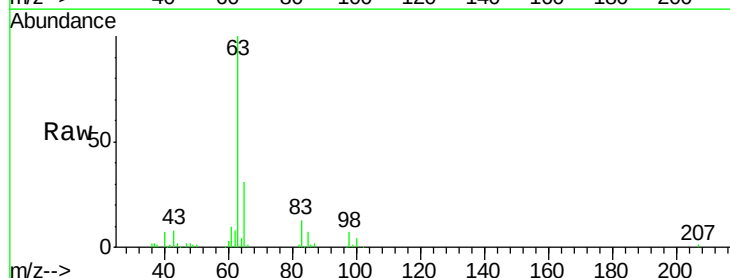
Tgt Ion: 63 Resp: 185864

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

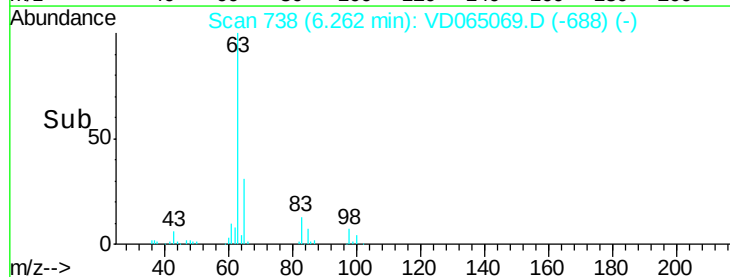
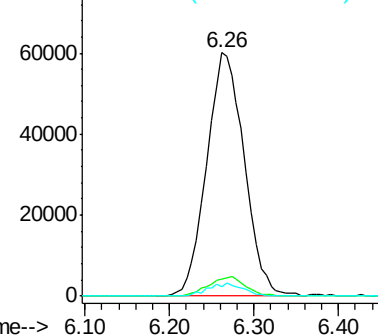
100 4.0 2.5 7.6

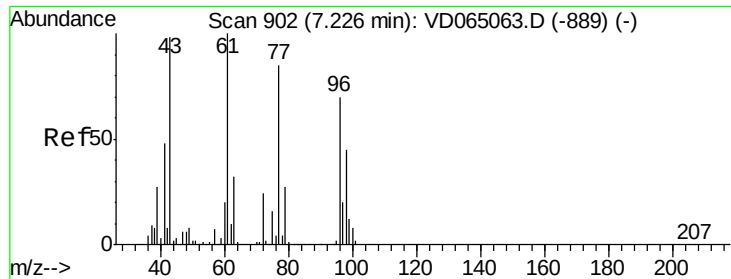


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 99.321 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 43 Resp: 133063

Ion Ratio Lower Upper

43 100

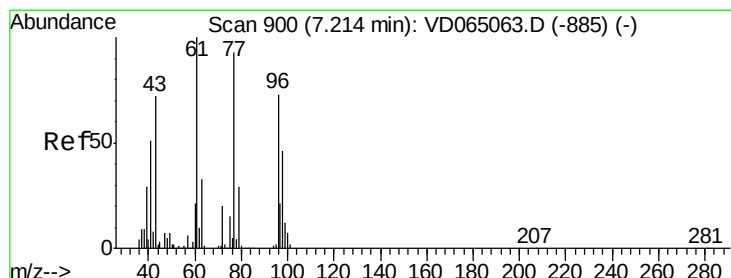
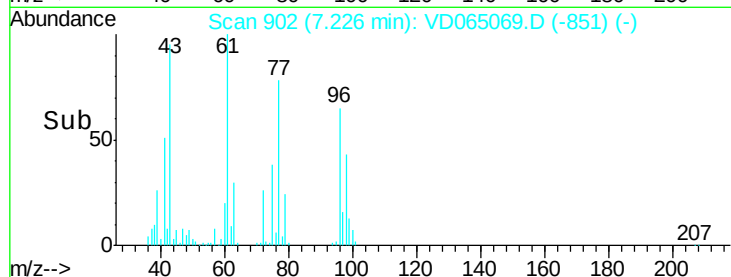
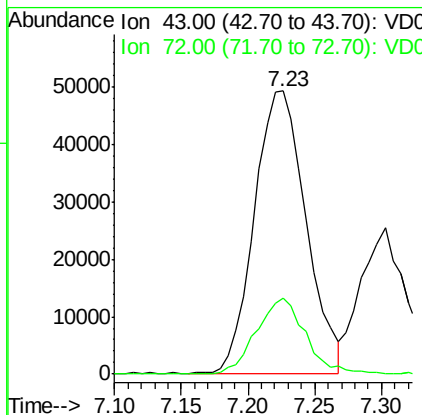
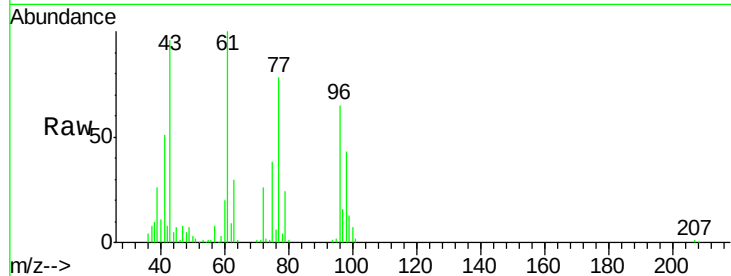
72 27.1 19.9 29.9

Manual Integrations

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MMDadoda

2/6/2020 10:37:31 AM



#26

2,2-Dichloropropane

Concen: 21.073 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065069.D

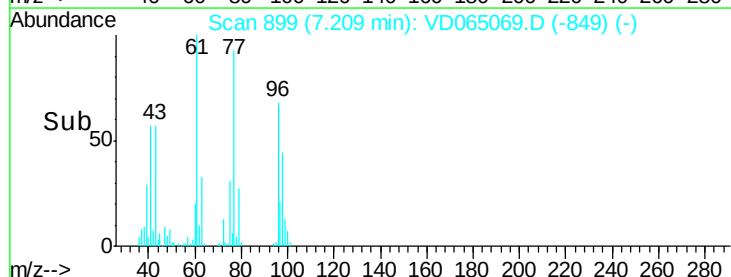
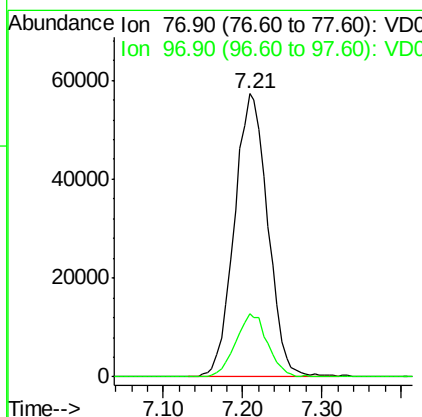
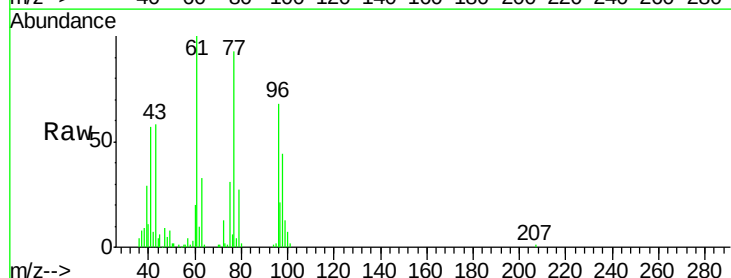
Acq: 05 Feb 2020 17:42

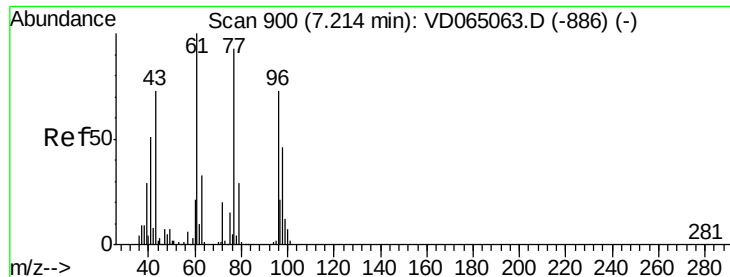
Tgt Ion: 77 Resp: 167216

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6





#27

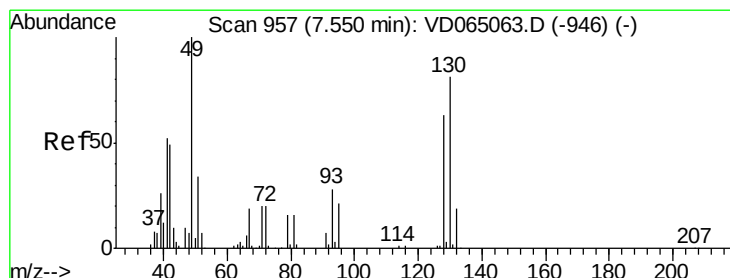
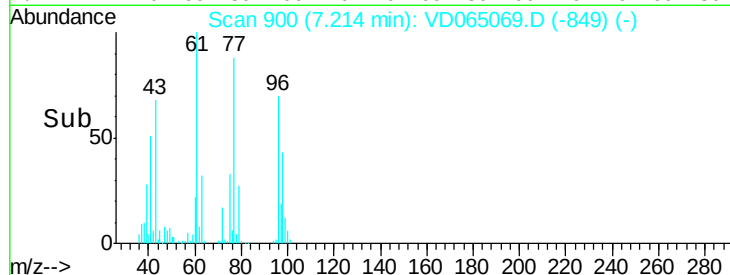
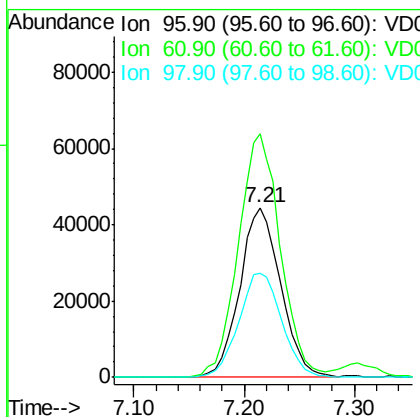
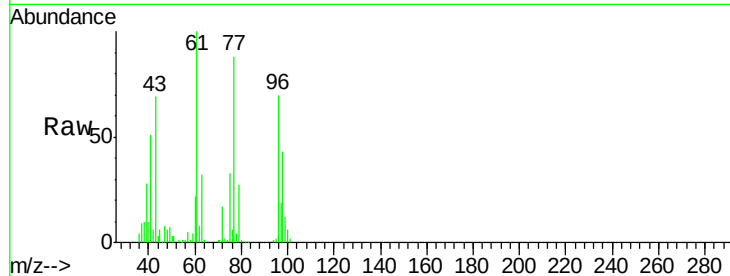
cis-1,2-Dichloroethene
Concen: 20.688 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	292.8
98	64.3	0.0	128.8

Manual Integrations
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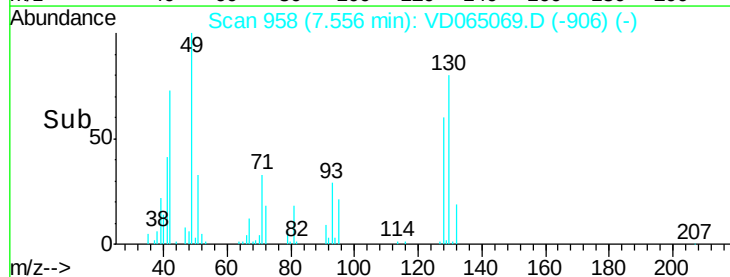
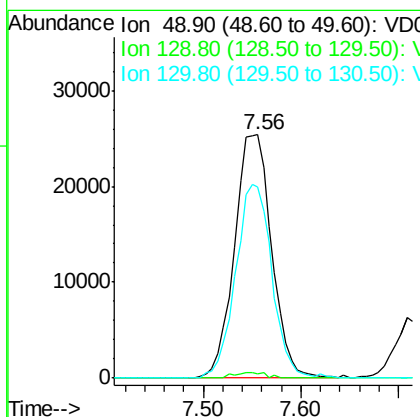
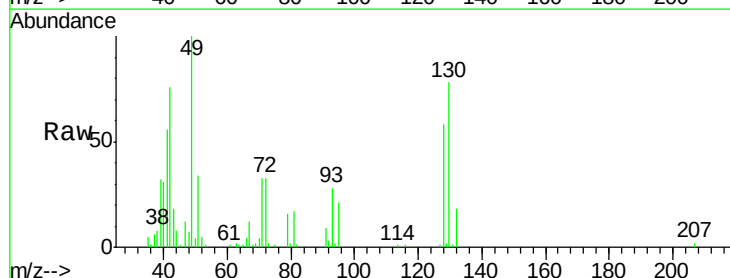
MMDadoda
2/6/2020 10:37:31 AM

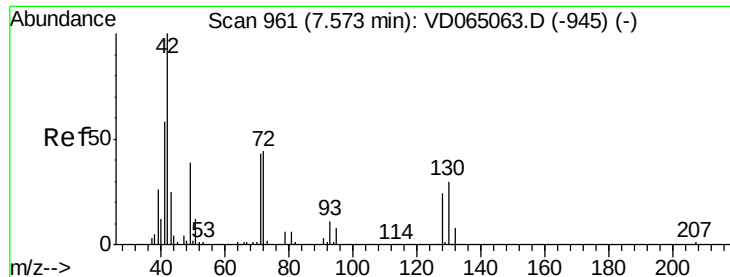


#28

Bromochloromethane
Concen: 20.162 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	77.3	63.8	95.8





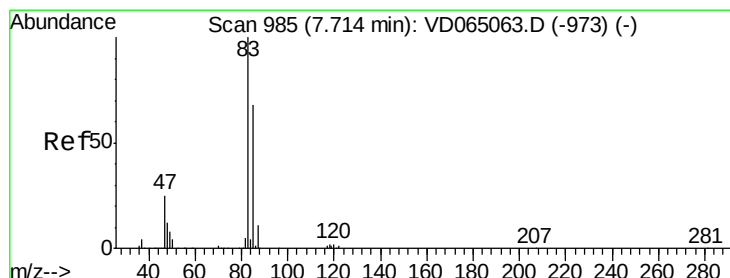
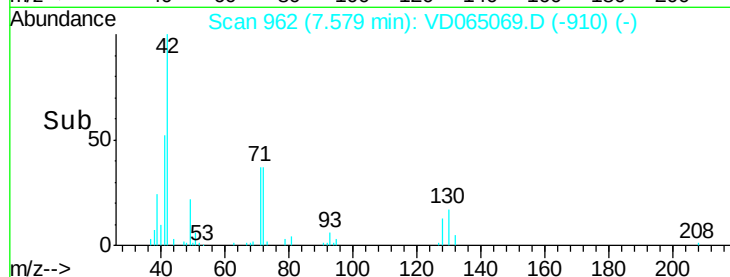
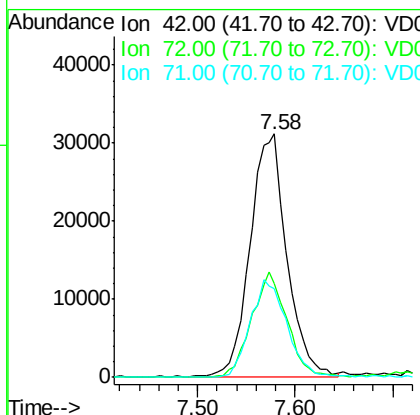
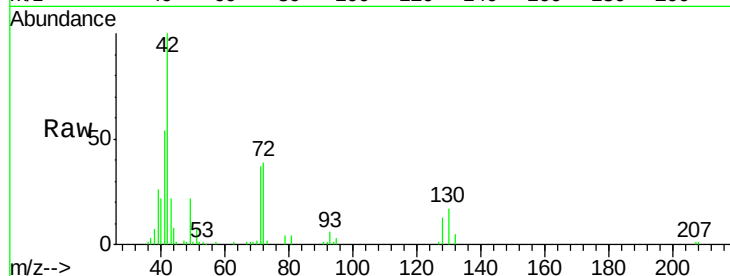
#29
Tetrahydrofuran
Concen: 102.017 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.2	51.4
71	39.7	31.8	47.6

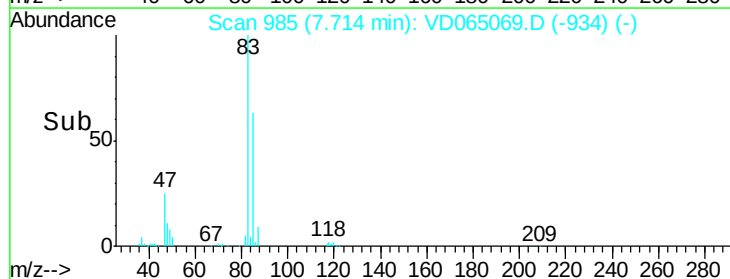
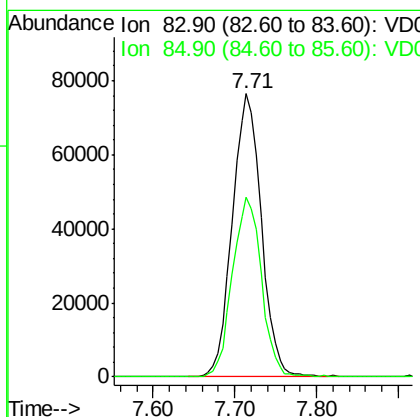
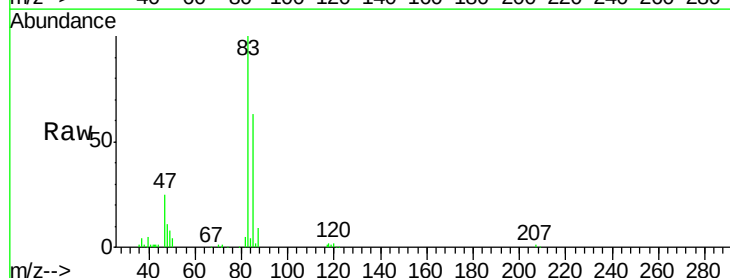
Manual Integrations
APPROVED

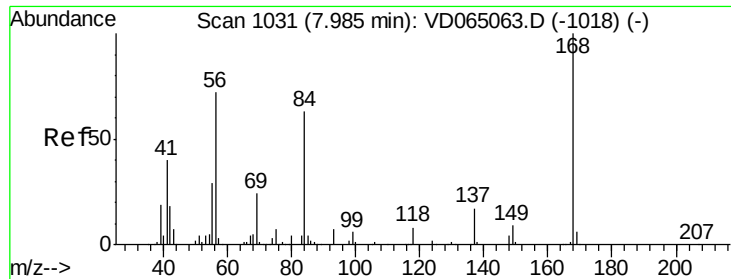
MMDadoda
2/6/2020 10:37:31 AM



#30
Chloroform
Concen: 21.427 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	54.2	81.4





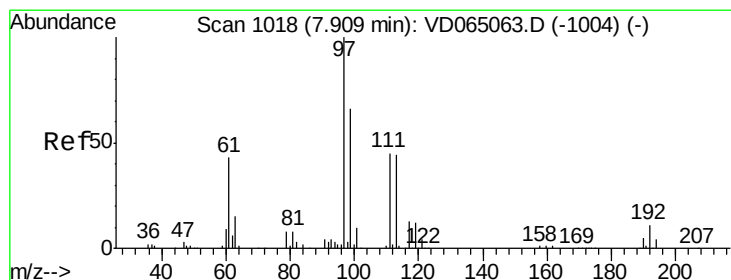
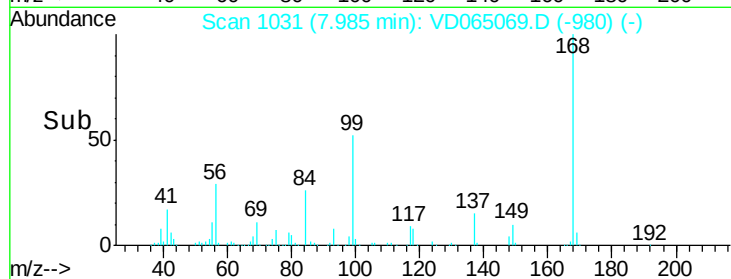
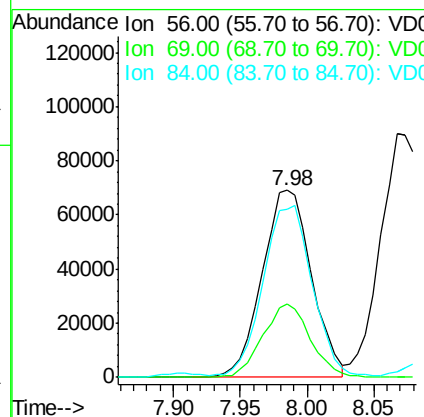
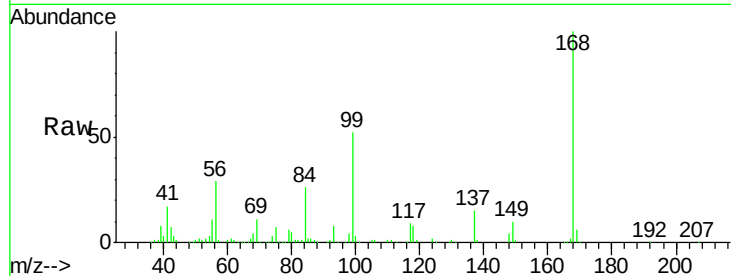
#31
Cyclohexane
Concen: 19.890 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	26.6	40.0
84	88.5	70.6	106.0

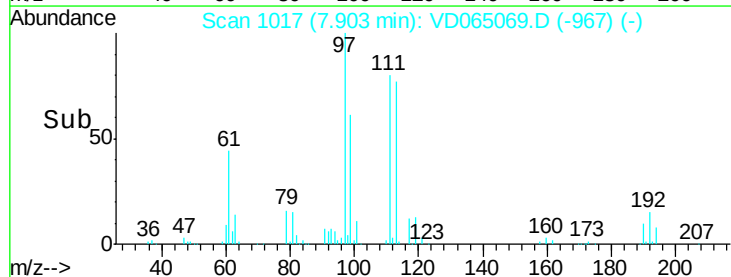
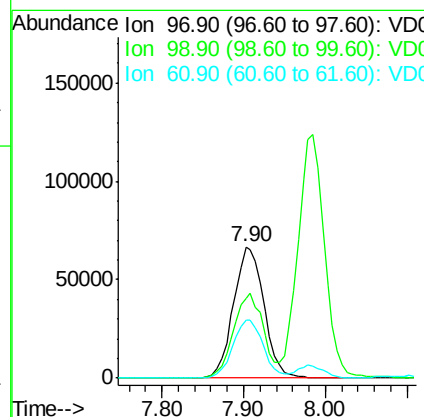
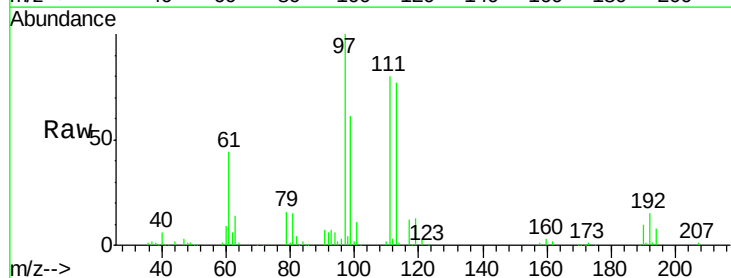
Manual Integrations
APPROVED

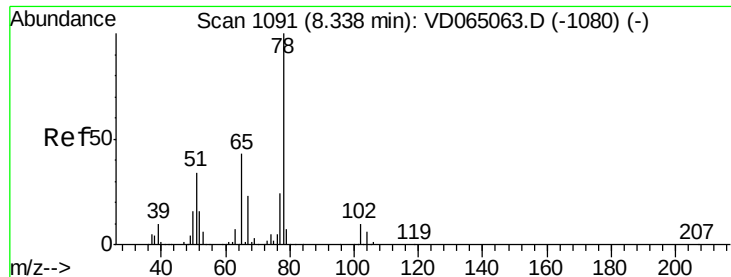
MMDadoda
2/6/2020 10:37:31 AM



#32
1,1,1-Trichloroethane
Concen: 21.076 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	43.7	34.8	52.2





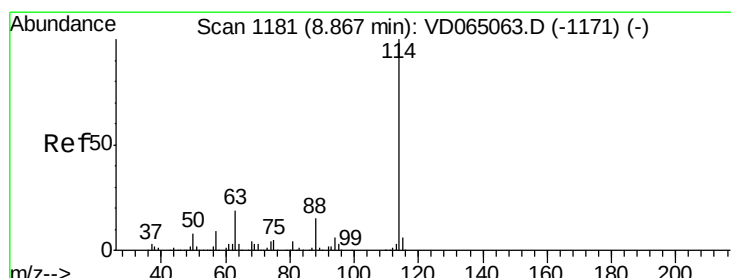
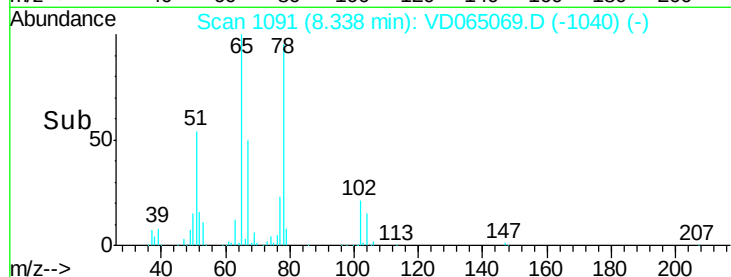
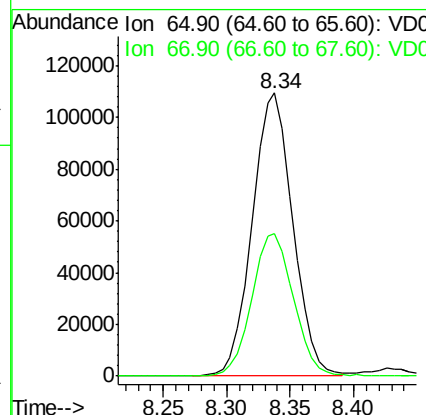
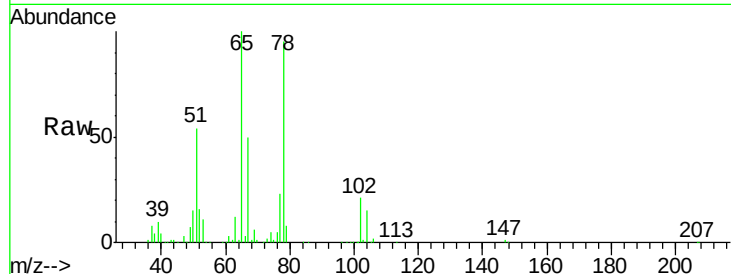
#33
 1,2-Dichloroethane-d4
 Concen: 54.257 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	243734		
67	51.9	0.0	105.8	

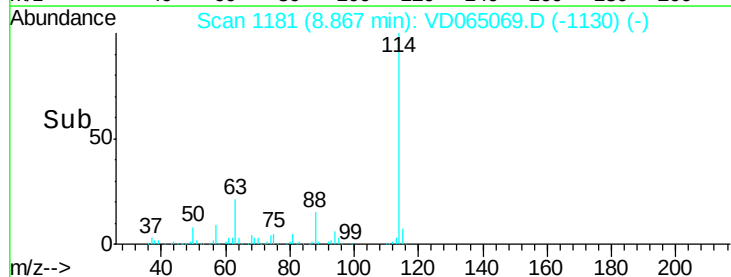
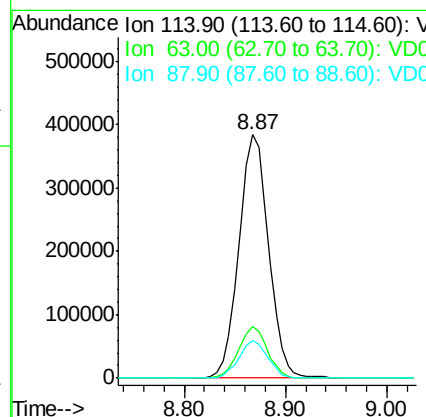
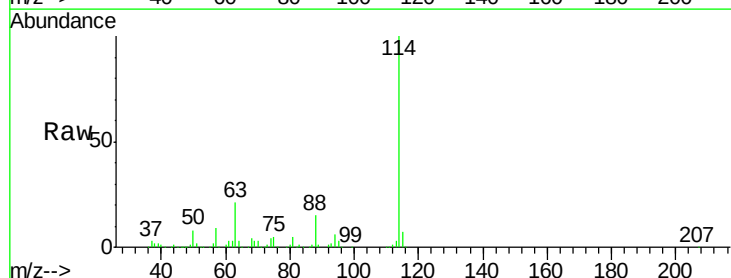
Manual Integrations
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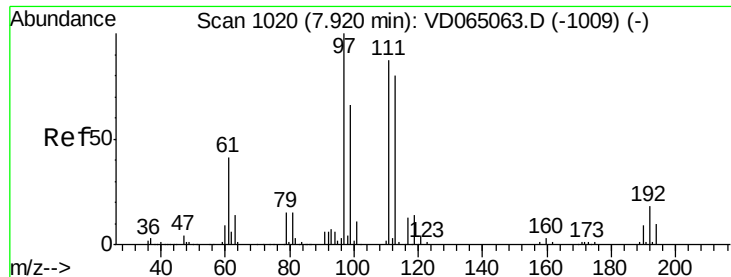
MMDadoda
 2/6/2020 10:37:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	782280		
63	21.2	0.0	38.8	
88	15.3	0.0	29.6	





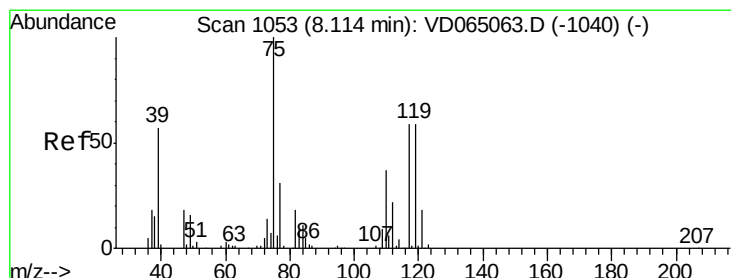
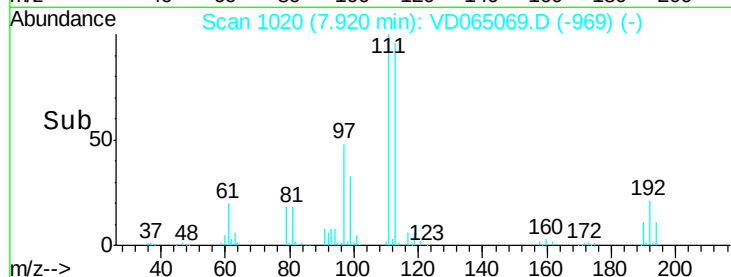
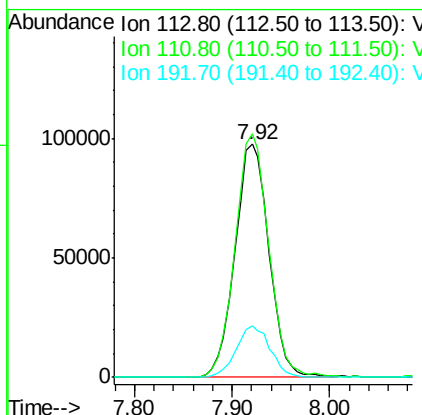
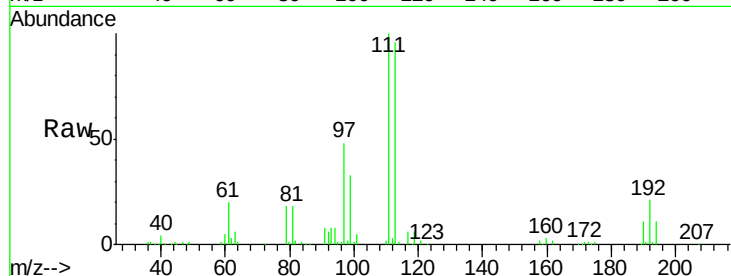
#35
 Dibromofluoromethane
 Concen: 54.224 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	236667		
111	103.1	83.1	124.7	
192	22.0	18.1	27.1	

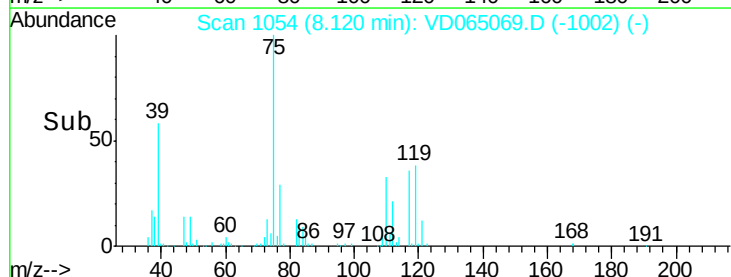
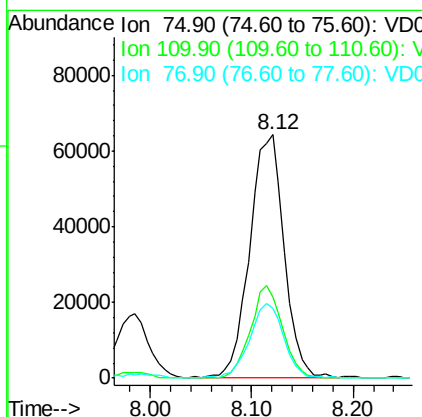
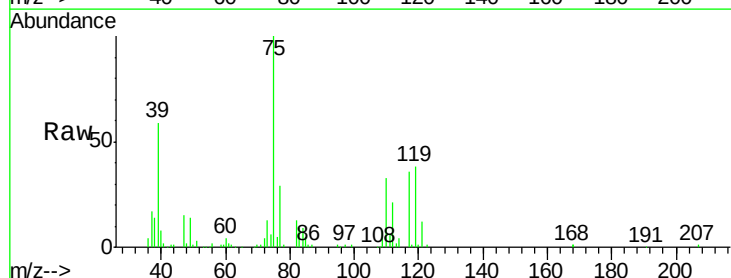
Manual Integrations
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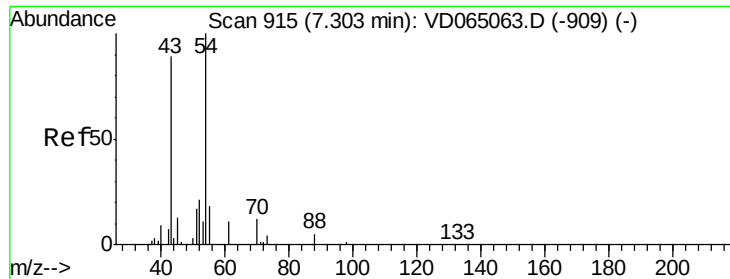
MMDadoda
 2/6/2020 10:37:31 AM



#36
 1,1-Dichloropropene
 Concen: 21.012 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152844		
110	35.2	18.1	54.3	
77	30.4	24.7	37.1	





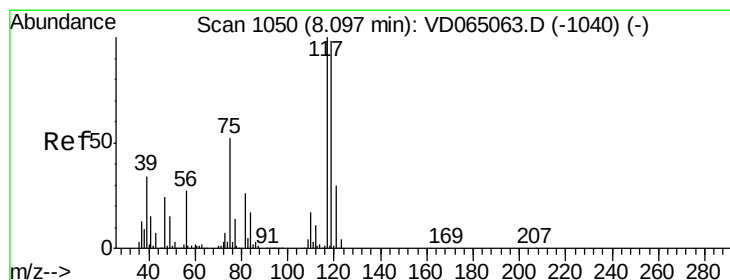
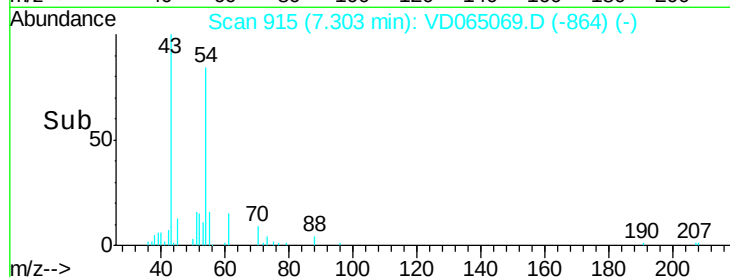
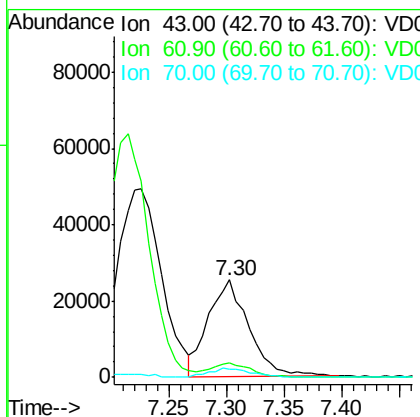
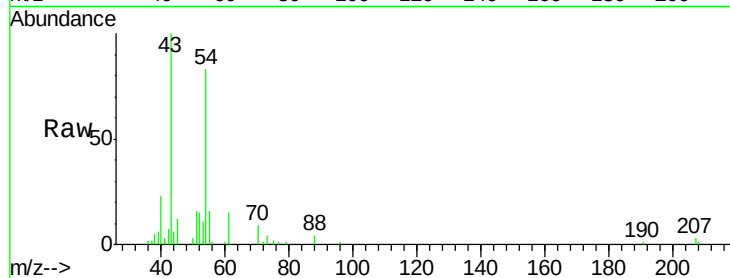
#37
Ethyl Acetate
Concen: 20.821 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.0	16.4
70	9.7	8.2	12.2

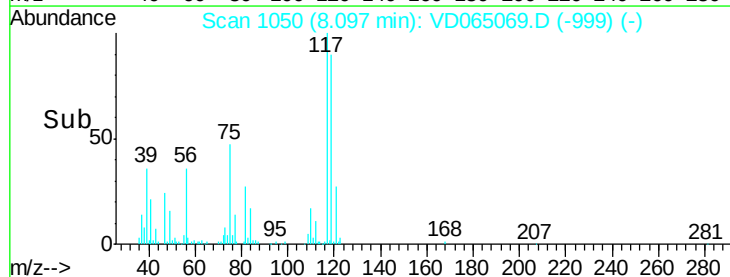
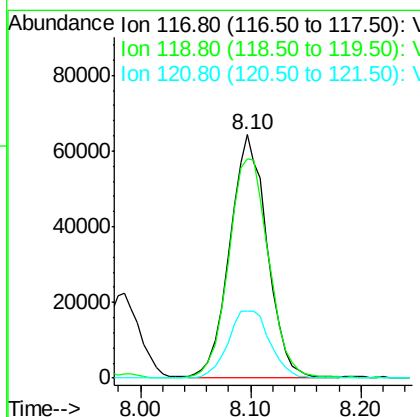
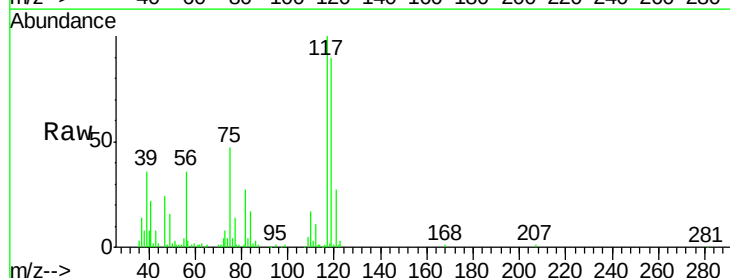
Manual Integrations
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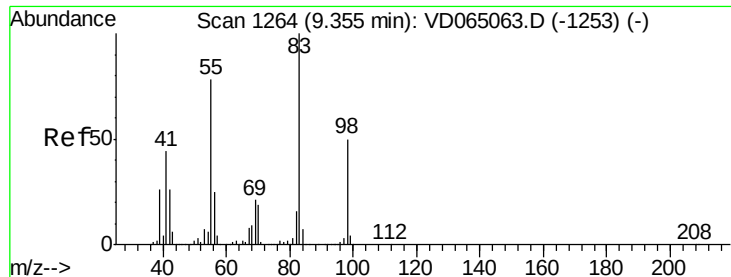
MMDadoda
2/6/2020 10:37:31 AM



#38
Carbon Tetrachloride
Concen: 20.368 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.7	78.5	117.7
121	27.4	23.8	35.6





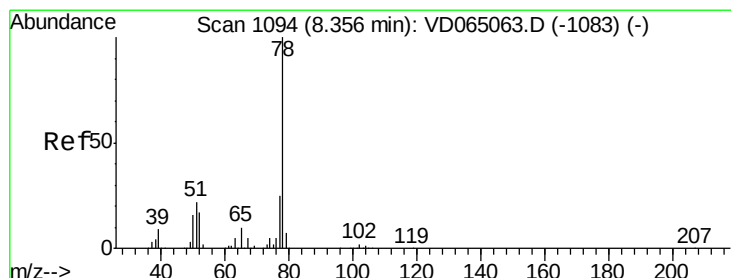
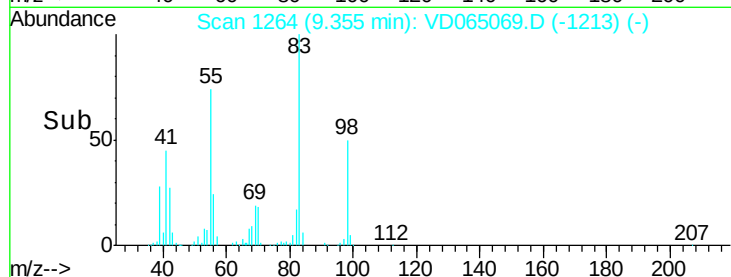
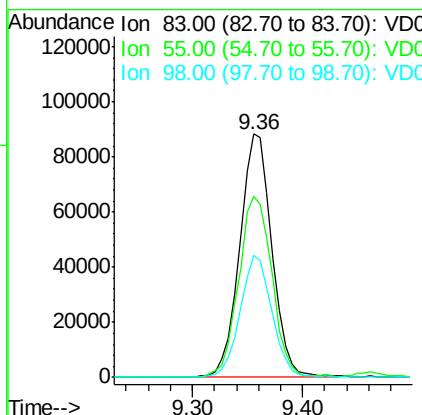
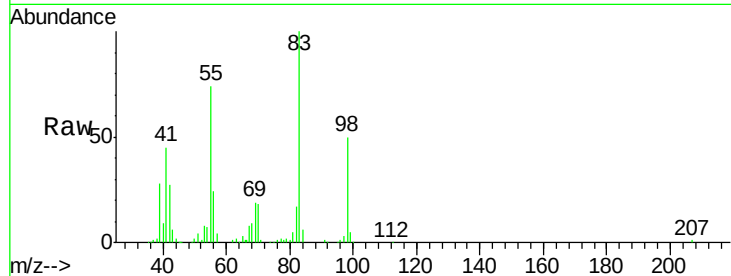
#39
Methylvlcyclohexane
Concen: 20.123 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.4	62.0	93.0	
98	50.0	39.9	59.9	

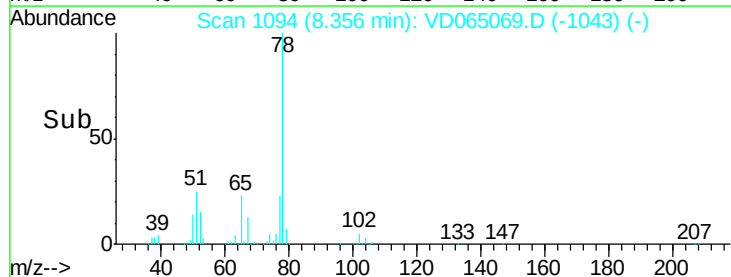
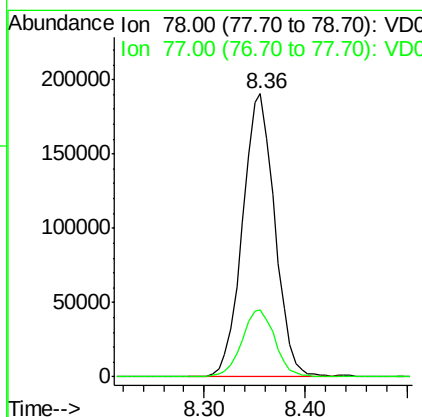
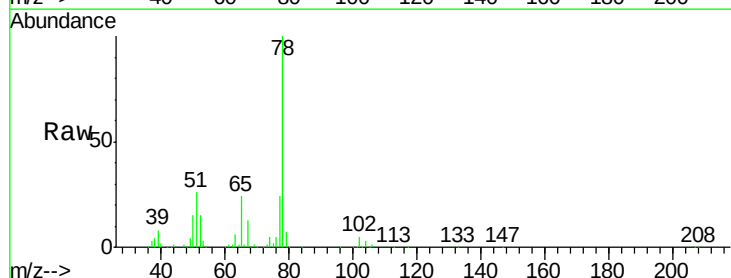
Manual Integrations
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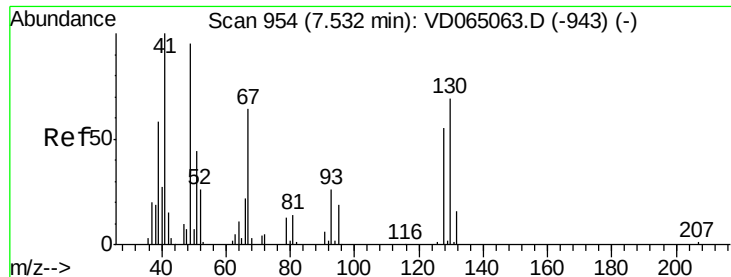
MMDadoda
2/6/2020 10:37:31 AM



#40
Benzene
Concen: 20.972 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.6	29.4	





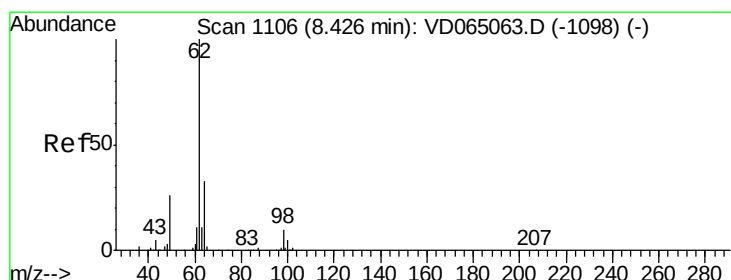
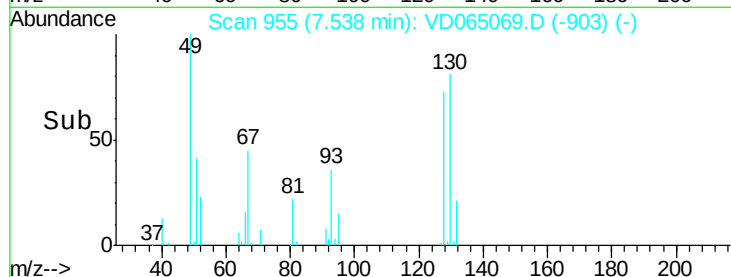
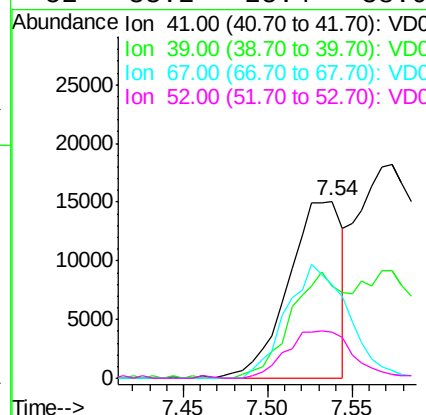
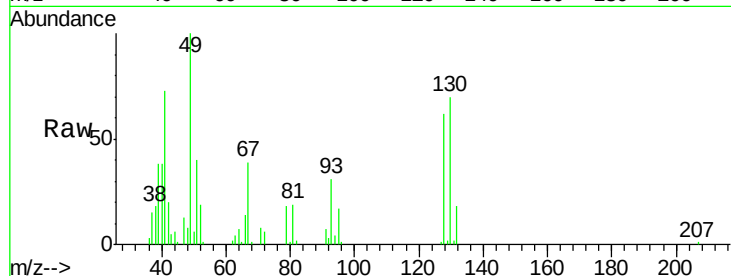
#41
Methacrylonitrile
Concen: 20.438 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ion	Ratio	Lower	Upper
33461	41	100		
	39	62.9	55.4	83.0
	67	73.2	59.0	88.6
	52	33.2	25.4	38.0

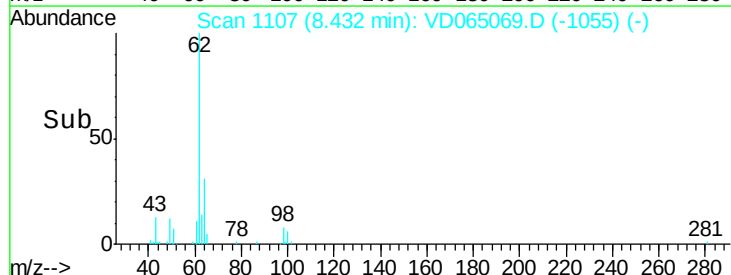
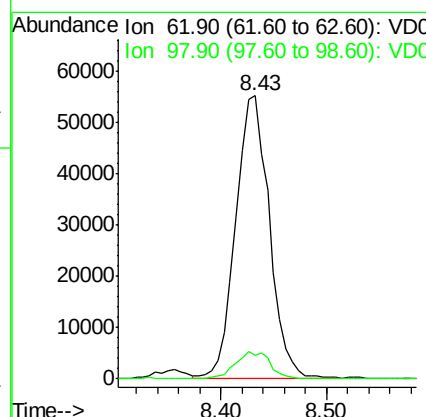
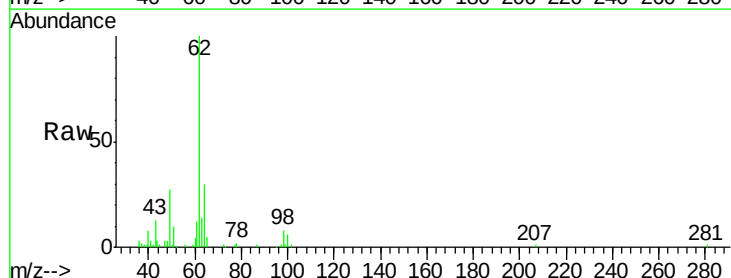
Manual Integrations
APPROVED

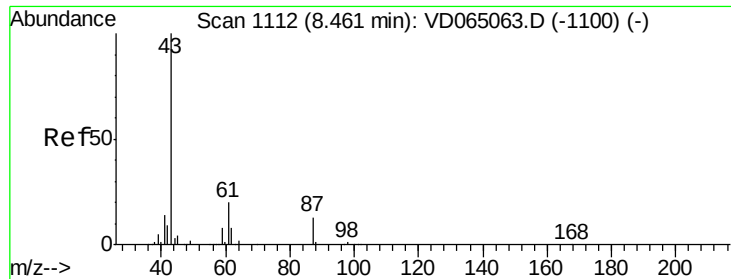
MMDadoda
2/6/2020 10:37:31 AM



#42
1,2-Dichloroethane
Concen: 21.204 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ion	Ratio	Lower	Upper
121359	62	100		
	98	9.8	0.0	18.6





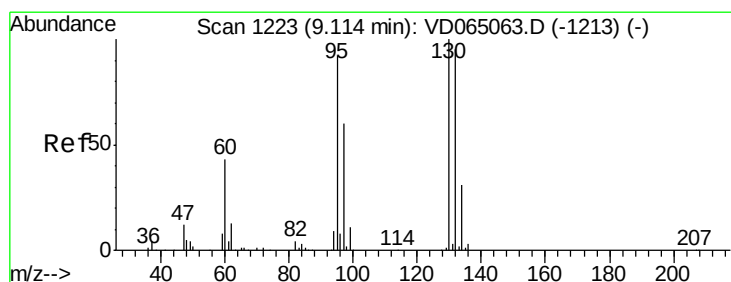
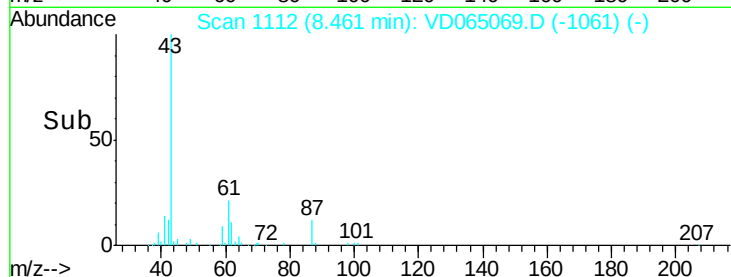
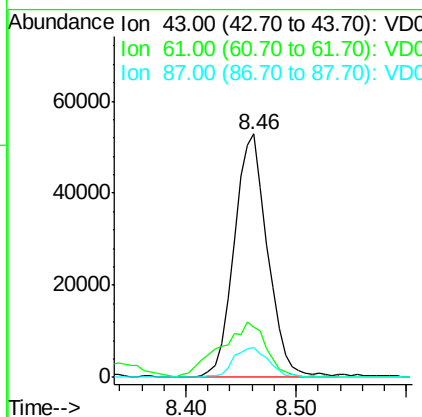
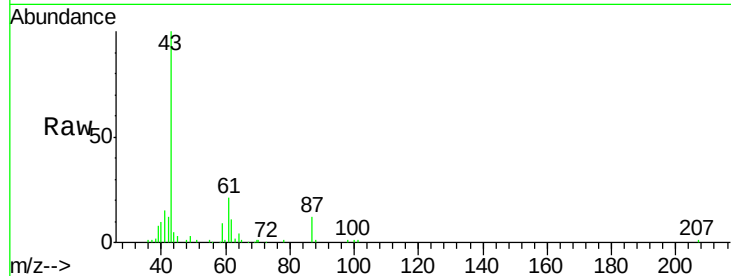
#43
Isopropyl Acetate
Concen: 19.792 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.0	36.0
87	13.0	10.2	15.4

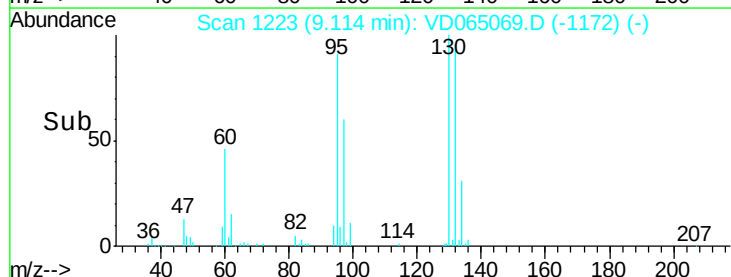
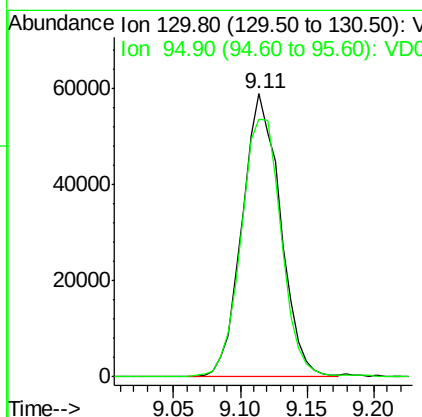
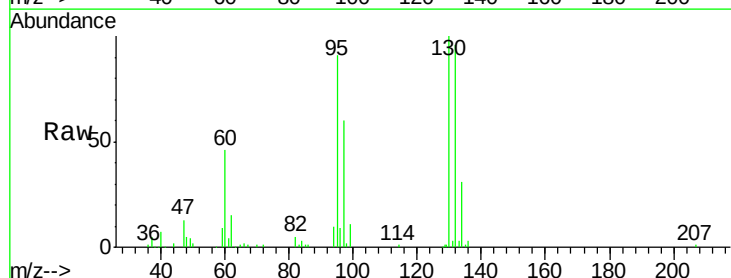
Manual Integrations
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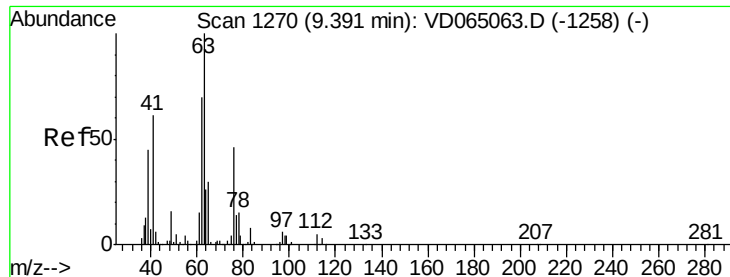
MMDadoda
2/6/2020 10:37:31 AM



#44
Trichloroethene
Concen: 20.299 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	185.0





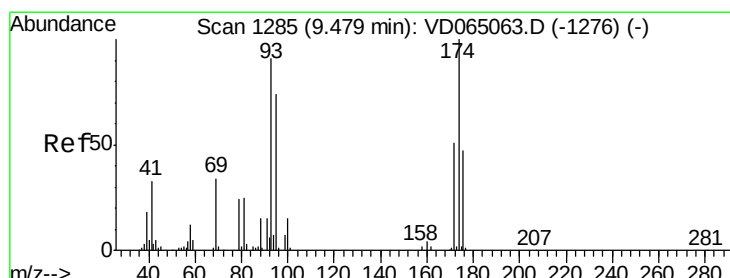
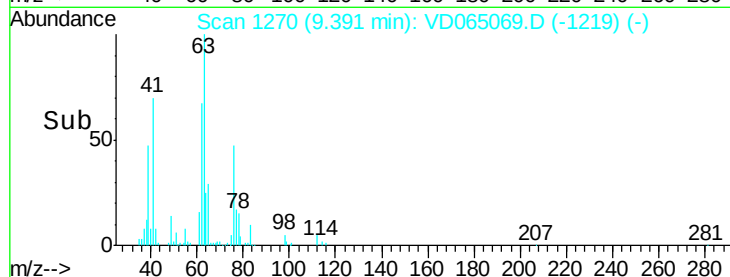
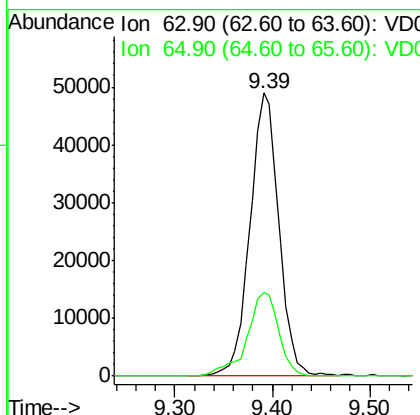
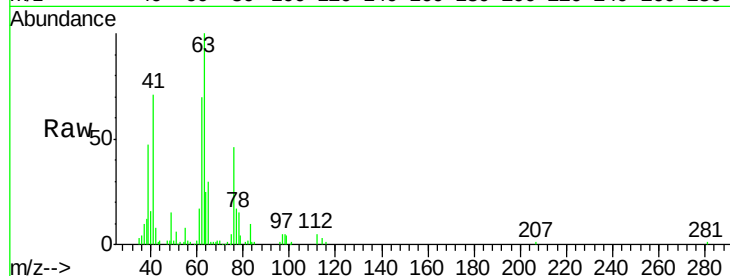
#45
 1,2-Dichloropropane
 Concen: 21.205 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	23.9	35.9

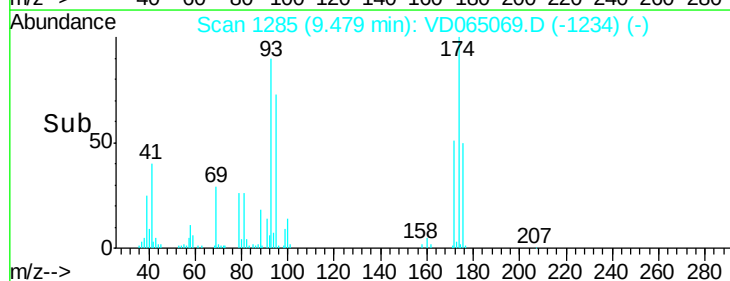
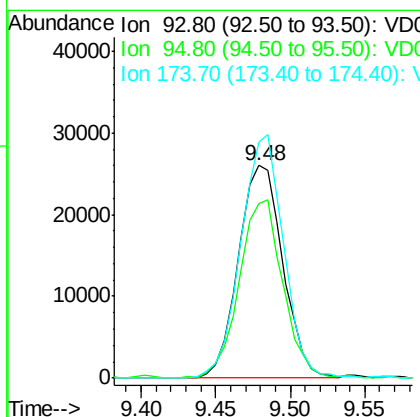
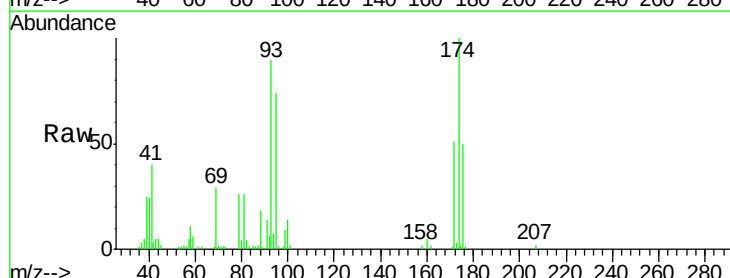
Manual Integrations
 APPROVED

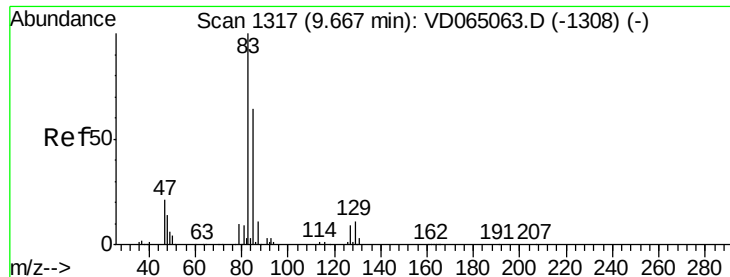
MMDadoda
 2/6/2020 10:37:31 AM



#46
 Dibromomethane
 Concen: 21.209 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.5	99.7
174	109.6	89.8	134.8





#47

Bromodichloromethane

Concen: 21.461 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

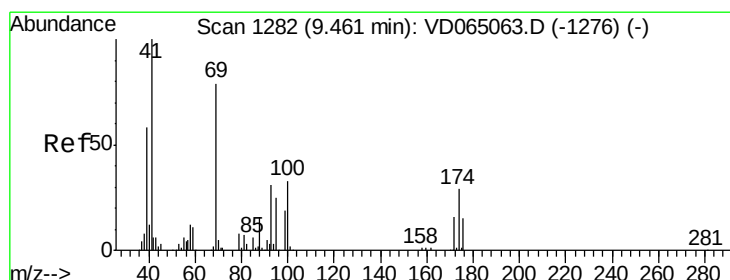
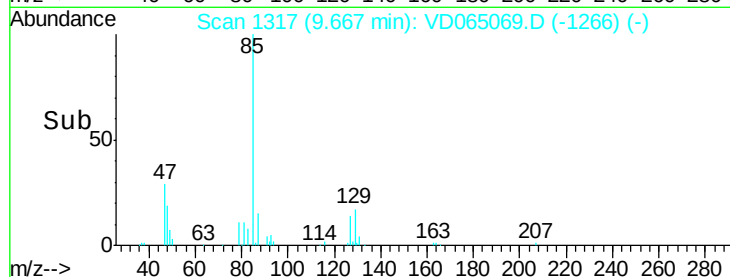
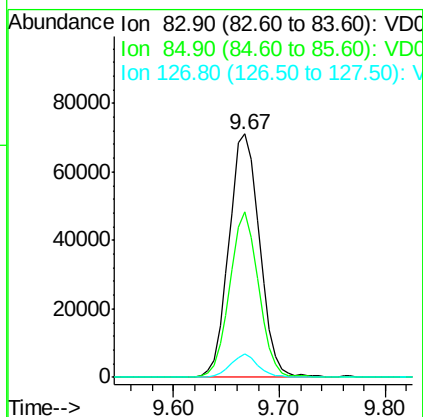
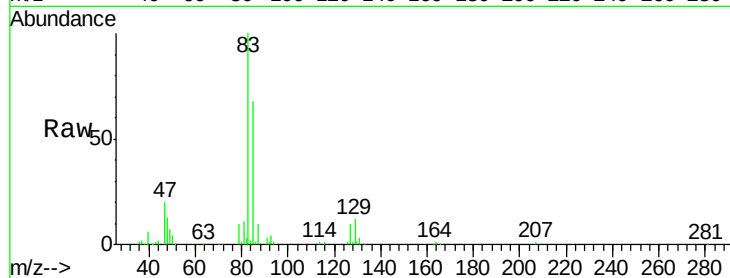
ClientSampleId :

VD0205SBS01

Tot Ion:	83	Resp:	143107
Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.0	76.6
127	9.5	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
2/6/2020 10:37:31 AM



#48

Methyl methacrylate

Concen: 20.198 ug/l

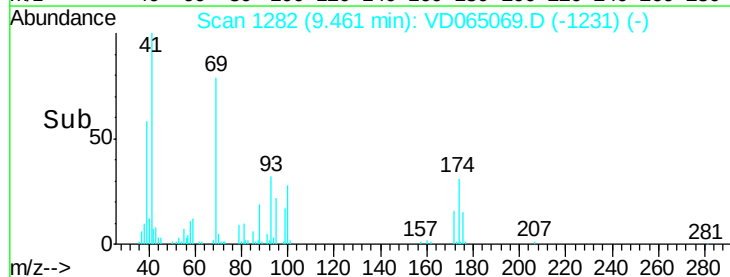
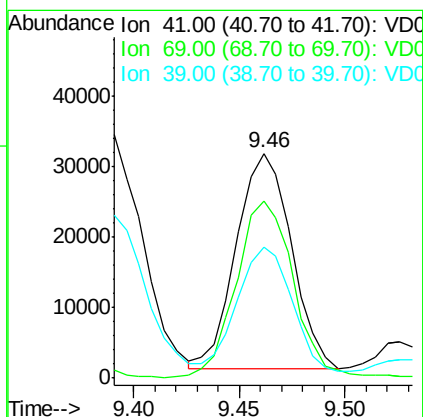
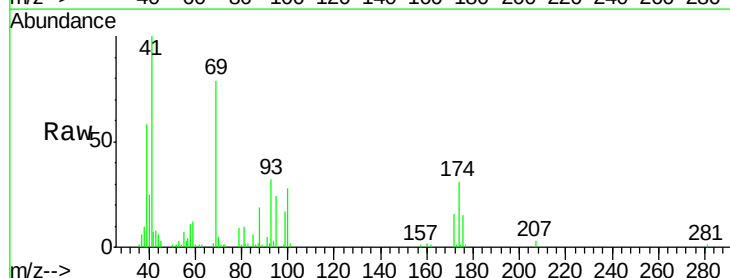
RT: 9.46 min Scan# 1282

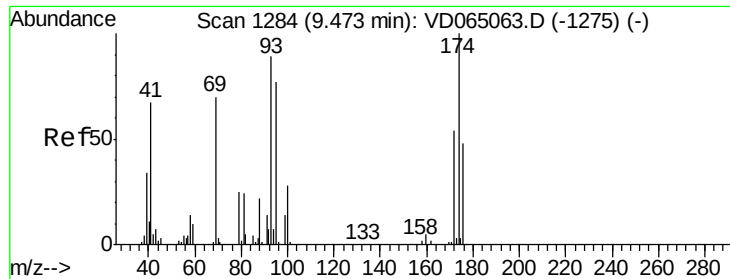
Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tgt Ion:	41	Resp:	55252
Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.5	101.3
39	56.7	47.0	70.4





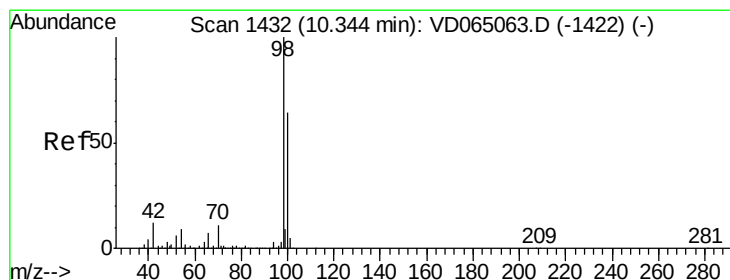
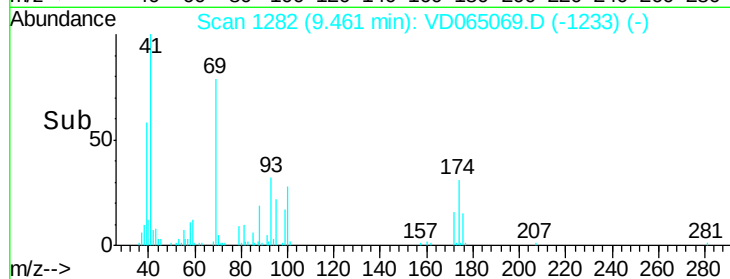
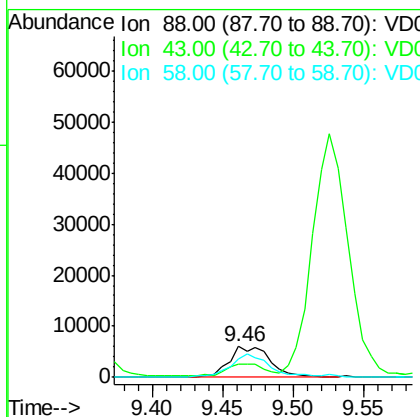
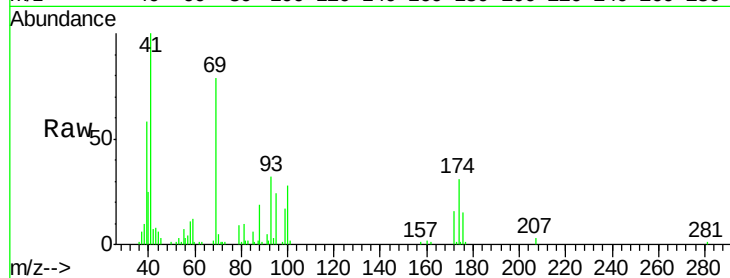
#49
1,4-Dioxane
Concen: 420.154 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBSD01

Tot Ion	88	Resp	12594
Ion	Ratio	Lower	Upper
88	100		
43	37.3	27.7	41.5
58	73.4	55.5	83.3

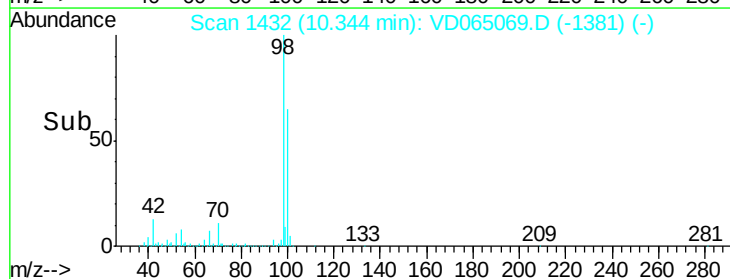
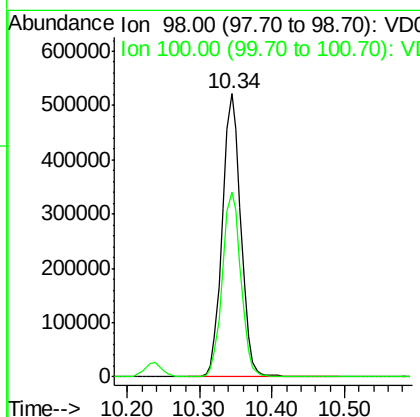
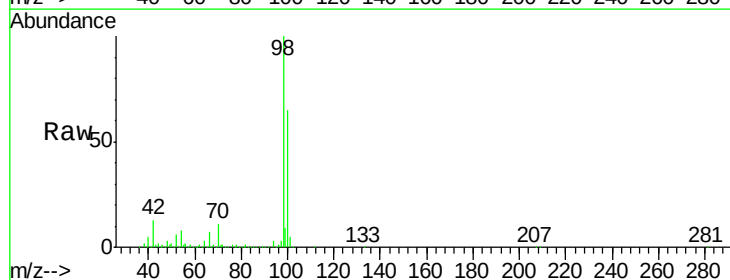
Manual Integrations
APPROVED

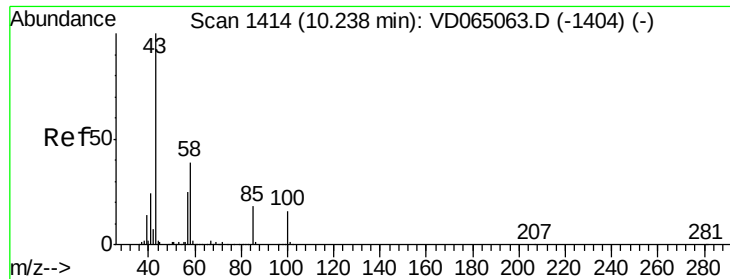
MMDadoda
2/6/2020 10:37:31 AM



#50
Toluene-d8
Concen: 53.478 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	98	Resp	929046
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 101.563 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS001

Tot Ion: 43 Resp: 284180

Ion Ratio Lower Upper

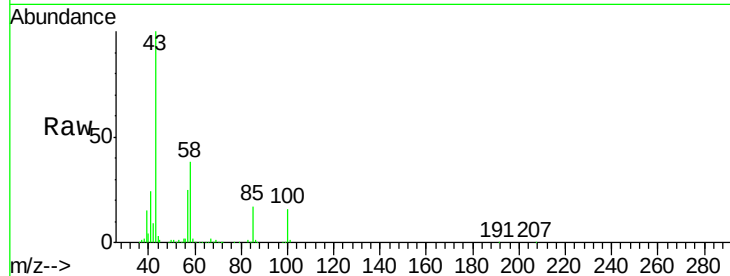
43 100

58 38.6 30.2 45.2

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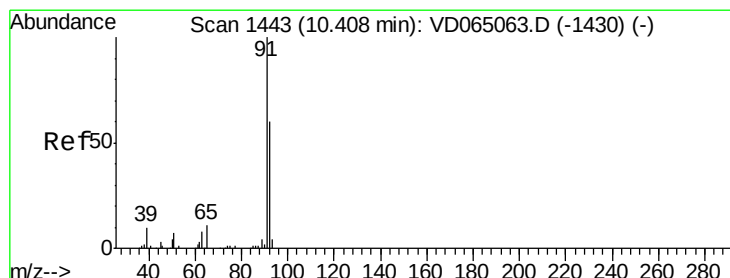
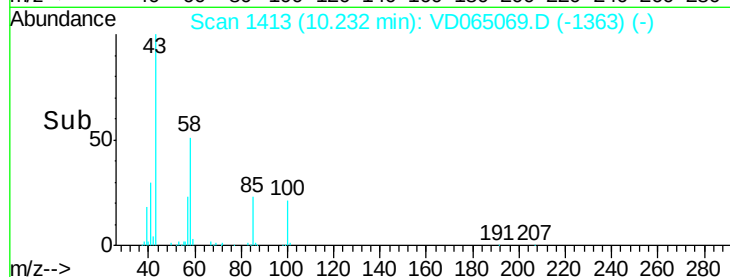
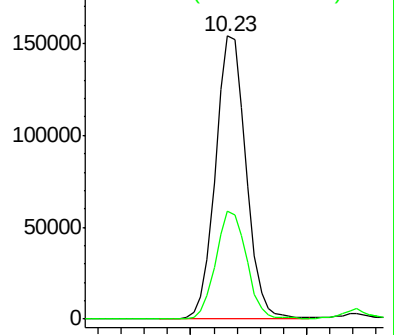
MMDadoda

2/6/2020 10:37:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.847 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065069.D

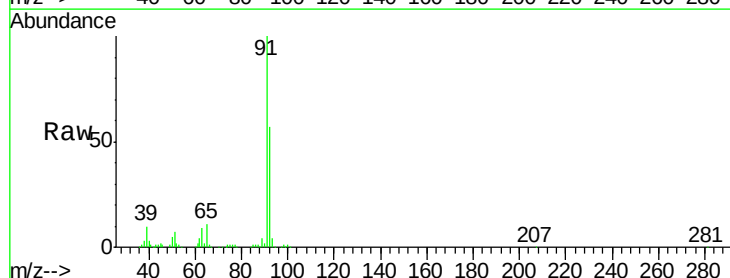
Acq: 05 Feb 2020 17:42

Tgt Ion: 92 Resp: 267267

Ion Ratio Lower Upper

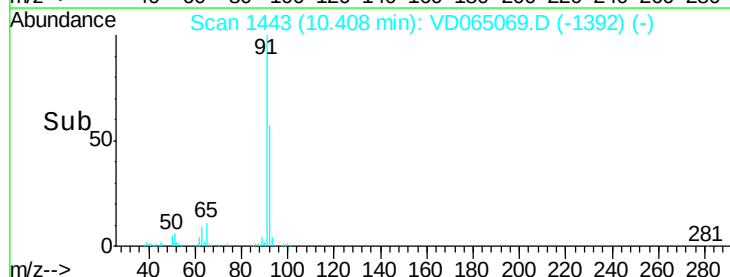
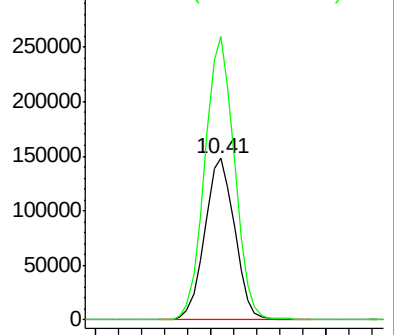
92 100

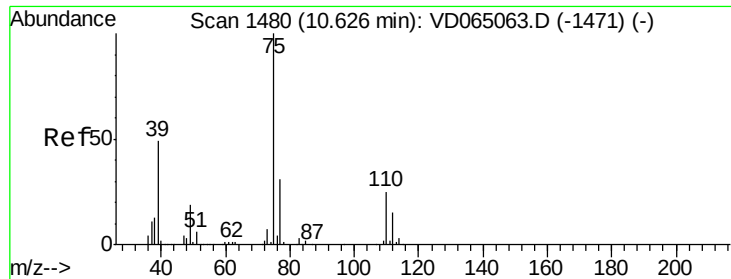
91 173.4 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.607 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 75 Resp: 133790

Ion Ratio Lower Upper

75 100

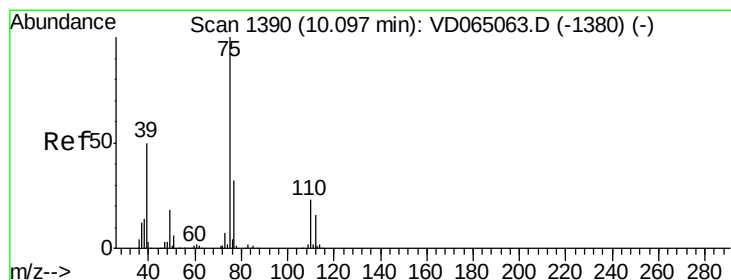
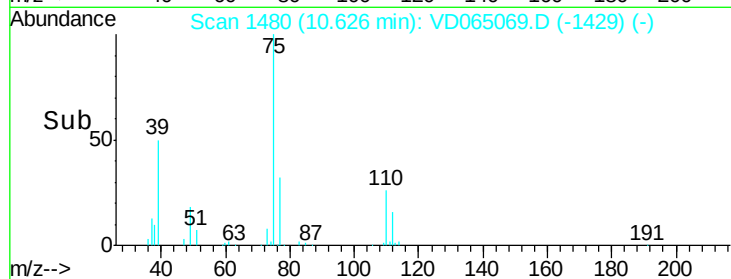
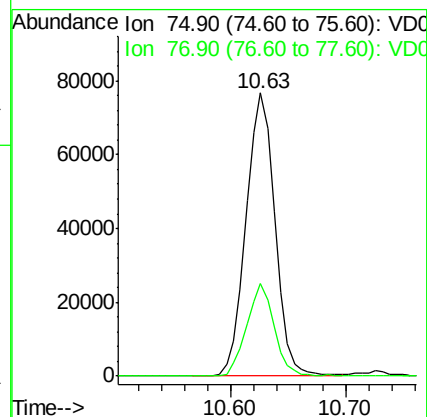
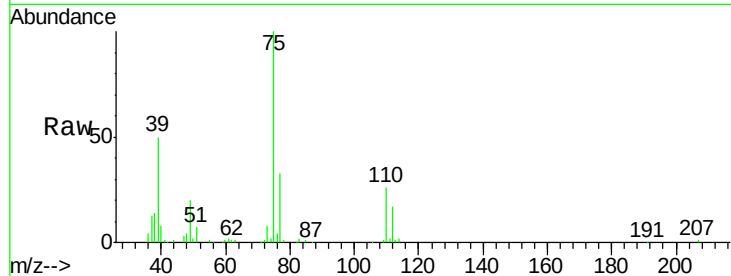
77 32.7 24.9 37.3

Manual Integrations

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2/6/2020 10:37:31 AM



#54

cis-1,3-Dichloropropene

Concen: 20.951 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

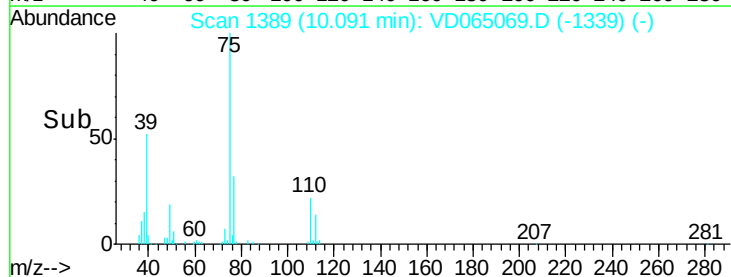
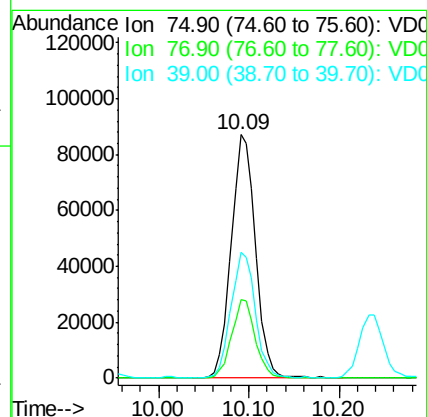
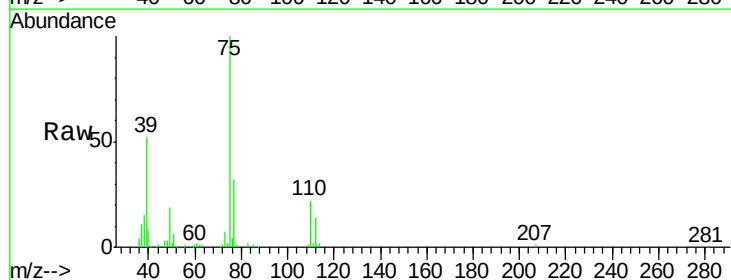
Tgt Ion: 75 Resp: 162685

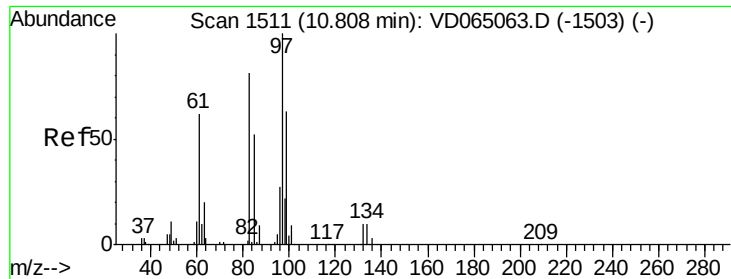
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 51.5 40.3 60.5





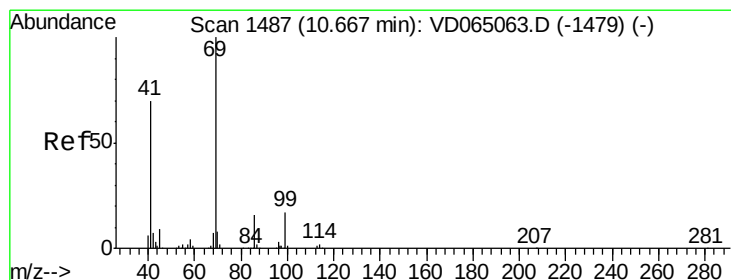
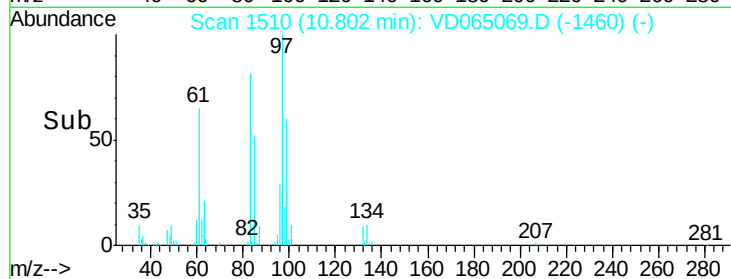
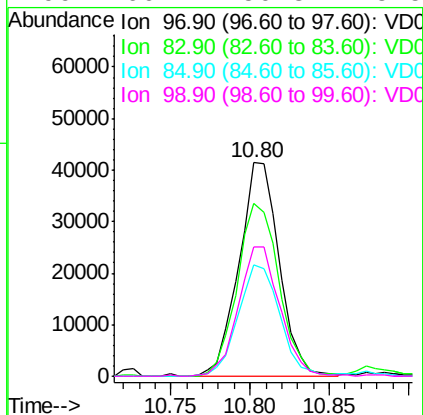
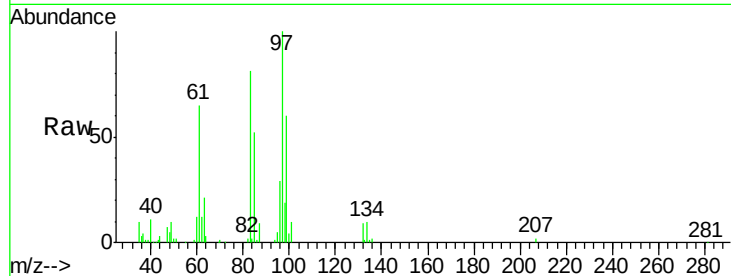
#55
 1,1,2-Trichloroethane
 Concen: 21.099 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBSD01

Tot Ion:	97	Resp:	73240
Ion	Ratio	Lower	Upper
97	100		
83	80.9	64.8	97.2
85	52.0	41.2	61.8
99	60.4	50.3	75.5

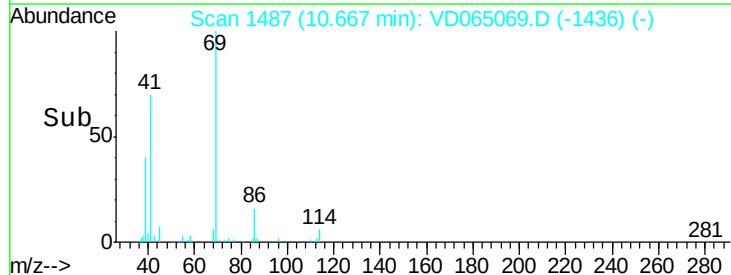
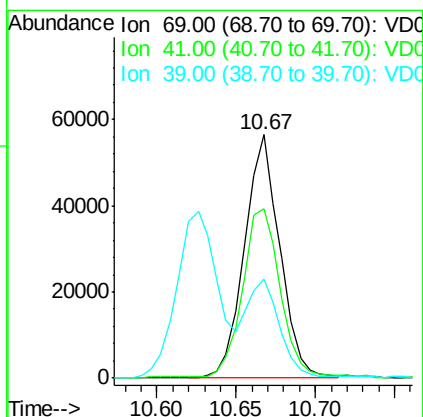
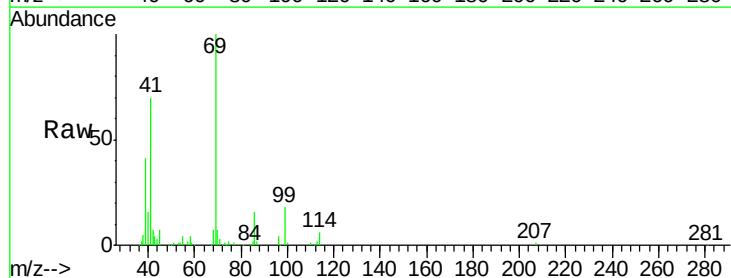
Manual Integrations
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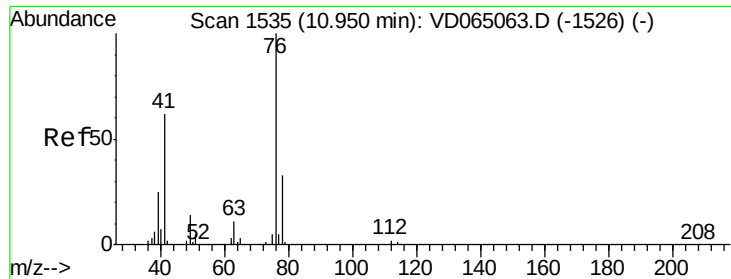
MMDadoda
 2/6/2020 10:37:31 AM



#56
 Ethyl methacrylate
 Concen: 19.907 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion:	69	Resp:	87432
Ion	Ratio	Lower	Upper
69	100		
41	73.9	55.9	83.9
39	37.6	29.4	44.0





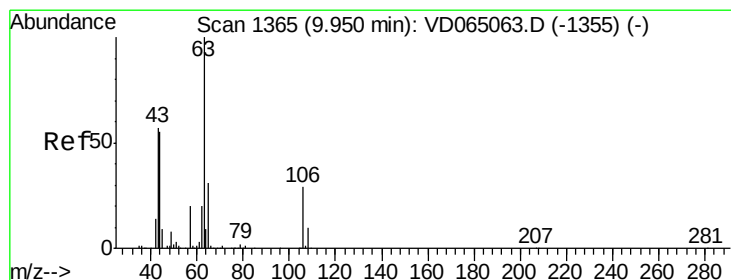
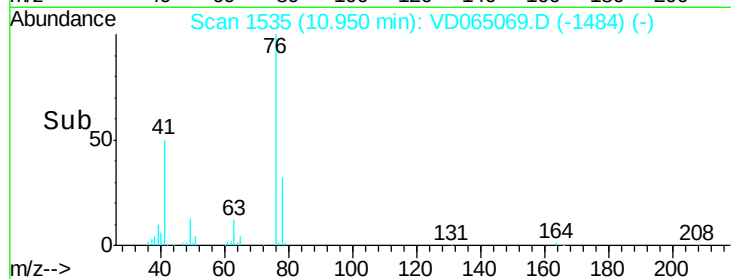
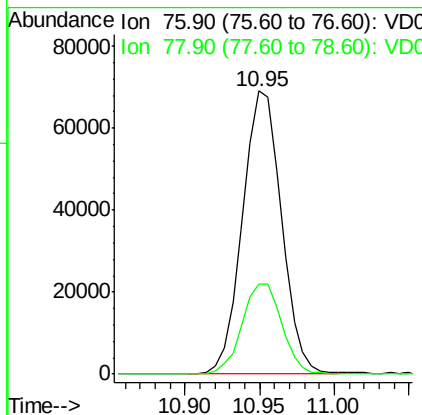
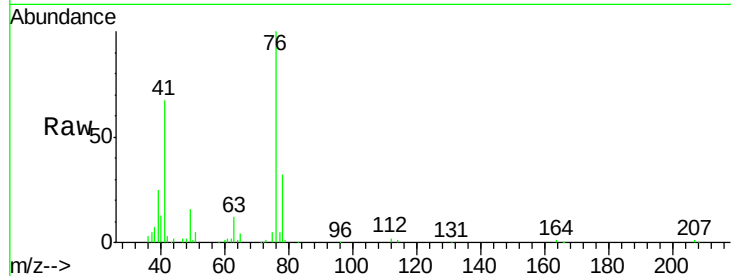
#57
 1,3-Dichloropropane
 Concen: 20.482 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

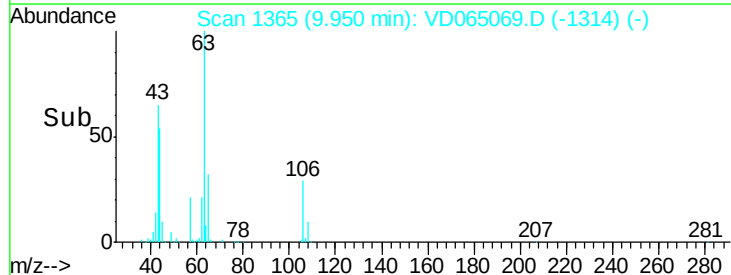
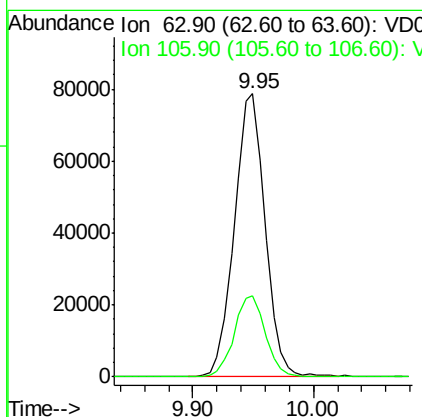
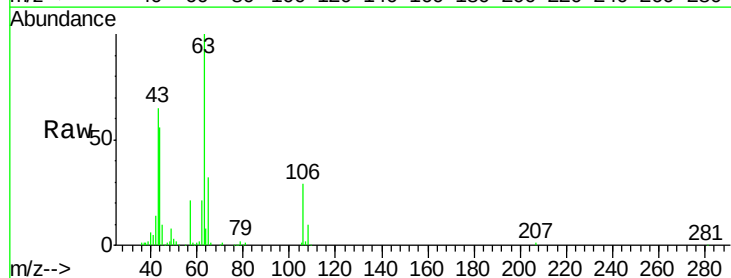
Manual Integrations
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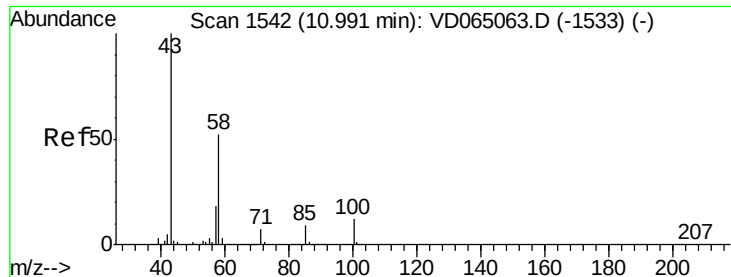
MMDadoda
 2/6/2020 10:37:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.321 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.3	34.9





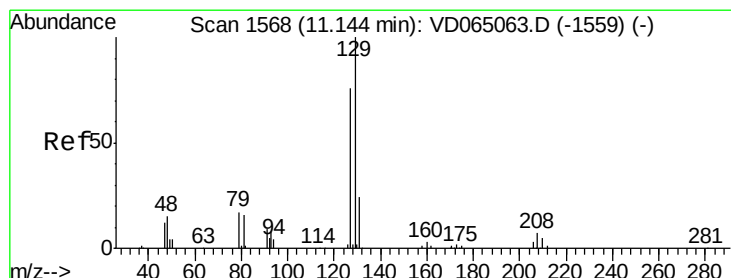
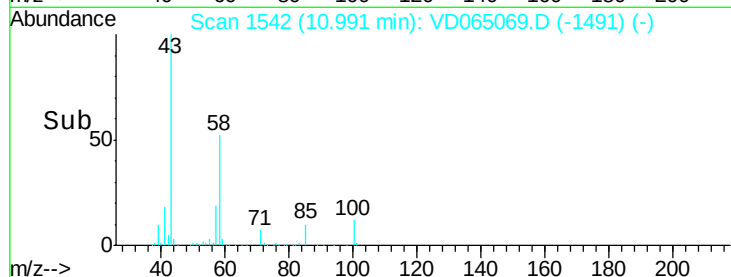
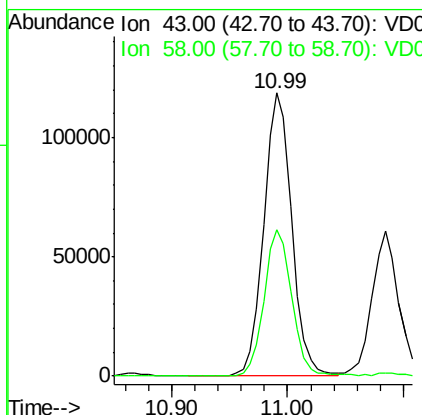
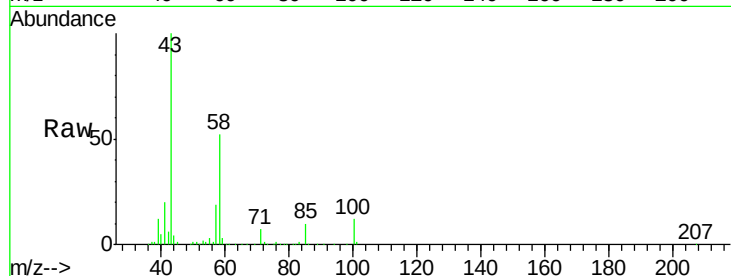
#59
2-Hexanone
Concen: 101.236 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion: 43 Resp: 200644
Ion Ratio Lower Upper
43 100
58 51.5 26.2 78.6

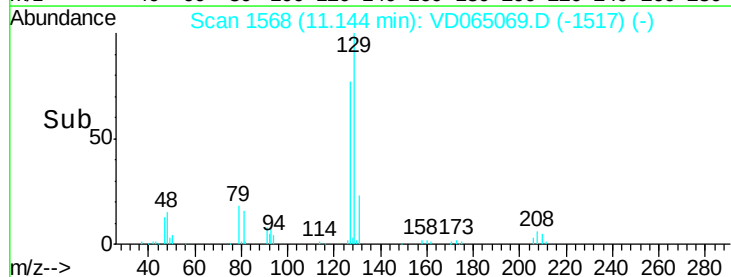
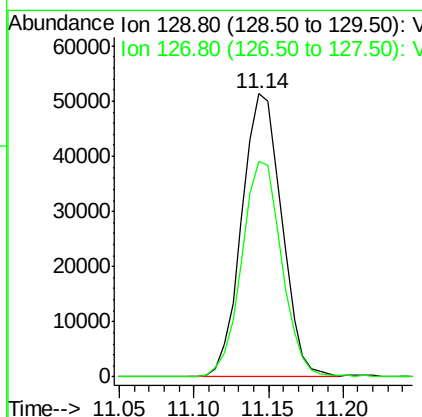
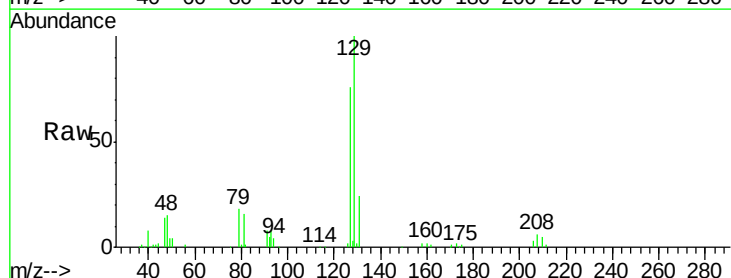
Manual Integrations
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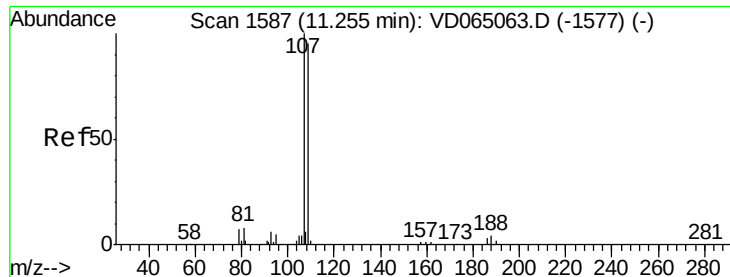
MMDadoda
2/6/2020 10:37:31 AM



#60
Dibromochloromethane
Concen: 21.223 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion:129 Resp: 95420
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.9





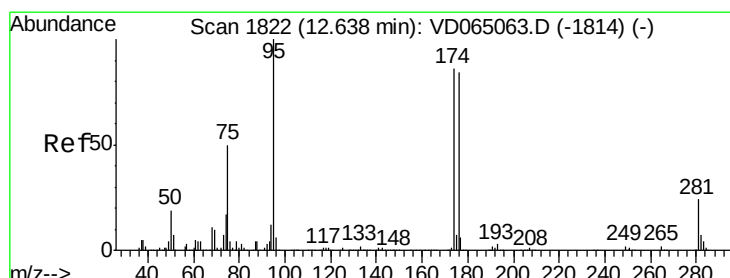
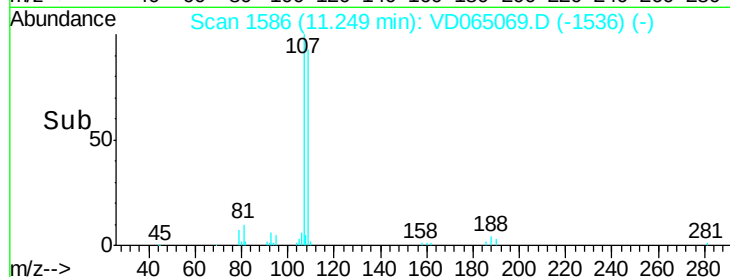
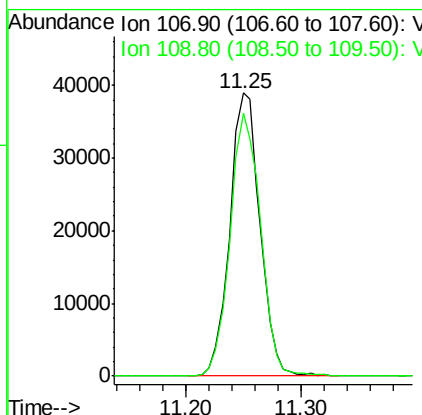
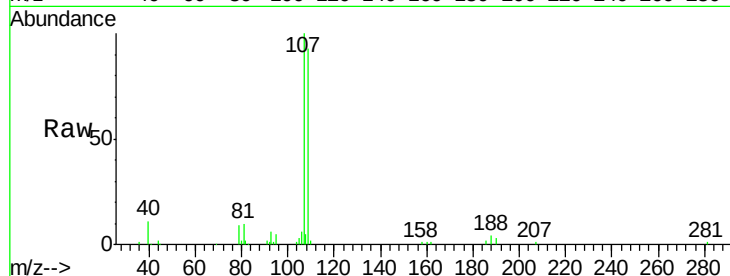
#61
 1,2-Dibromoethane
 Concen: 20.758 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion: 107 Resp: 70407
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.5 113.3

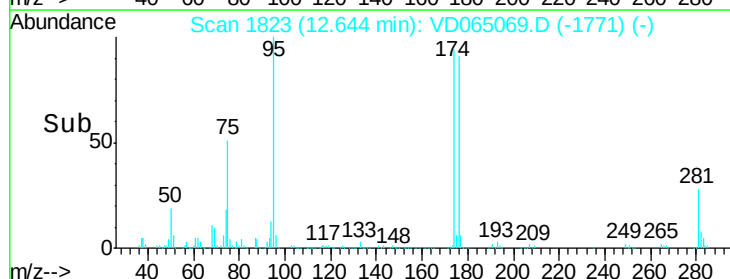
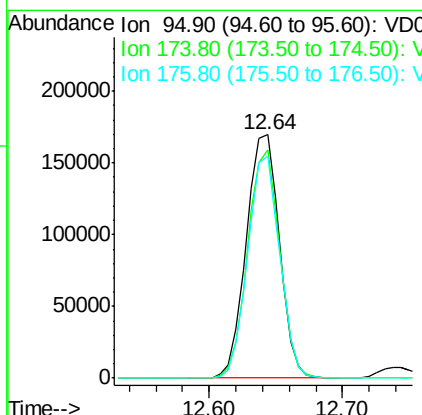
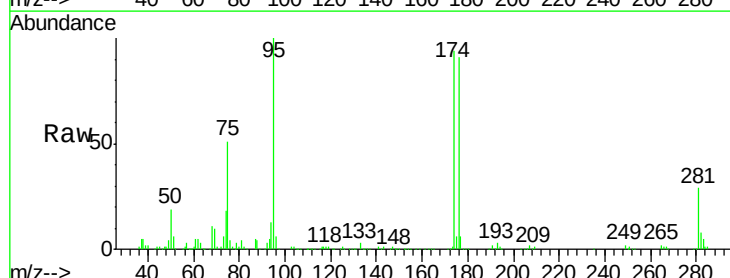
Manual Integrations
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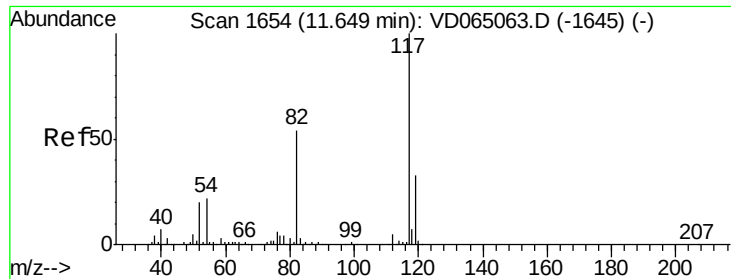
MMDadoda
 2/6/2020 10:37:31 AM



#62
 4-Bromofluorobenzene
 Concen: 52.707 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion: 95 Resp: 290137
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 180.0
 176 88.3 0.0 173.2





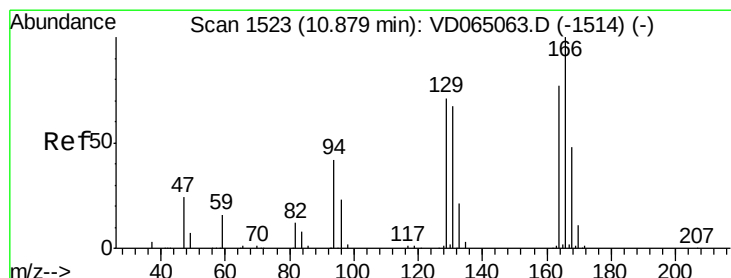
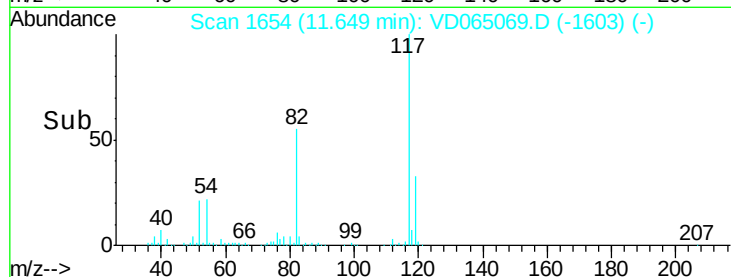
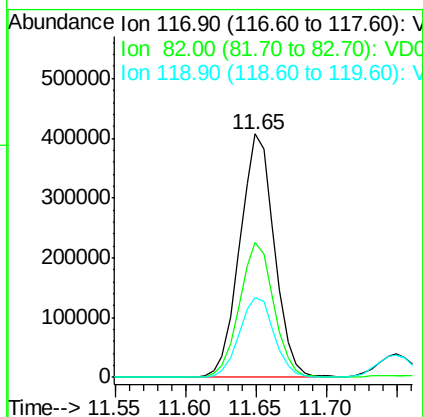
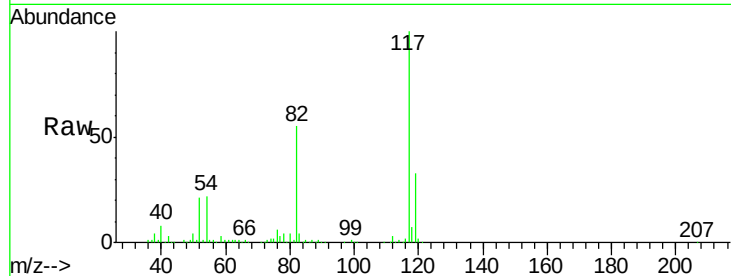
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.1	64.7
119	32.9	26.0	39.0

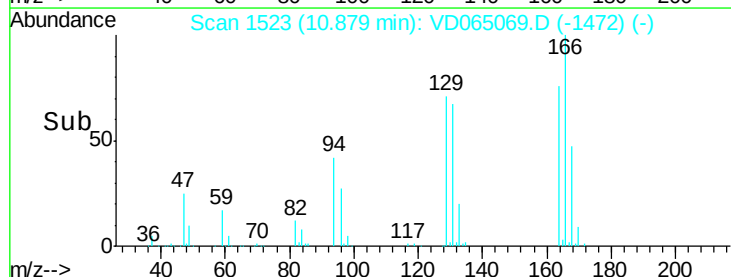
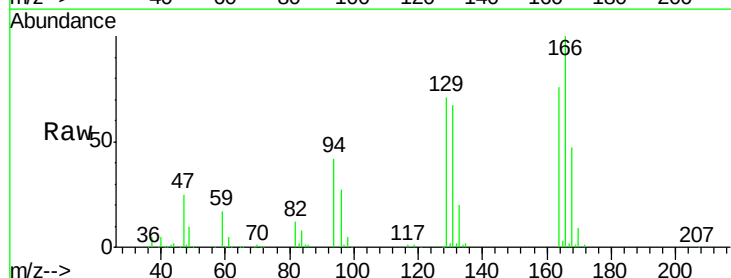
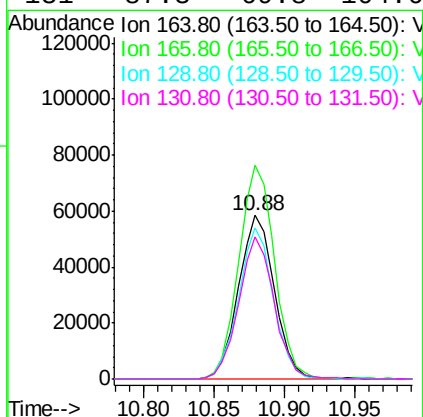
Manual Integrations
APPROVED

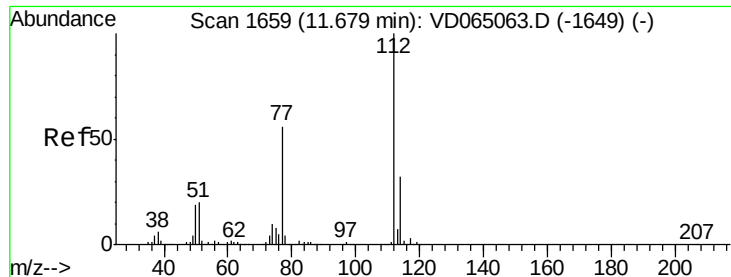
MMDadoda
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#64
Tetrachloroethene
Concen: 20.737 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.5	155.3
129	92.3	73.3	109.9
131	87.3	69.8	104.6





#65

Chlorobenzene

Concen: 20.965 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion:112 Resp: 282769

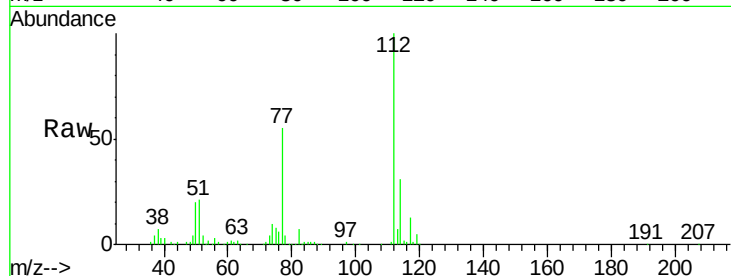
Ion Ratio Lower Upper

112 100

114 30.8 25.4 38.0

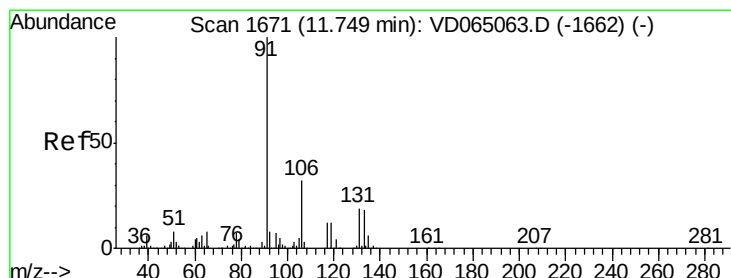
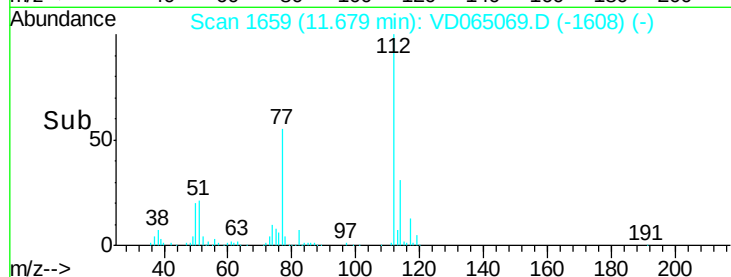
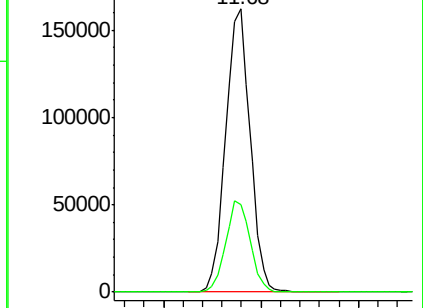
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.731 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

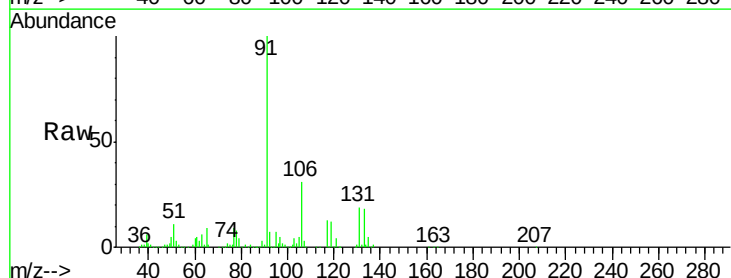
Tgt Ion:131 Resp: 103199

Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

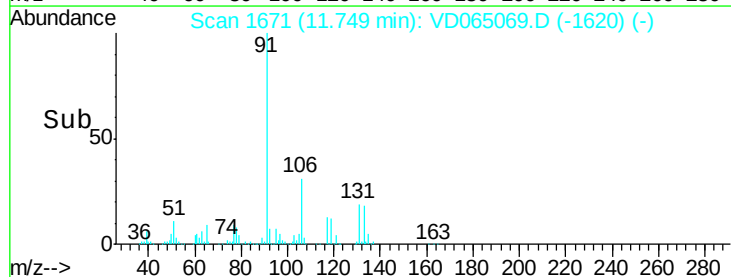
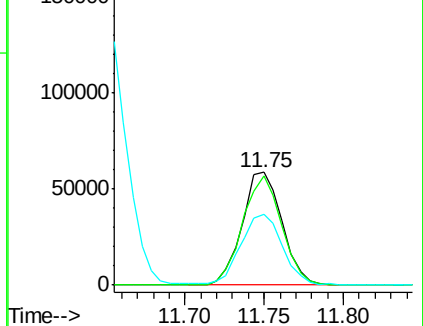
119 65.6 31.3 93.8

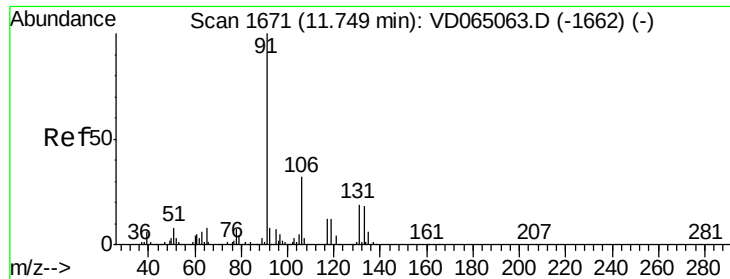


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.705 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 91 Resp: 507353

Ion Ratio Lower Upper

91 100

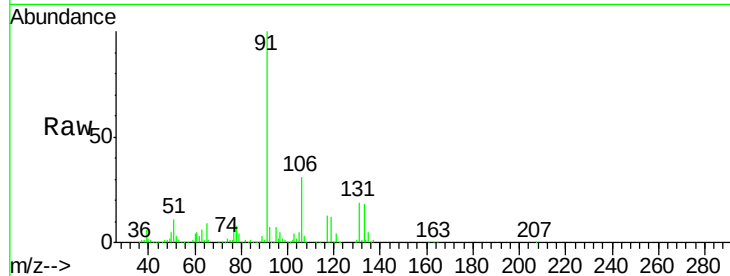
106 30.8 25.4 38.2

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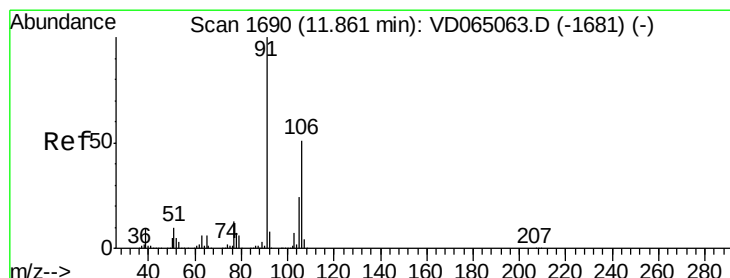
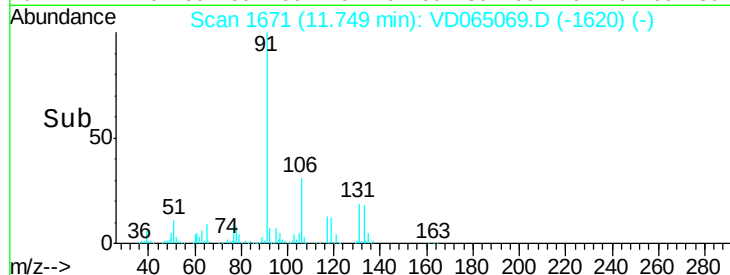
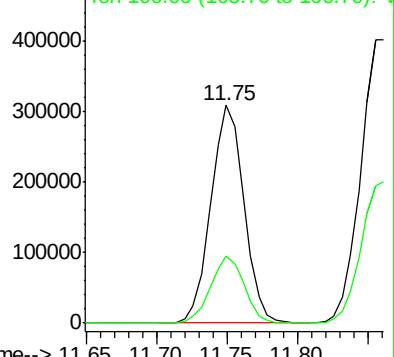
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Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1662) (-)



#68

m/p-Xylenes

Concen: 41.401 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065069.D

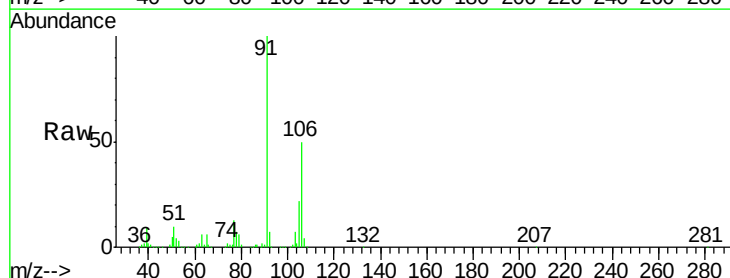
Acq: 05 Feb 2020 17:42

Tgt Ion: 106 Resp: 387215

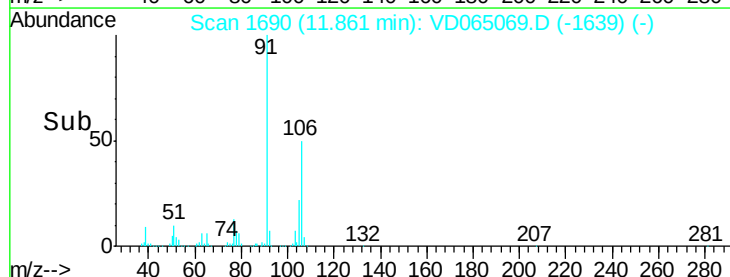
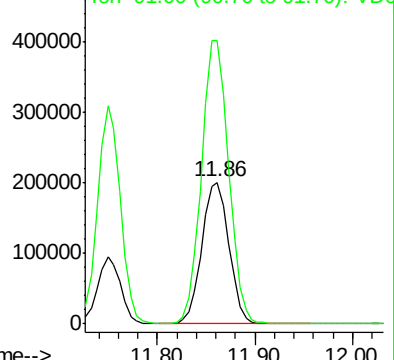
Ion Ratio Lower Upper

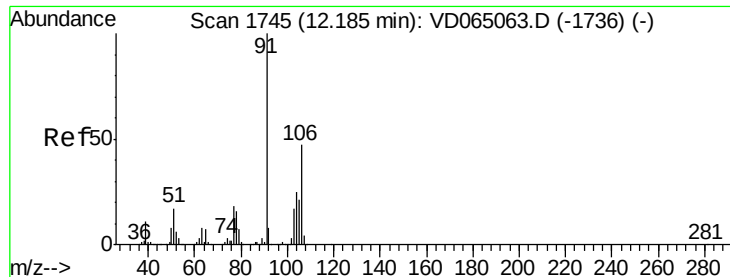
106 100

91 200.1 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VD065063.D (-1681) (-)





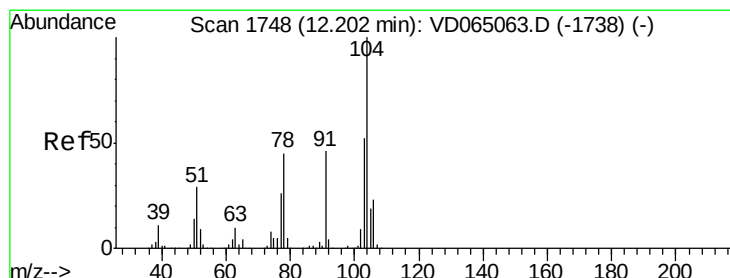
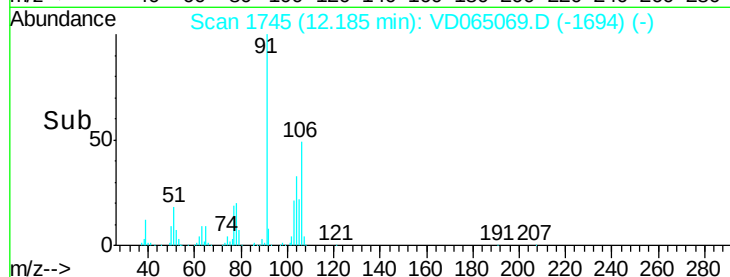
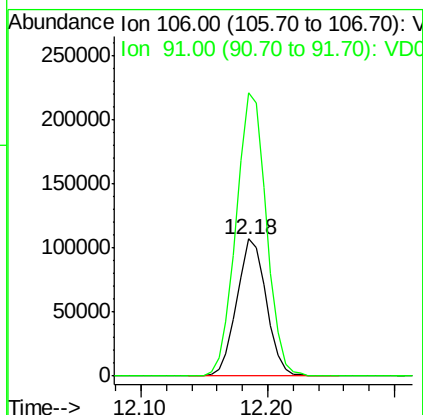
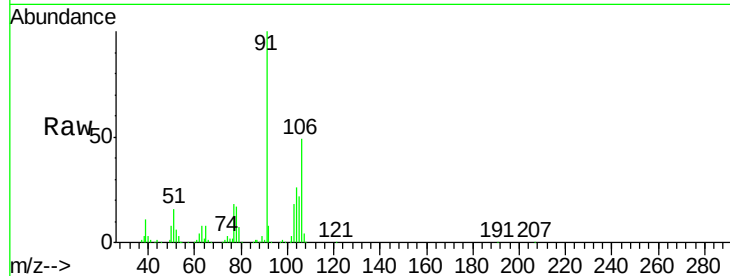
#69
o-Xylene
Concen: 20.542 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	173012		
91	91	211.8	104.7	313.9	

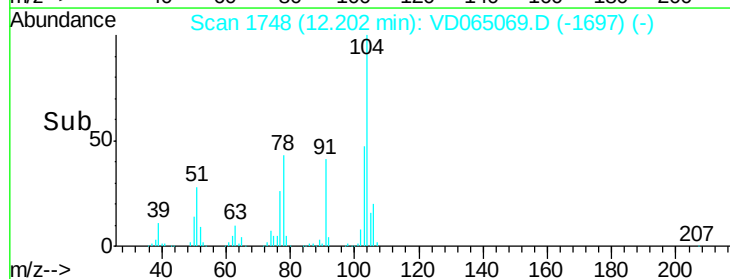
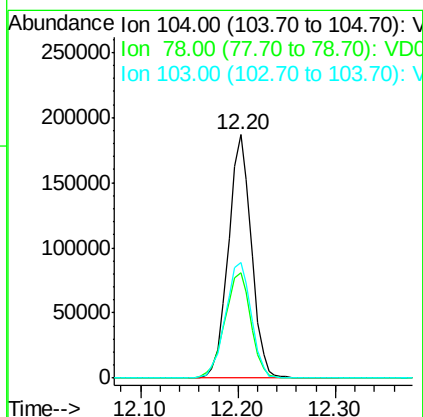
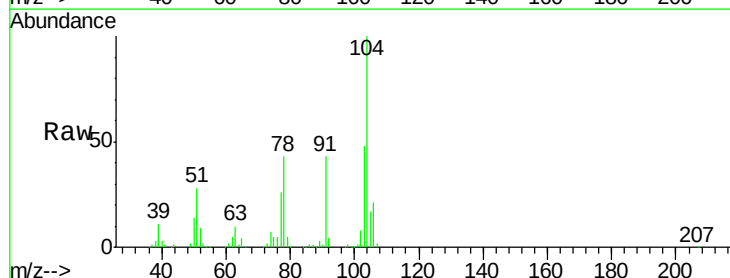
Manual Integrations
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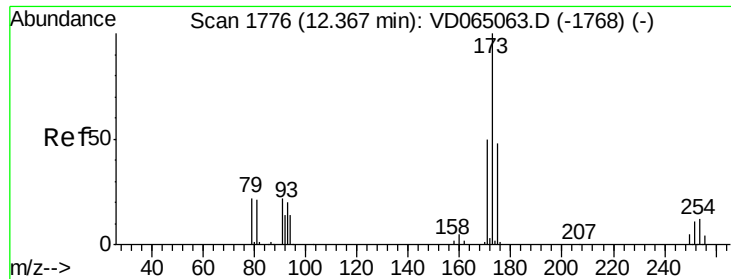
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#70
Styrene
Concen: 20.792 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	304352		
78	78	48.9	38.5	57.7	
103	103	53.0	43.8	65.8	





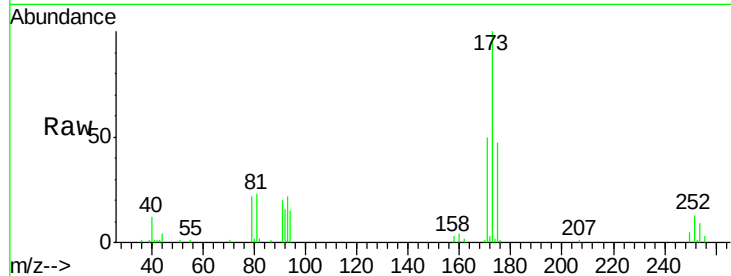
#71
Bromoform
Concen: 20.881 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBSD01

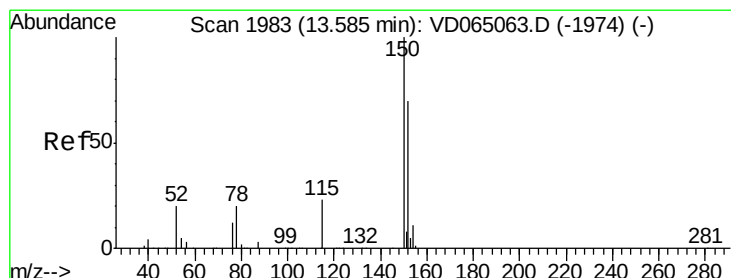
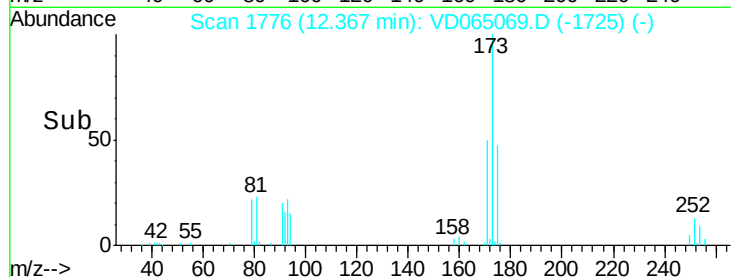
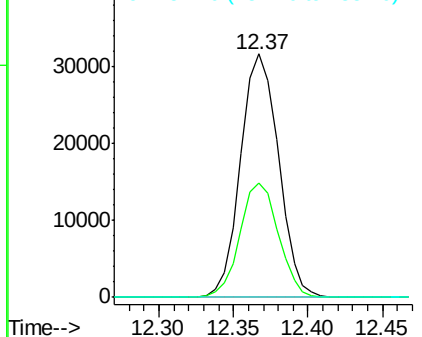
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.8
254	0.0	0.1	0.1#

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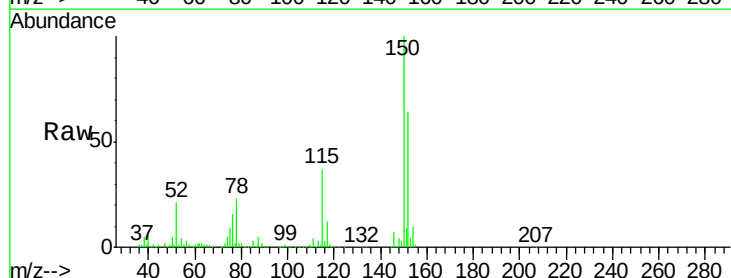


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

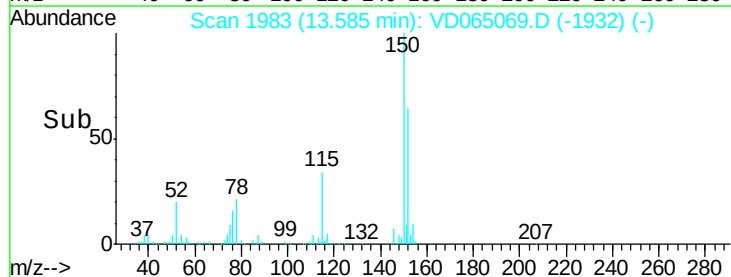
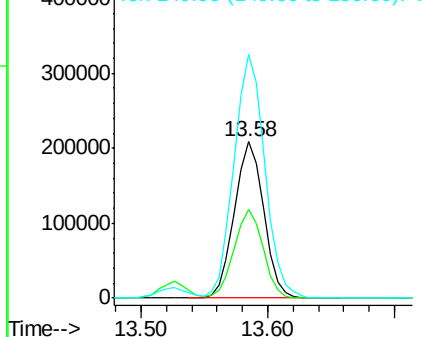


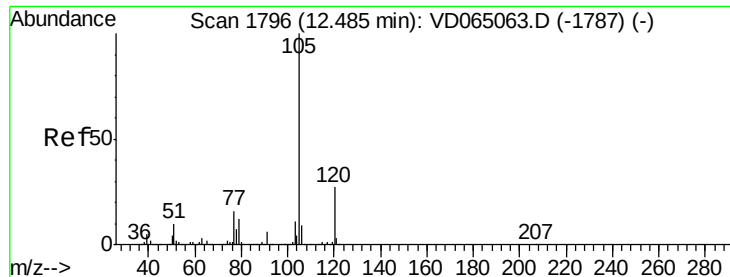
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.5	82.4
150	163.9	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.764 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 105 Resp: 474696

Ion Ratio Lower Upper

105 100

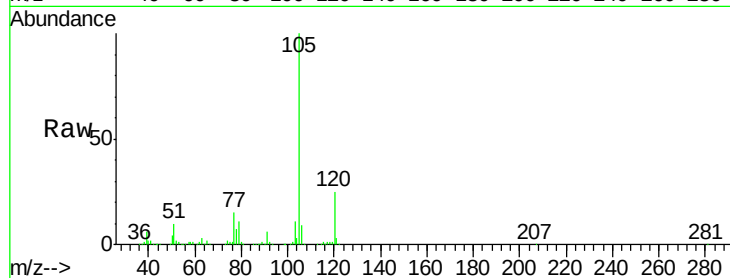
120 26.0 13.3 39.9

Manual Integrations

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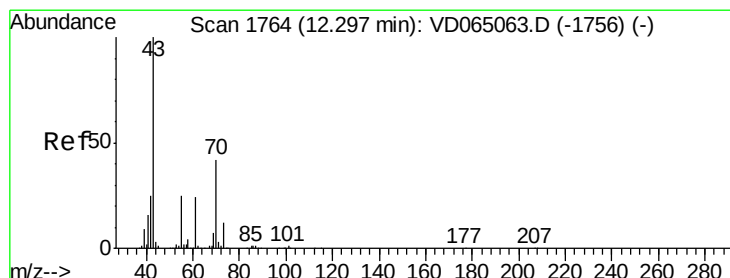
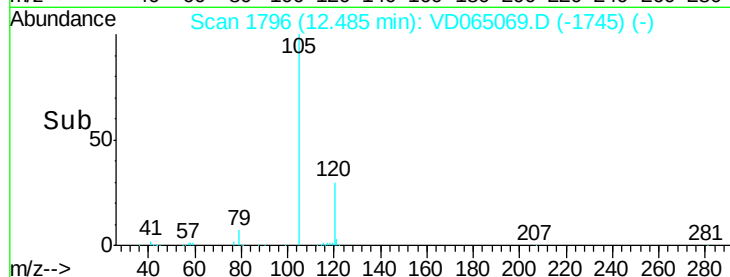
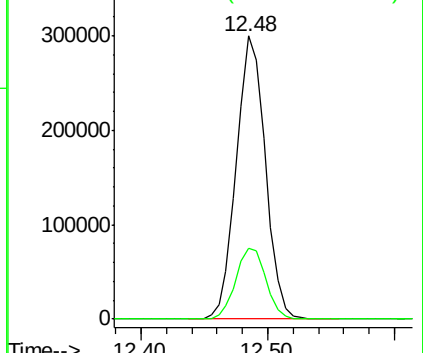
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.215 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tgt Ion: 43 Resp: 100448

Ion Ratio Lower Upper

43 100

70 41.9 33.5 50.3

55 25.4 19.4 29.2

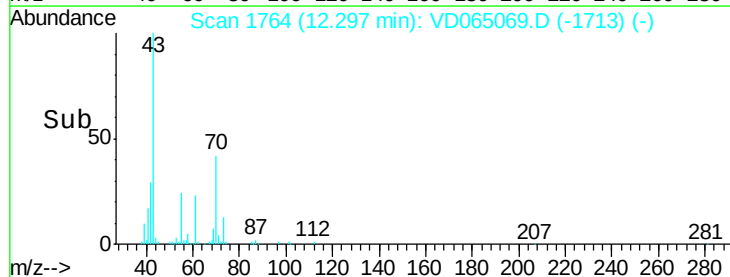
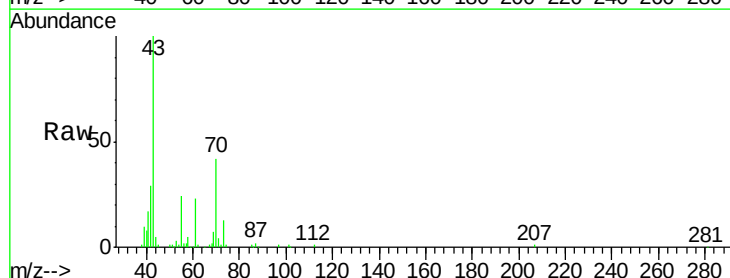
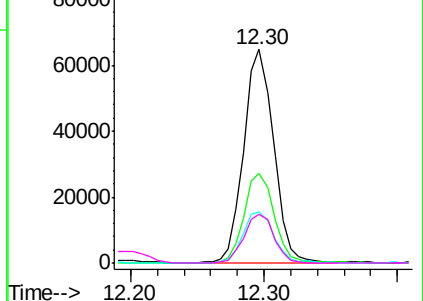
61 22.7 18.6 28.0

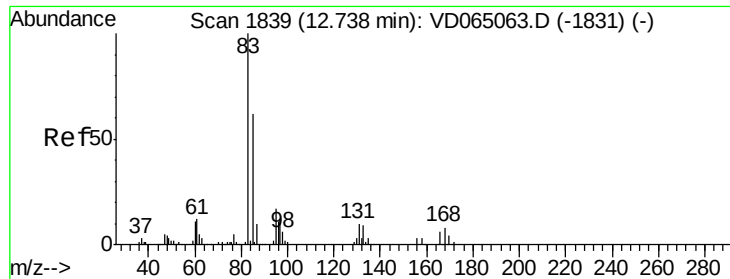
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.548 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

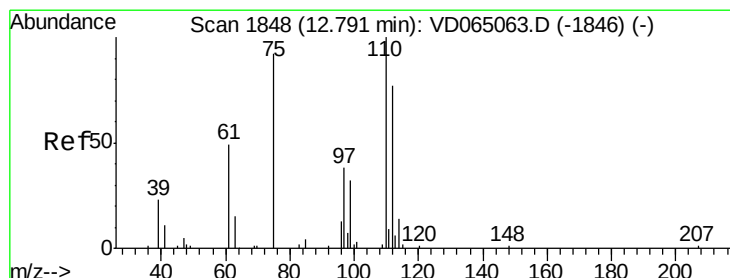
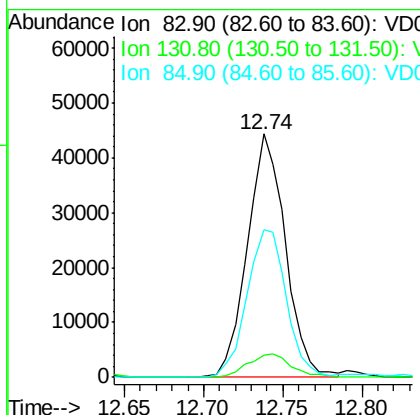
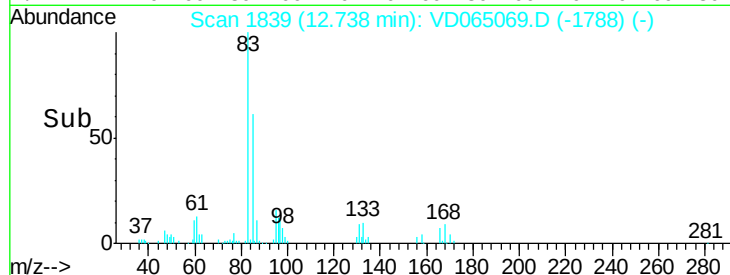
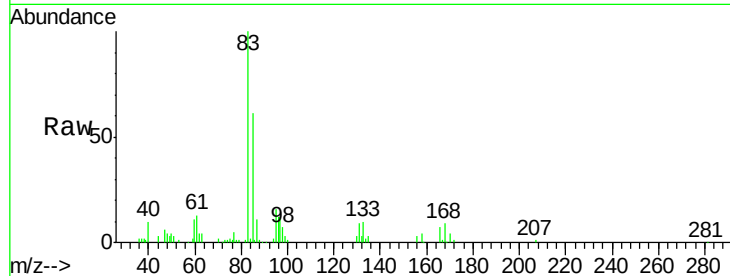
ClientSampleId :

VD0205SBS01

Tot Ion:	83	Resp:	73931
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	63.3	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 20.873 ug/l m

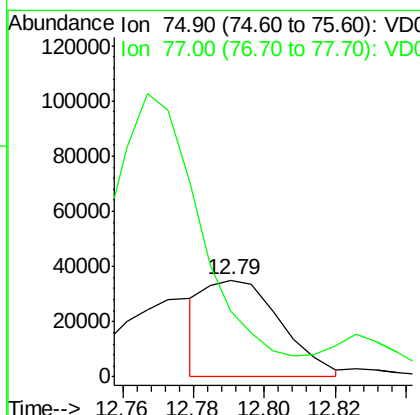
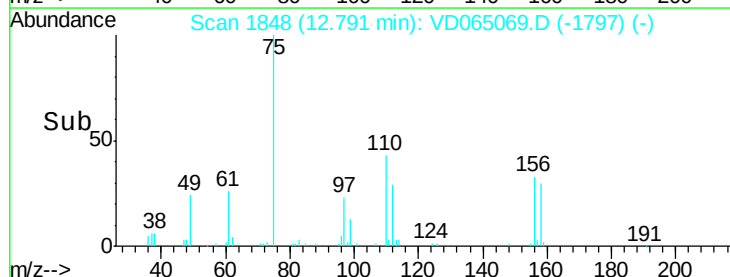
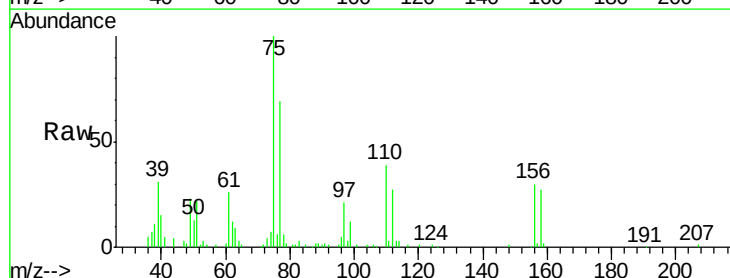
RT: 12.79 min Scan# 1848

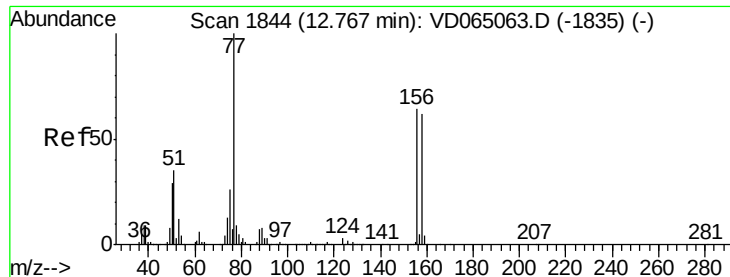
Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tgt Ion:	75	Resp:	52638
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.995 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

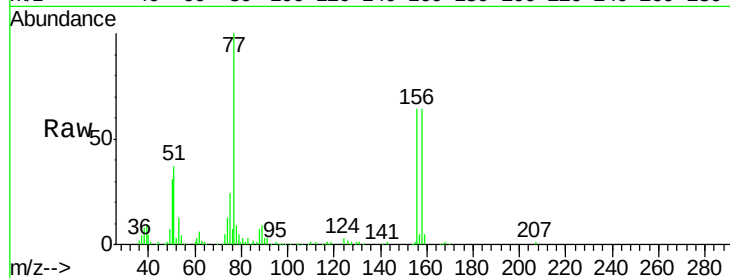
ClientSampleId :

VD0205SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.7	85.6	256.8
158	97.0	47.4	142.2

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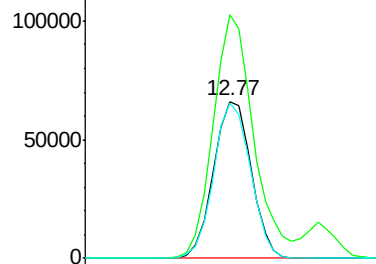
MMDadoda
2/6/2020 10:37:31 AM



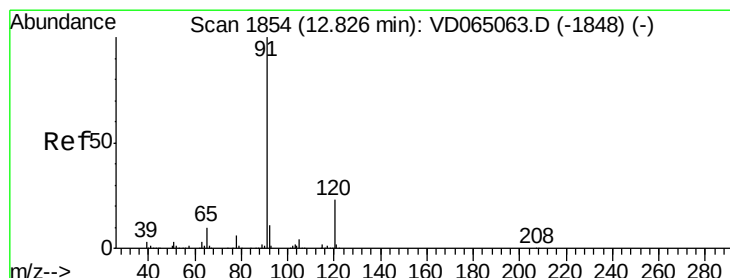
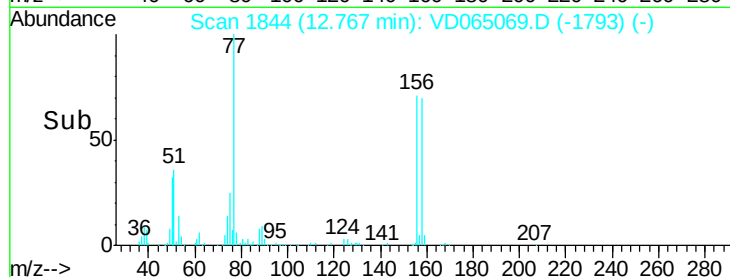
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.840 ug/l

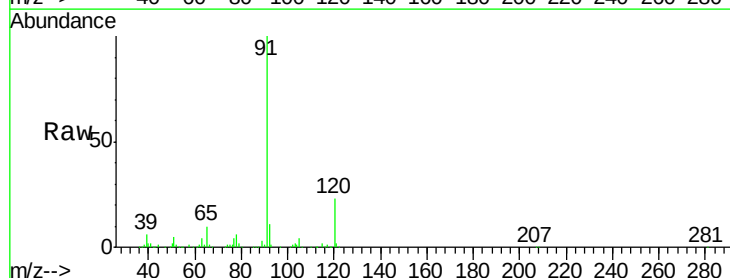
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065069.D

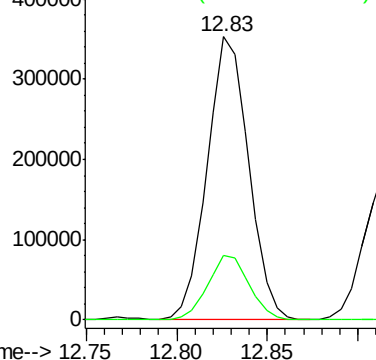
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.8	35.3

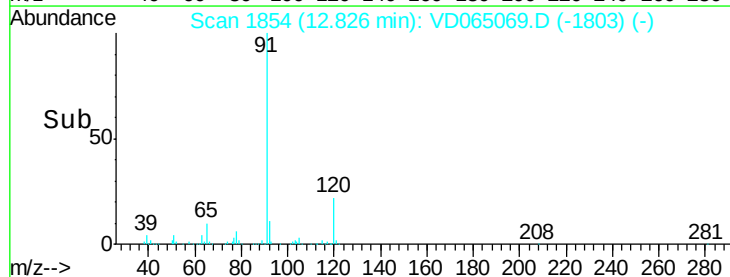


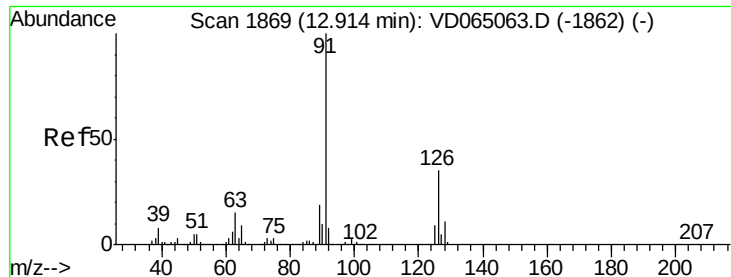
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.819 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VD0205SBS01

Tot Ion: 91 Resp: 310691

Ion Ratio Lower Upper

91 100

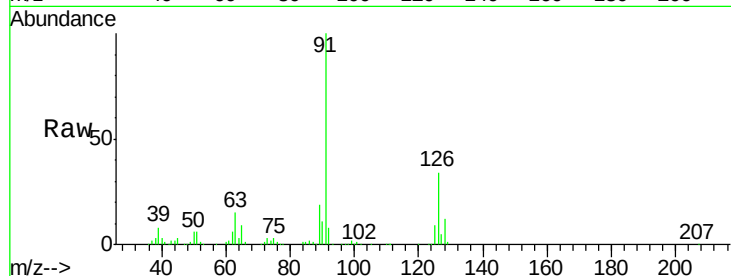
126 34.8 17.4 52.3

Manual Integrations

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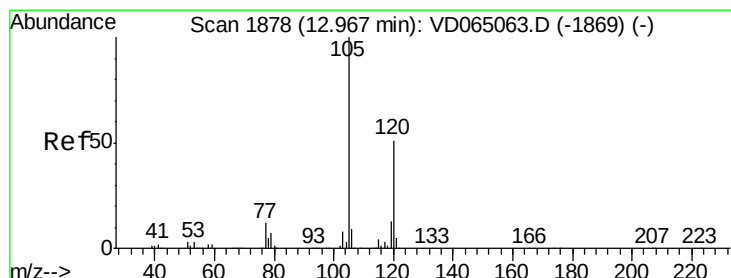
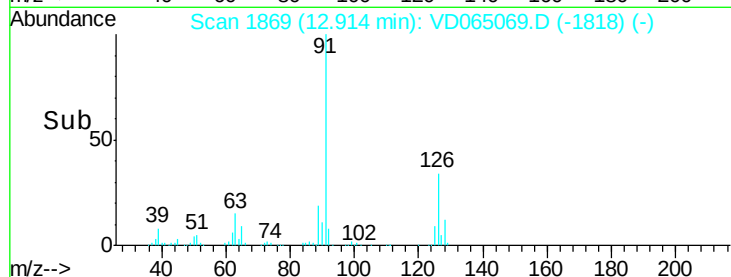
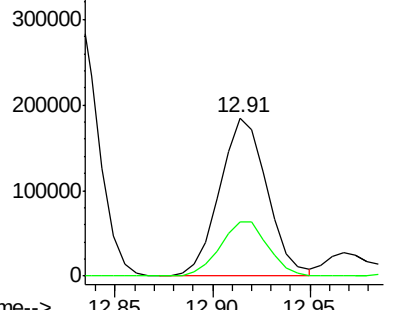
MMDadoda

2/6/2020 10:37:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065063.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.744 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065069.D

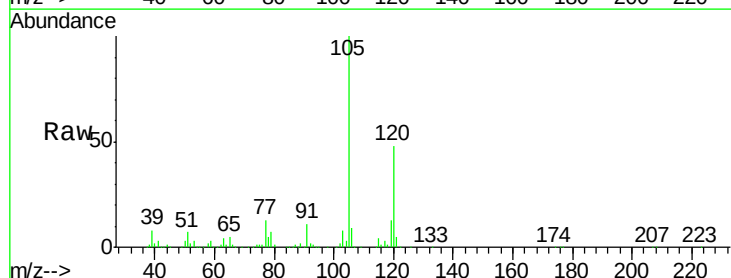
Acq: 05 Feb 2020 17:42

Tgt Ion: 105 Resp: 387984

Ion Ratio Lower Upper

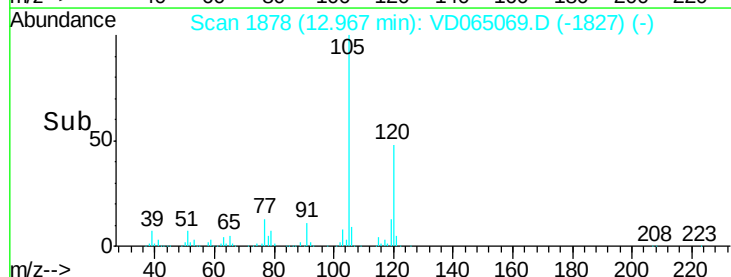
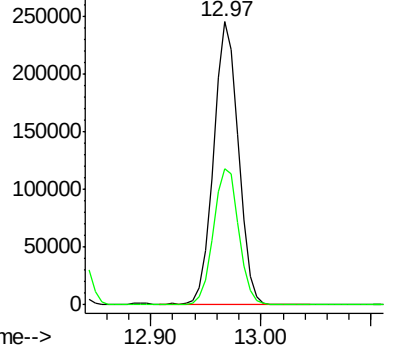
105 100

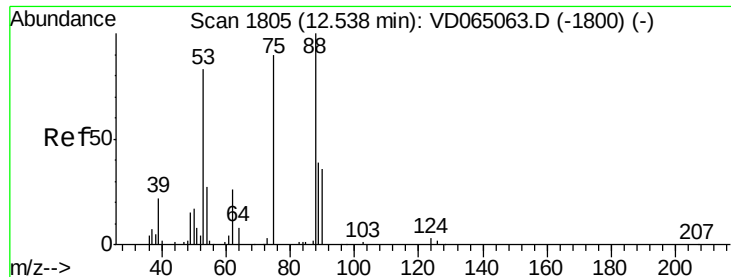
120 49.4 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065063.D (-1869) (-)





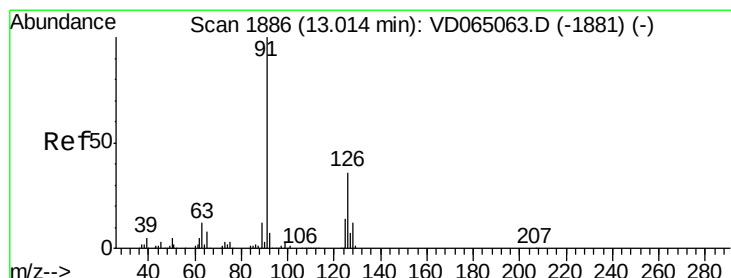
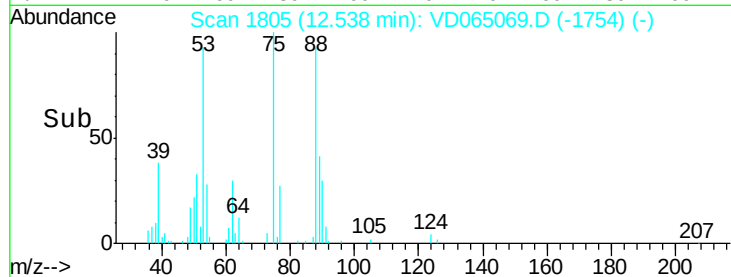
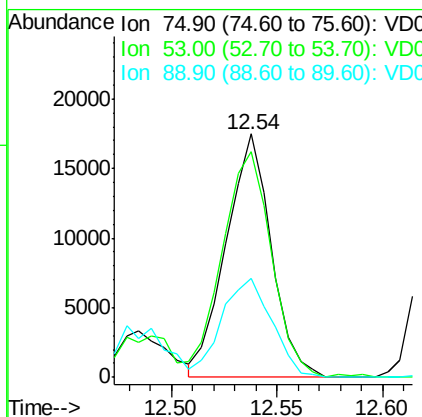
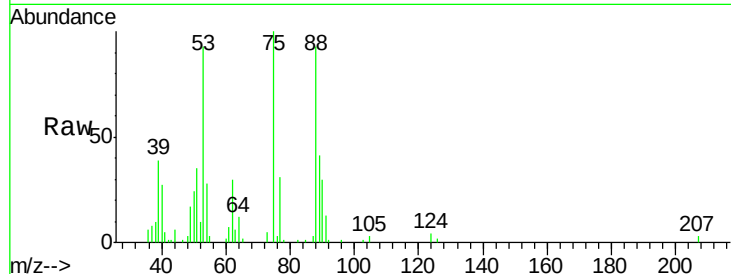
#81
trans-1,4-Dichloro-2-butene
Concen: 20.570 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	78.5	117.7
89	45.0	37.0	55.4

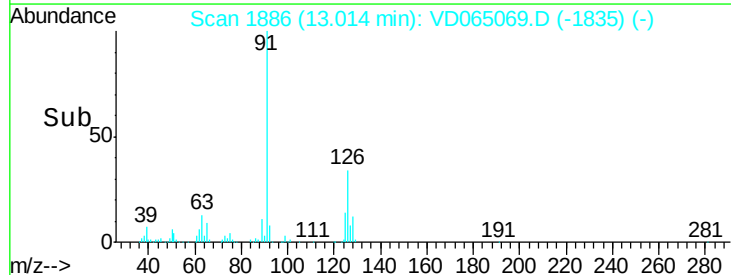
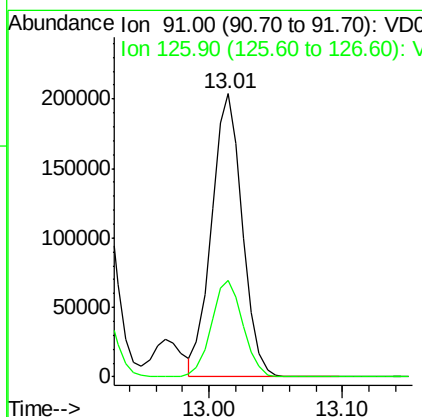
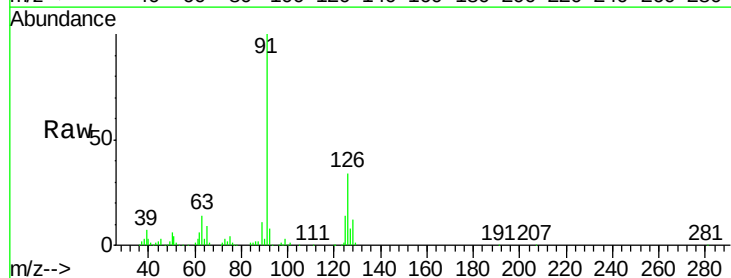
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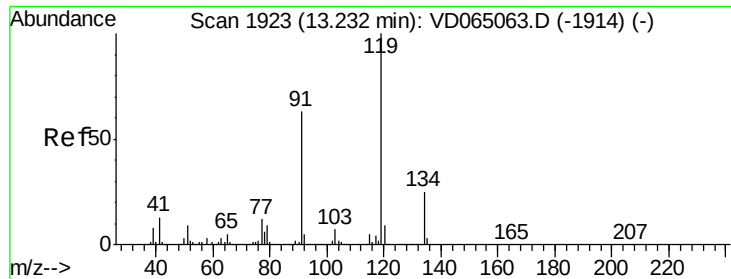
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.962 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





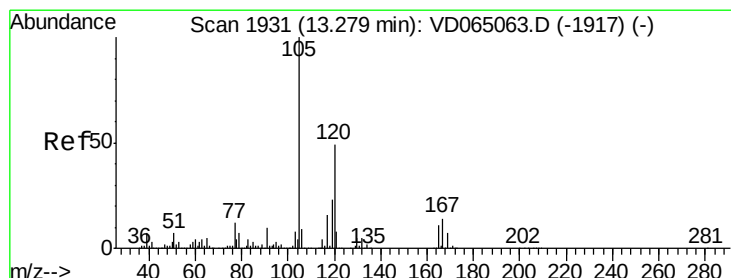
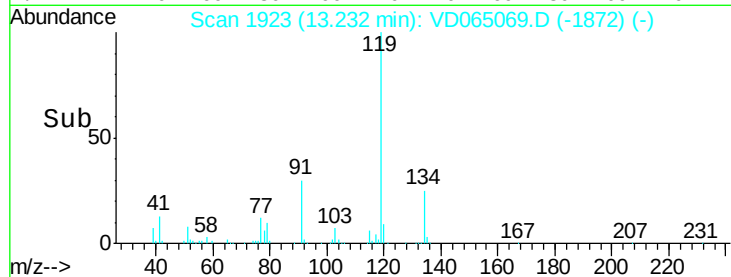
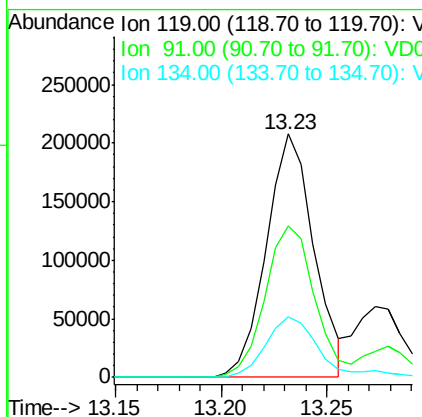
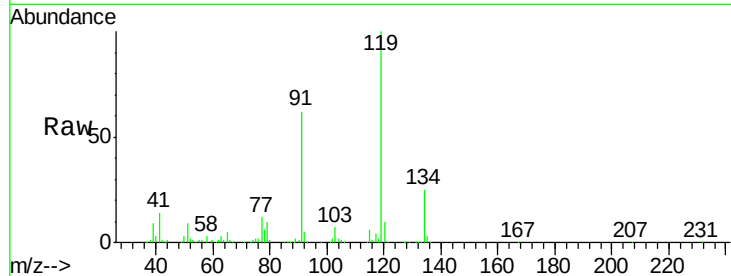
#83
 tert-Butylbenzene
 Concen: 20.163 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.3	96.9
134	27.9	13.8	41.3

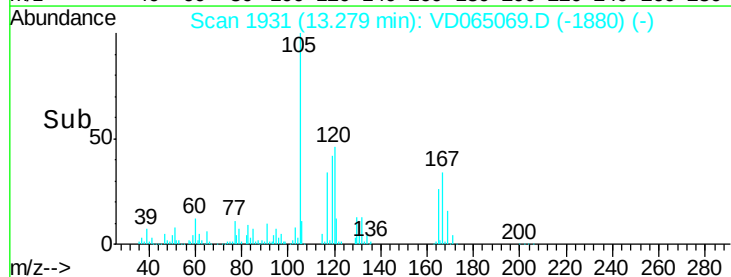
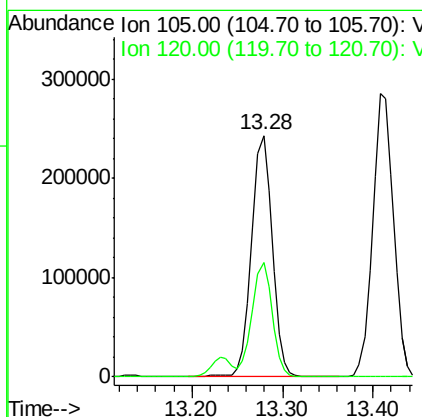
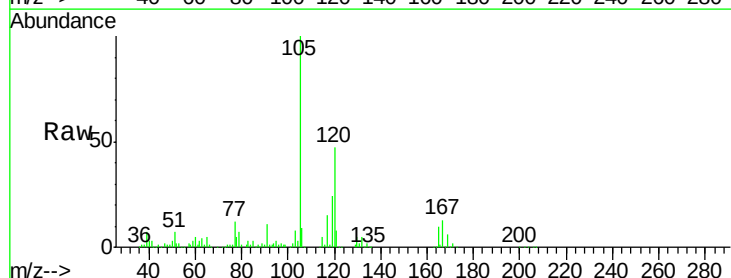
Manual Integrations
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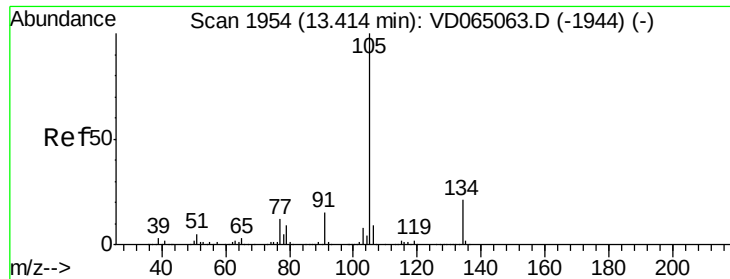
MMDadoda
 2/6/2020 10:37:31 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.757 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5





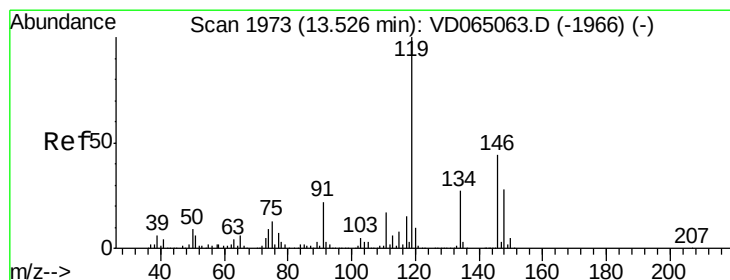
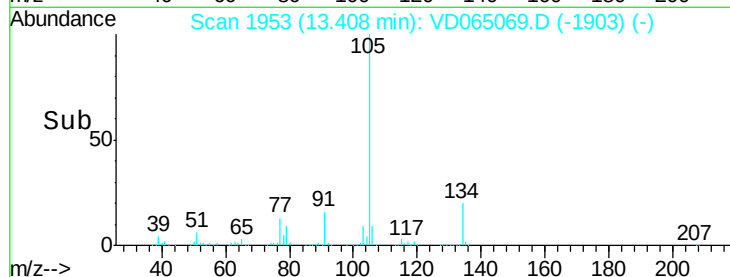
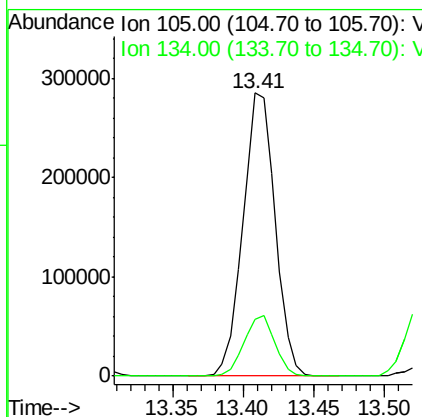
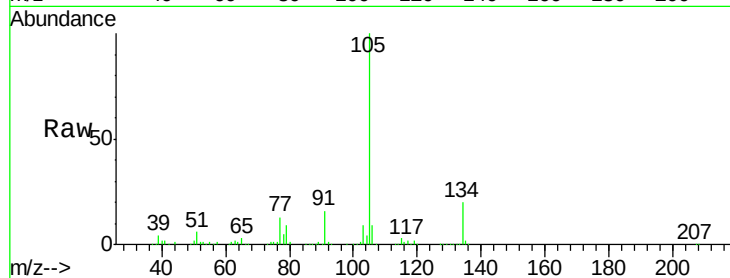
#85
 sec-Butylbenzene
 Concen: 20.717 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	456563		
134	20.5	10.4	31.1	

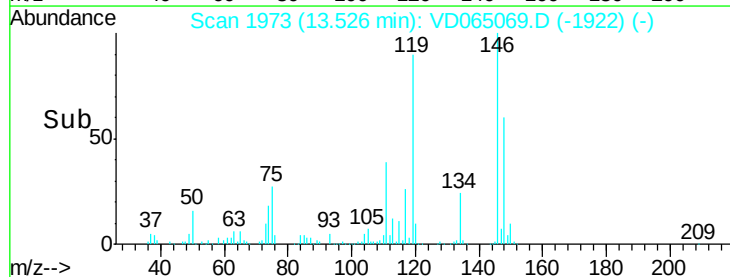
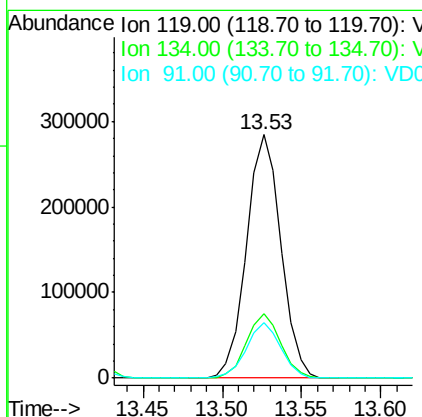
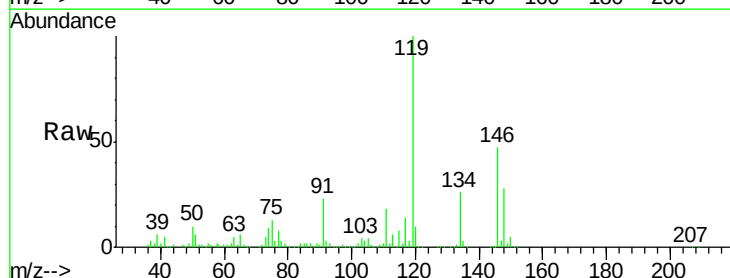
Manual Integrations
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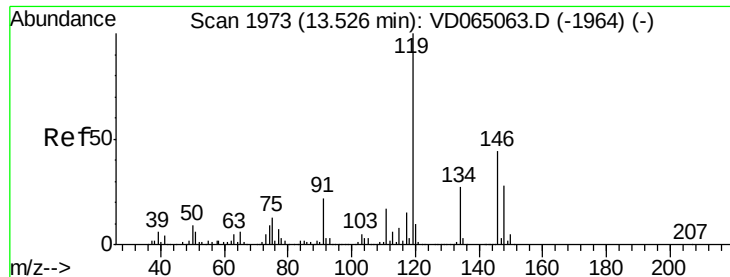
MMDadoda
 2/6/2020 10:37:31 AM



#86
 p-Isopropyltoluene
 Concen: 20.877 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	427476		
134	26.5	13.5	40.5	
91	22.6	11.3	33.9	





#87

1,3-Dichlorobenzene

Concen: 21.048 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

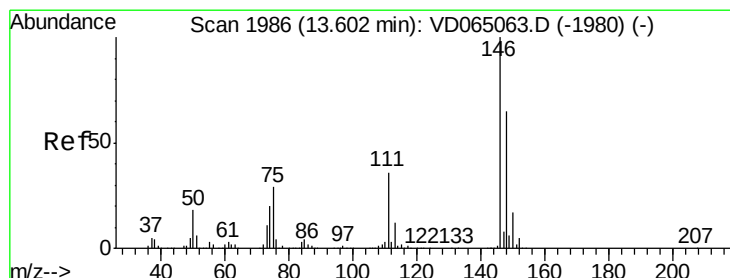
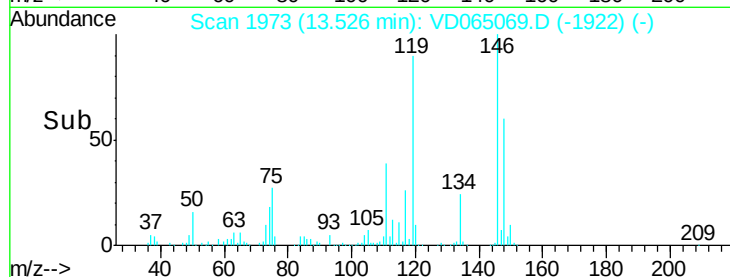
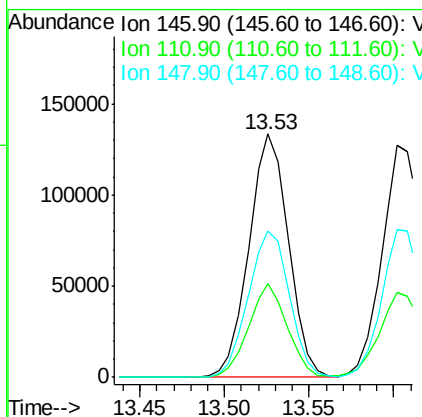
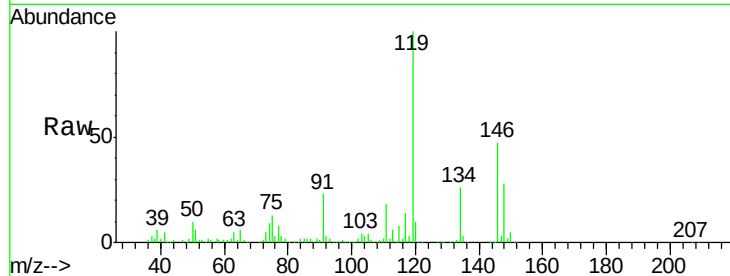
Instrument :
MSVOA_D

ClientSampleId :
VD0205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217068		
111	37.7	19.4	58.4	
148	62.7	32.3	96.8	

Manual Integrations
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2/6/2020 10:37:31 AM



#88

1,4-Dichlorobenzene

Concen: 20.887 ug/l

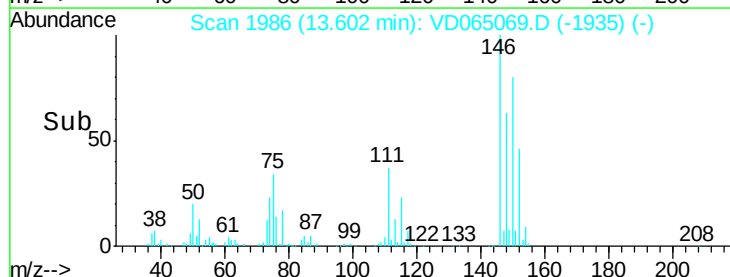
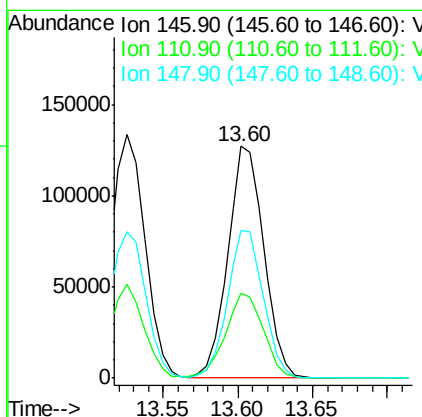
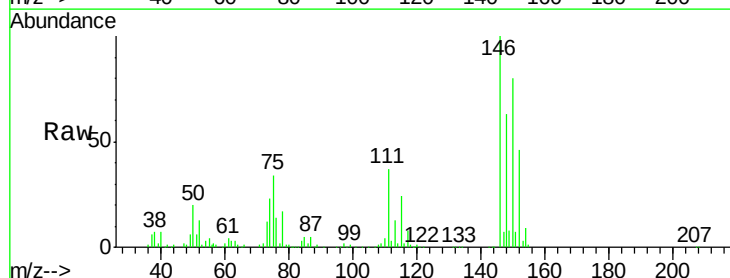
RT: 13.60 min Scan# 1986

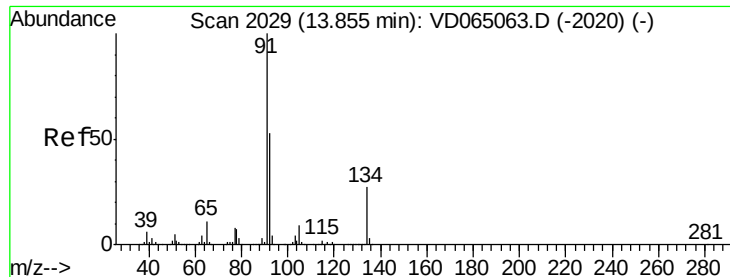
Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	214391		
111	38.2	18.5	55.5	
148	63.3	32.7	98.1	





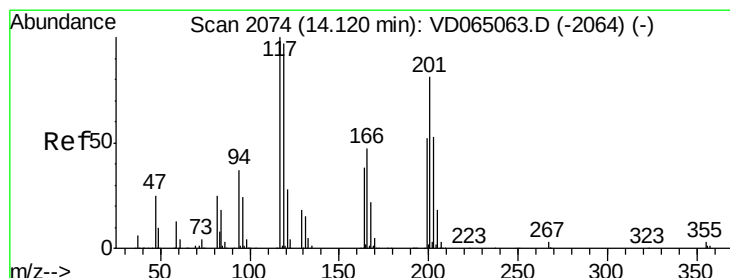
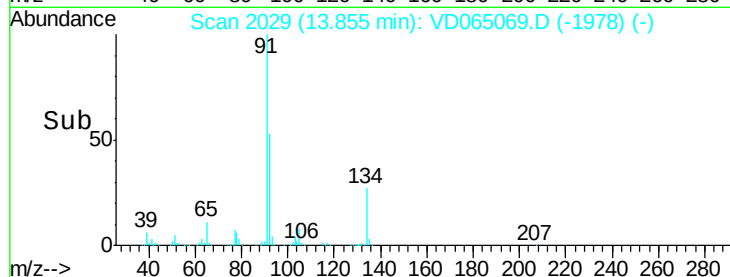
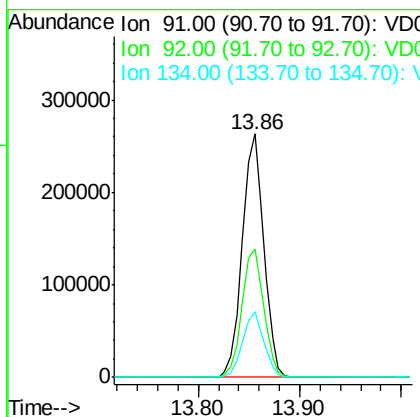
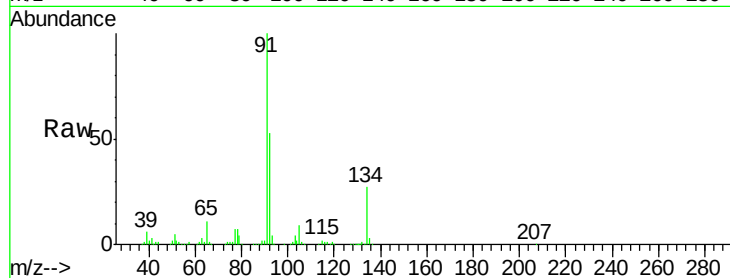
#89
n-Butylbenzene
Concen: 20.510 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VD0205SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.1
134	26.6	13.4	40.2

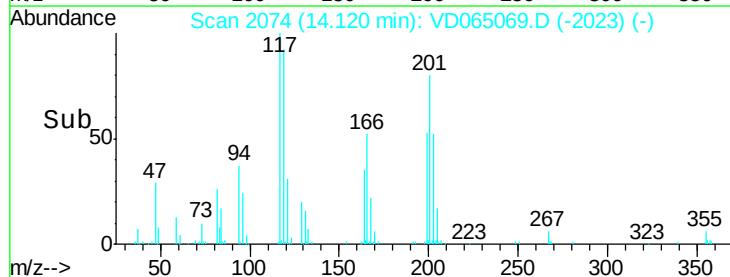
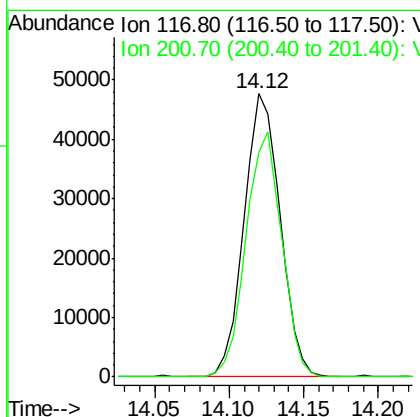
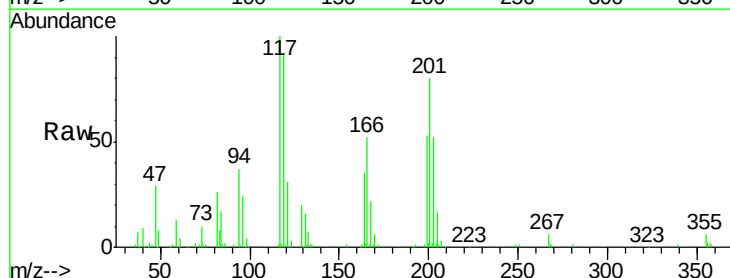
Manual Integrations
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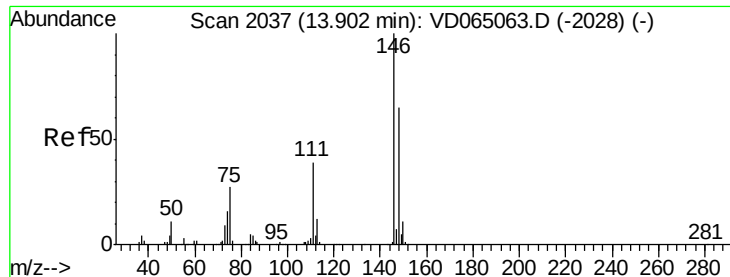
MMDadoda
2/6/2020 10:37:31 AM



#90
Hexachloroethane
Concen: 20.598 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065069.D
Acq: 05 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 20.490 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

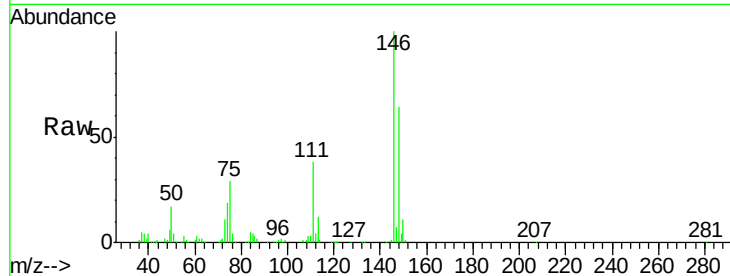
ClientSampleId :

VD0205SBSD01

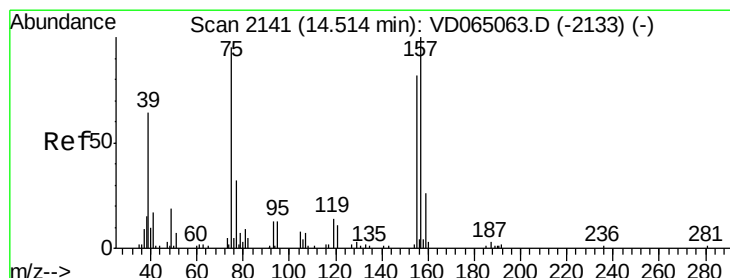
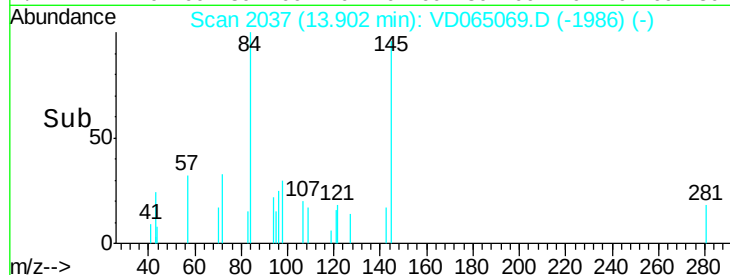
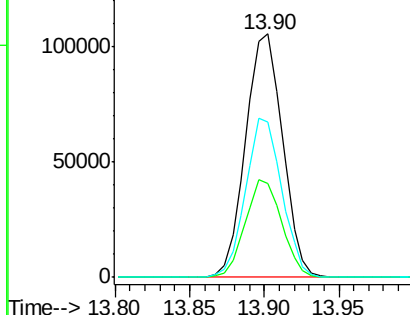
Tot Ion:	146	Resp:	180999
Ion Ratio		Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.0	31.9	95.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.996 ug/l

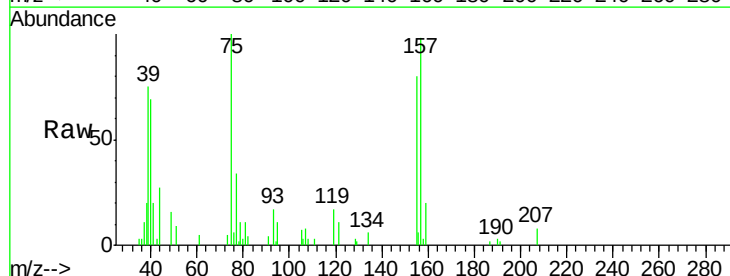
RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

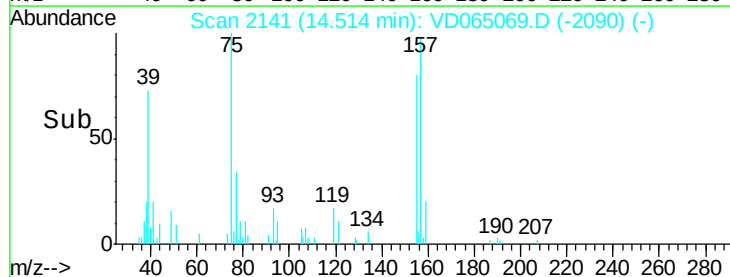
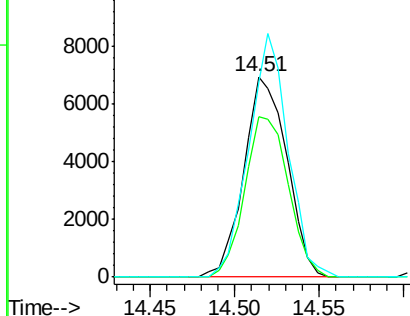
Lab File: VD065069.D

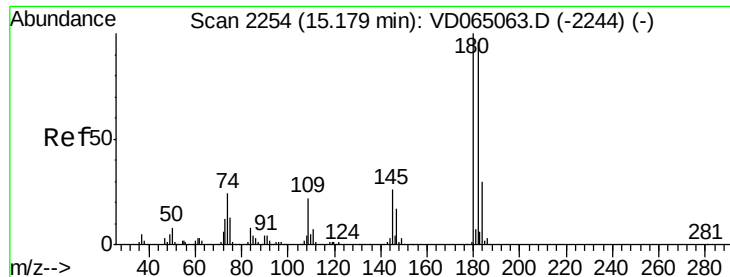
Acq: 05 Feb 2020 17:42

Tgt Ion:	75	Resp:	12332
Ion Ratio		Lower	Upper
75	100		
155	81.0	43.4	130.1
157	110.8	55.8	167.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





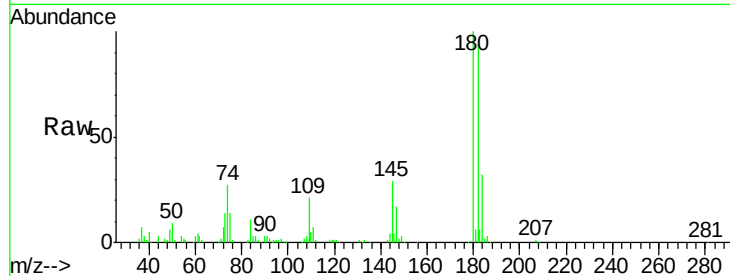
#93
 1,2,4-Trichlorobenzene
 Concen: 20.900 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

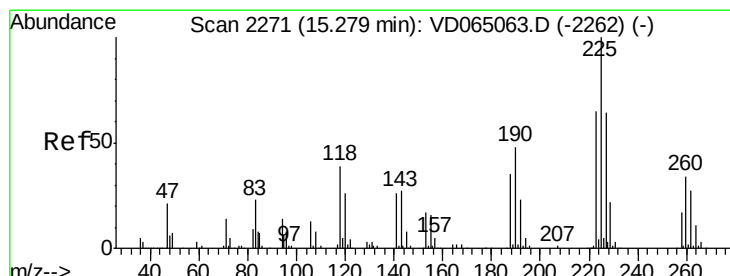
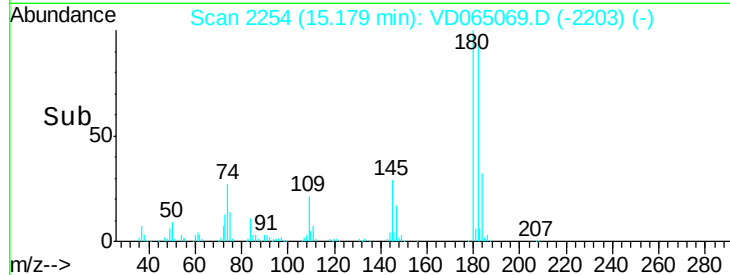
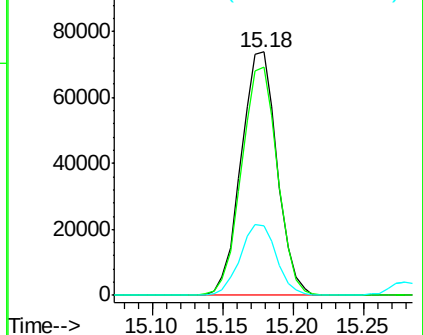
Tot Ion:	180	Resp:	131954
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.4	142.3
145	29.2	14.1	42.4

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:31 AM

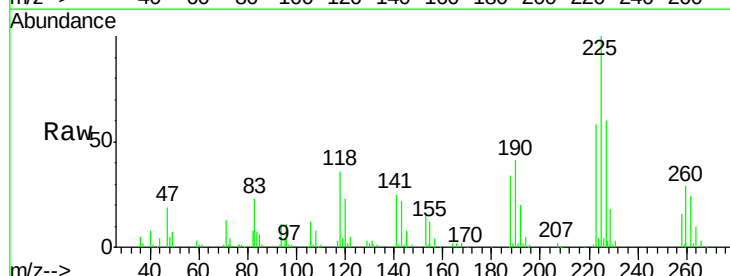


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

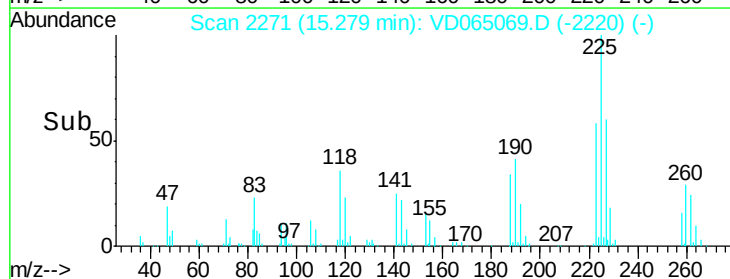
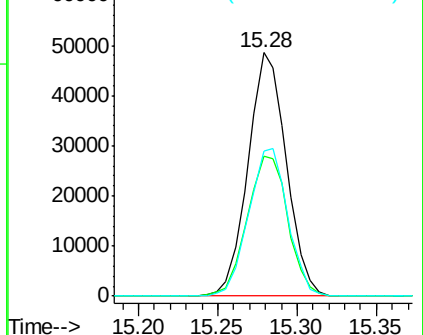


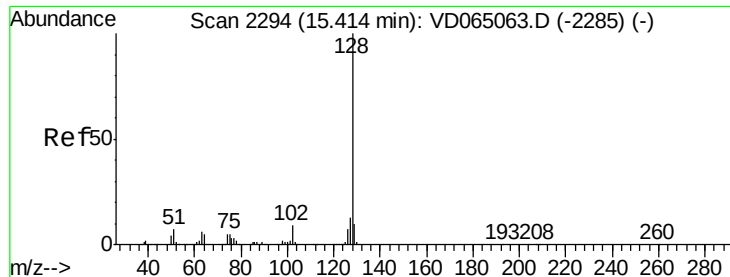
#94
 Hexachlorobutadiene
 Concen: 20.974 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065069.D
 Acq: 05 Feb 2020 17:42

Tgt Ion:	225	Resp:	81421
Ion Ratio	Lower	Upper	
225	100		
223	61.5	31.4	94.0
227	62.1	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.762 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Instrument :

MSVOA_D

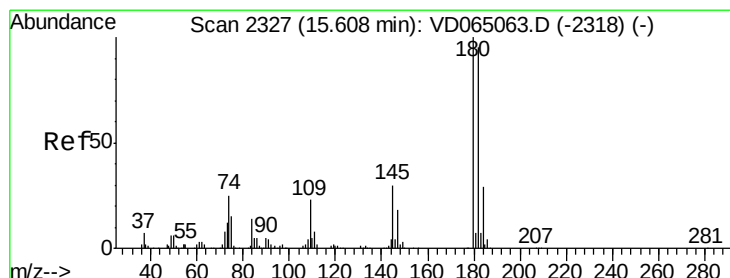
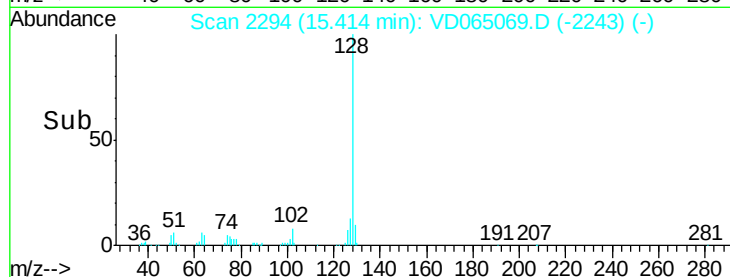
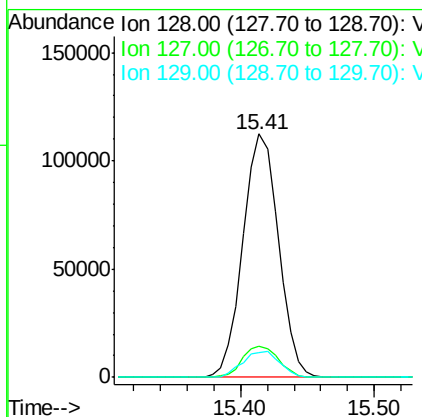
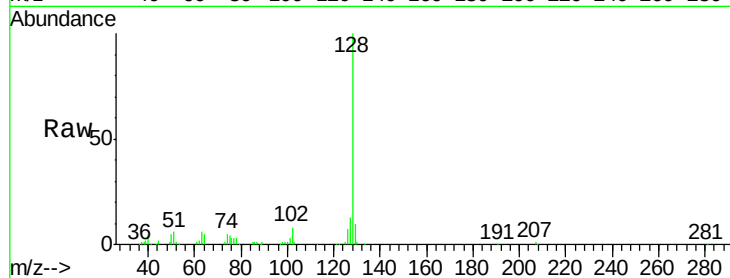
ClientSampleId :

VD0205SBSD01

Tot Ion:	128	Resp:	207374
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
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MMDadoda
2/6/2020 10:37:31 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.366 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065069.D

Acq: 05 Feb 2020 17:42

Tgt Ion:	180	Resp:	109982
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.1	141.4
145	30.3	14.9	44.9

