

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065065.D
 Acq On : 05 Feb 2020 15:31
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:20 AM

Quant Time: Feb 05 15:49:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:24:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	571243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	853152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	367392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	752449	140.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.24%	
35) Dibromofluoromethane	7.92	113	730448	138.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.52%	
50) Toluene-d8	10.34	98	2917747	143.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.36%	
62) 4-Bromofluorobenzene	12.64	95	921754	146.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	644049	146.387	ug/l	99
3) Chloromethane	2.21	50	777675	125.565	ug/l	98
4) Vinyl Chloride	2.35	62	812832	115.149	ug/l	99
5) Bromomethane	2.75	94	542313	114.777	ug/l	99
6) Chloroethane	2.91	64	521082	112.927	ug/l	97
7) Trichlorofluoromethane	3.27	101	1187729	109.760	ug/l	99
8) Diethyl Ether	3.70	74	355389	141.177	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	696983	132.768	ug/l	99
10) Methyl Iodide	4.30	142	960518	171.740	ug/l	98
11) Tert butyl alcohol	5.26	59	211733	719.739	ug/l	98
12) 1,1-Dichloroethene	4.06	96	691143	138.020	ug/l	99
13) Acrolein	3.92	56	259393	690.365	ug/l	96
14) Allyl chloride	4.71	41	1216928	151.643	ug/l	100
15) Acrylonitrile	5.43	53	806835	740.463	ug/l	100
16) Acetone	4.17	43	899255	780.117	ug/l	99
17) Carbon Disulfide	4.40	76	2264359	137.849	ug/l	98
18) Methyl Acetate	4.73	43	369870	145.193	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	1680960	151.768	ug/l	98
20) Methylene Chloride	4.96	84	761261	119.676	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	810278	141.376	ug/l	97
22) Diisopropyl ether	6.37	45	2361315	149.334	ug/l	98
23) Vinyl Acetate	6.31	43	6928689	756.018	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1371904	141.424	ug/l	99
25) 2-Butanone	7.22	43	1117917	767.321	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1187878	134.192	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	896498	146.161	ug/l	98
28) Bromochloromethane	7.55	49	553641	147.597	ug/l	99
29) Tetrahydrofuran	7.57	42	651244	721.555	ug/l	100
30) Chloroform	7.71	83	1377957	137.943	ug/l	98
31) Cyclohexane	7.99	56	1248431	129.885	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1245479	133.919	ug/l	100
36) 1,1-Dichloropropene	8.11	75	1095839	133.423	ug/l	100
37) Ethyl Acetate	7.30	43	471086	139.372	ug/l	99
38) Carbon Tetrachloride	8.10	117	1131322	131.266	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1337954	138.163	ug/l	99
40) Benzene	8.36	78	3179283	140.683	ug/l	100
41) Methacrylonitrile	7.54	41	268422	150.855	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	896593	134.205	ug/l	99
43) Isopropyl Acetate	8.46	43	929140	144.763	ug/l	99
44) Trichloroethene	9.11	130	873203	137.167	ug/l	95
45) 1,2-Dichloropropane	9.39	63	765456	139.376	ug/l	95
46) Dibromomethane	9.48	93	402756	135.385	ug/l	99
47) Bromodichloromethane	9.67	83	1059345	136.786	ug/l	100
48) Methyl methacrylate	9.46	41	441544	149.497	ug/l	99
49) 1,4-Dioxane	9.47	88	93913	2747.006	ug/l	99
51) 4-Methyl-2-Pentanone	10.24	43	2271653	711.756	ug/l	98
52) Toluene	10.41	92	2047451	140.377	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1061656	143.848	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	1245767	143.576	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	548338	136.974	ug/l	96
56) Ethyl methacrylate	10.67	69	738217	153.672	ug/l	100
57) 1,3-Dichloropropane	10.95	76	964006	140.131	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	1075232	642.612	ug/l	99
59) 2-Hexanone	10.99	43	1666440	754.377	ug/l	99
60) Dibromochloromethane	11.14	129	724327	135.791	ug/l	99
61) 1,2-Dibromoethane	11.25	107	537398	139.098	ug/l	100
64) Tetrachloroethene	10.88	164	776783	138.204	ug/l	98
65) Chlorobenzene	11.68	112	2104789	133.445	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	796247	134.843	ug/l	99
67) Ethyl Benzene	11.75	91	3839768	137.344	ug/l	99
68) m/p-Xylenes	11.86	106	2951631	274.301	ug/l	98
69) o-Xylene	12.18	106	1355740	141.624	ug/l	100
70) Styrene	12.20	104	2393486	141.312	ug/l	100
71) Bromoform	12.37	173	430169	132.398	ug/l #	99
73) Isopropylbenzene	12.48	105	3549877	141.060	ug/l	99
74) N-amyl acetate	12.30	43	833797	148.940	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	562421	134.357	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	401165m	135.024	ug/l	
77) Bromobenzene	12.77	156	869414	141.606	ug/l	99
78) n-propylbenzene	12.83	91	4109021	137.420	ug/l	100
79) 2-Chlorotoluene	12.91	91	2333194	141.987	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2933620	142.305	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	205195	144.039	ug/l	99
82) 4-Chlorotoluene	13.01	91	2458734	141.224	ug/l	100
83) tert-Butylbenzene	13.23	119	2534378	145.044	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	2930425	140.749	ug/l	100
85) sec-Butylbenzene	13.41	105	3367556	135.702	ug/l	99
86) p-Isopropyltoluene	13.53	119	3198708	138.387	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1622006	138.010	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	1583544	135.777	ug/l	98
89) n-Butylbenzene	13.86	91	2891604	137.062	ug/l	98
90) Hexachloroethane	14.12	117	587844	132.187	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1372200	137.620	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	91890	136.304	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	972220	140.013	ug/l	100
94) Hexachlorobutadiene	15.28	225	569617	129.687	ug/l	100
95) Naphthalene	15.41	128	1706079	152.879	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	837073	140.242	ug/l	99

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

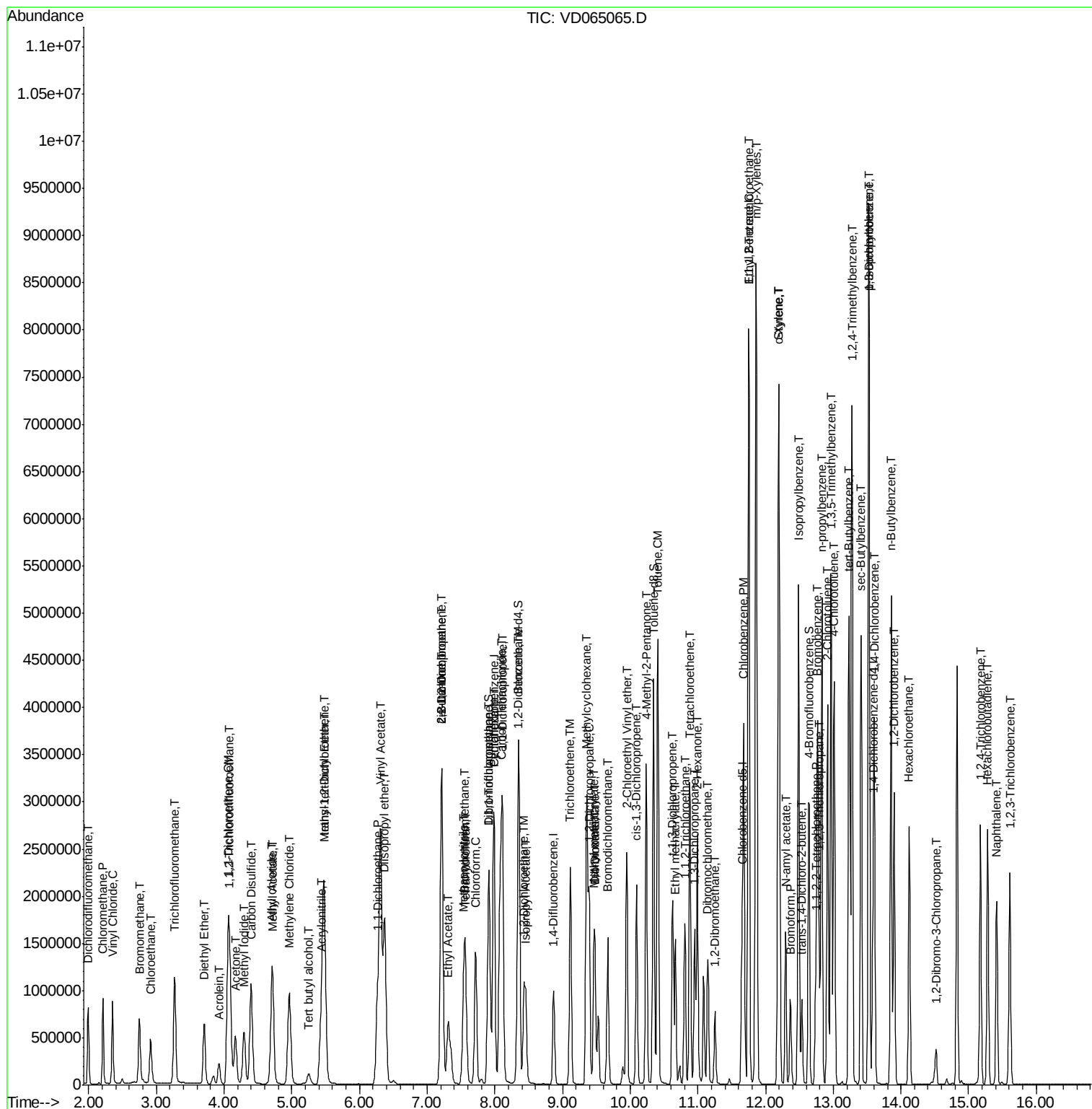
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020520\
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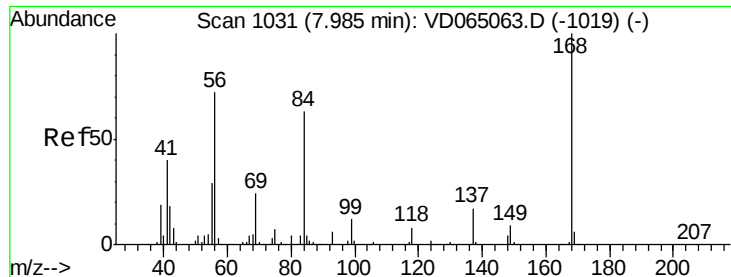
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion:168 Resp: 571243

Ion Ratio Lower Upper

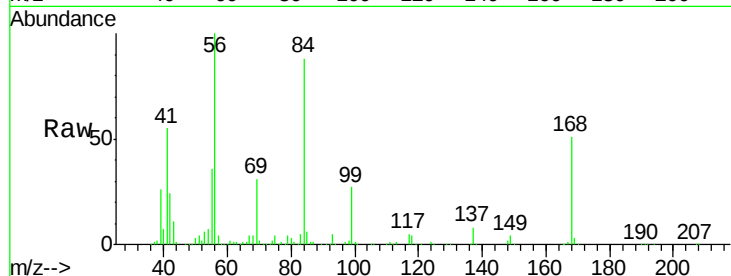
168 100

99 52.4 41.0 61.6

Manual Integrations
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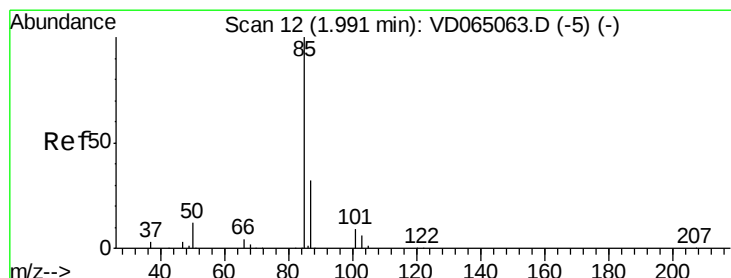
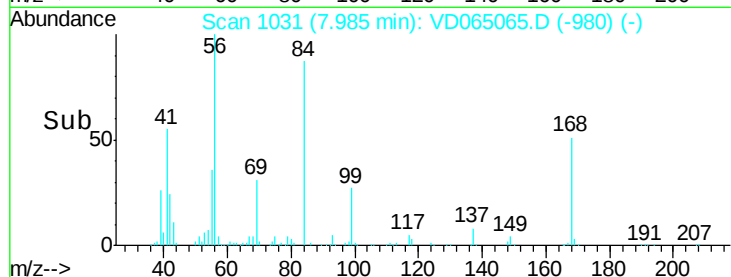
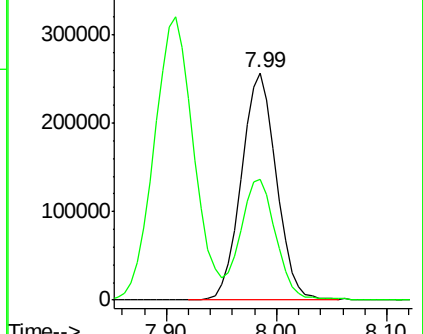
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 146.387 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065065.D

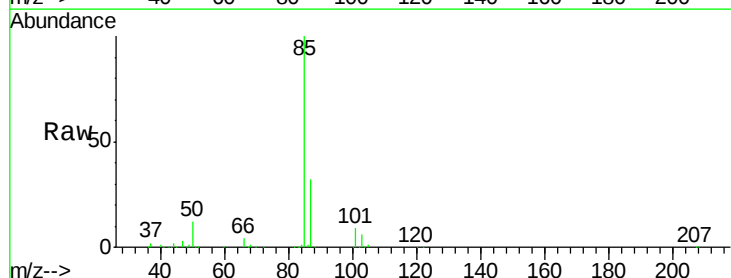
Acq: 05 Feb 2020 15:31

Tgt Ion: 85 Resp: 644049

Ion Ratio Lower Upper

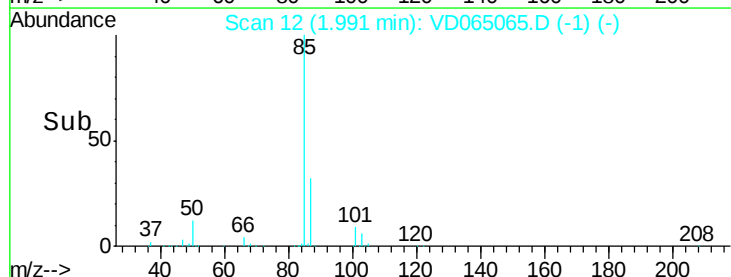
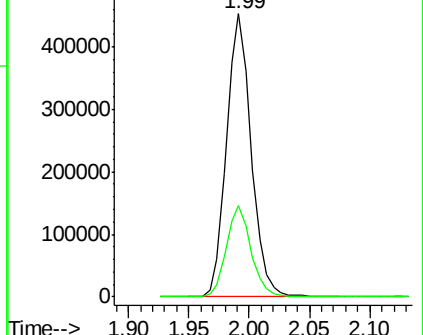
85 100

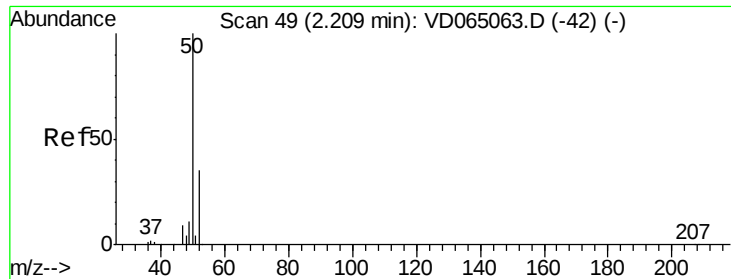
87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 125.565 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 777675

Ion Ratio Lower Upper

50 100

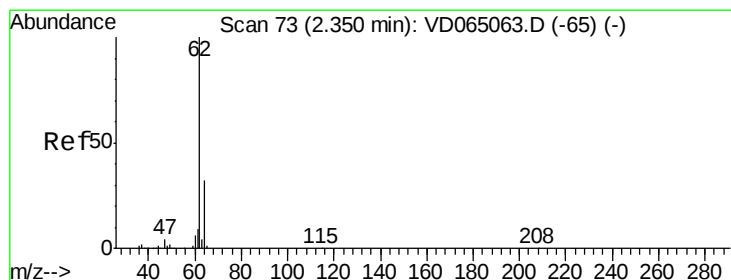
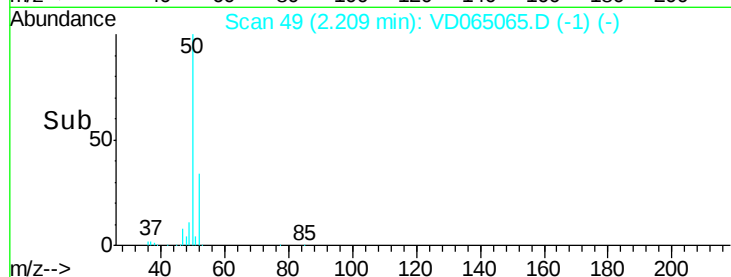
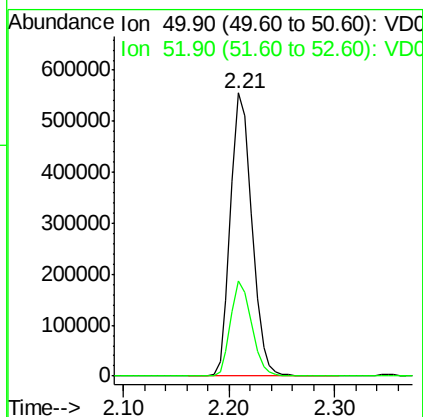
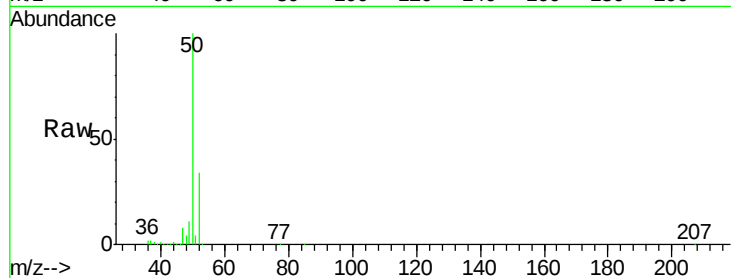
52 33.7 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 115.149 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065065.D

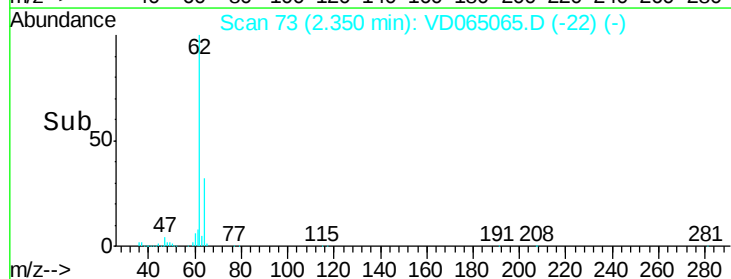
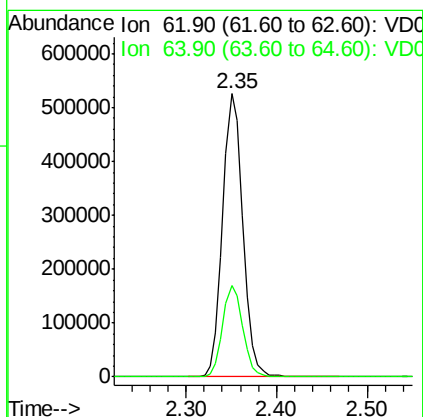
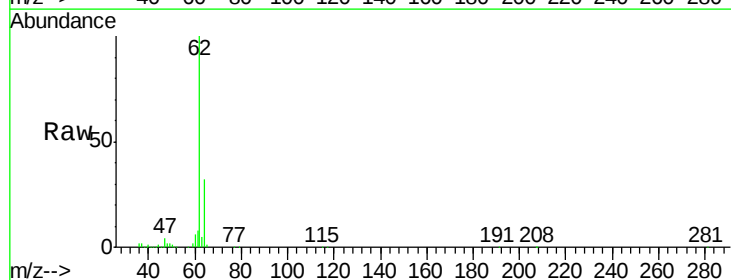
Acq: 05 Feb 2020 15:31

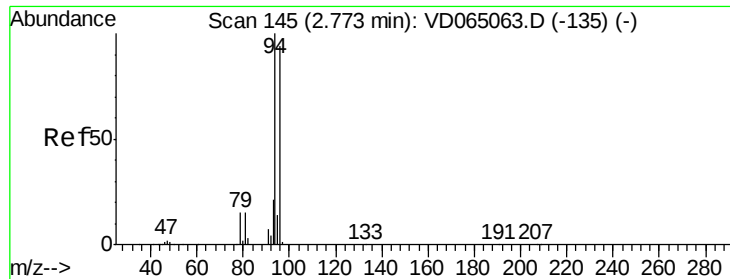
Tgt Ion: 62 Resp: 812832

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9





#5

Bromomethane

Concen: 114.777 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 542313

Ion Ratio Lower Upper

94 100

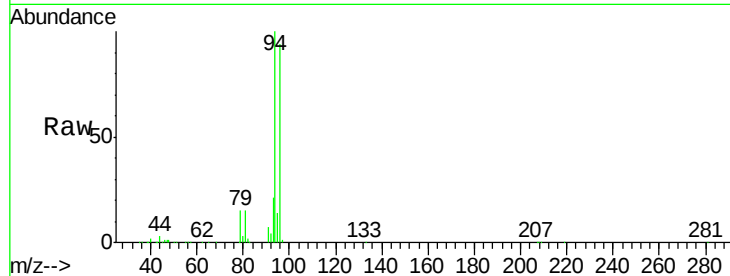
96 93.6 75.4 113.0

Manual Integrations

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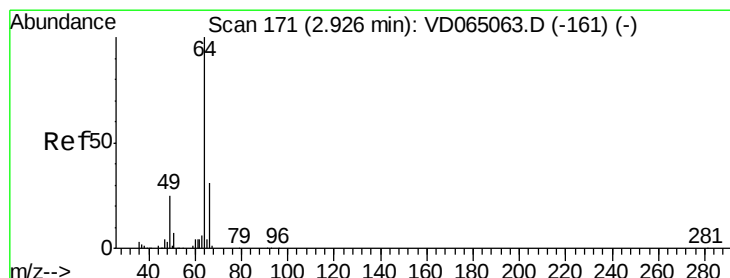
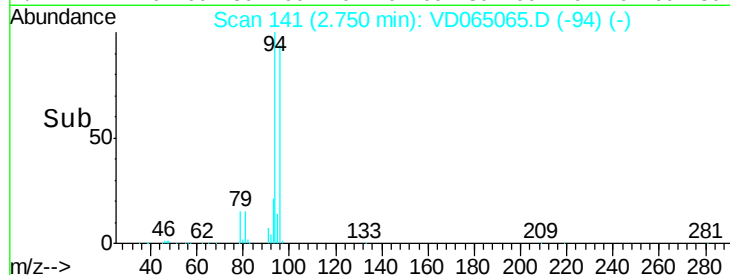
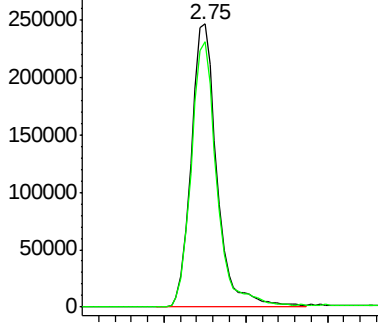
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 112.927 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065065.D

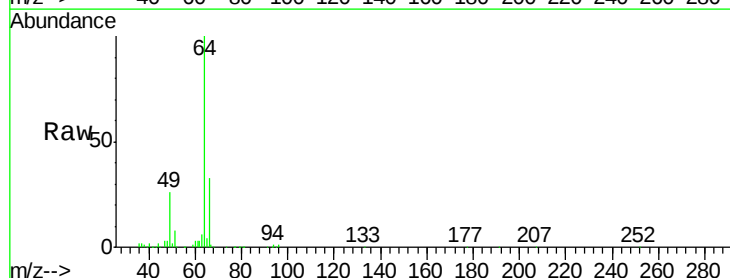
Acq: 05 Feb 2020 15:31

Tgt Ion: 64 Resp: 521082

Ion Ratio Lower Upper

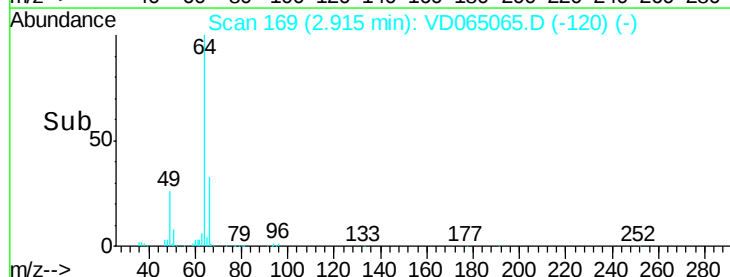
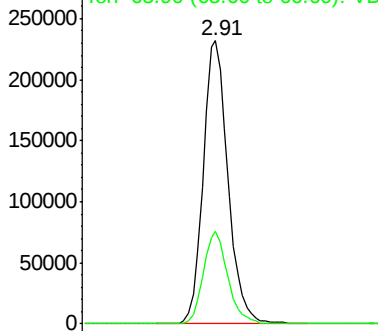
64 100

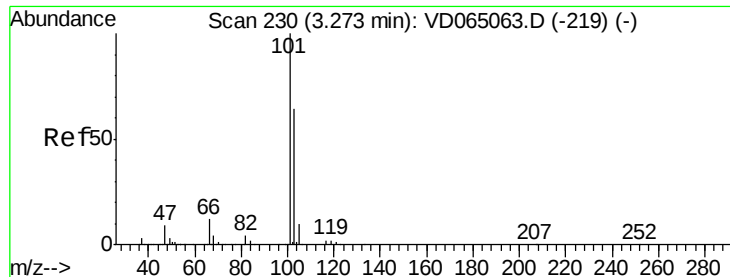
66 32.8 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

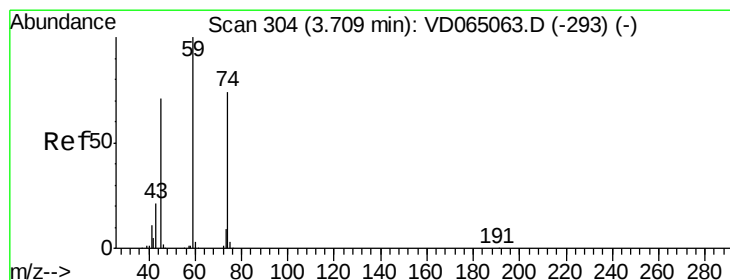
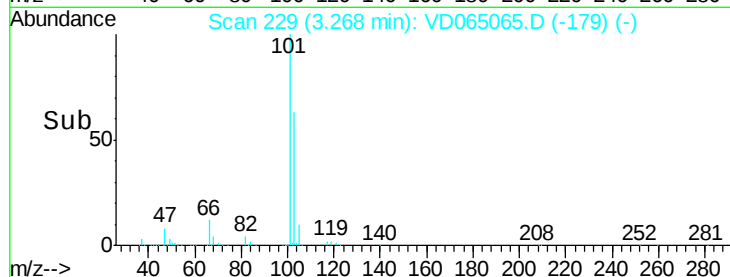
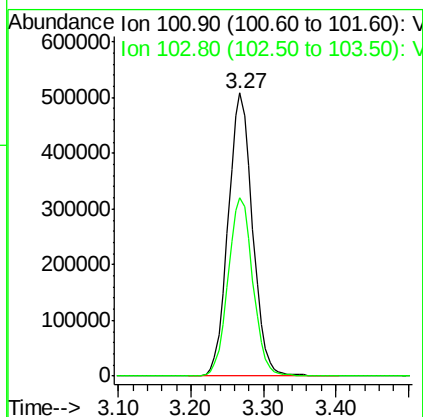
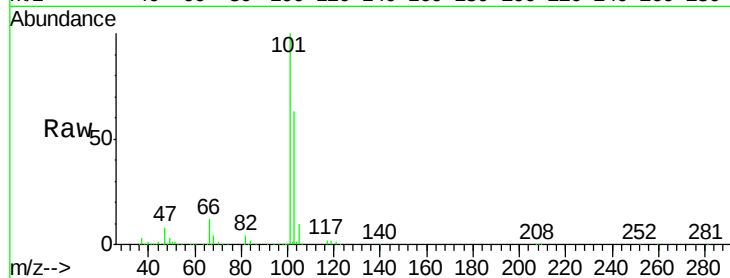
Trichlorofluoromethane
Concen: 109.760 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
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ClientSampleId :
VSTDICC150

Tot Ion:101 Resp: 1187729
Ion Ratio Lower Upper
101 100
103 63.0 51.0 76.6

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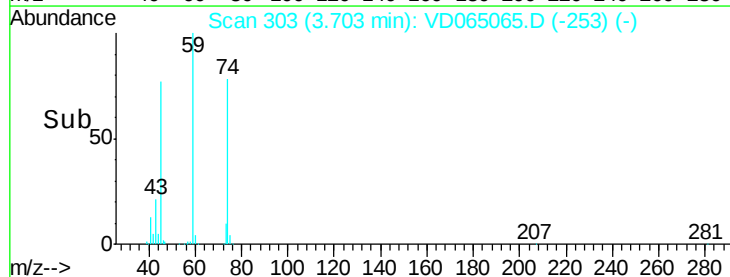
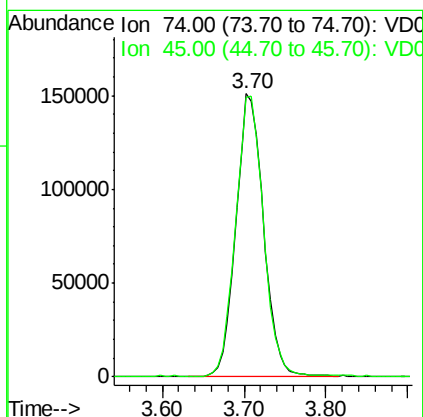
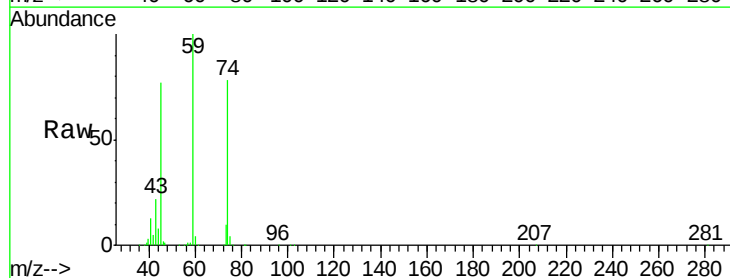
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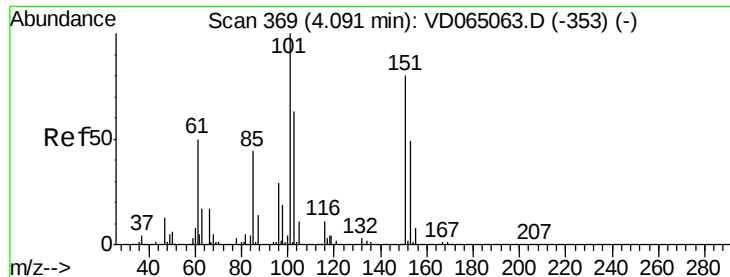


#8

Diethyl Ether
Concen: 141.177 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 74 Resp: 355389
Ion Ratio Lower Upper
74 100
45 99.3 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 132.768 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

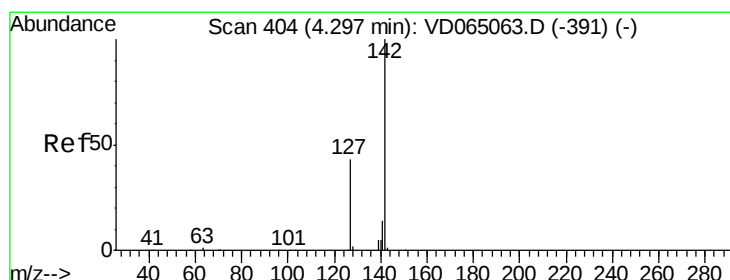
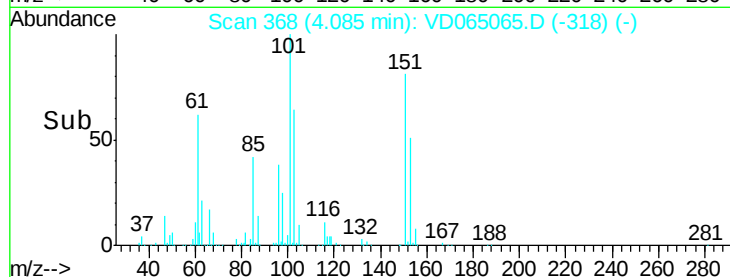
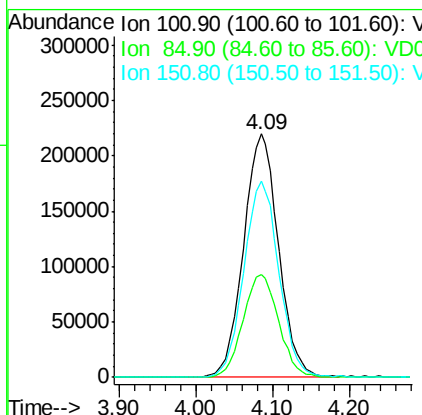
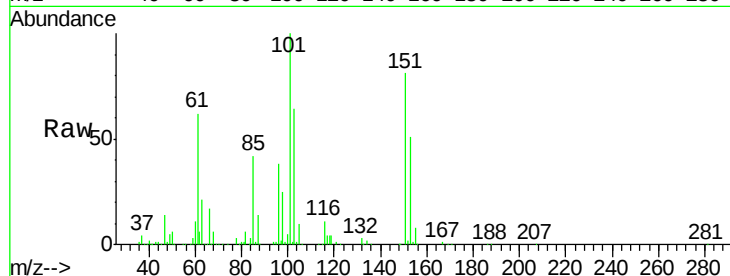
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	696983
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.0	51.0
151	81.2	64.0	96.0

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#10

Methyl Iodide

Concen: 171.740 ug/l

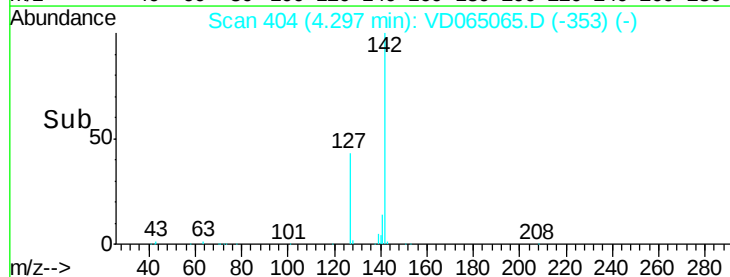
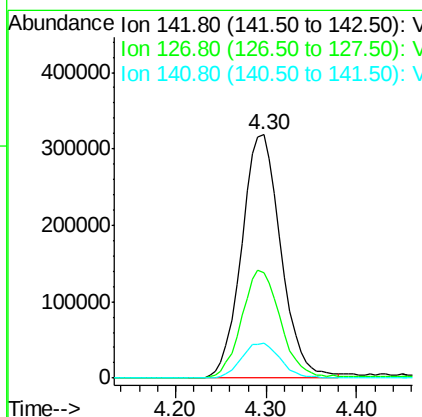
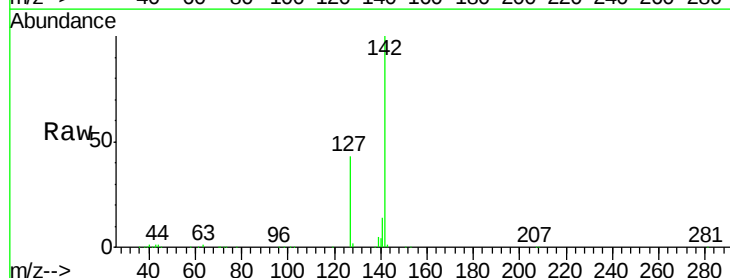
RT: 4.30 min Scan# 404

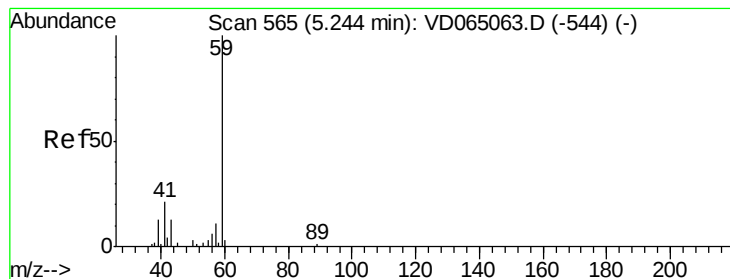
Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Tgt Ion:	142	Resp:	960518
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.0	51.0
141	14.5	11.6	17.4





#11

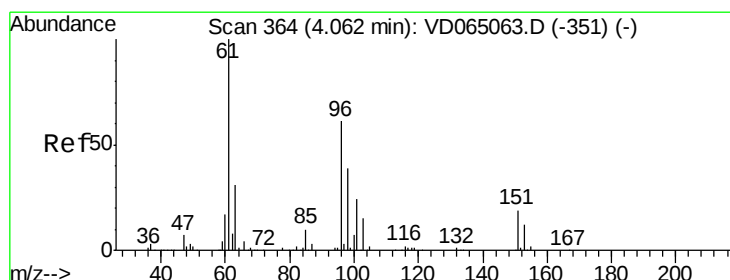
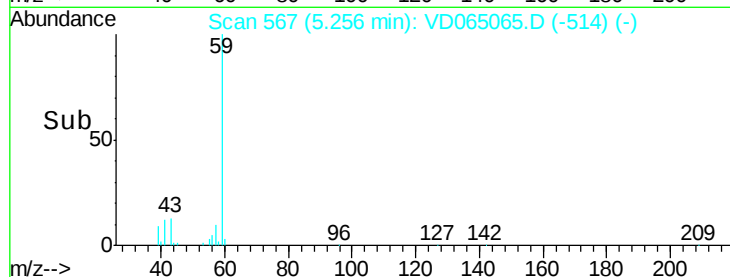
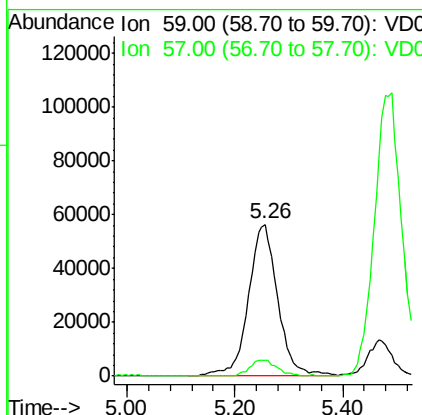
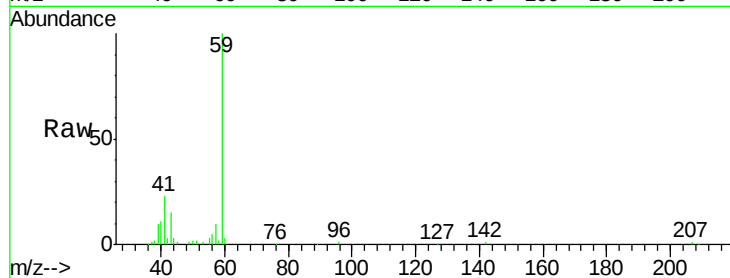
Tert butyl alcohol
Concen: 719.739 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.8	13.2

Manual Integrations
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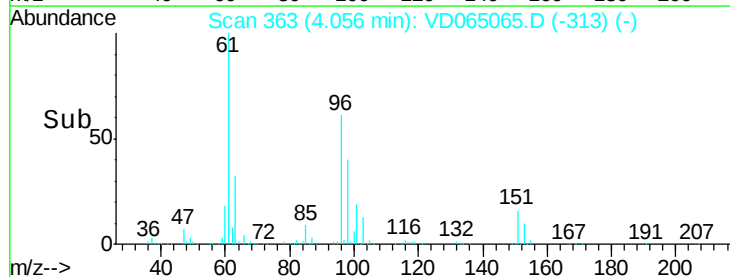
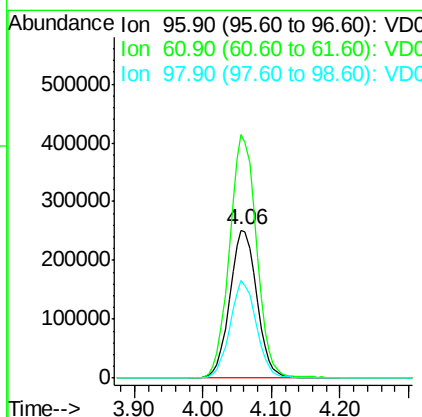
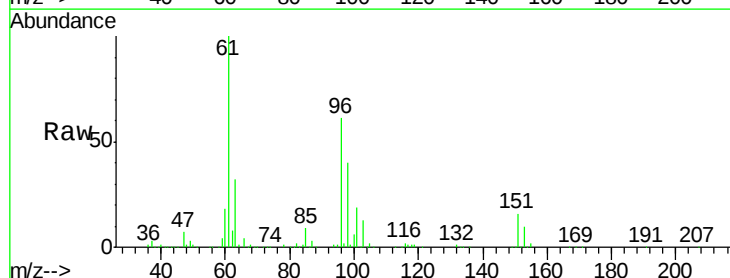
MMDadoda
2/6/2020 10:37:20 AM

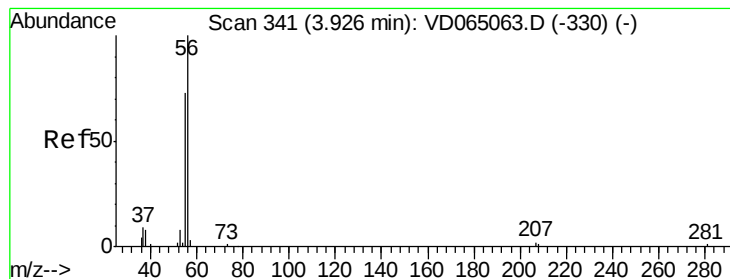


#12

1,1-Dichloroethene
Concen: 138.020 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.7	131.4	197.2
98	65.7	51.1	76.7





#13

Acrolein

Concen: 690.365 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 259393

Ion Ratio Lower Upper

56 100

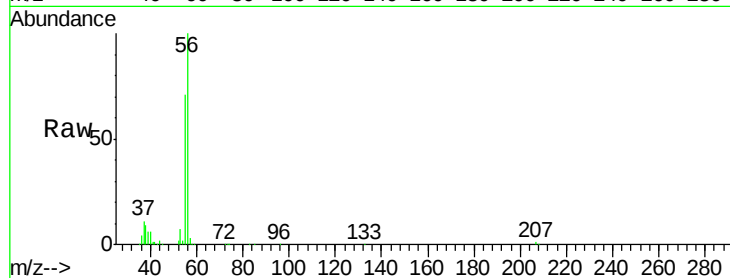
55 69.1 58.2 87.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

100000

80000

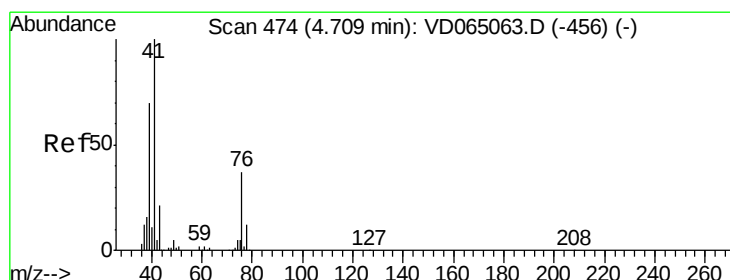
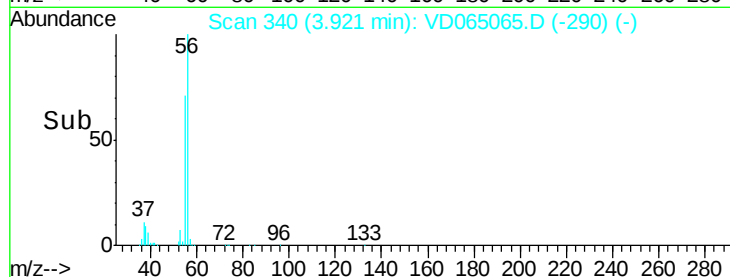
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 151.643 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

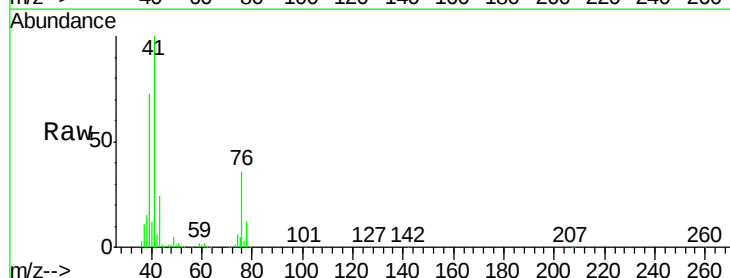
Tgt Ion: 41 Resp: 1216928

Ion Ratio Lower Upper

41 100

39 71.4 57.1 85.7

76 35.2 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

500000

400000

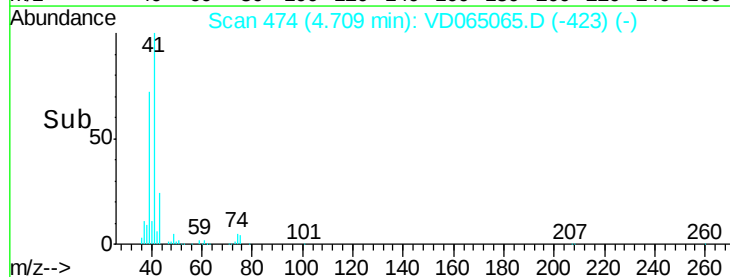
300000

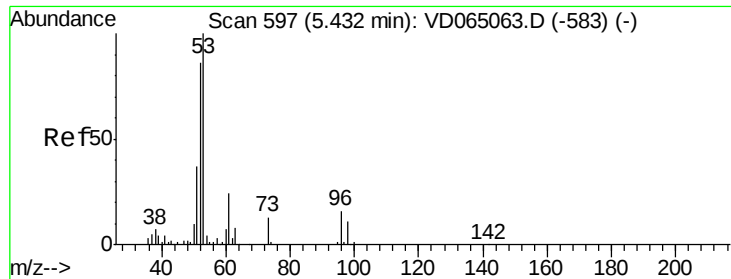
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 740.463 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

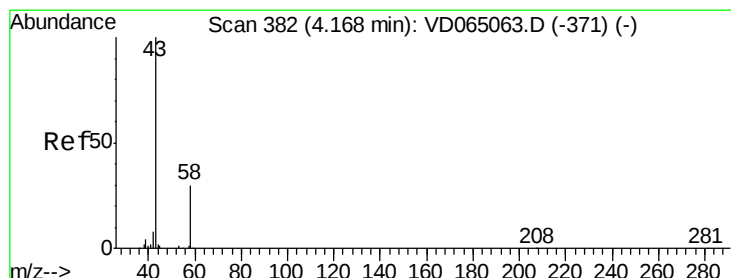
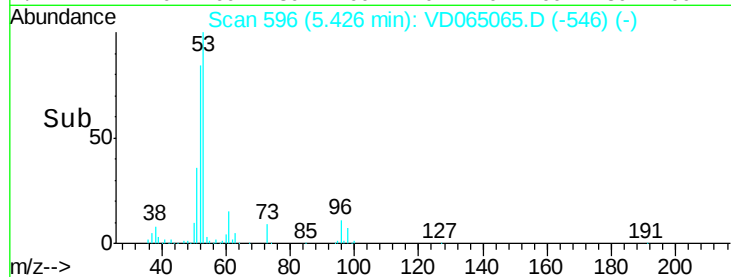
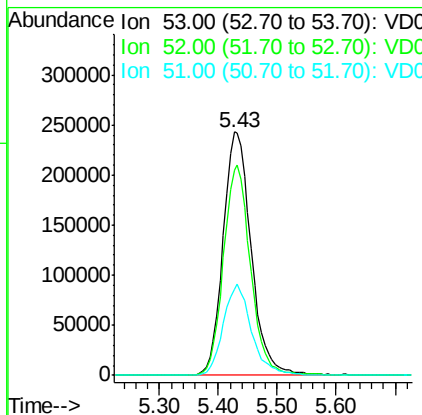
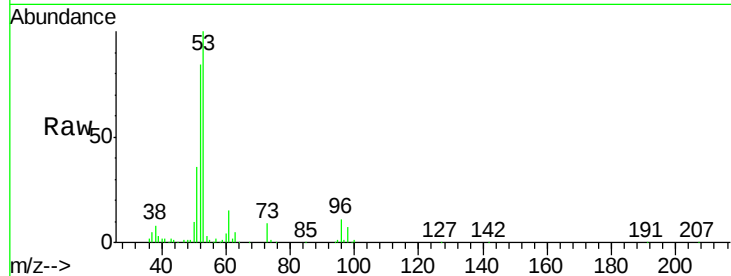
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	806835
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.2	99.2
51	37.6	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 780.117 ug/l

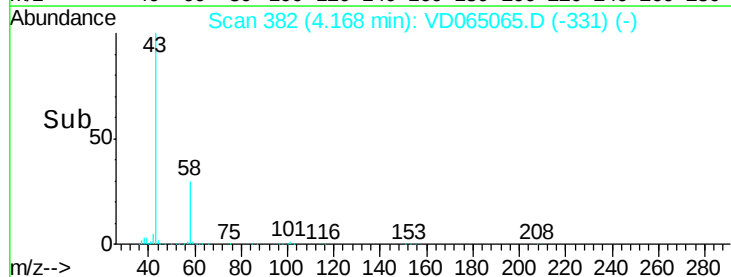
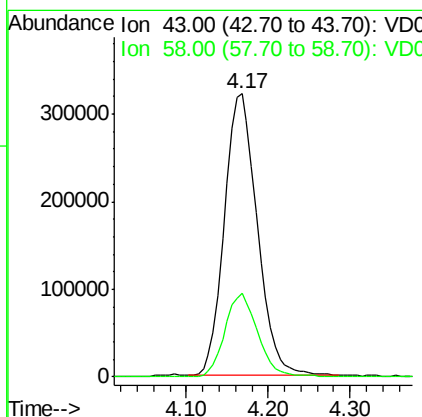
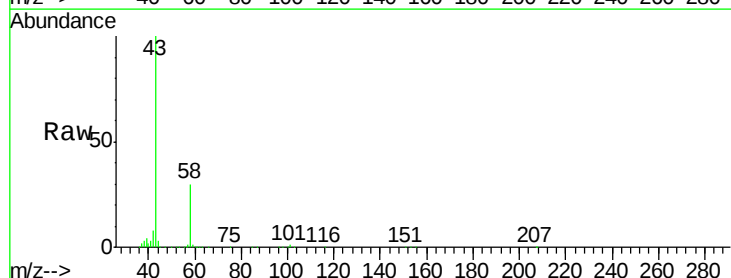
RT: 4.17 min Scan# 382

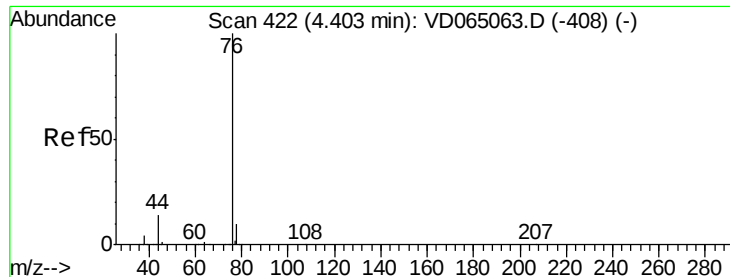
Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Tgt Ion:	43	Resp:	899255
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.5	35.3





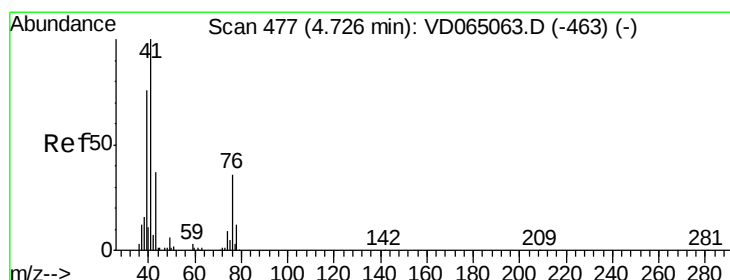
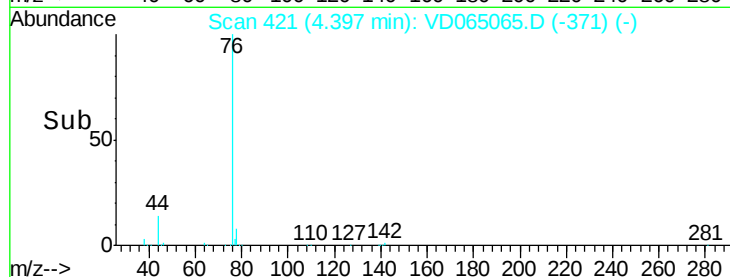
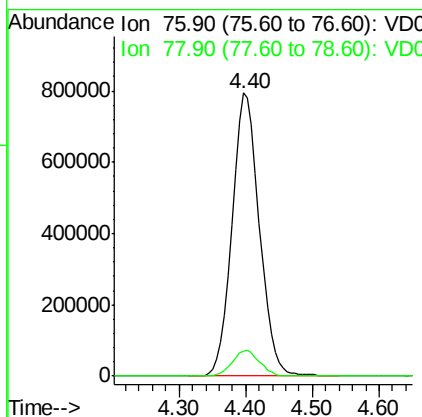
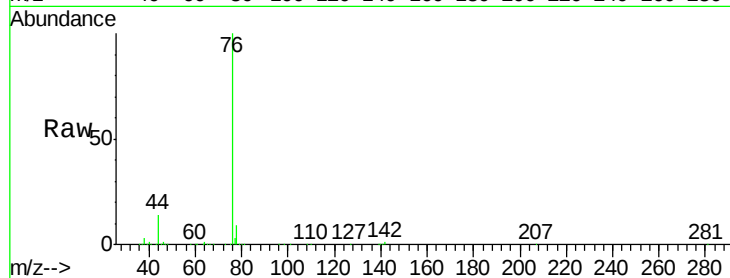
#17
Carbon Disulfide
Concen: 137.849 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2264359
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4

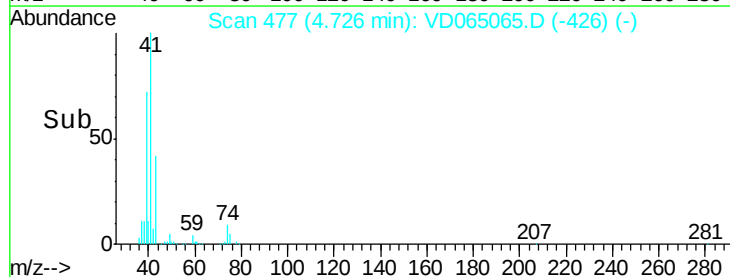
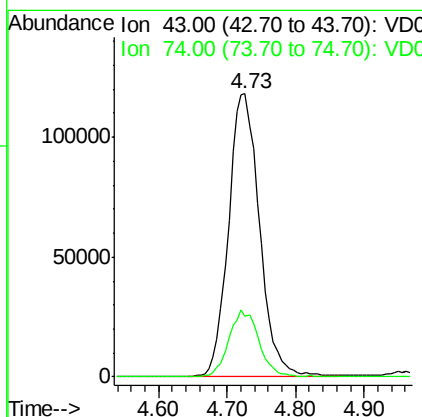
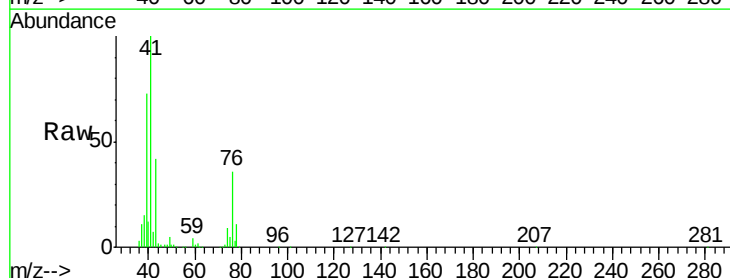
Manual Integrations
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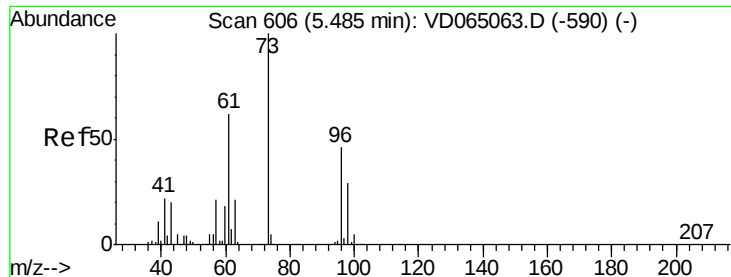
MMDadoda
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#18
Methyl Acetate
Concen: 145.193 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 43 Resp: 369870
Ion Ratio Lower Upper
43 100
74 23.1 18.7 28.1





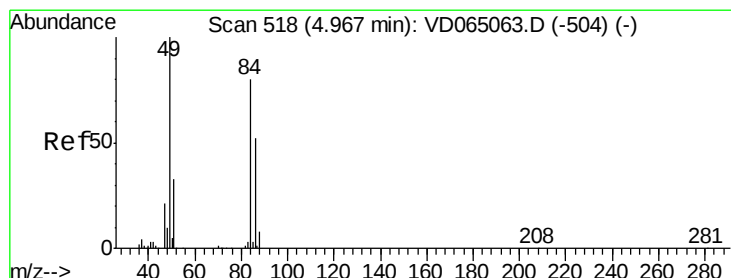
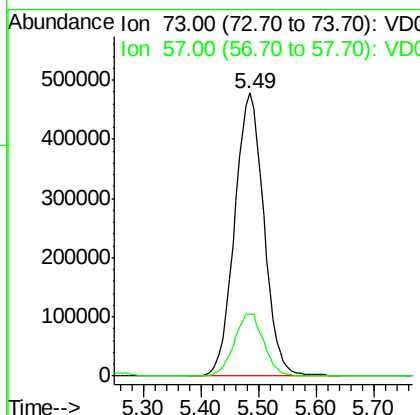
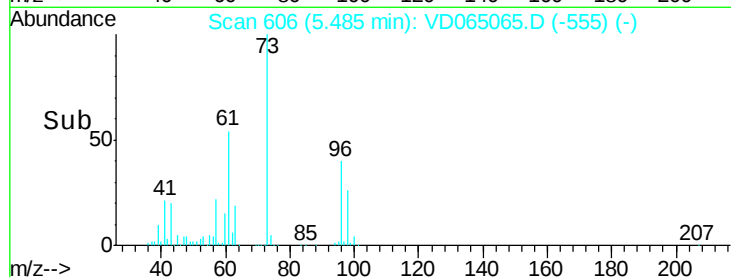
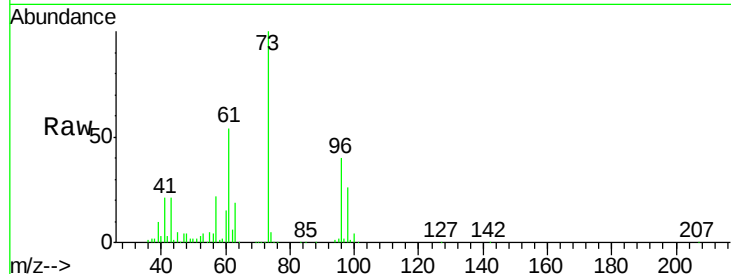
#19
Methyl tert-butyl Ether
Concen: 151.768 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC150

Tot Ion: 73 Resp: 1680960
Ion Ratio Lower Upper
73 100
57 21.8 16.8 25.2

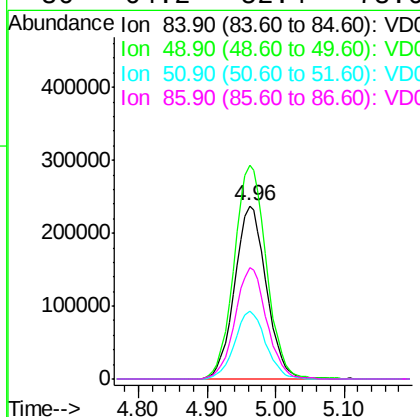
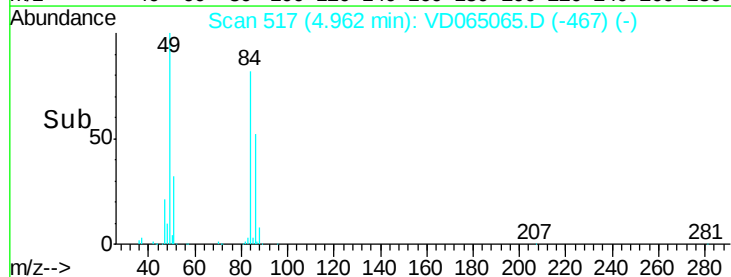
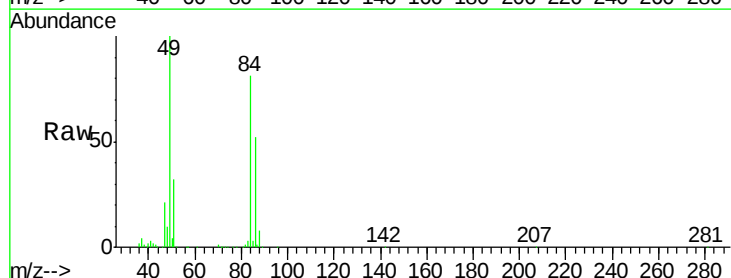
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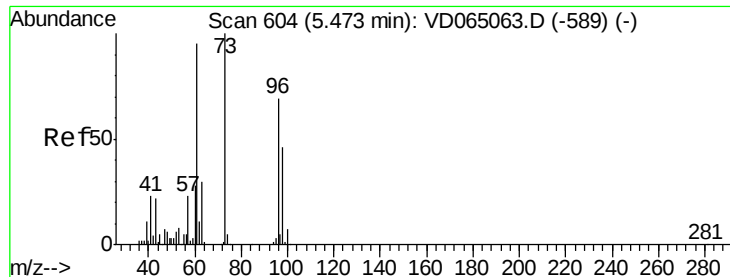
MMDadoda
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#20
Methylene Chloride
Concen: 119.676 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 84 Resp: 761261
Ion Ratio Lower Upper
84 100
49 123.4 100.4 150.6
51 39.3 32.7 49.1
86 64.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 141.376 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 810278

Ion Ratio Lower Upper

96 100

61 138.0 109.5 164.3

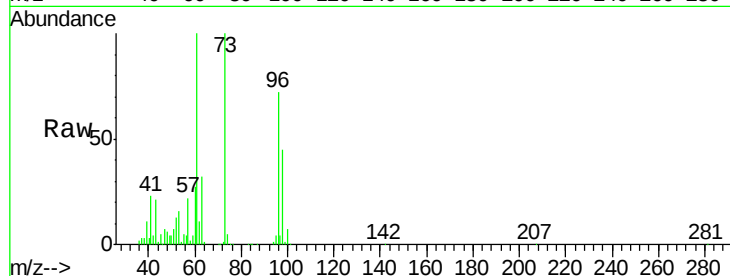
98 62.0 53.7 80.5

Manual Integrations

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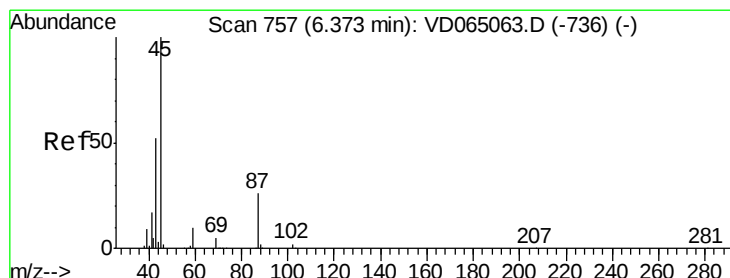
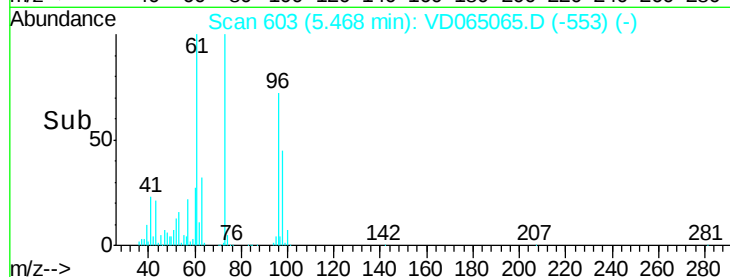
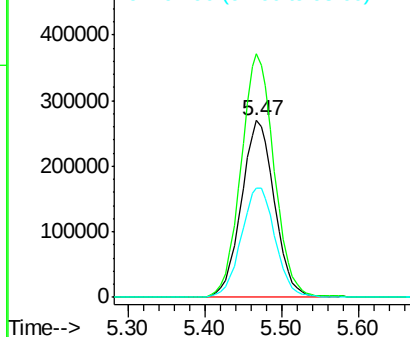


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 149.334 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Tgt Ion: 45 Resp: 2361315

Ion Ratio Lower Upper

45 100

43 53.6 41.3 61.9

87 26.2 21.0 31.6

59 11.3 8.2 12.4

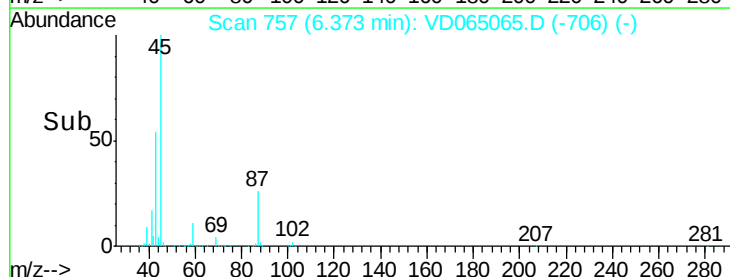
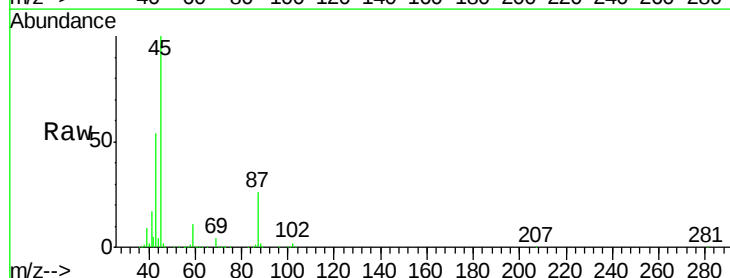
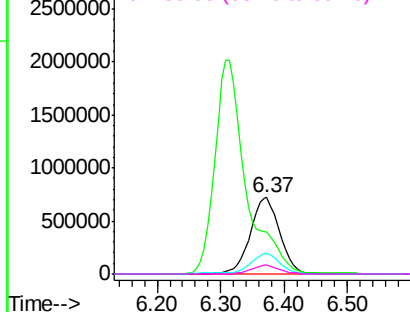
Abundance

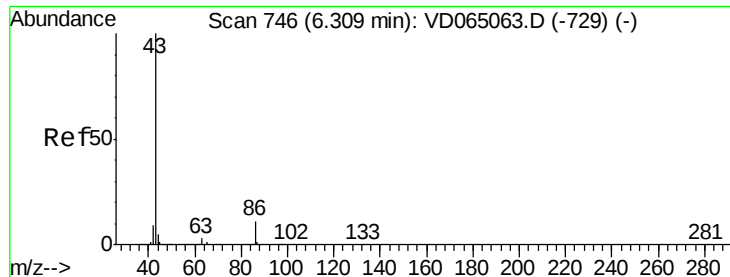
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 756.018 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6928689

Ion Ratio Lower Upper

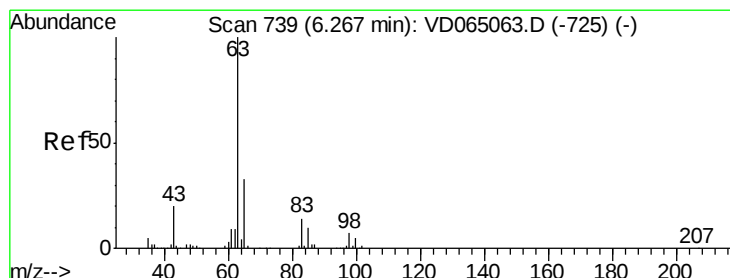
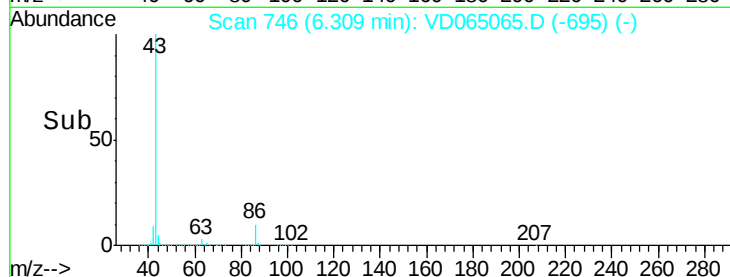
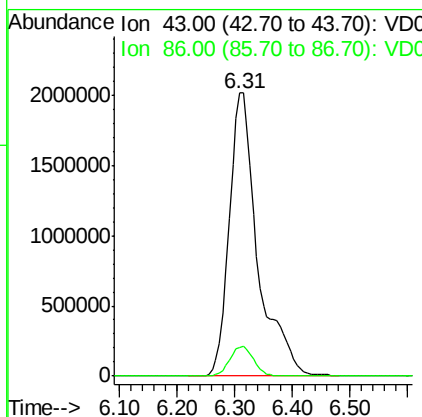
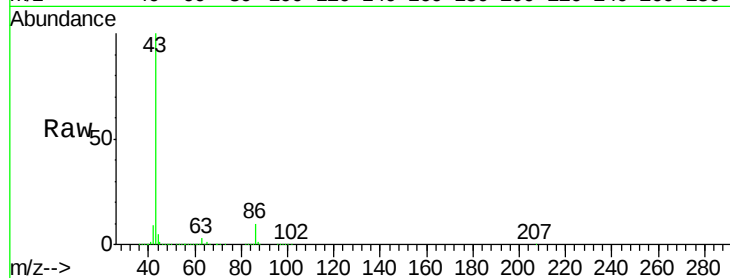
43 100

86 10.3 8.5 12.7

Manual Integrations
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MMDadoda

2/6/2020 10:37:20 AM



#24

1,1-Dichloroethane

Concen: 141.424 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

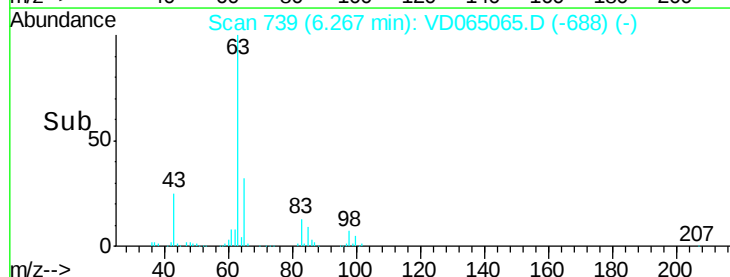
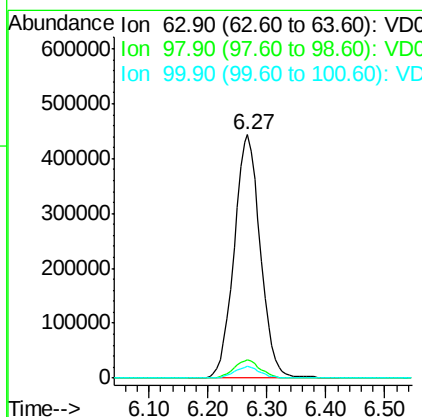
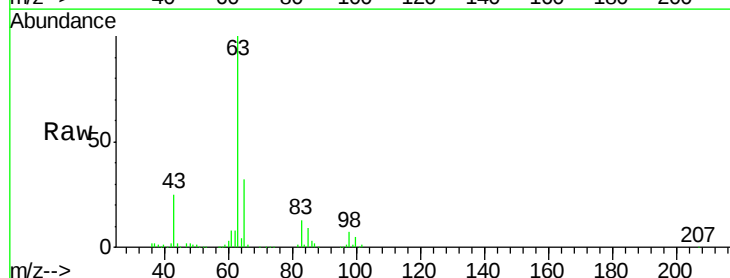
Tgt Ion: 63 Resp: 1371904

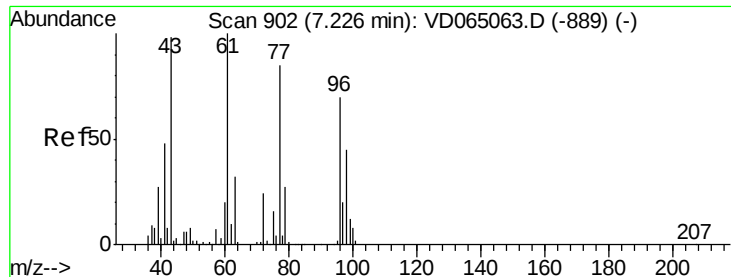
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.9 2.5 7.6





#25

2-Butanone

Concen: 767.321 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1117917

Ion Ratio Lower Upper

43 100

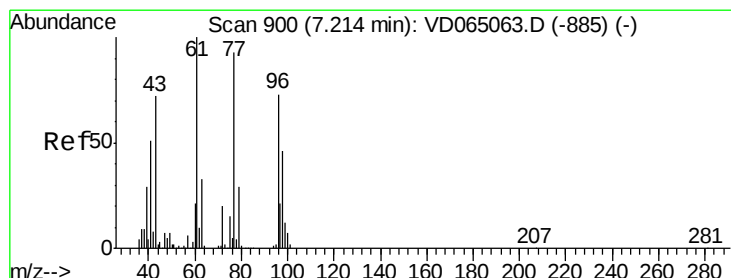
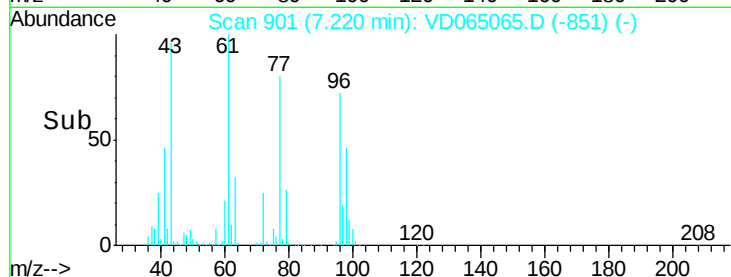
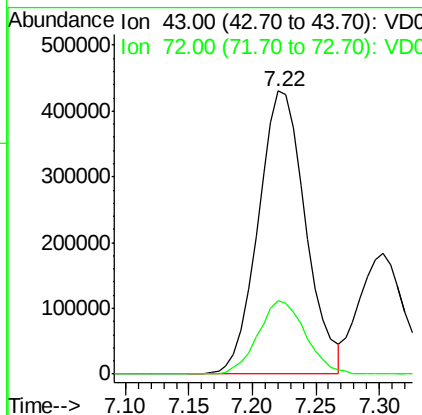
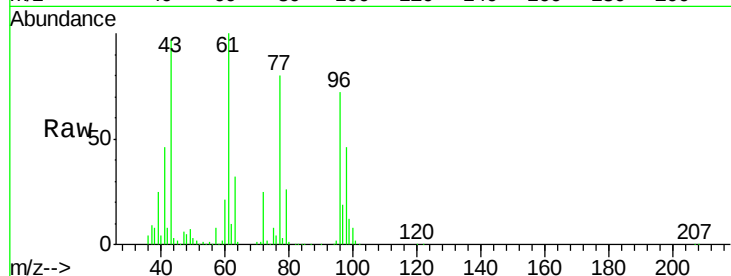
72 25.8 19.9 29.9

Manual Integrations

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2/6/2020 10:37:20 AM



#26

2,2-Dichloropropane

Concen: 134.192 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065065.D

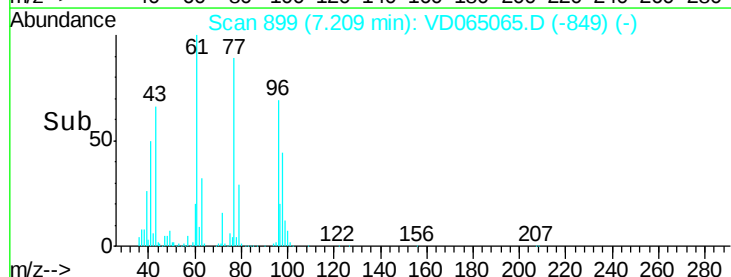
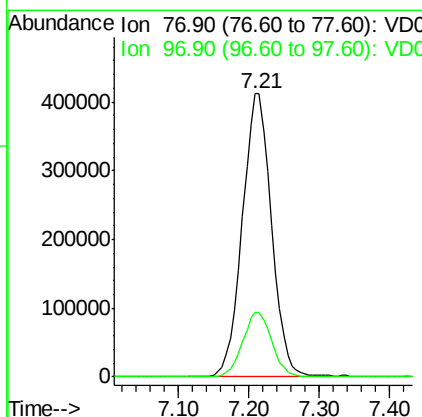
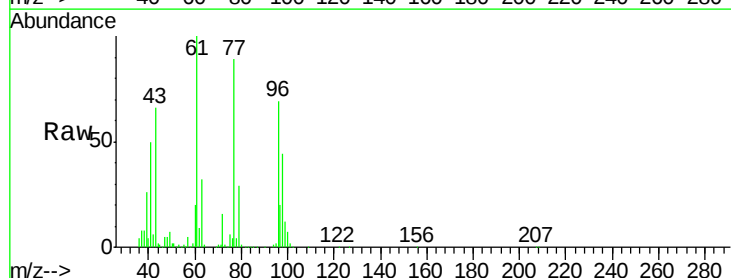
Acq: 05 Feb 2020 15:31

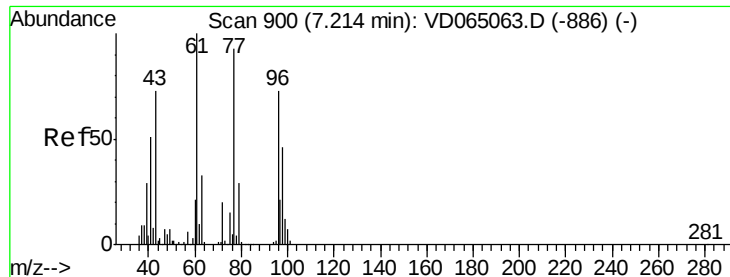
Tgt Ion: 77 Resp: 1187878

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.6





#27

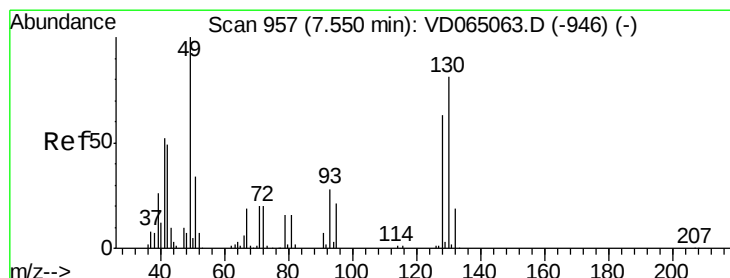
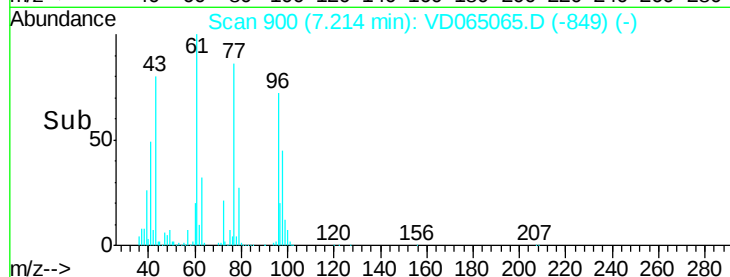
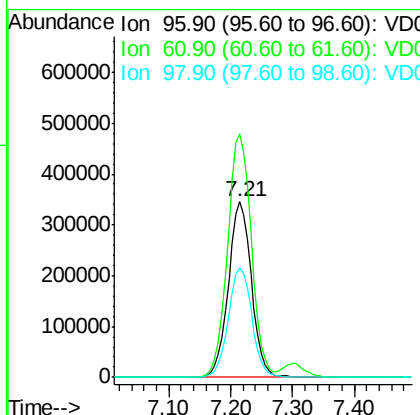
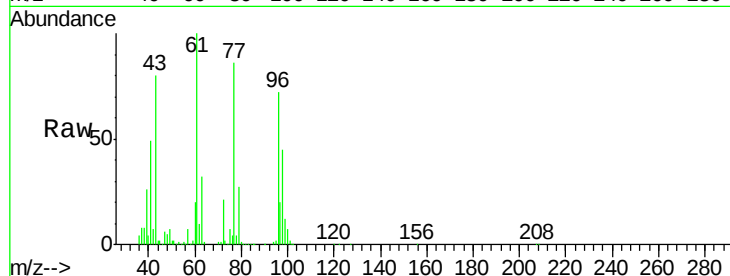
cis-1,2-Dichloroethene
Concen: 146.161 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.1	0.0	292.8	
98	64.1	0.0	128.8	

Manual Integrations
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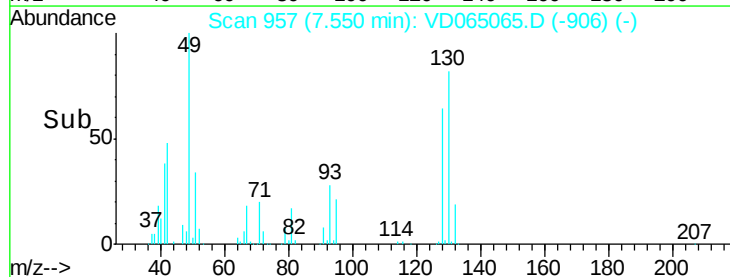
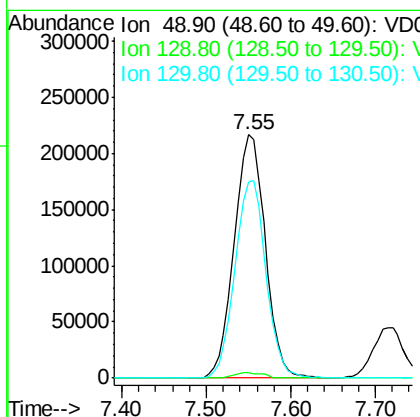
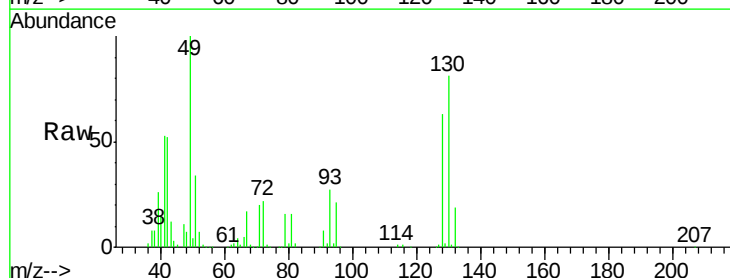
MMDadoda
2/6/2020 10:37:20 AM

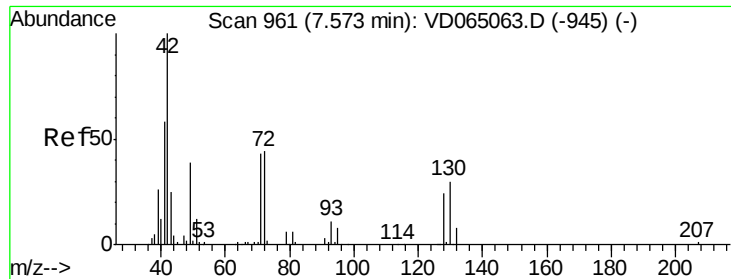


#28

Bromochloromethane
Concen: 147.597 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.4	
130	80.9	63.8	95.8	





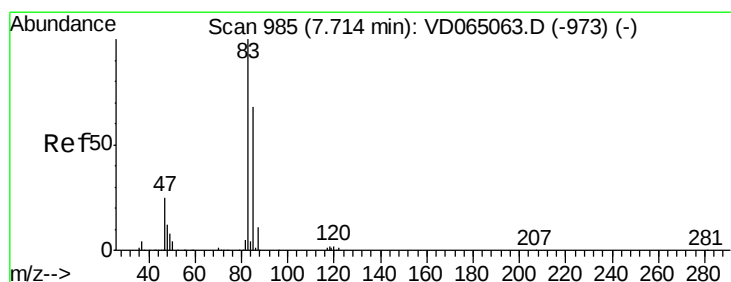
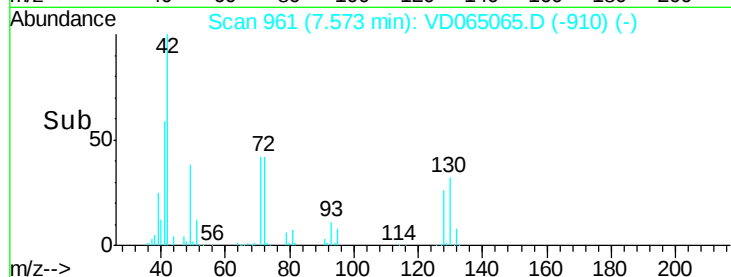
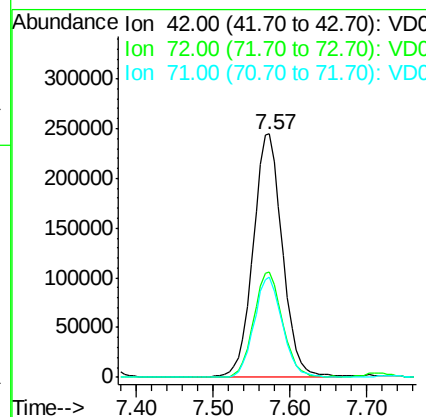
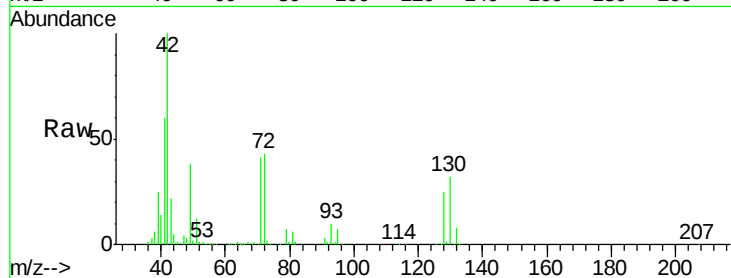
#29
Tetrahydrofuran
Concen: 721.555 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.4
71	39.7	31.8	47.6

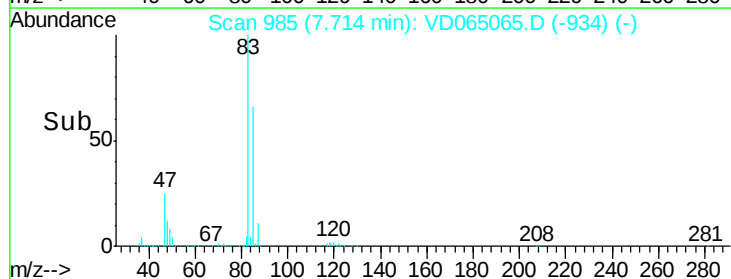
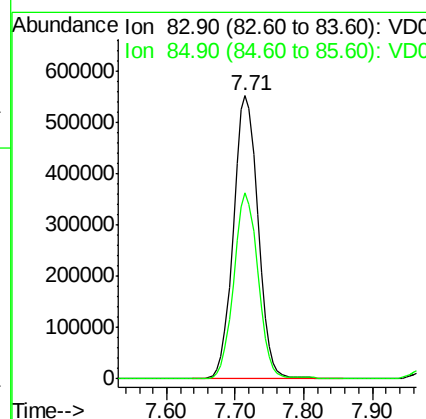
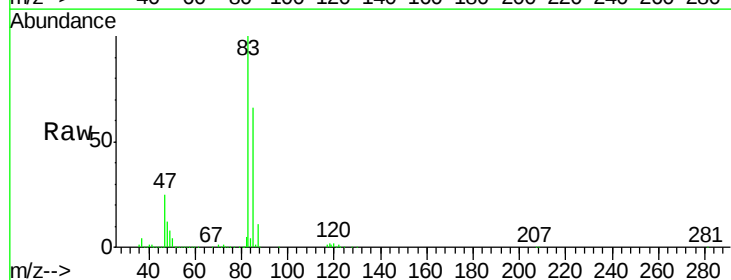
Manual Integrations
APPROVED

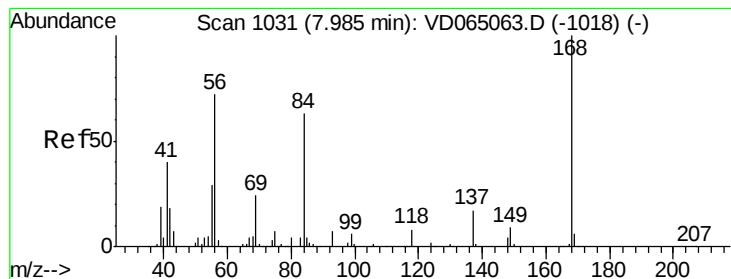
MMDadoda
2/6/2020 10:37:20 AM



#30
Chloroform
Concen: 137.943 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	54.2	81.4





#31

Cyclohexane

Concen: 129.885 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1248431

Ion Ratio Lower Upper

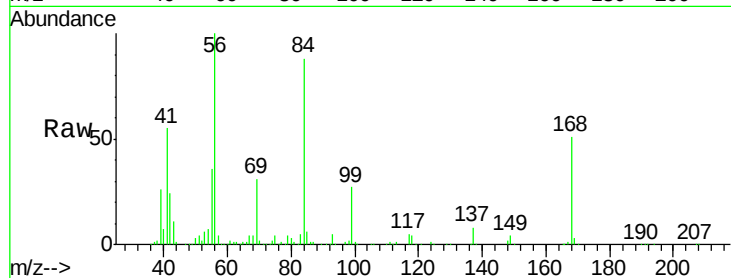
56 100

69 31.1 26.6 40.0

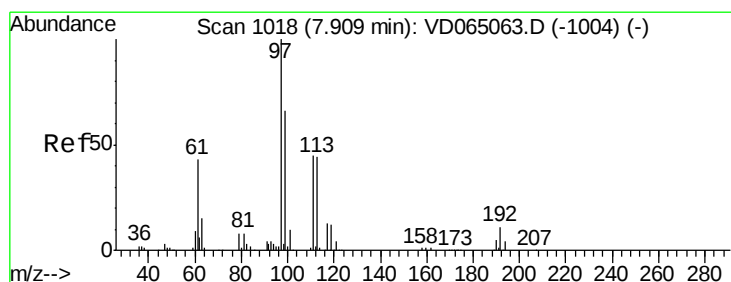
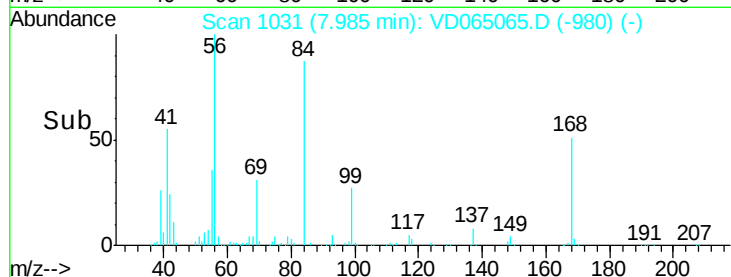
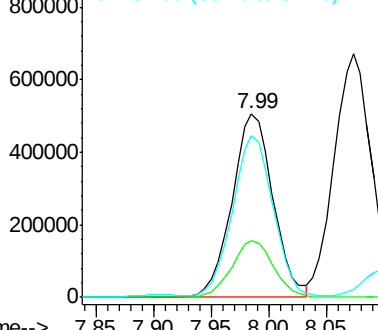
84 86.5 70.6 106.0

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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 133.919 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

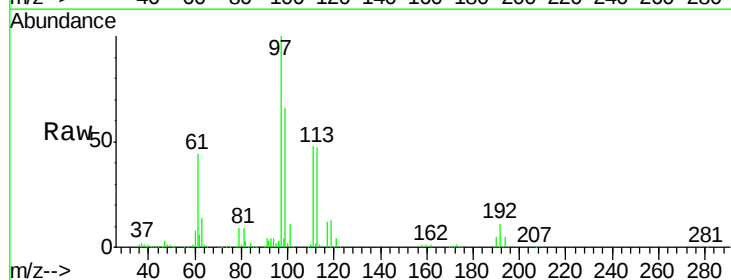
Tgt Ion: 97 Resp: 1245479

Ion Ratio Lower Upper

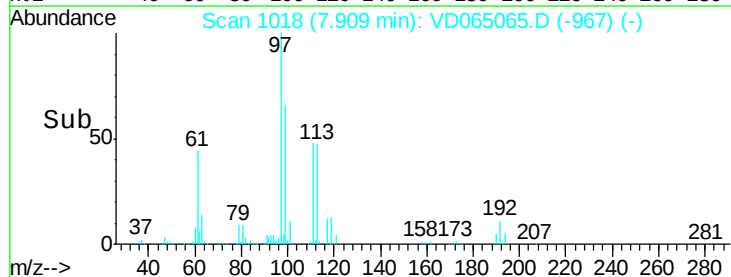
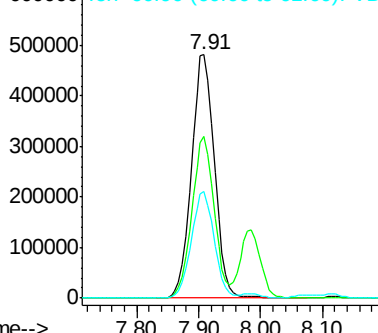
97 100

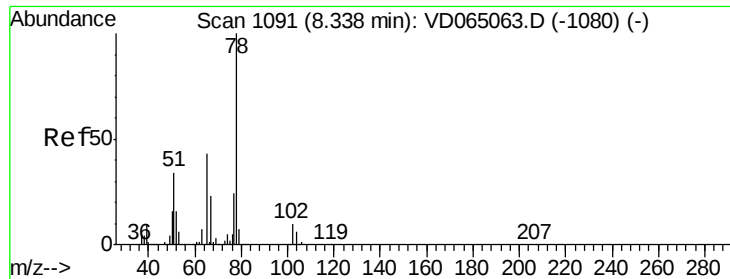
99 64.3 51.5 77.3

61 43.4 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 140.121 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 752449

Ion Ratio Lower Upper

65 100

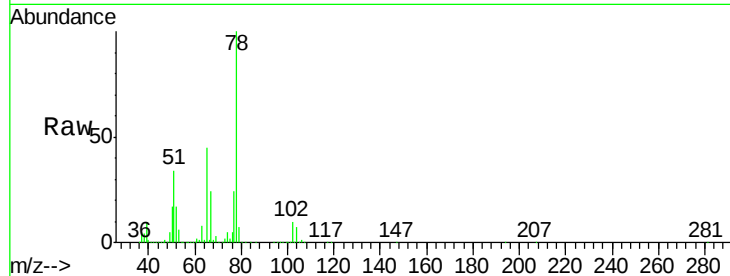
67 52.4 0.0 105.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

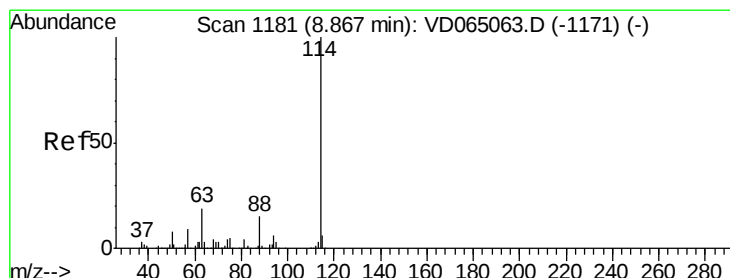
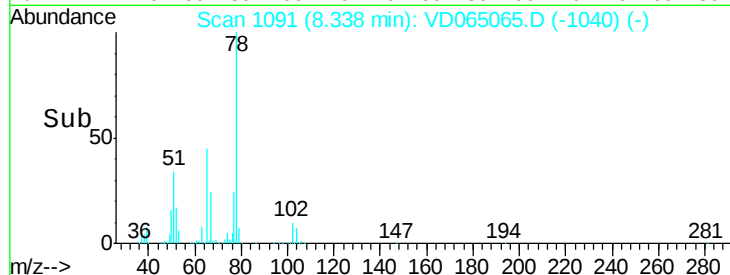
300000

200000

100000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

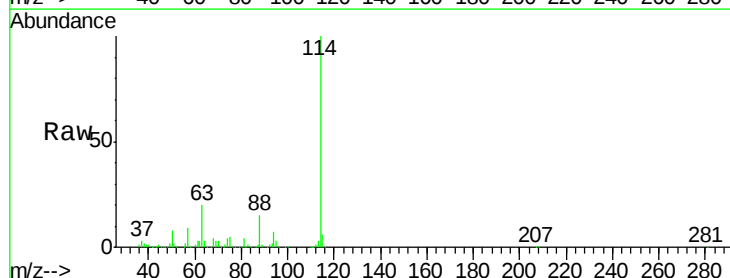
Tgt Ion: 114 Resp: 853152

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 15.3 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

600000

500000

400000

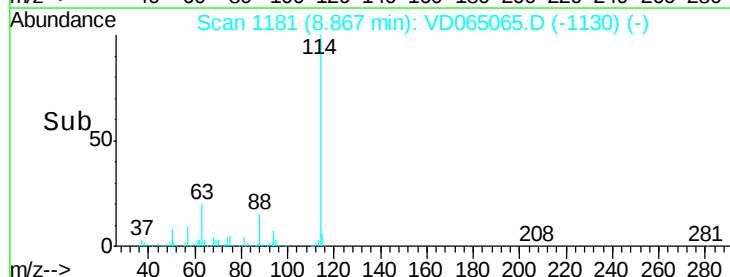
300000

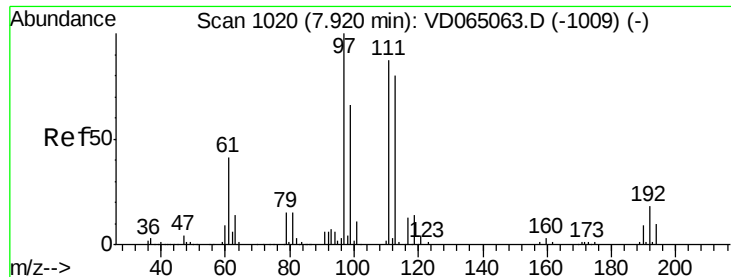
200000

100000

0

Time--> 8.80 8.90 9.00





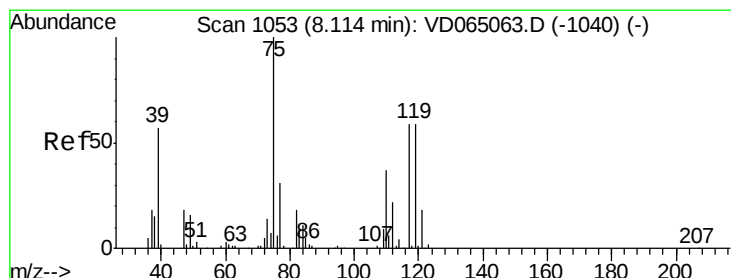
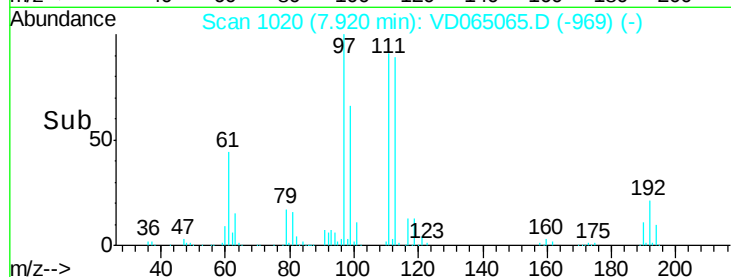
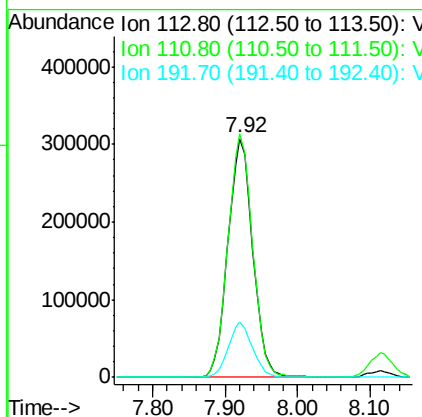
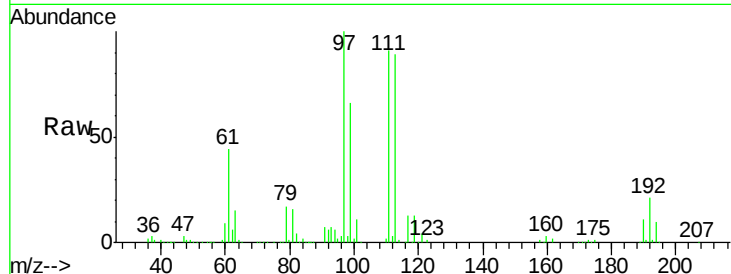
#35
 Dibromofluoromethane
 Concen: 138.762 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.1	124.7
192	22.5	18.1	27.1

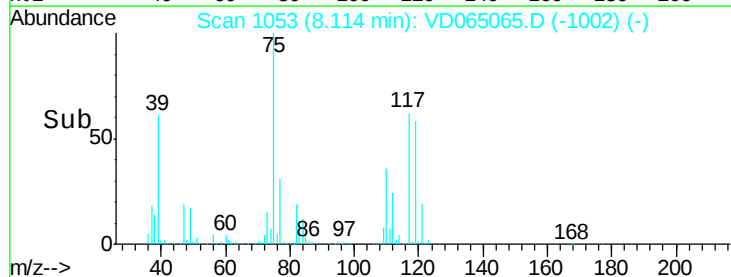
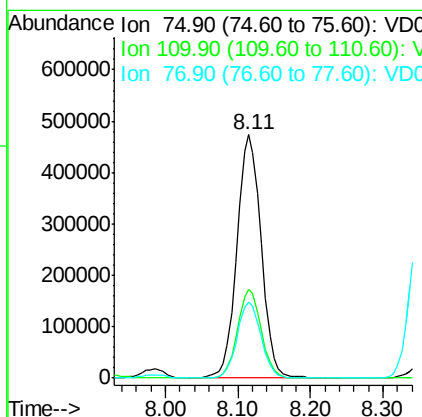
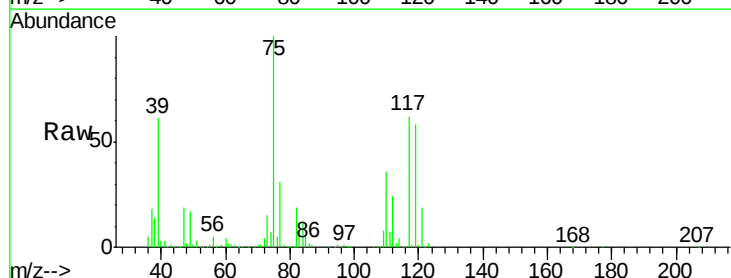
Manual Integrations
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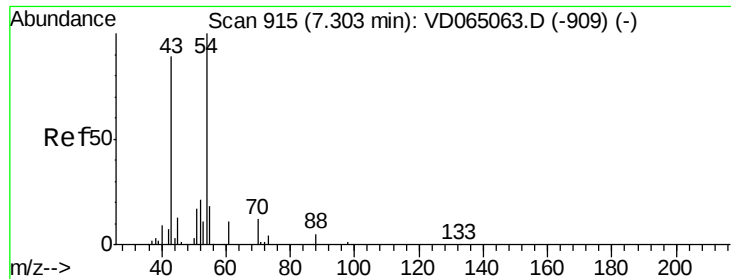
MMDadoda
 2/6/2020 10:37:20 AM



#36
 1,1-Dichloropropene
 Concen: 133.423 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.3
77	30.9	24.7	37.1





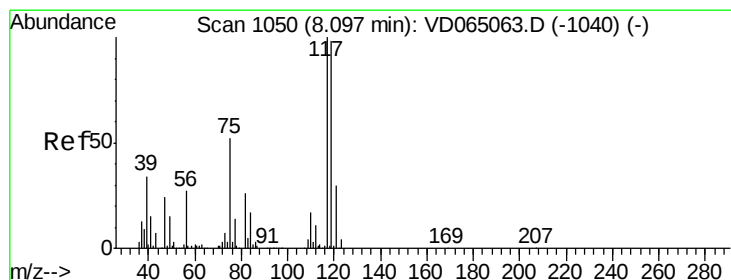
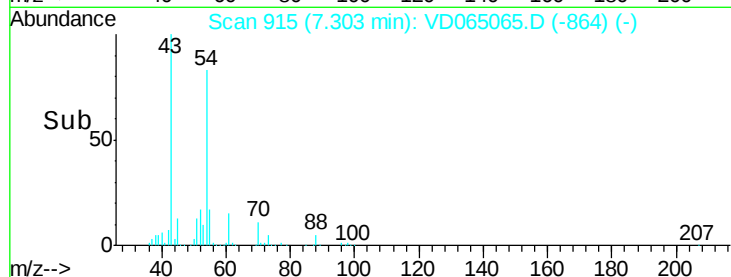
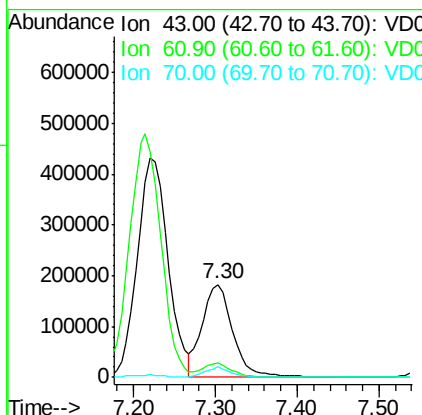
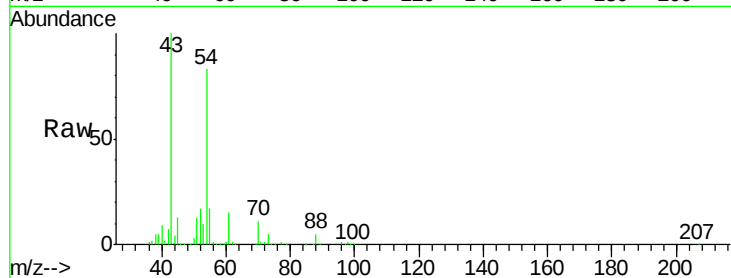
#37
Ethyl Acetate
Concen: 139.372 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	9.9	8.2	12.2

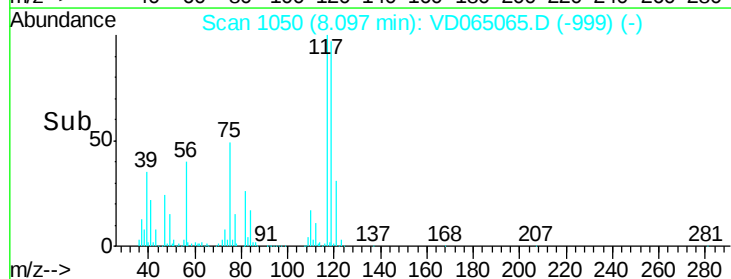
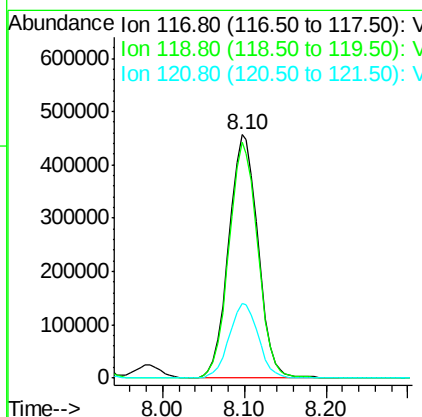
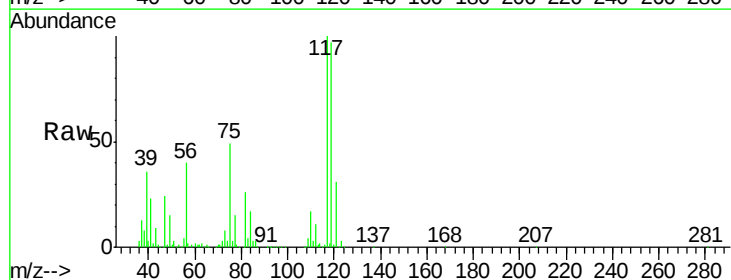
Manual Integrations
APPROVED

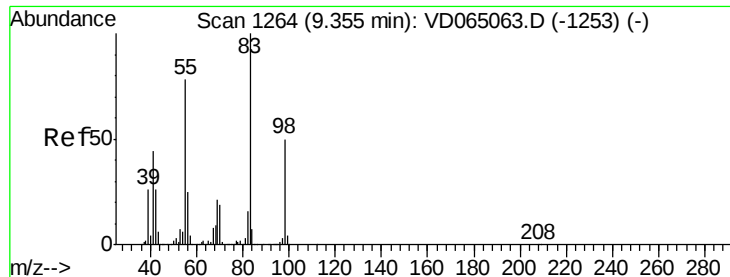
MMDadoda
2/6/2020 10:37:20 AM



#38
Carbon Tetrachloride
Concen: 131.266 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.5	117.7
121	30.9	23.8	35.6





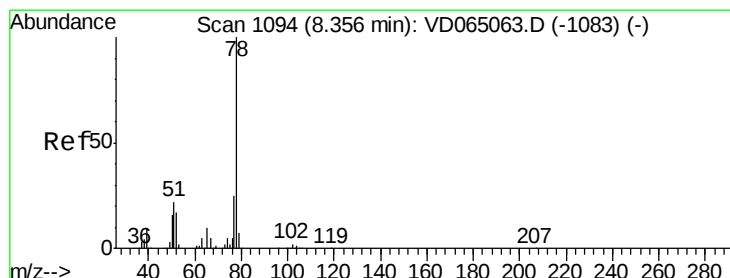
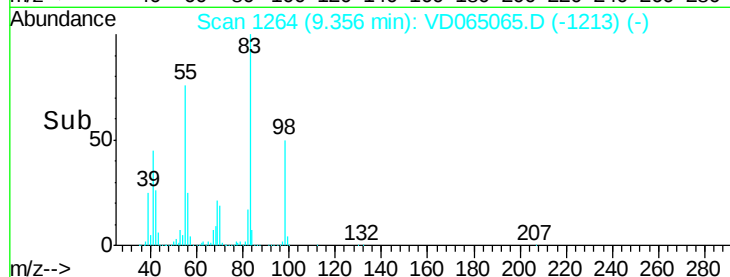
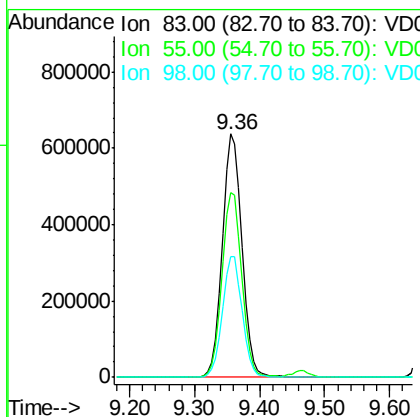
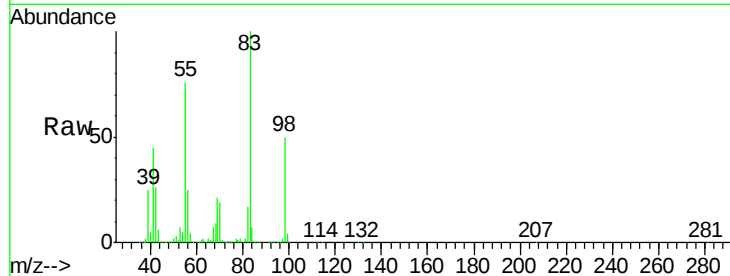
#39
Methvlcvclohexane
Concen: 138.163 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1337954
Ion Ratio Lower Upper
83 100
55 75.9 62.0 93.0
98 49.8 39.9 59.9

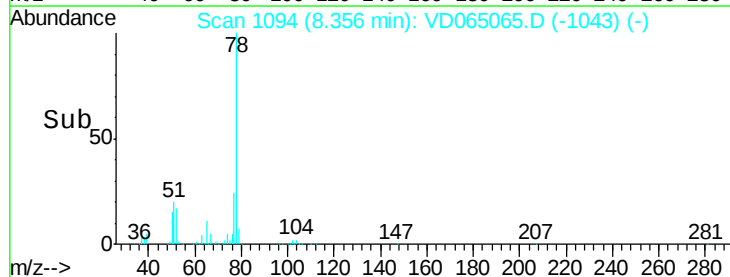
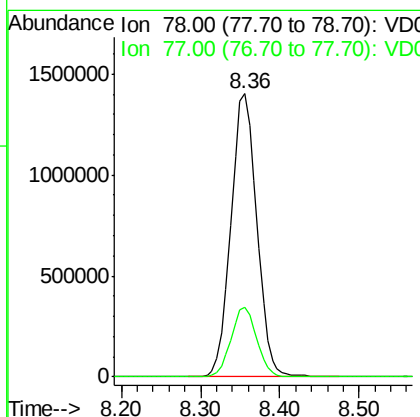
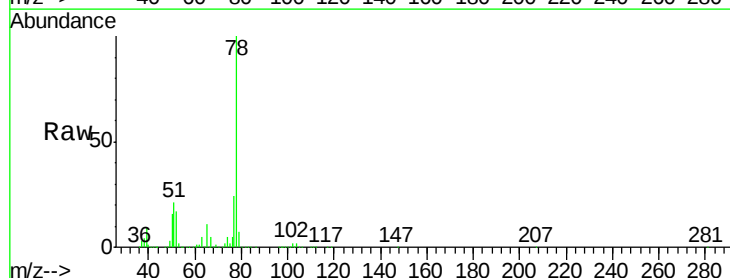
Manual Integrations
APPROVED

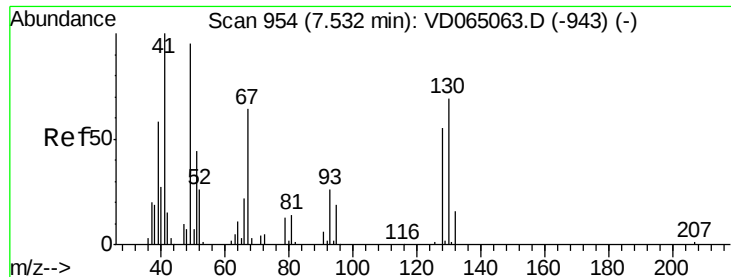
MMDadoda
2/6/2020 10:37:20 AM



#40
Benzene
Concen: 140.683 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 78 Resp: 3179283
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4





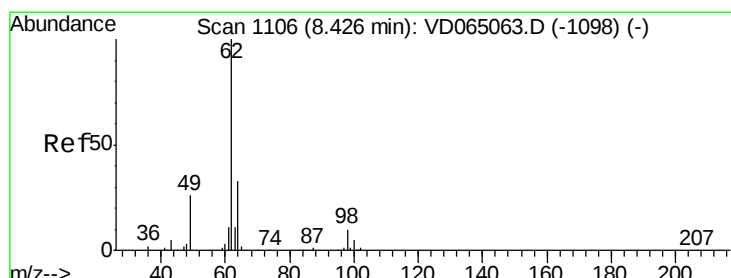
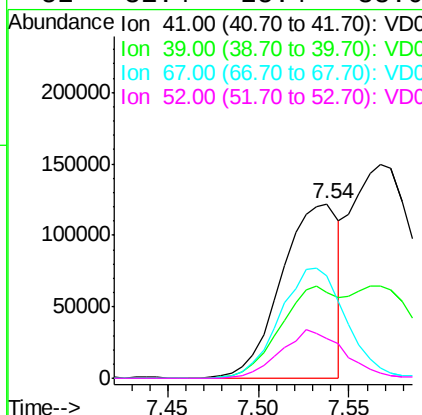
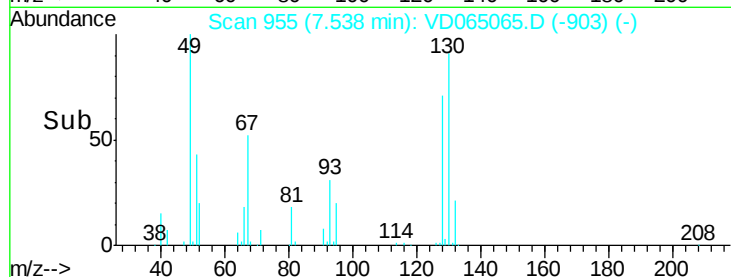
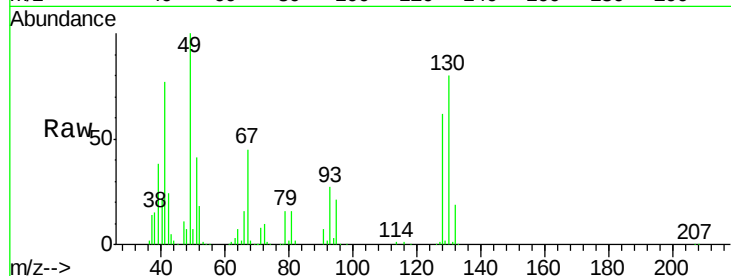
#41
Methacrylonitrile
Concen: 150.855 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	55.4	83.0#
67	73.6	59.0	88.6
52	31.4	25.4	38.0

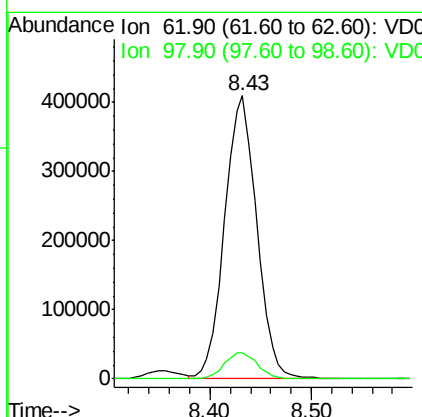
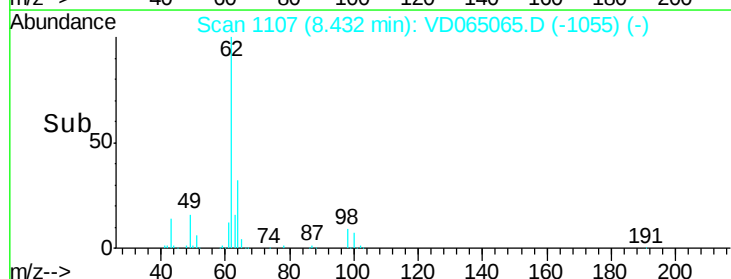
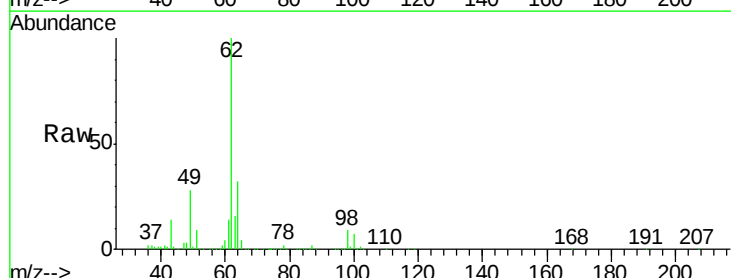
Manual Integrations
APPROVED

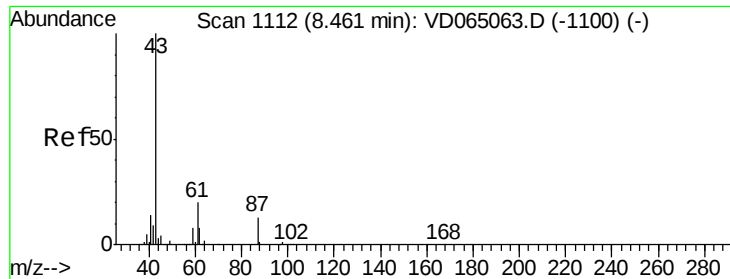
MMDadoda
2/6/2020 10:37:20 AM



#42
1,2-Dichloroethane
Concen: 134.205 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





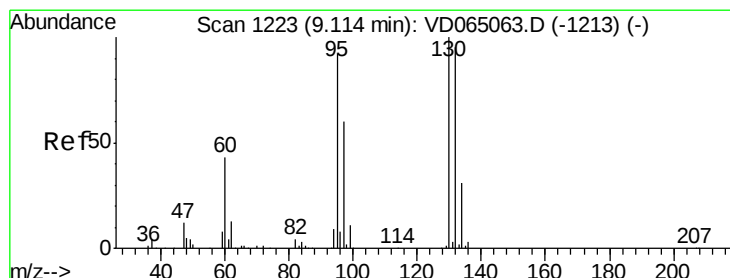
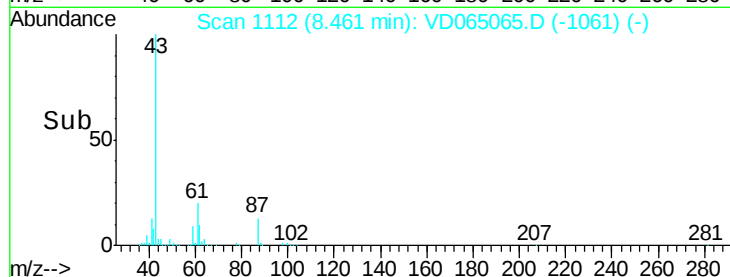
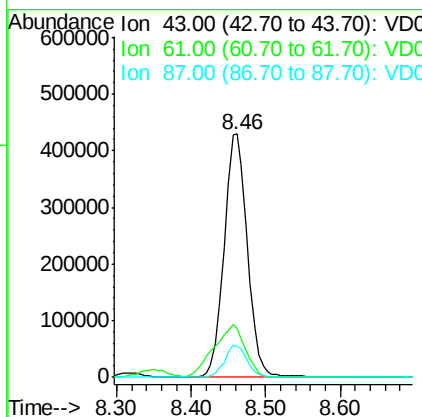
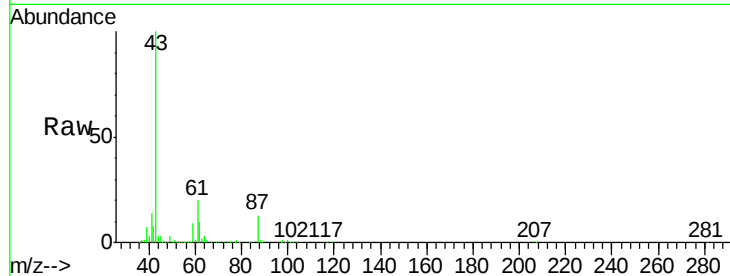
#43
Isopropyl Acetate
Concen: 144.763 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	24.0	36.0
87	12.8	10.2	15.4

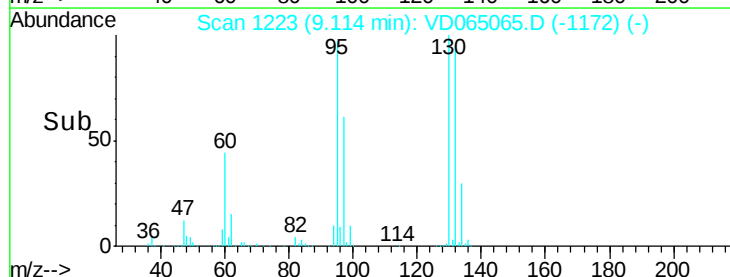
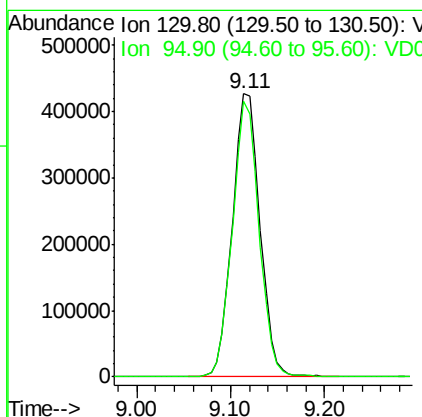
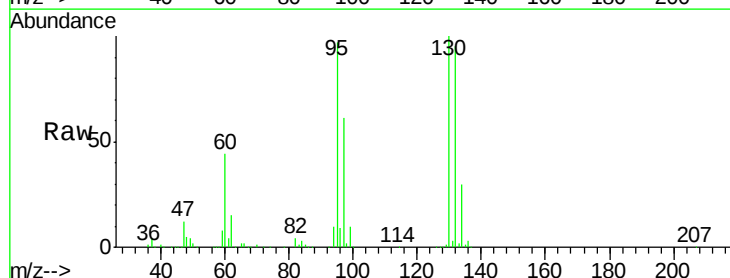
Manual Integrations
APPROVED

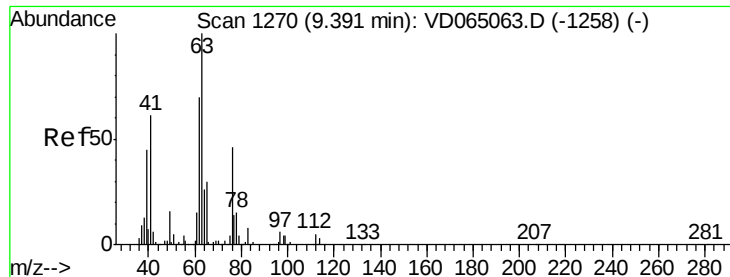
MMDadoda
2/6/2020 10:37:20 AM



#44
Trichloroethene
Concen: 137.167 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	185.0





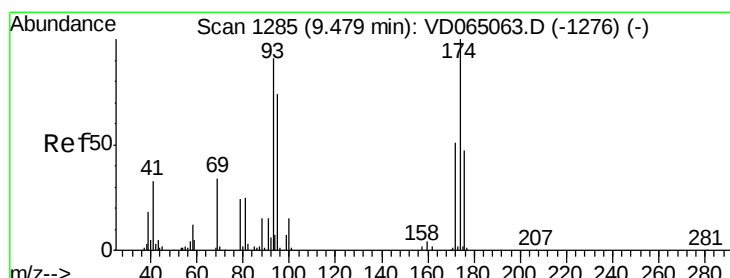
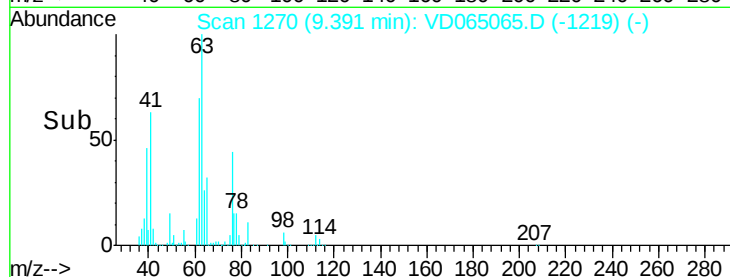
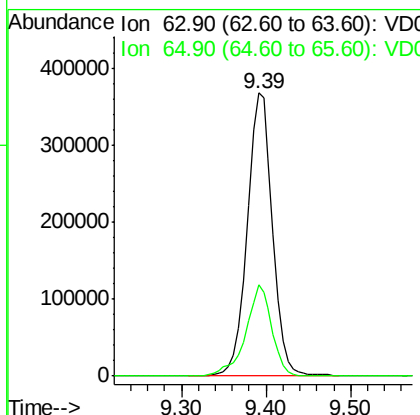
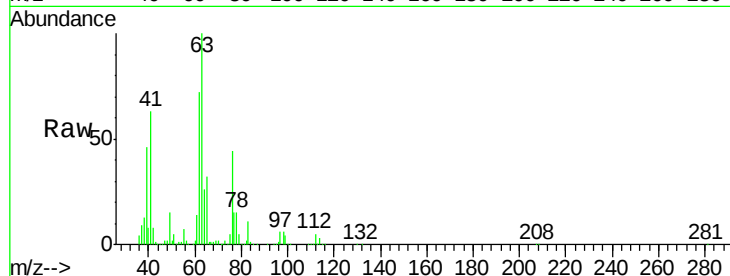
#45
 1,2-Dichloropropane
 Concen: 139.376 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	23.9	35.9

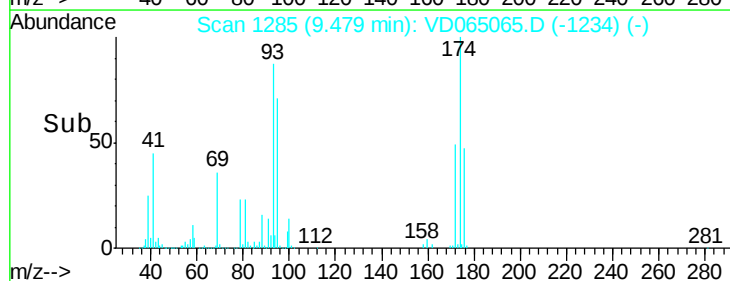
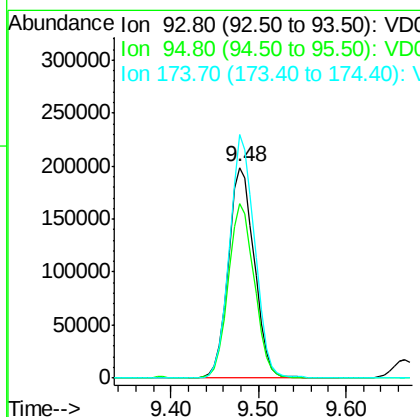
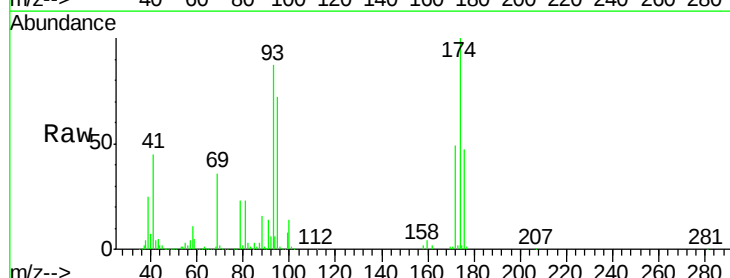
Manual Integrations
 APPROVED

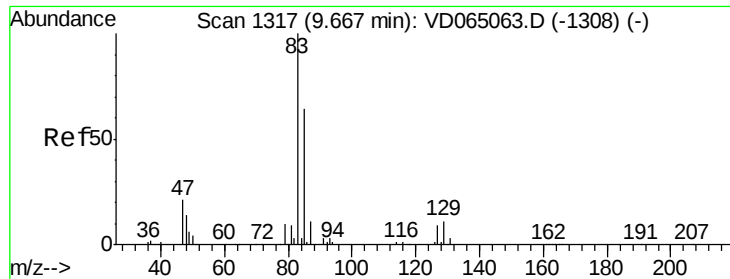
MMDadoda
 2/6/2020 10:37:20 AM



#46
 Dibromomethane
 Concen: 135.385 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.5	99.7
174	111.5	89.8	134.8





#47

Bromodichloromethane

Concen: 136.786 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1059345

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.6

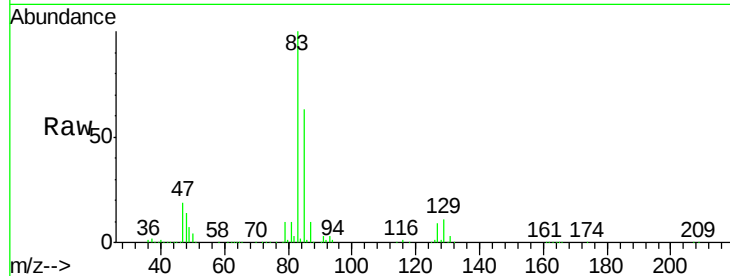
127 9.2 7.3 10.9

Manual Integrations

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MMDadoda

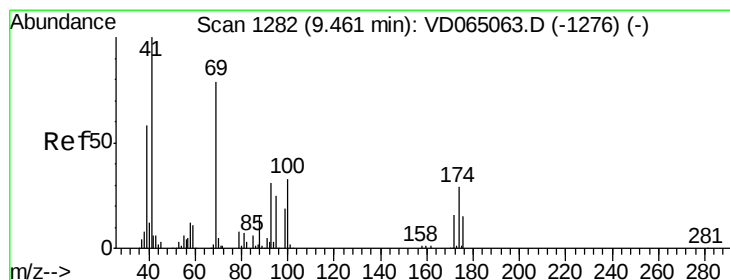
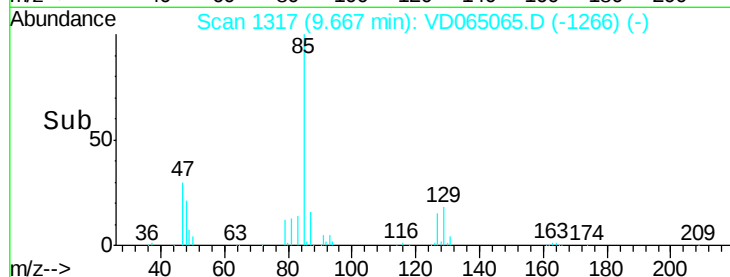
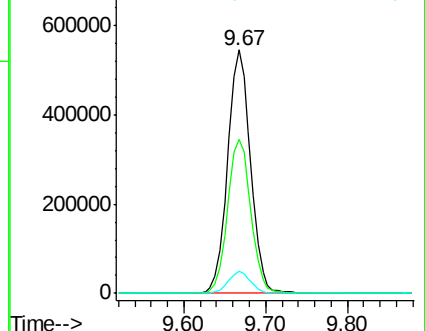
2/6/2020 10:37:20 AM



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 149.497 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

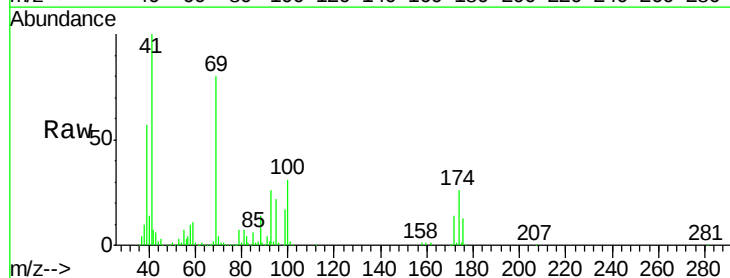
Tgt Ion: 41 Resp: 441544

Ion Ratio Lower Upper

41 100

69 84.3 67.5 101.3

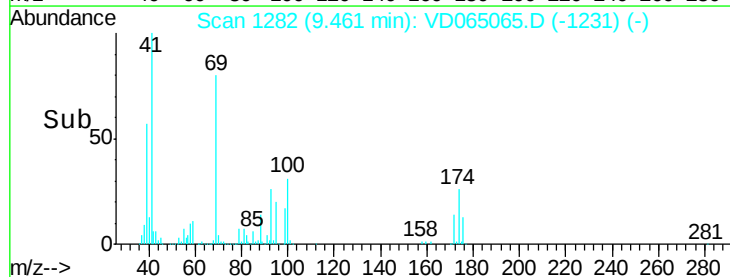
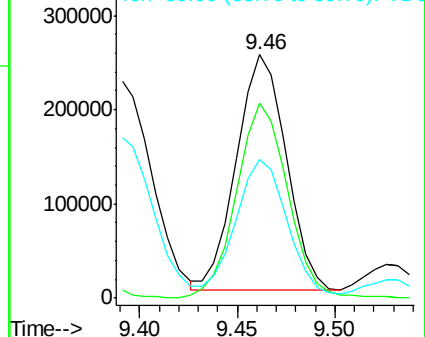
39 56.9 47.0 70.4

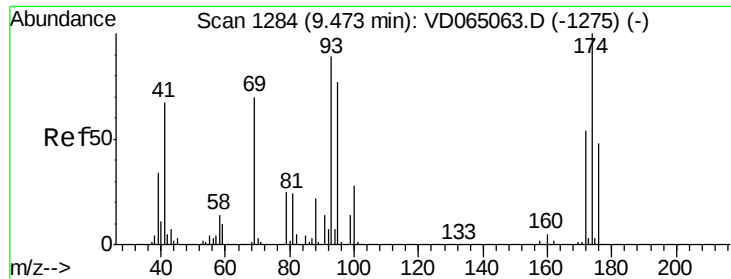


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 2747.006 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

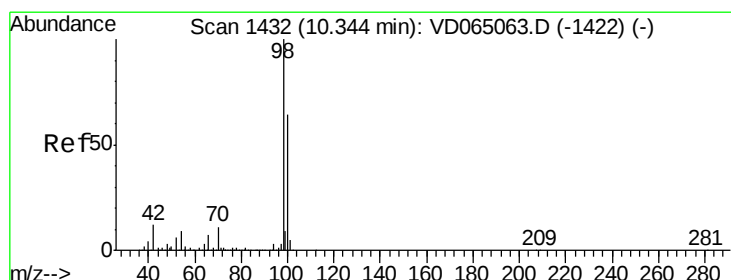
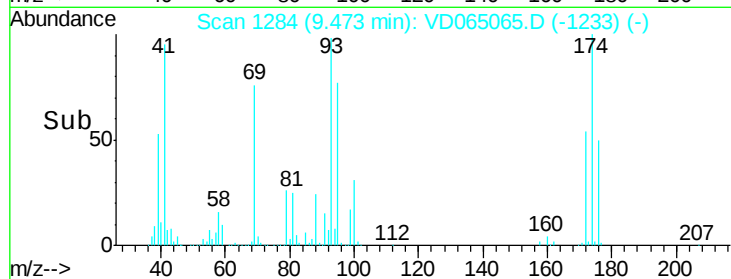
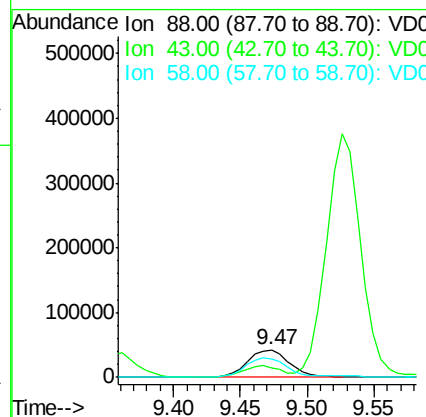
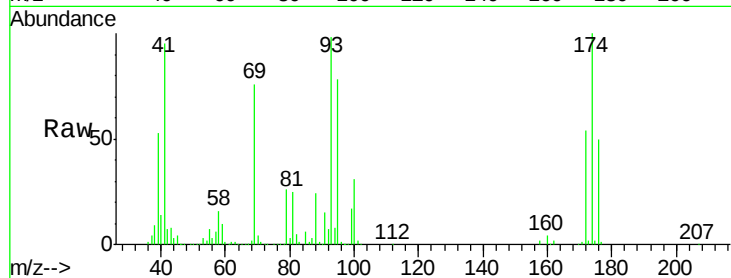
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	93913
Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.7	41.5
58	69.9	55.5	83.3

Manual Integrations
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#50

Toluene-d8

Concen: 143.180 ug/l

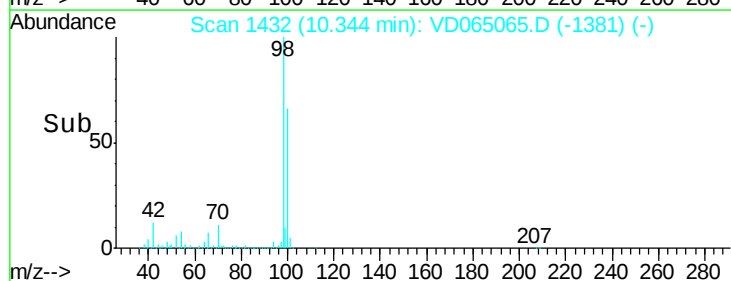
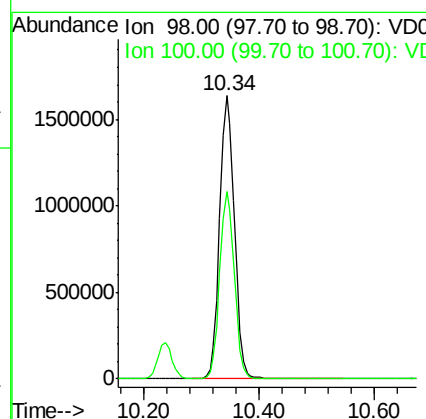
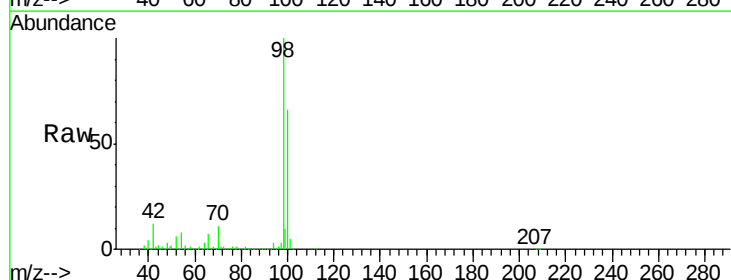
RT: 10.34 min Scan# 1432

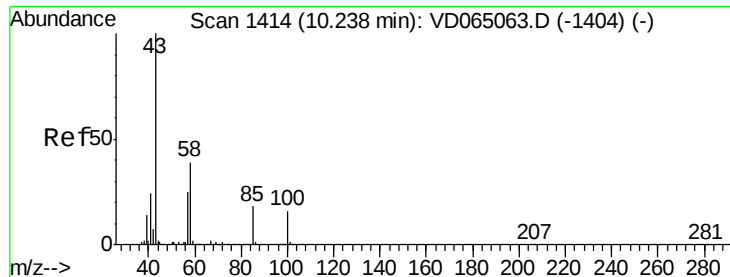
Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Tgt Ion:	98	Resp:	2917747
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.1	78.1





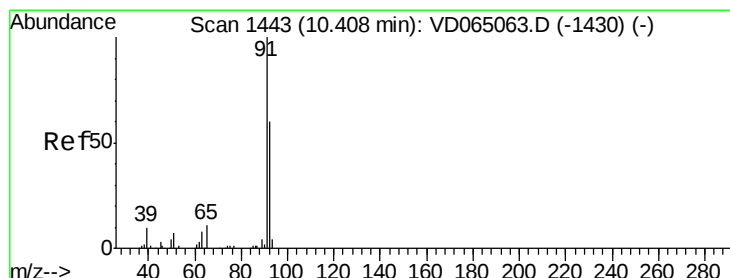
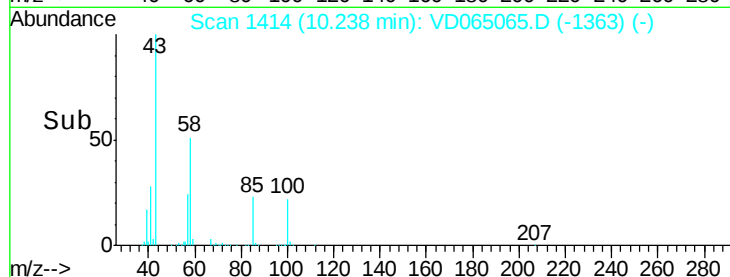
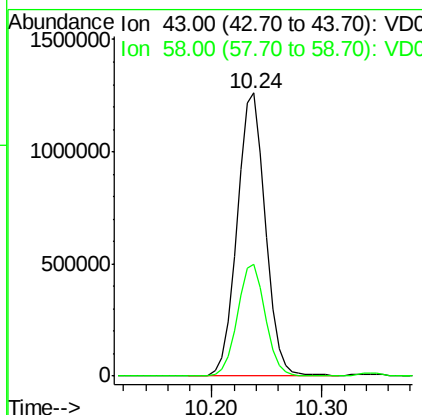
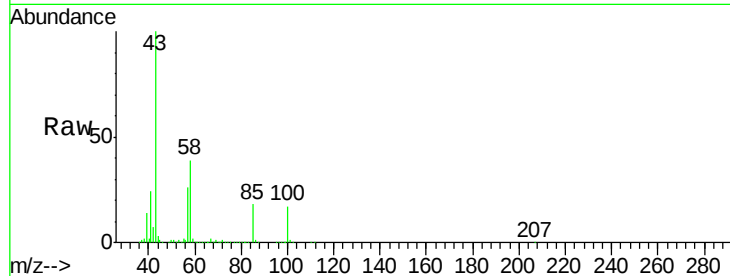
#51
4-Methyl-2-Pentanone
Concen: 711.756 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2271653
Ion Ratio Lower Upper
43 100
58 39.0 30.2 45.2

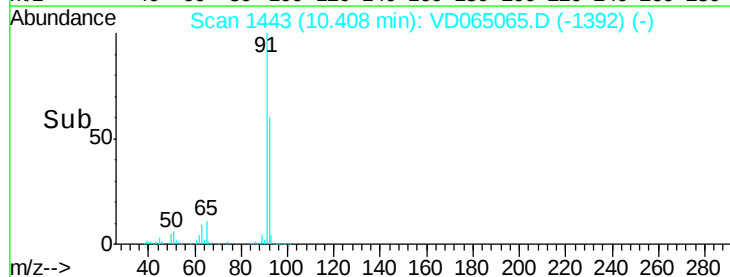
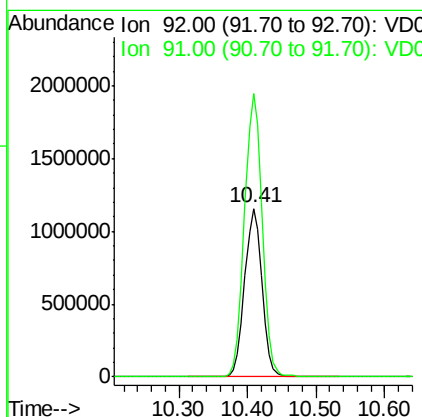
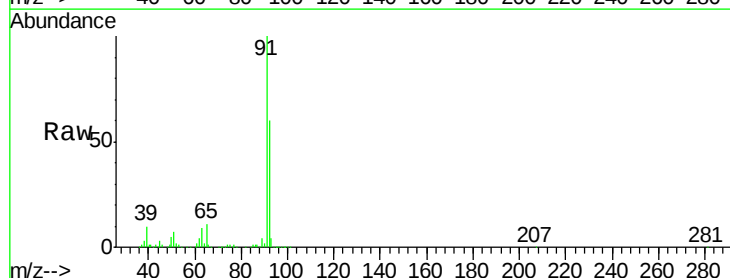
Manual Integrations
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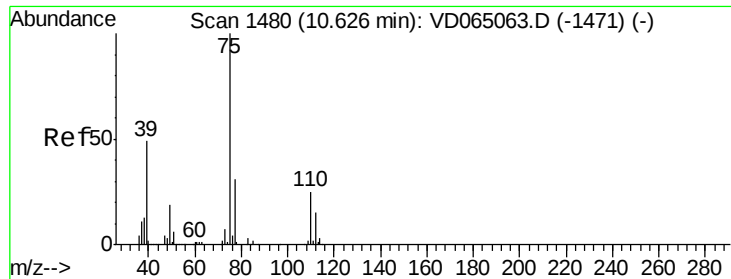
MMDadoda
2/6/2020 10:37:20 AM



#52
Toluene
Concen: 140.377 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 92 Resp: 2047451
Ion Ratio Lower Upper
92 100
91 171.1 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 143.848 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1061656

Ion Ratio Lower Upper

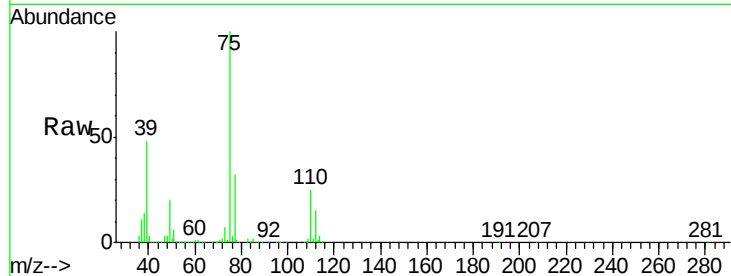
75 100

77 31.7 24.9 37.3

Manual Integrations
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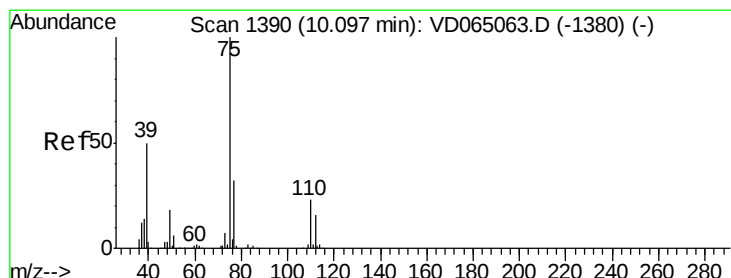
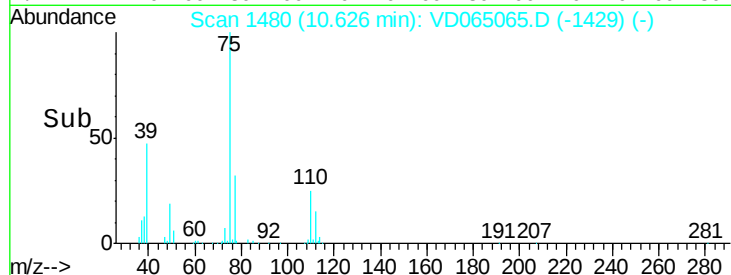
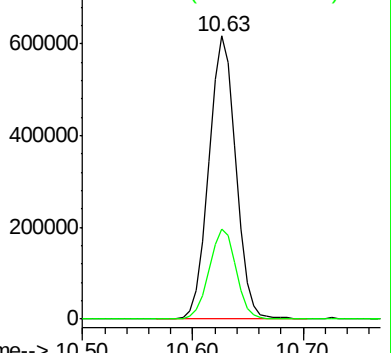
MMDadoda

2/6/2020 10:37:20 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 143.576 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

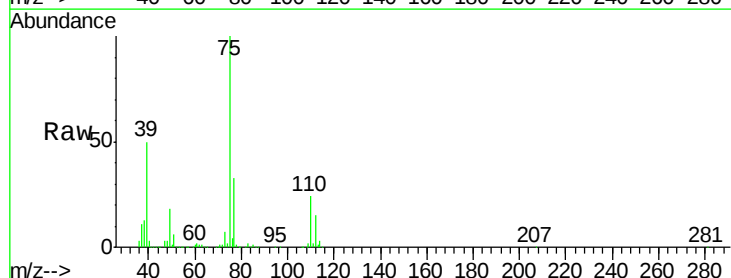
Tgt Ion: 75 Resp: 1245767

Ion Ratio Lower Upper

75 100

77 32.8 25.3 37.9

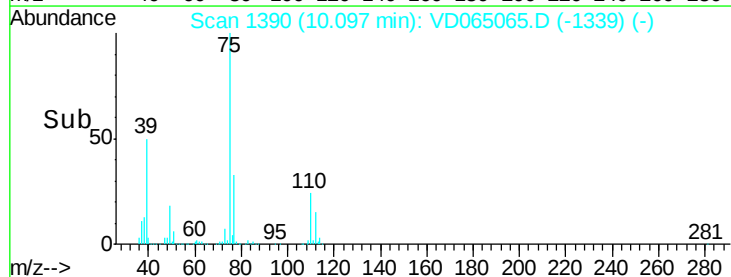
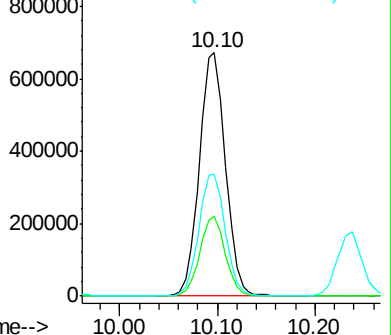
39 50.3 40.3 60.5

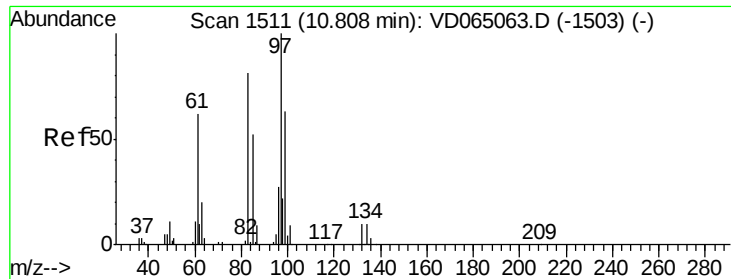


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





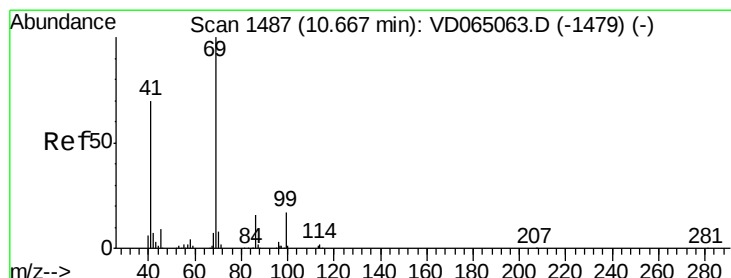
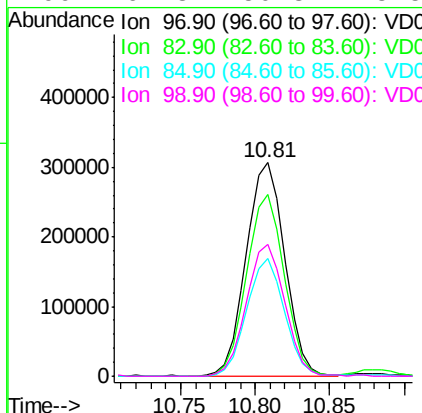
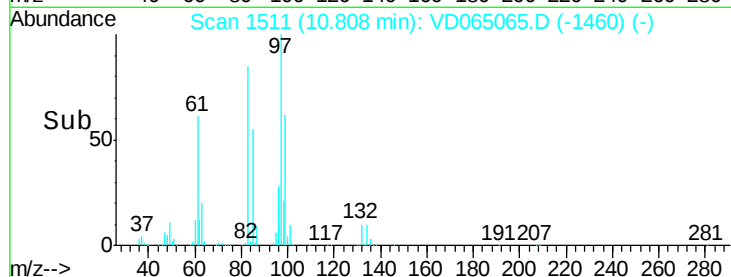
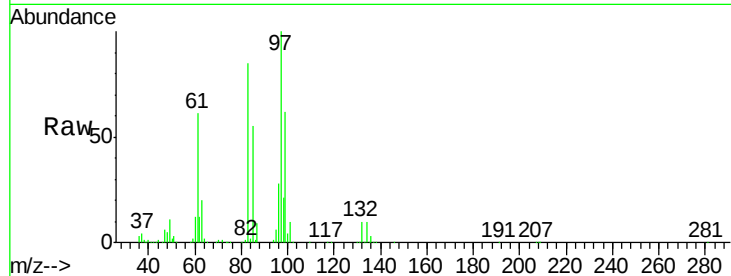
#55
 1,1,2-Trichloroethane
 Concen: 136.974 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	548338
Ion	Ratio	Lower	Upper
97	100		
83	85.1	64.8	97.2
85	55.2	41.2	61.8
99	61.8	50.3	75.5

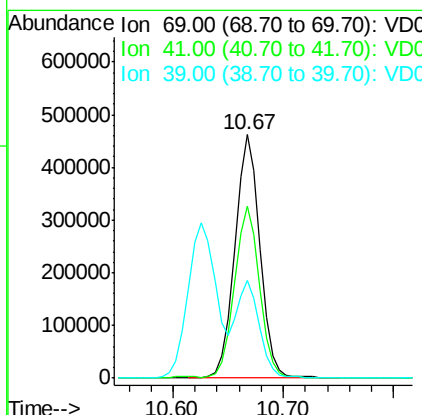
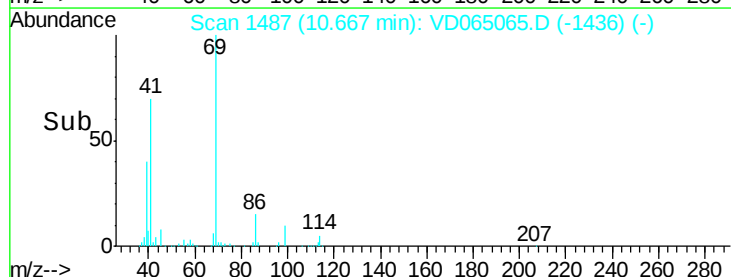
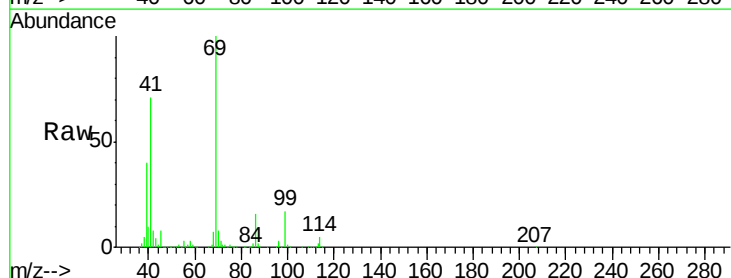
Manual Integrations
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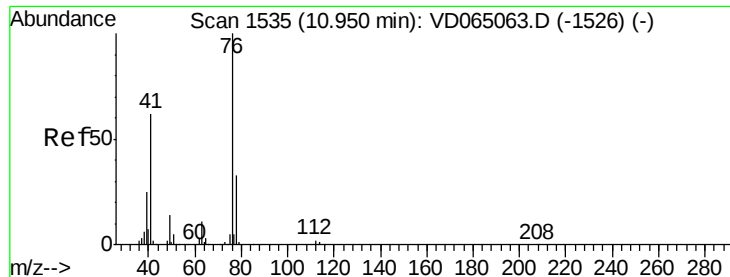
MMDadoda
 2/6/2020 10:37:20 AM



#56
 Ethyl methacrylate
 Concen: 153.672 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion:	69	Resp:	738217
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.9	83.9
39	37.3	29.4	44.0





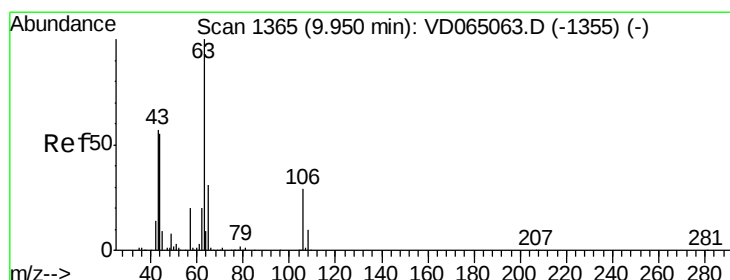
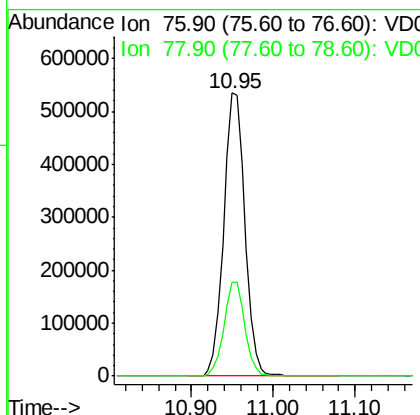
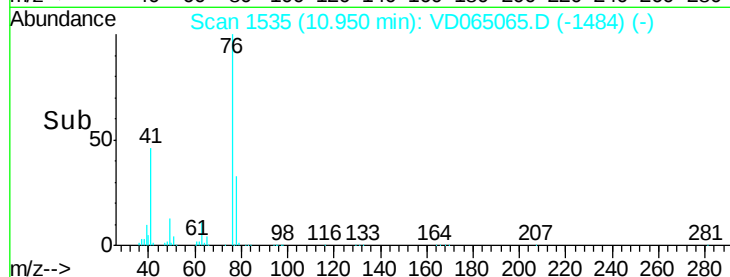
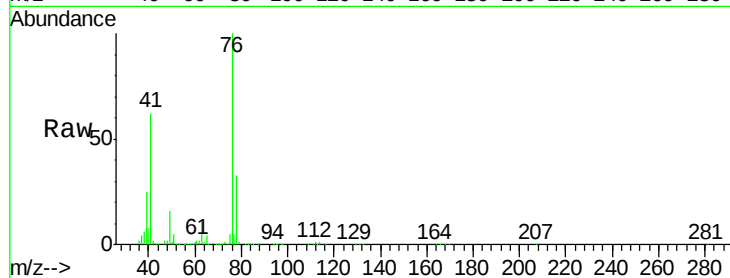
#57
 1,3-Dichloropropane
 Concen: 140.131 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

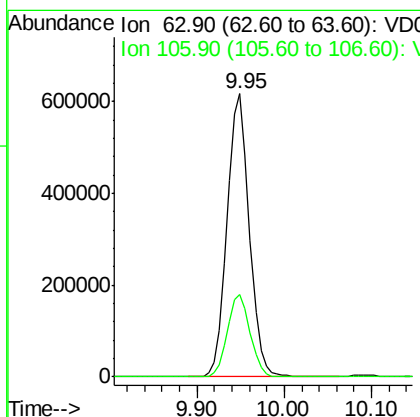
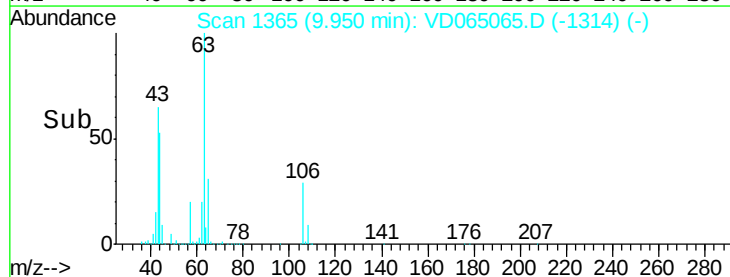
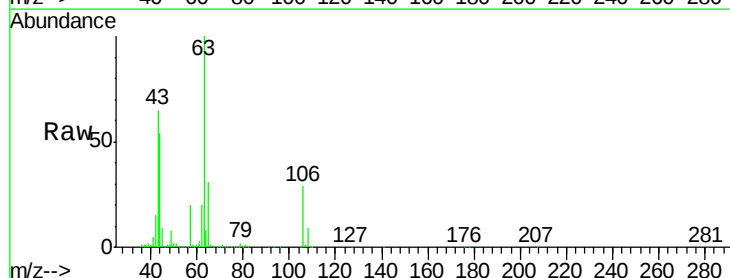
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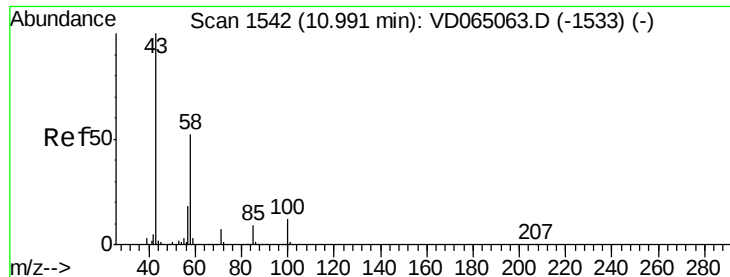
MMDadoda
 2/6/2020 10:37:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 642.612 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.3	34.9





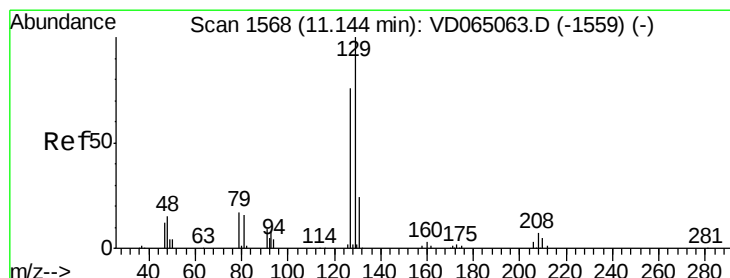
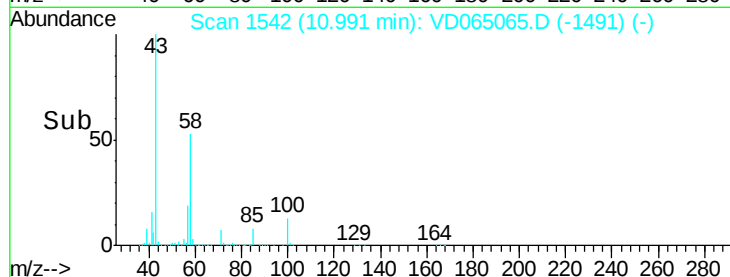
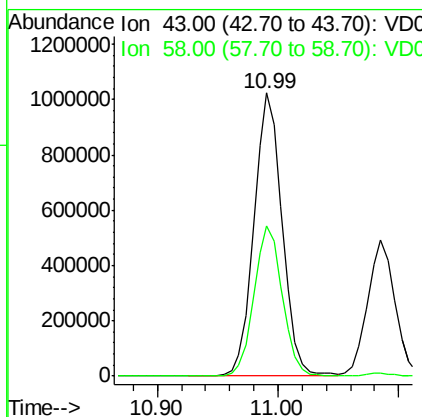
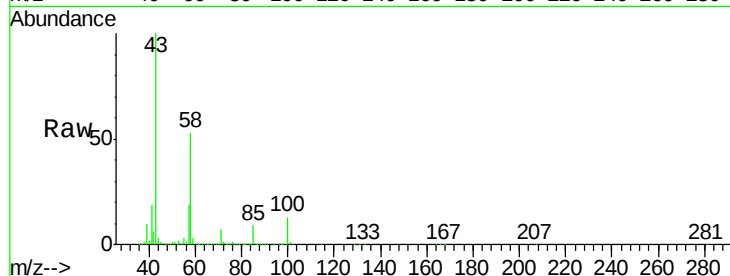
#59
2-Hexanone
Concen: 754.377 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1666440
Ion Ratio Lower Upper
43 100
58 53.3 26.2 78.6

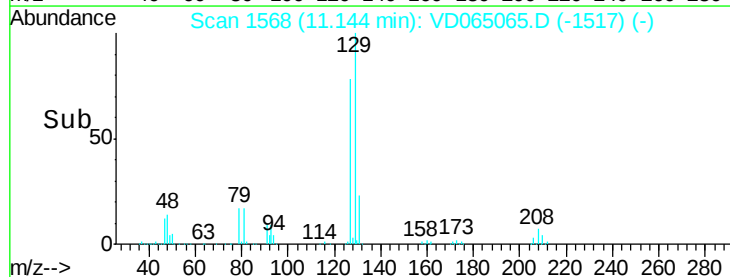
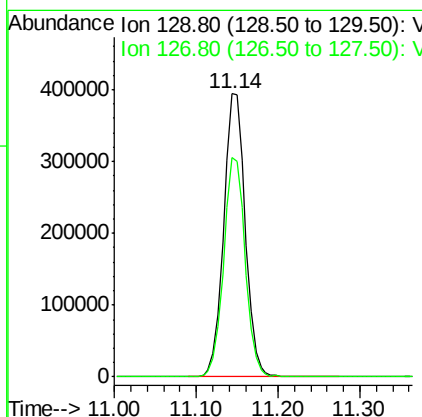
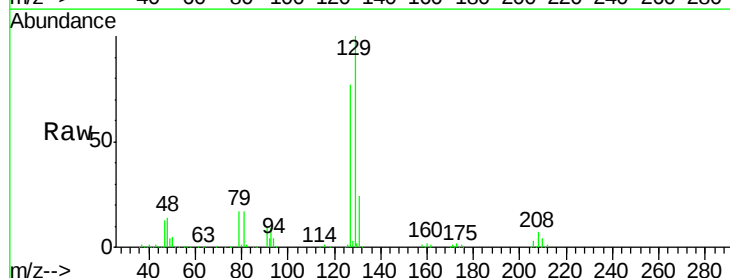
Manual Integrations
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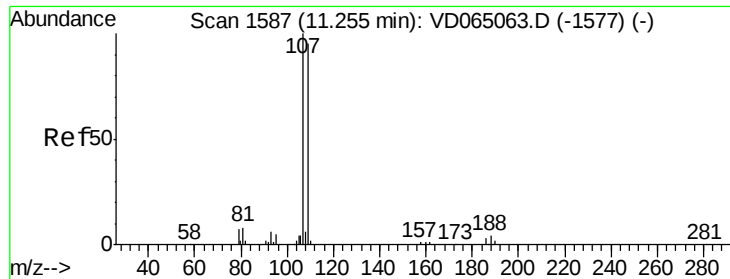
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#60
Dibromochloromethane
Concen: 135.791 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 129 Resp: 724327
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





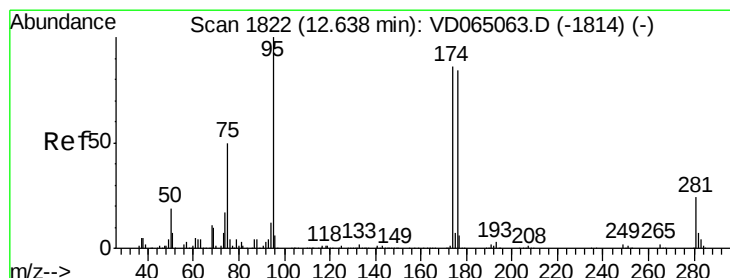
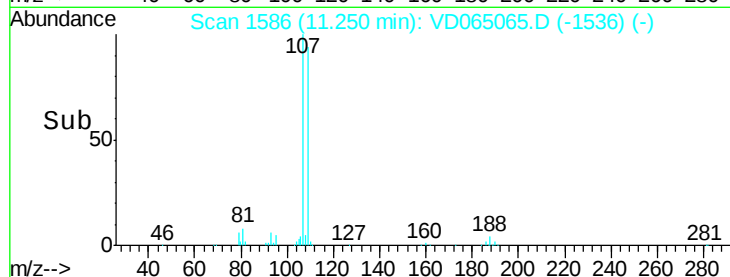
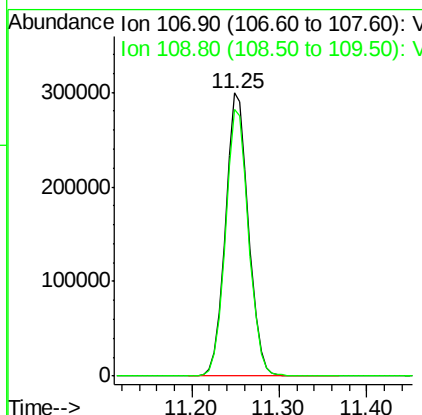
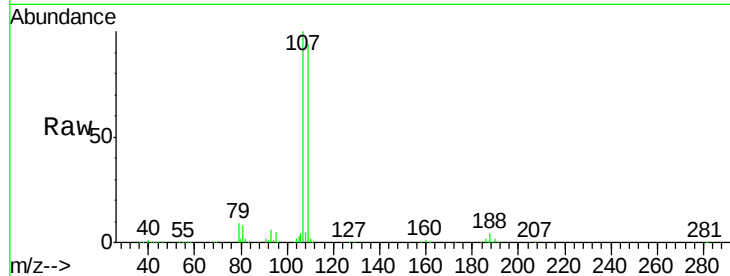
#61
1,2-Dibromoethane
Concen: 139.098 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.5	113.3

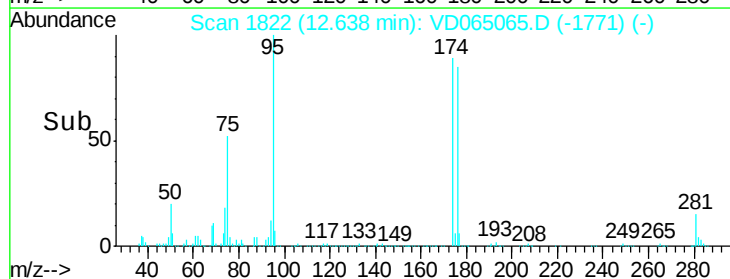
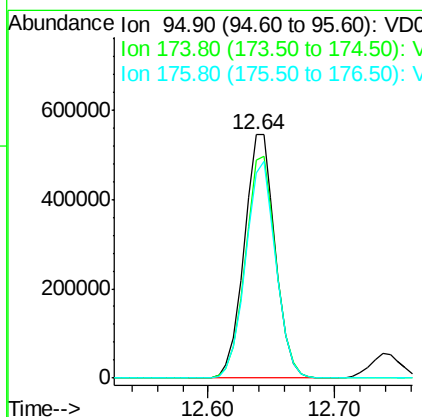
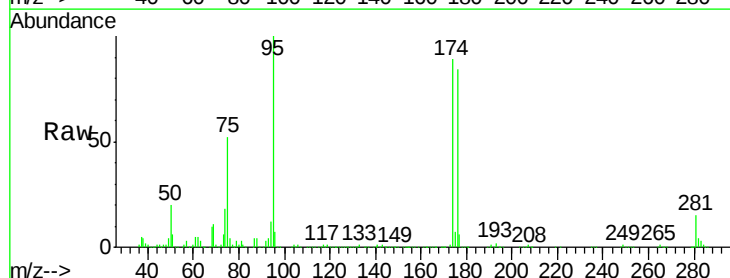
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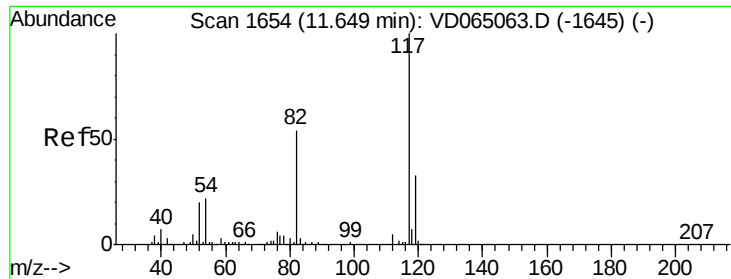
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 146.539 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	180.0
176	86.9	0.0	173.2





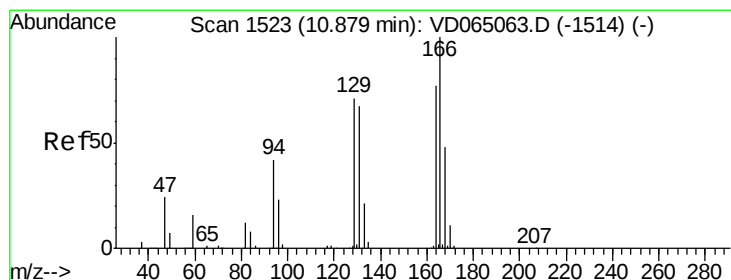
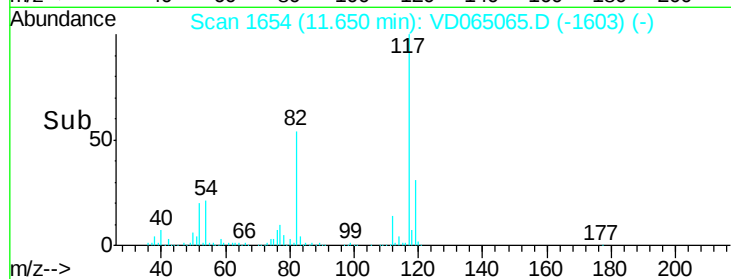
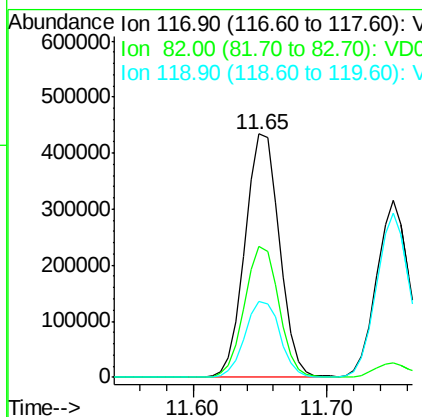
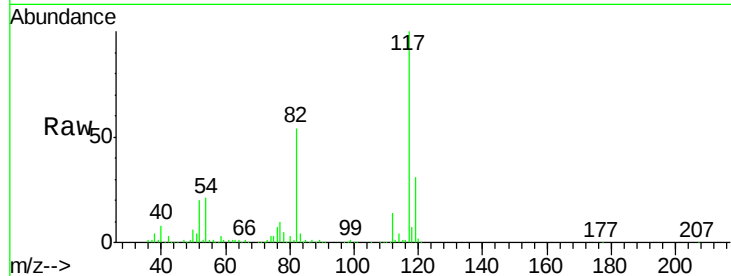
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	774990		
82	53.7		43.1	64.7
119	31.3		26.0	39.0

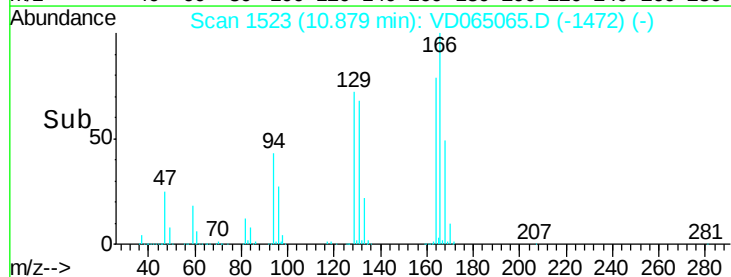
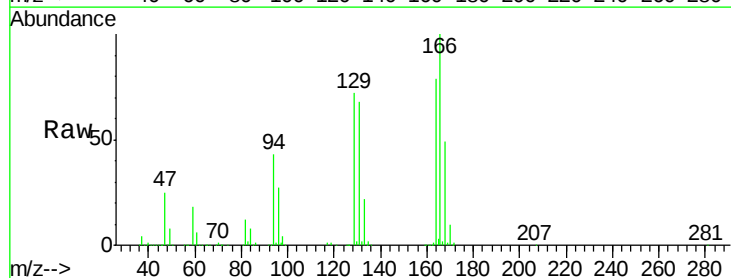
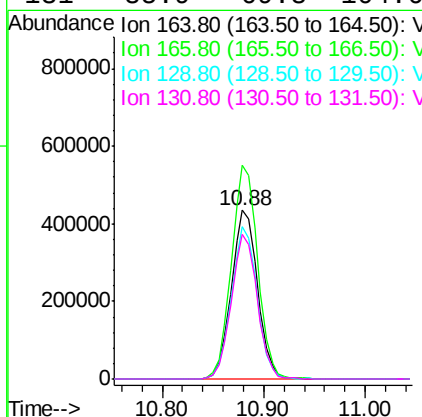
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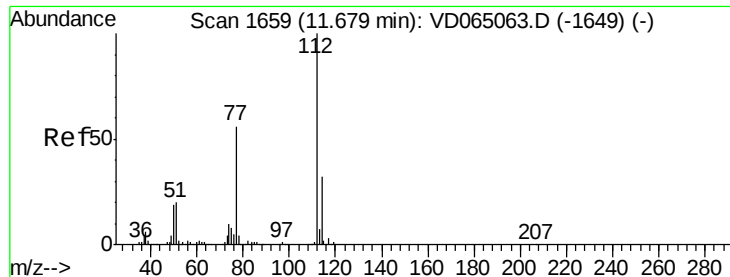
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#64
Tetrachloroethene
Concen: 138.204 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	776783		
166	126.6		103.5	155.3
129	90.6		73.3	109.9
131	85.9		69.8	104.6





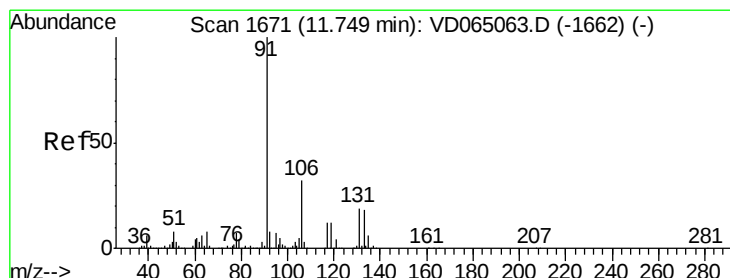
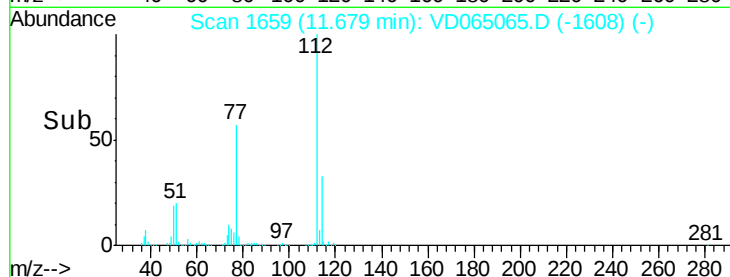
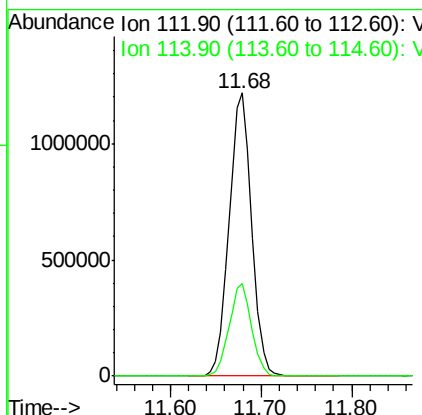
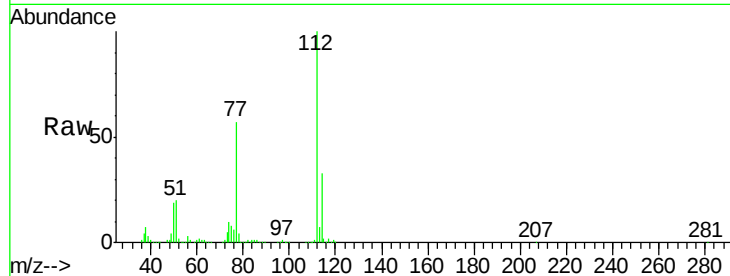
#65
Chlorobenzene
Concen: 133.445 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 2104789
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0

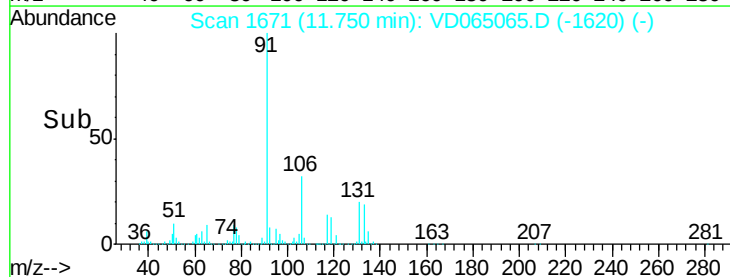
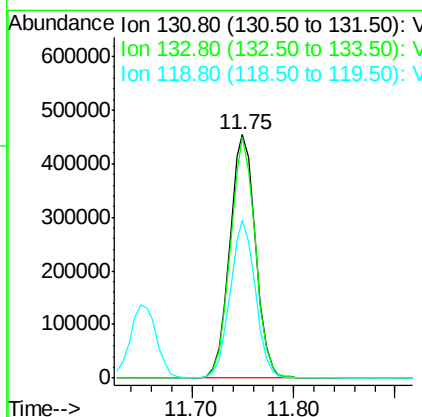
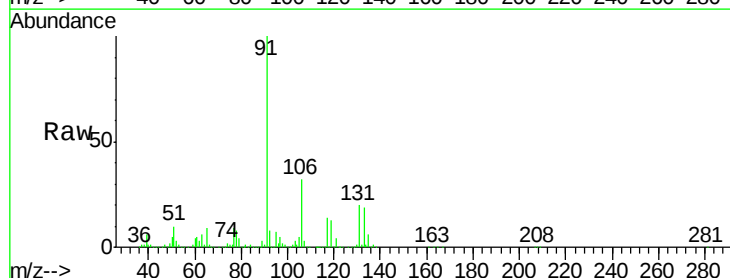
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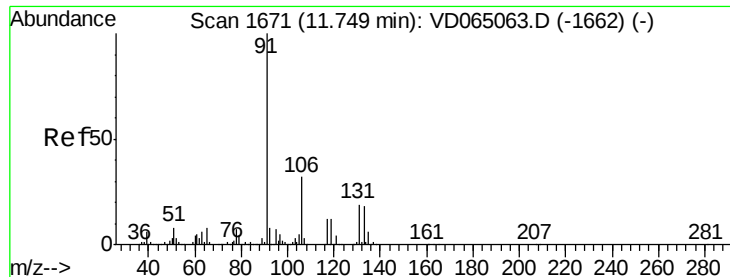
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#66
1,1,1,2-Tetrachloroethane
Concen: 134.843 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion:131 Resp: 796247
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 63.3 31.3 93.8





#67

Ethyl Benzene

Concen: 137.344 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3839768

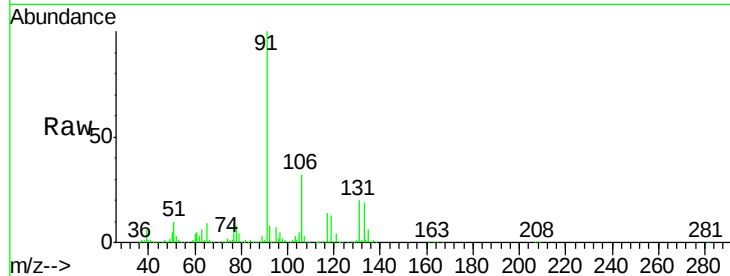
Ion Ratio Lower Upper

91 100

106 32.1 25.4 38.2

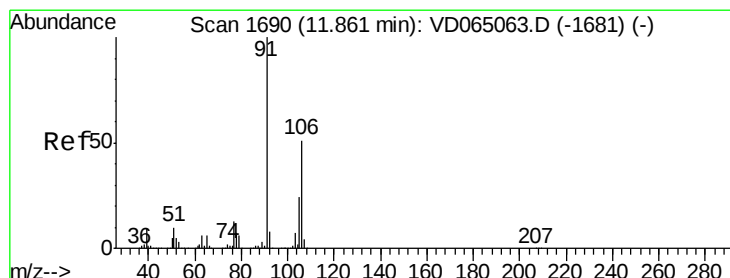
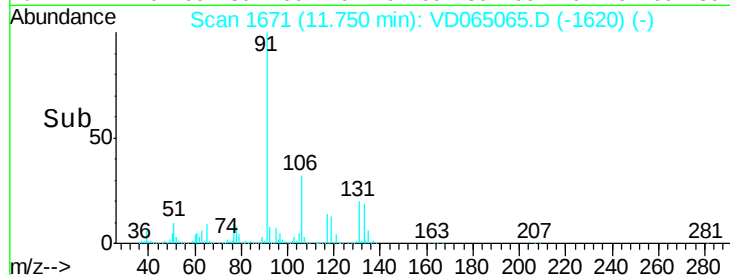
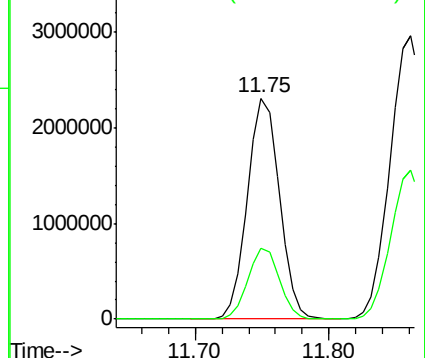
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 274.301 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065065.D

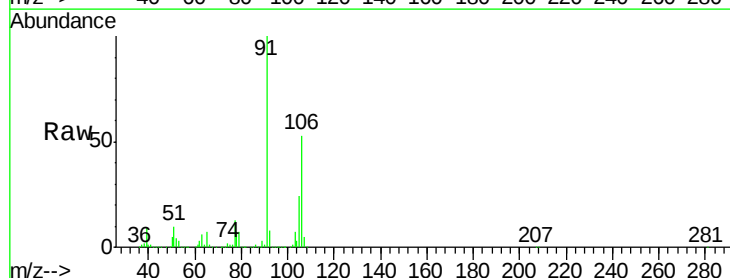
Acq: 05 Feb 2020 15:31

Tgt Ion: 106 Resp: 2951631

Ion Ratio Lower Upper

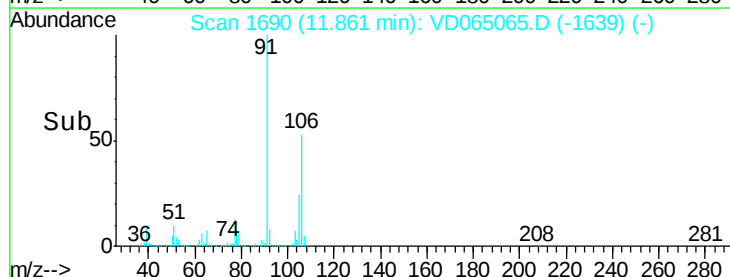
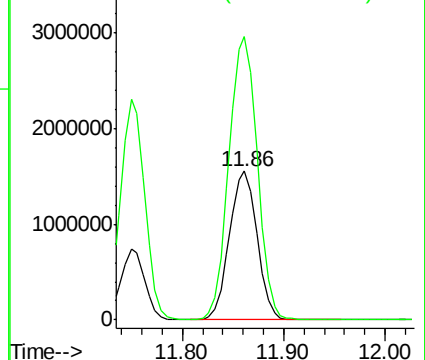
106 100

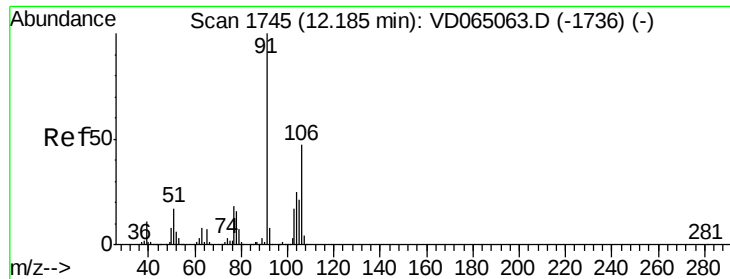
91 195.4 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





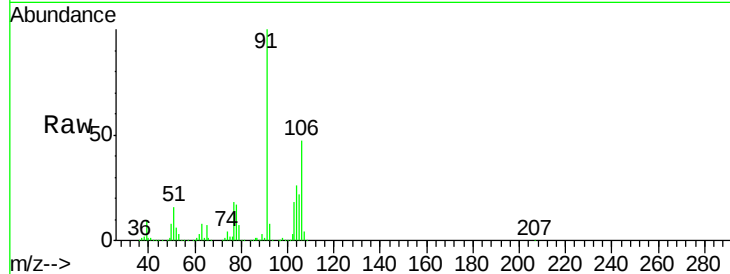
#69
o-Xylene
Concen: 141.624 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

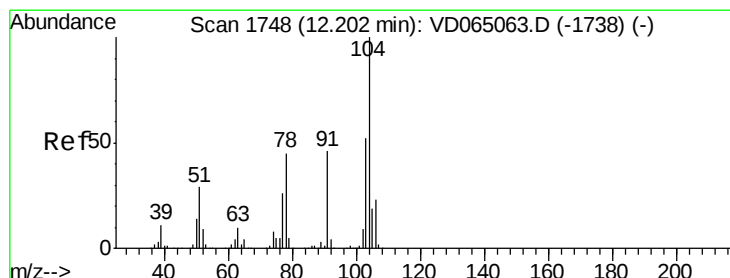
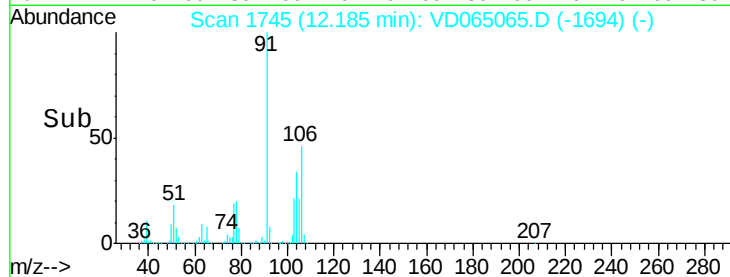
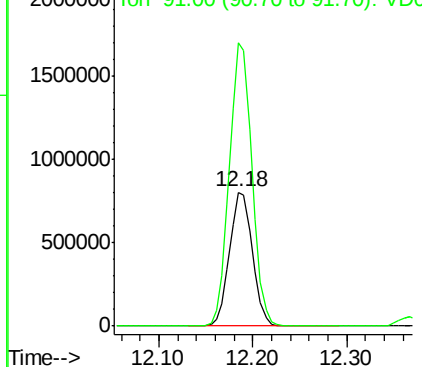
Tot Ion:106 Resp: 1355740
Ion Ratio Lower Upper
106 100
91 209.8 104.7 313.9

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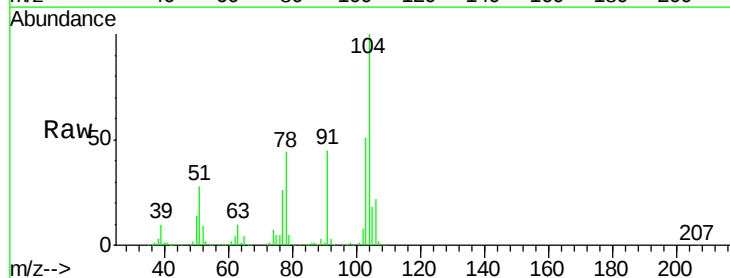


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

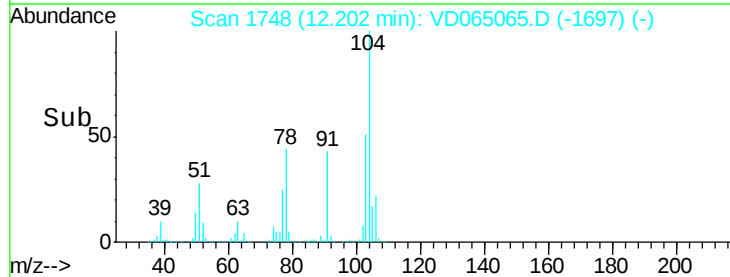
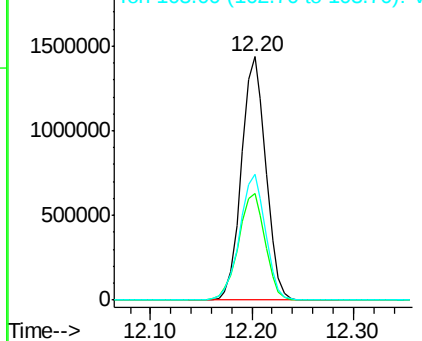


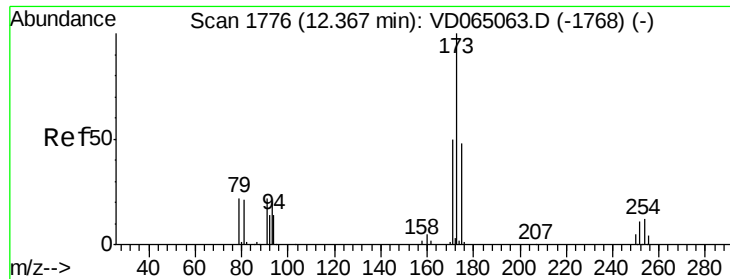
#70
Styrene
Concen: 141.312 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion:104 Resp: 2393486
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 54.7 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 132.398 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

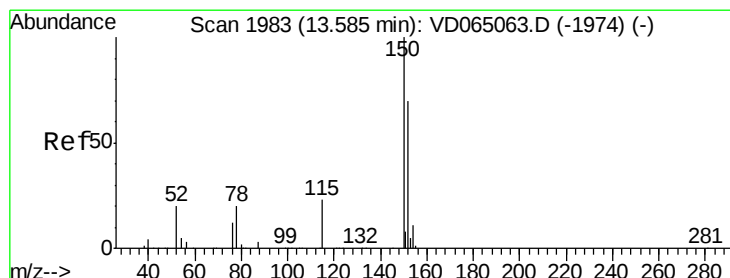
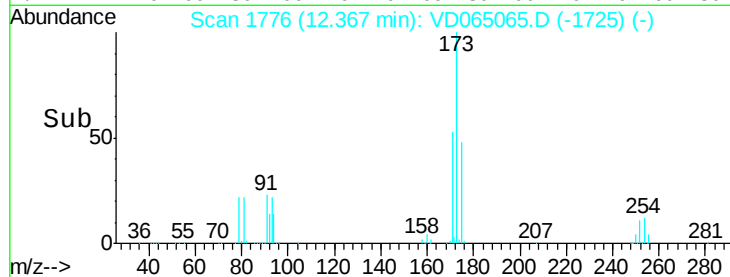
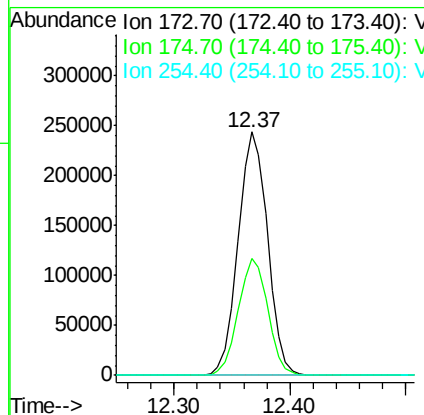
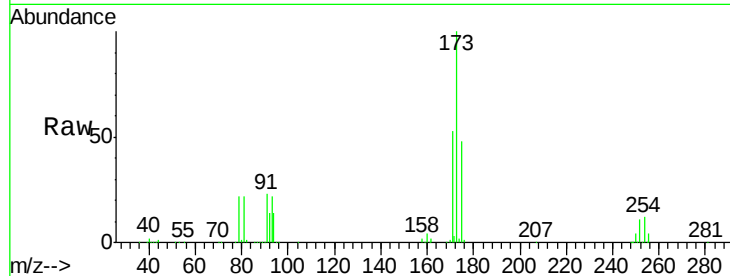
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

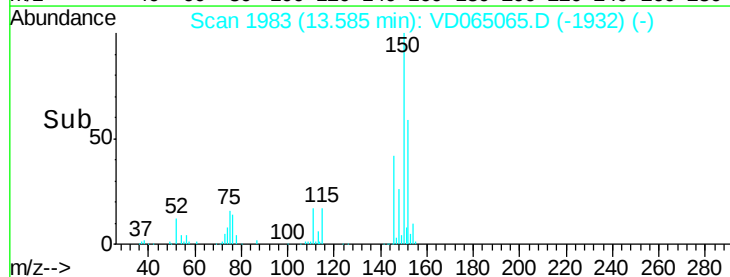
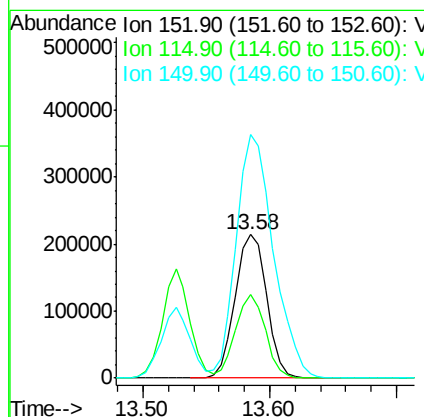
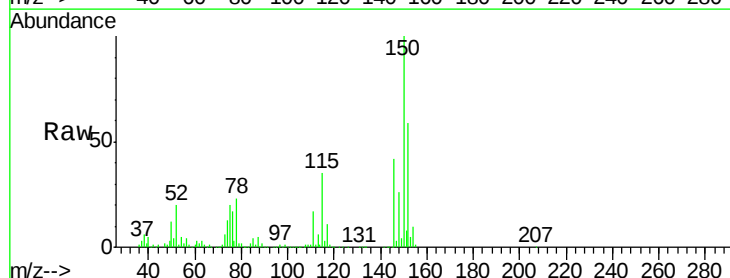
RT: 13.58 min Scan# 1983

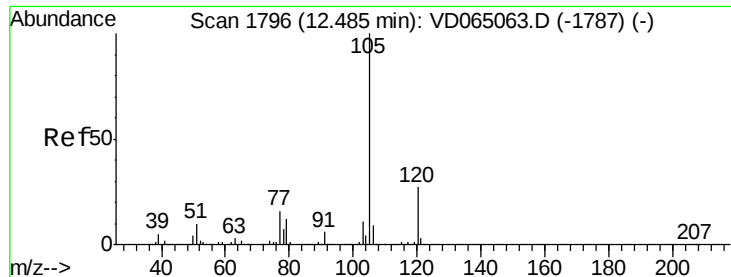
Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.5	82.4
150	201.4	0.0	343.2





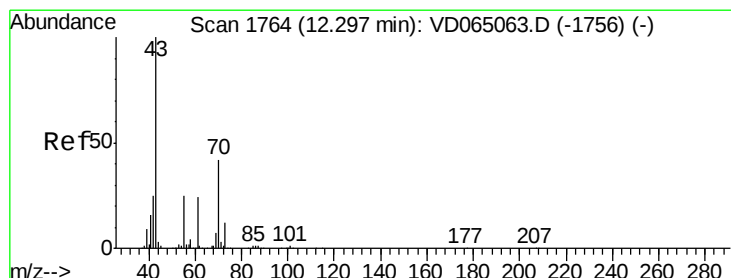
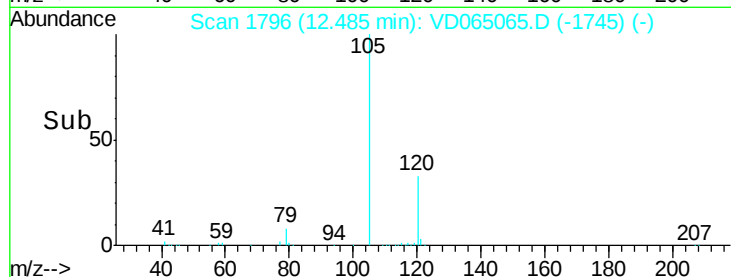
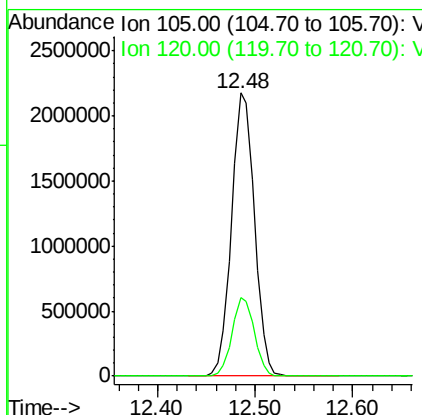
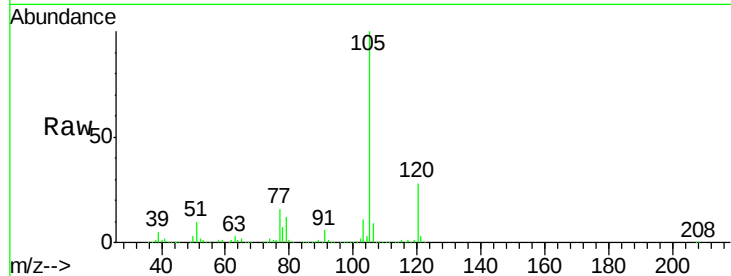
#73
Isopropylbenzene
Concen: 141.060 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 3549877
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.9

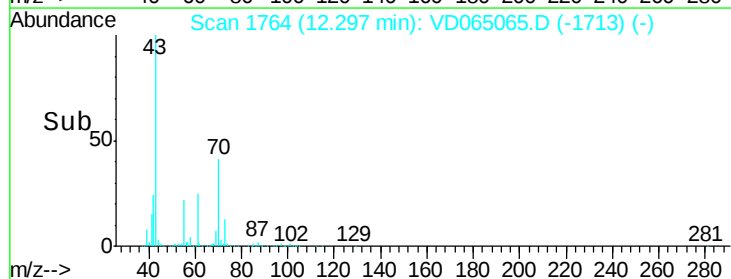
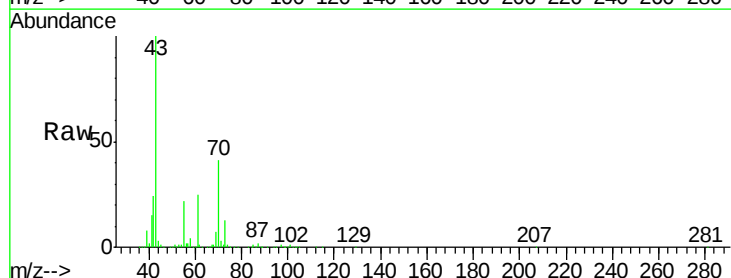
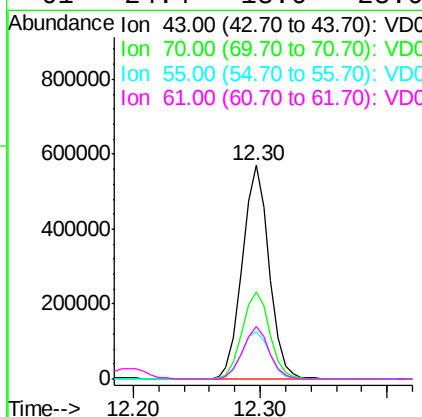
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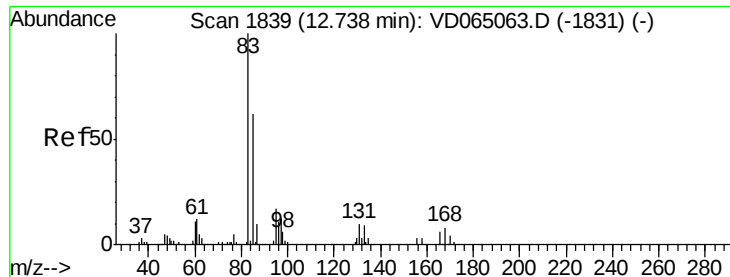
MMDadoda
2/6/2020 10:37:20 AM



#74
N-ethyl acetate
Concen: 148.940 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion: 43 Resp: 833797
Ion Ratio Lower Upper
43 100
70 42.2 33.5 50.3
55 23.4 19.4 29.2
61 24.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 134.357 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

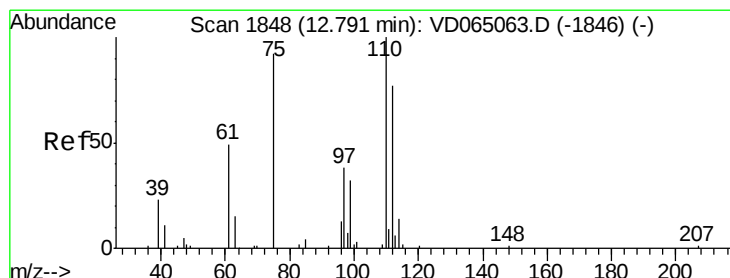
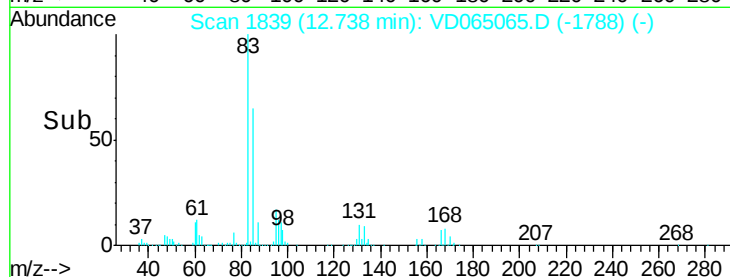
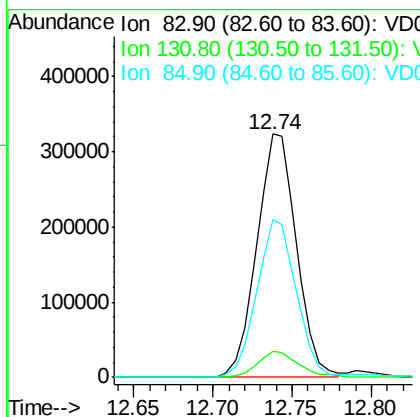
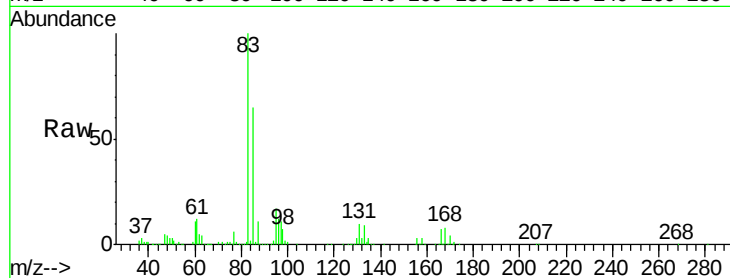
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	562421
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	64.8	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 135.024 ug/l m

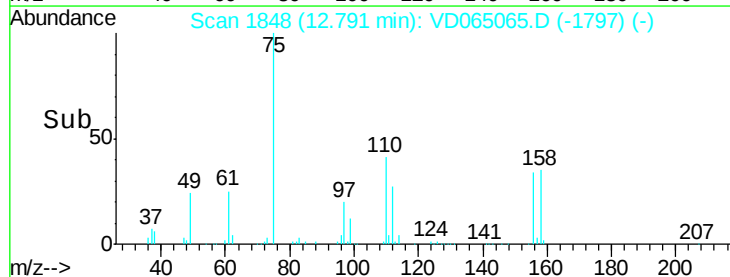
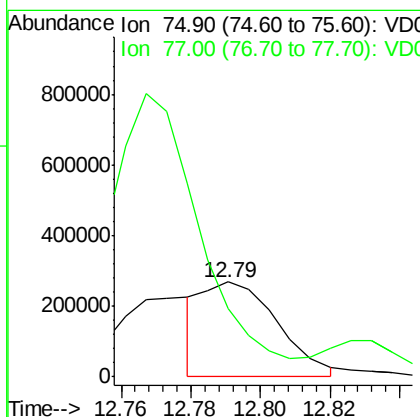
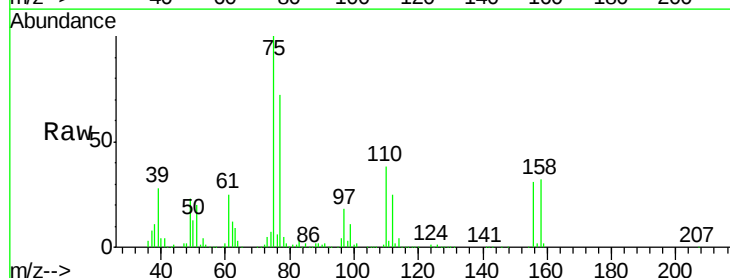
RT: 12.79 min Scan# 1848

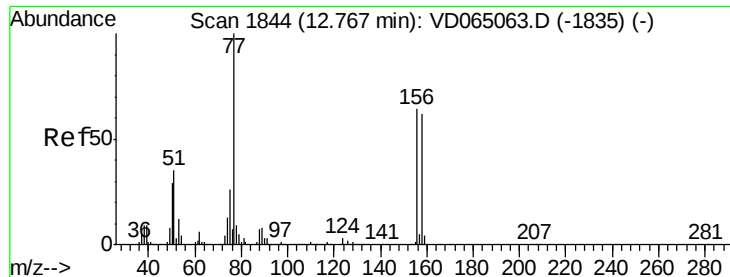
Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Tgt Ion:	75	Resp:	401165
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 141.606 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 869414

Ion Ratio Lower Upper

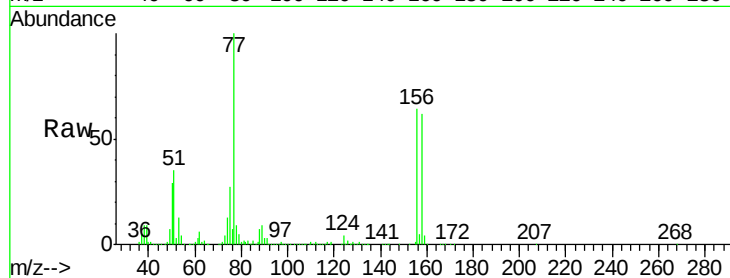
156 100

77 170.8 85.6 256.8

158 96.9 47.4 142.2

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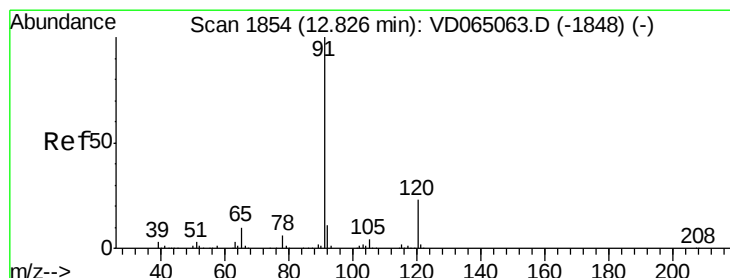
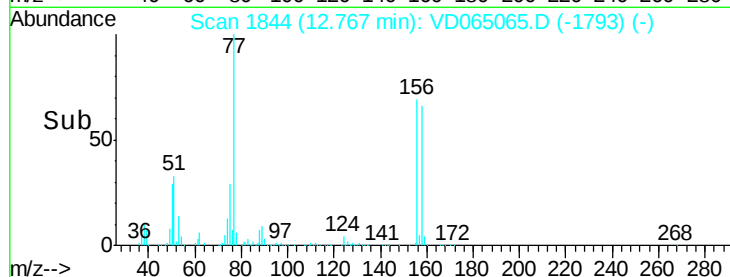
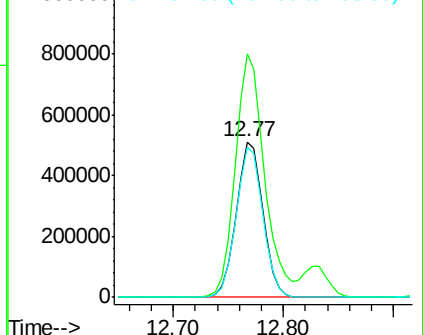
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 137.420 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065065.D

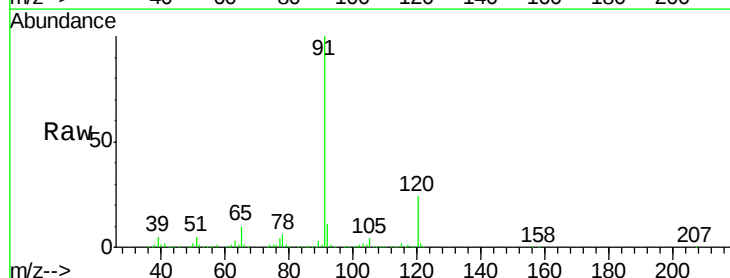
Acq: 05 Feb 2020 15:31

Tgt Ion: 91 Resp: 4109021

Ion Ratio Lower Upper

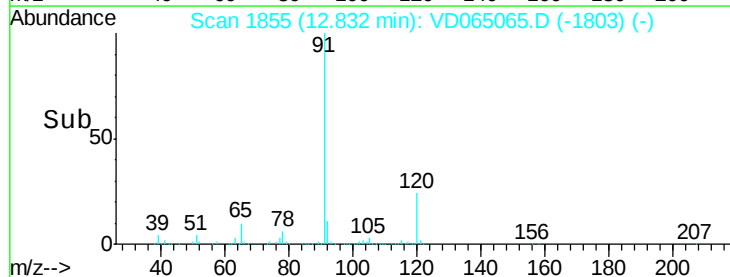
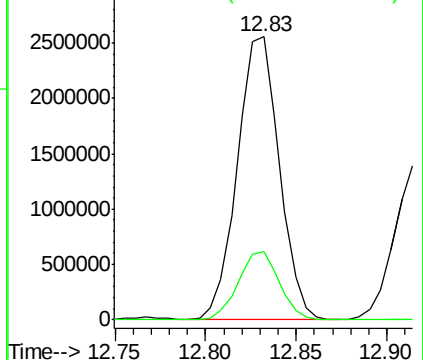
91 100

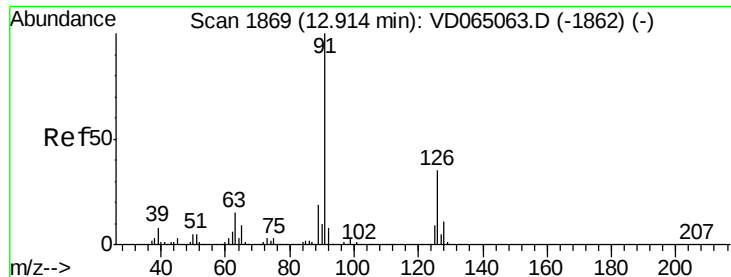
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 141.987 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2333194

Ion Ratio Lower Upper

91 100

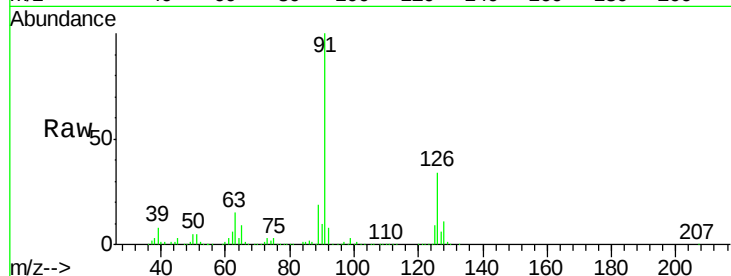
126 34.8 17.4 52.3

Manual Integrations

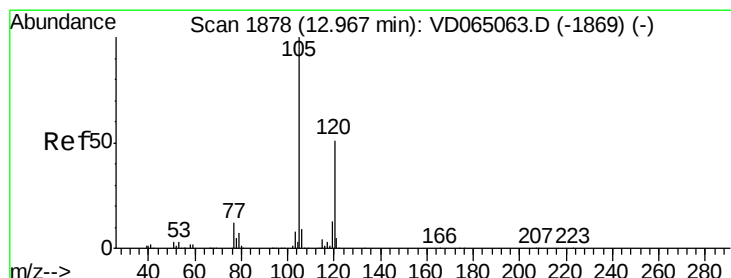
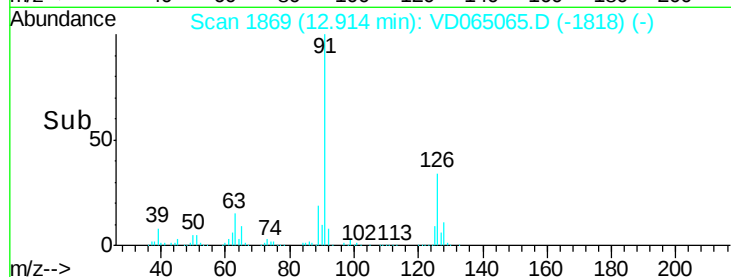
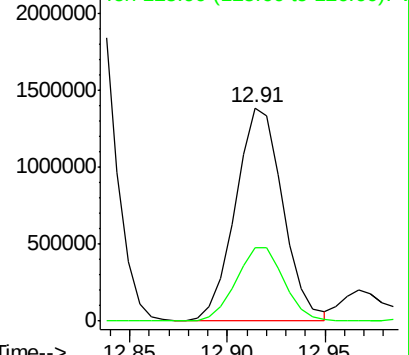
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Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 142.305 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065065.D

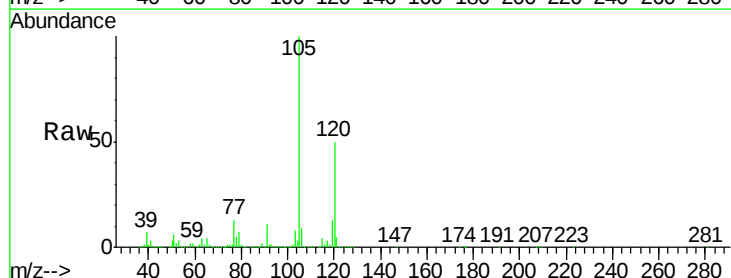
Acq: 05 Feb 2020 15:31

Tgt Ion:105 Resp: 2933620

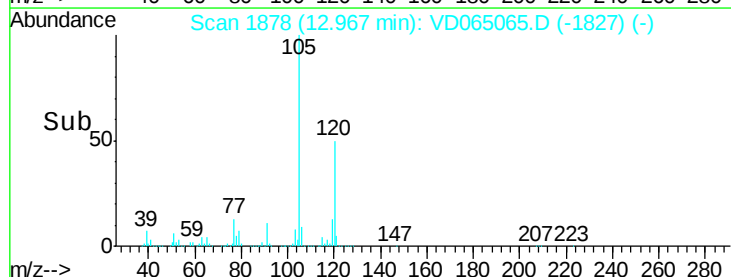
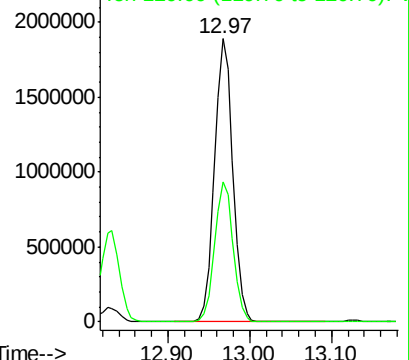
Ion Ratio Lower Upper

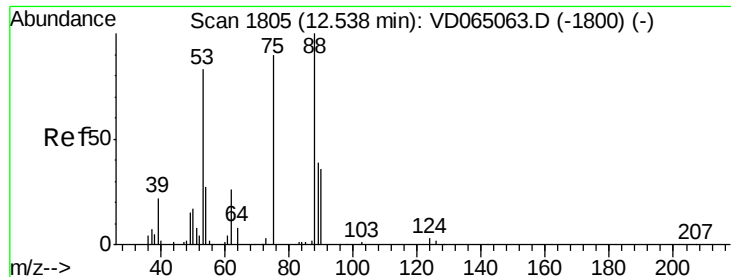
105 100

120 50.0 25.1 75.4



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





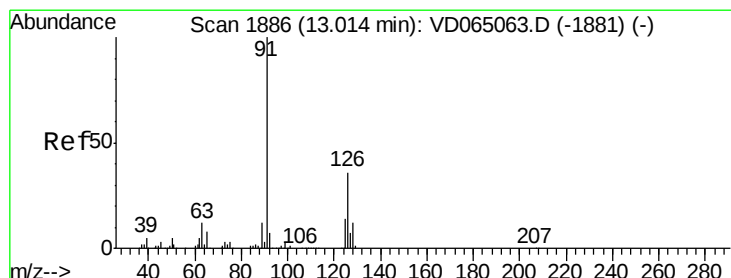
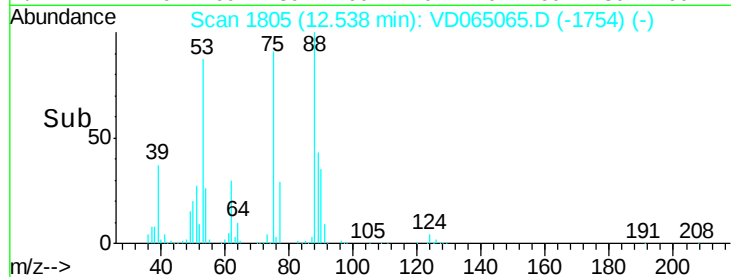
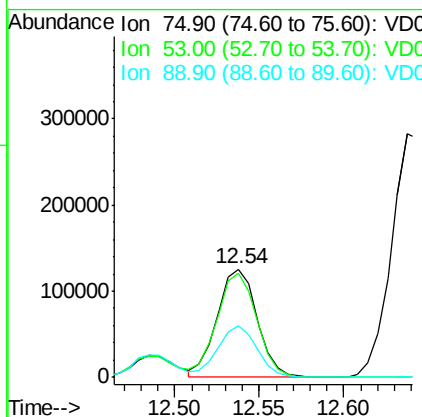
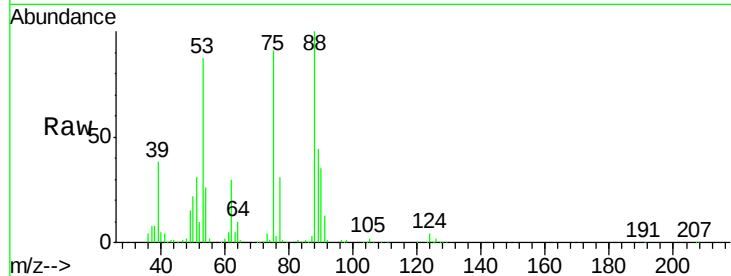
#81
trans-1,4-Dichloro-2-butene
Concen: 144.039 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.3	78.5	117.7
89	47.1	37.0	55.4

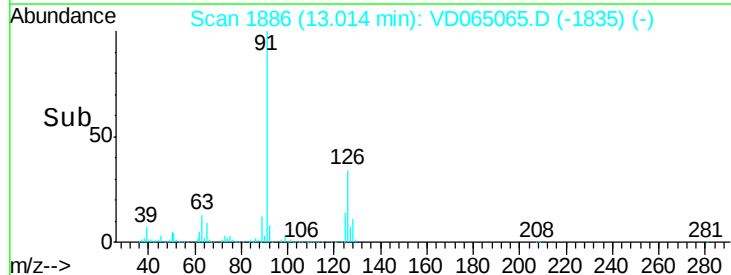
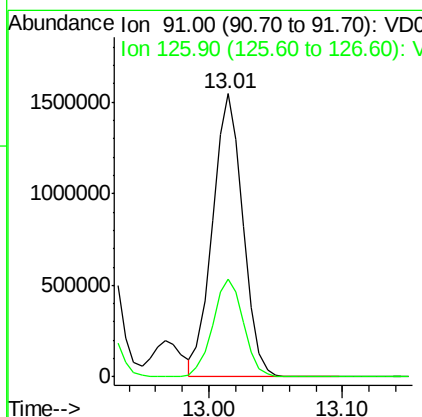
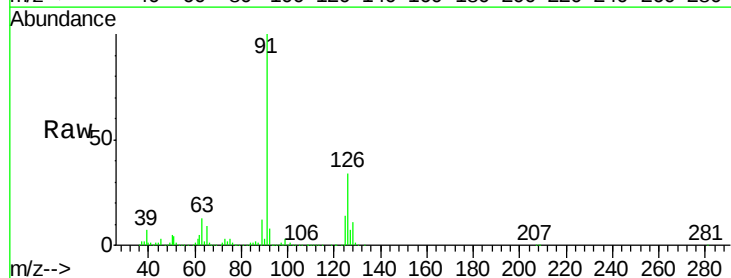
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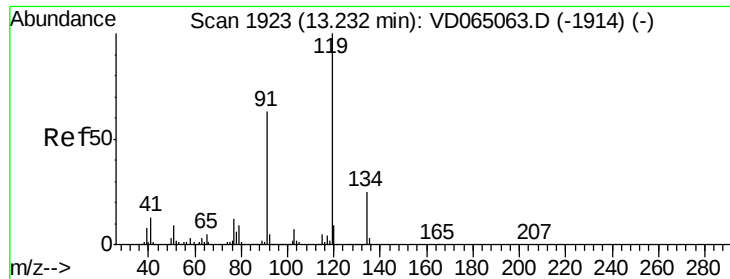
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#82
4-Chlorotoluene
Concen: 141.224 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





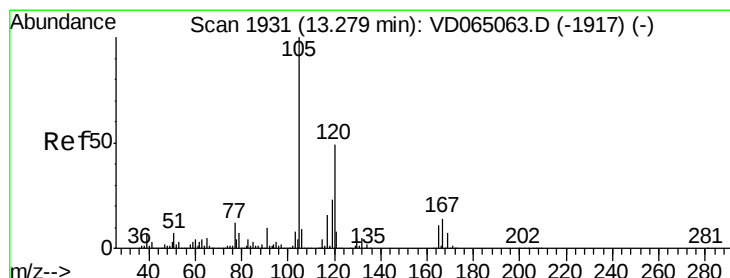
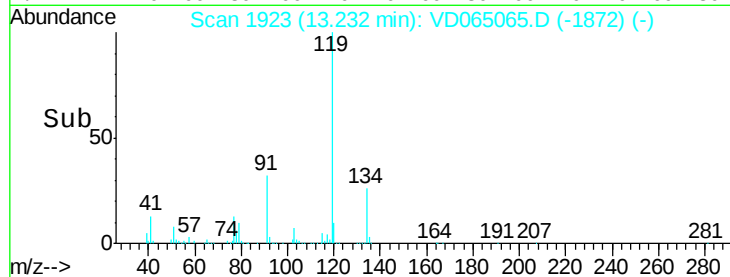
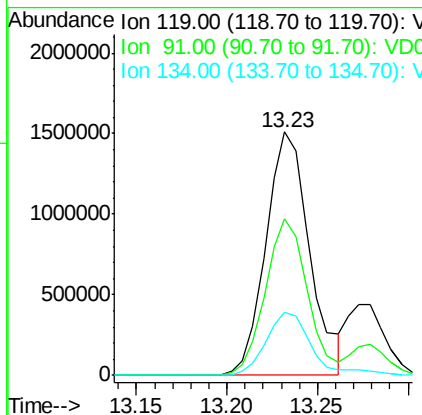
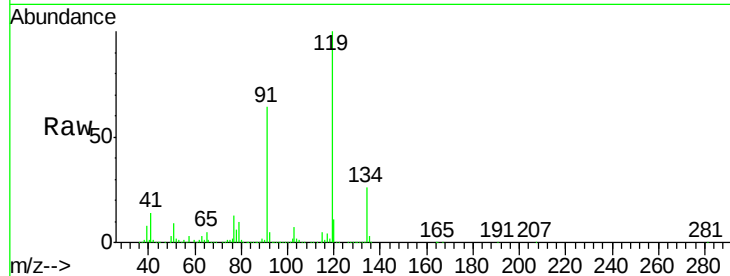
#83
tert-Butylbenzene
Concen: 145.044 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2534378
Ion Ratio Lower Upper
119 100
91 61.7 32.3 96.9
134 26.9 13.8 41.3

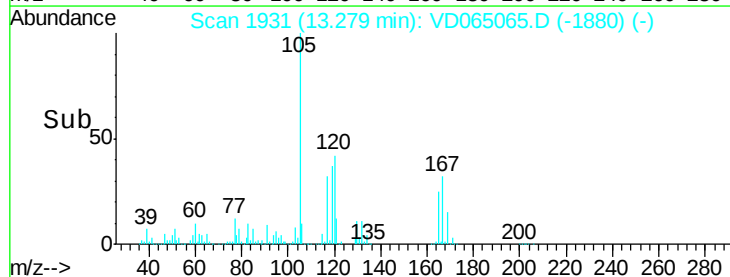
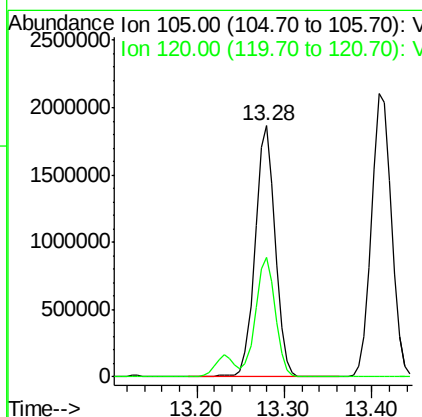
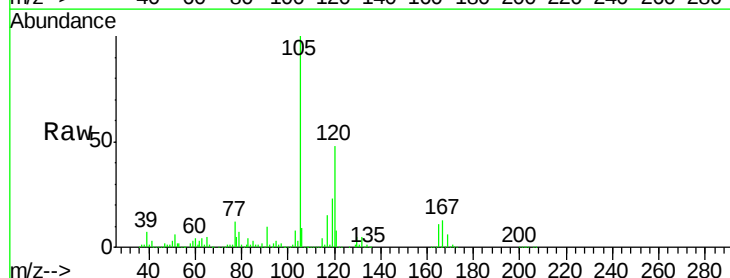
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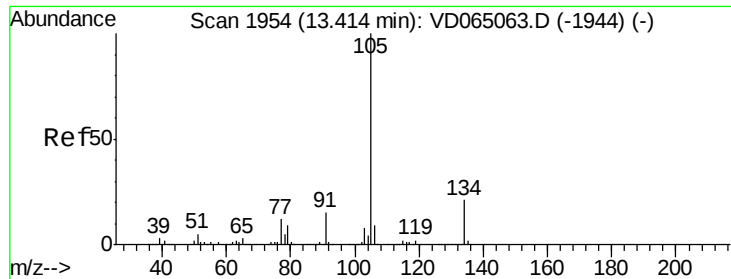
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 140.749 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion:105 Resp: 2930425
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.5





#85

sec-Butylbenzene

Concen: 135.702 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3367556

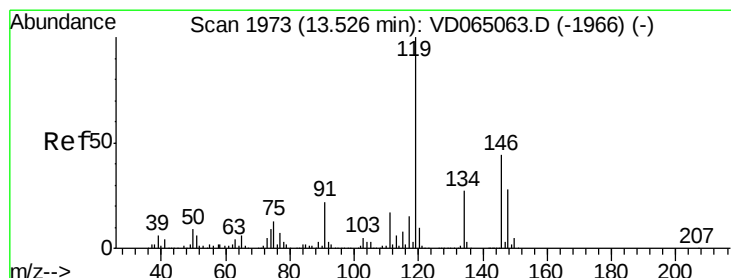
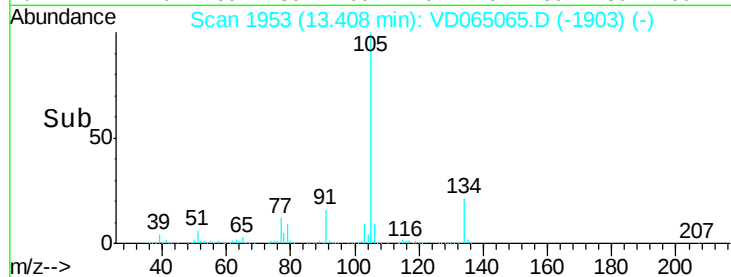
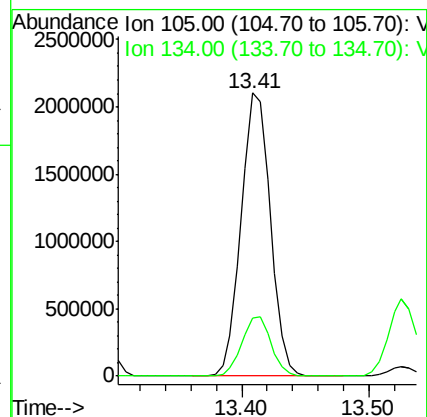
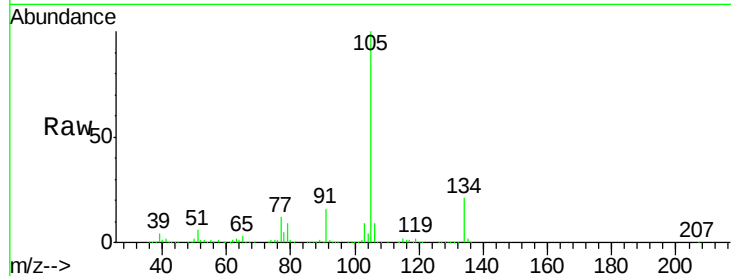
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 138.387 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

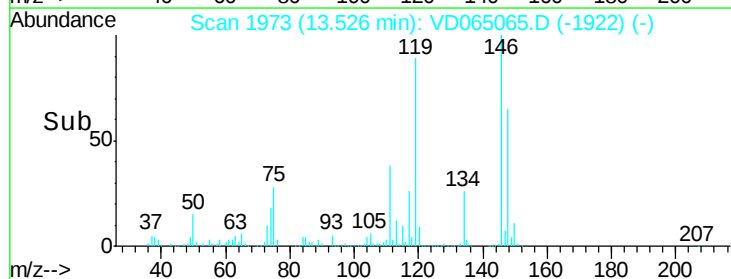
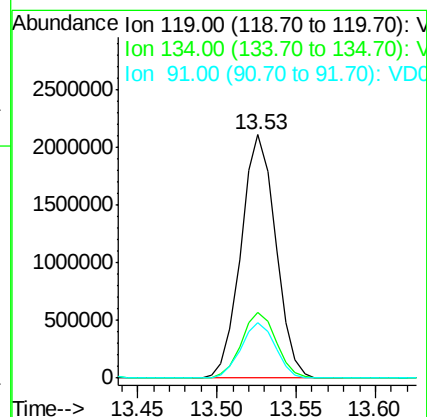
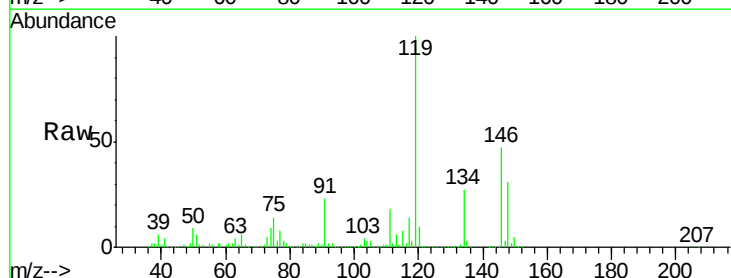
Tgt Ion:119 Resp: 3198708

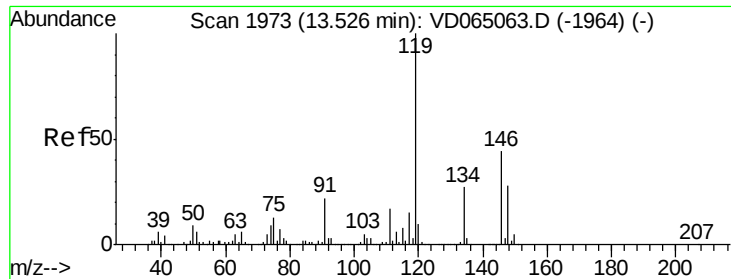
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.4 11.3 33.9





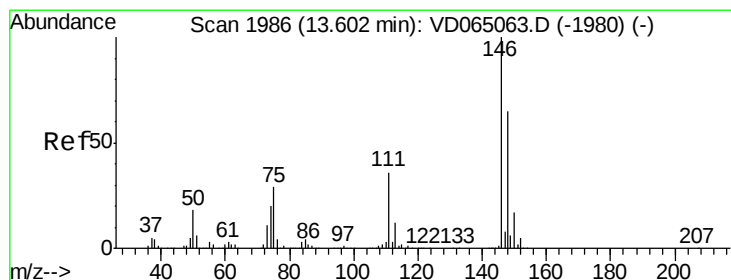
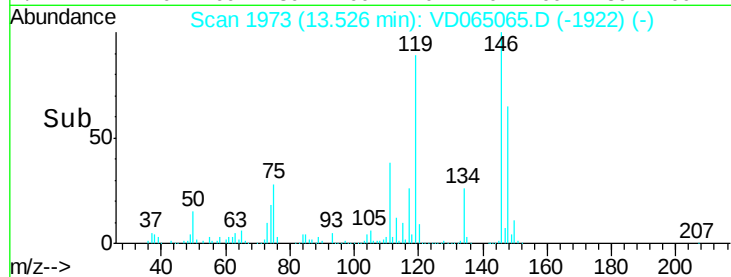
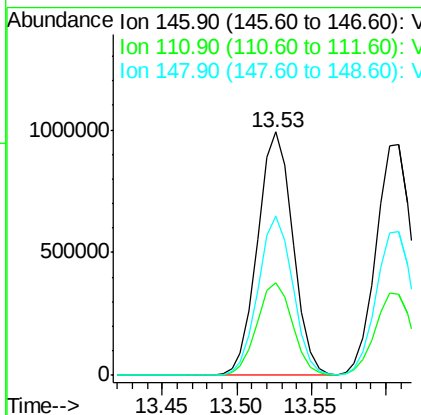
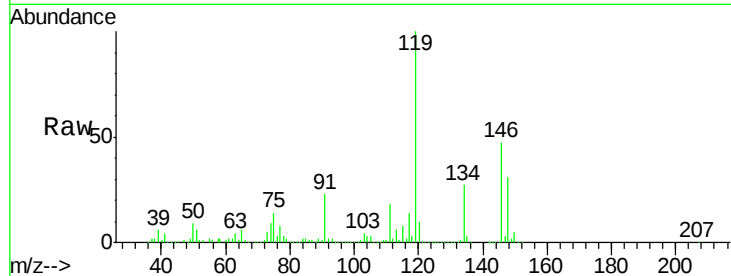
#87
 1,3-Dichlorobenzene
 Concen: 138.010 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1622006
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.4
 148 64.4 32.3 96.8

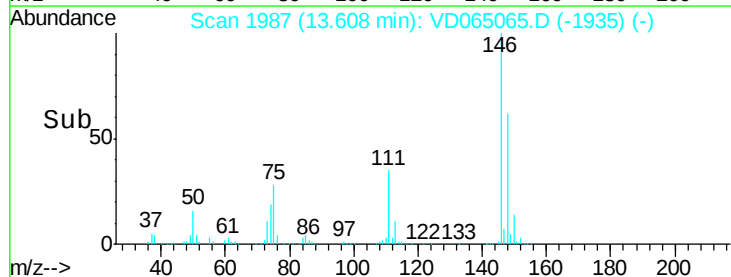
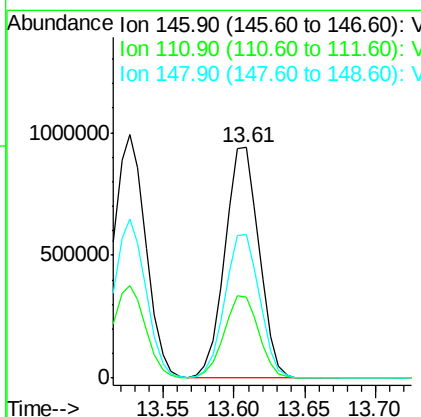
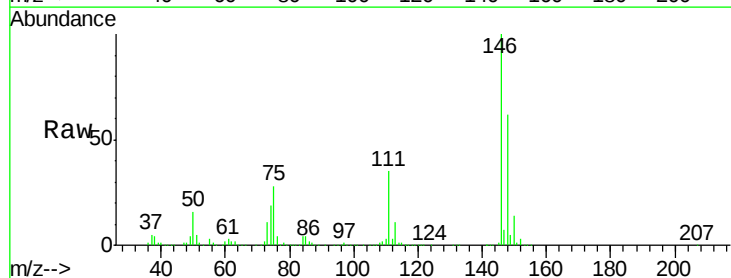
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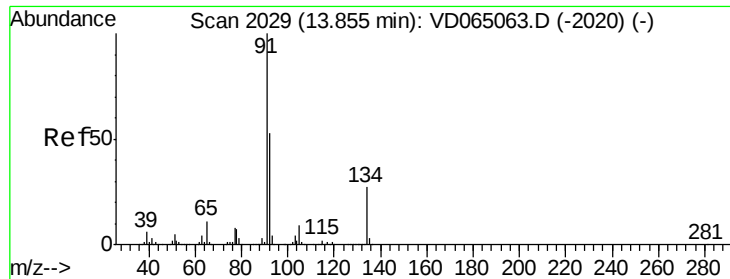
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#88
 1,4-Dichlorobenzene
 Concen: 135.777 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion:146 Resp: 1583544
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.5 55.5
 148 63.3 32.7 98.1





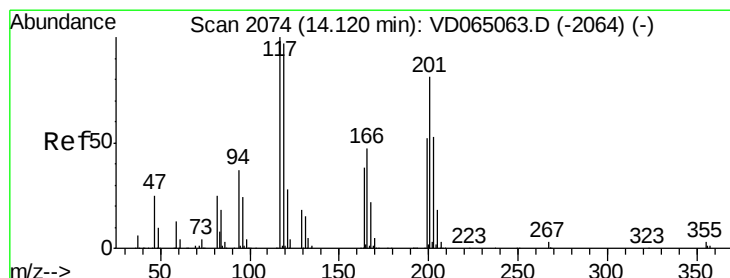
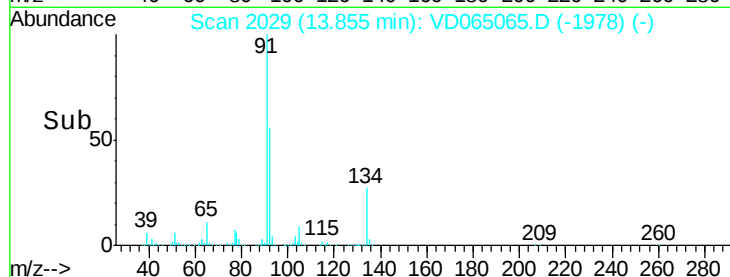
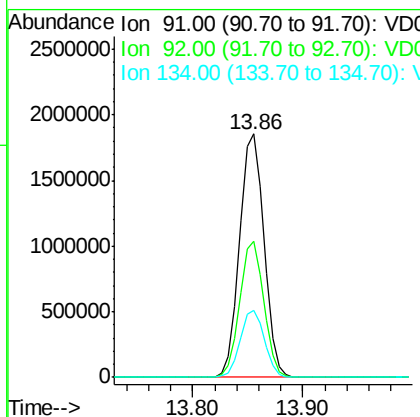
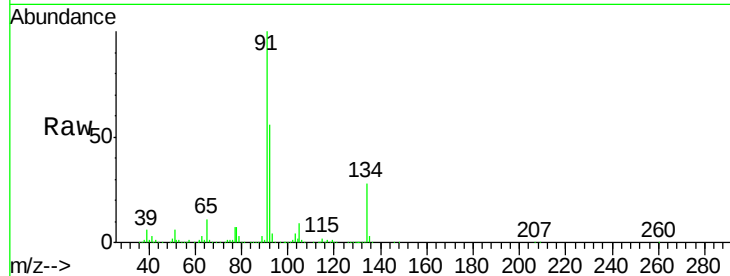
#89
n-Butylbenzene
Concen: 137.062 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	26.7	80.1
134	27.3	13.4	40.2

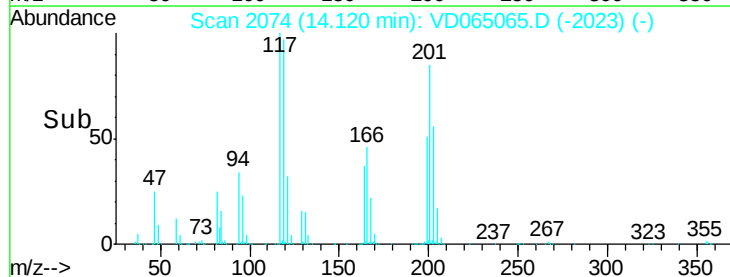
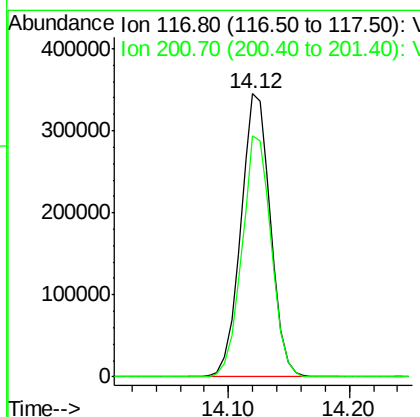
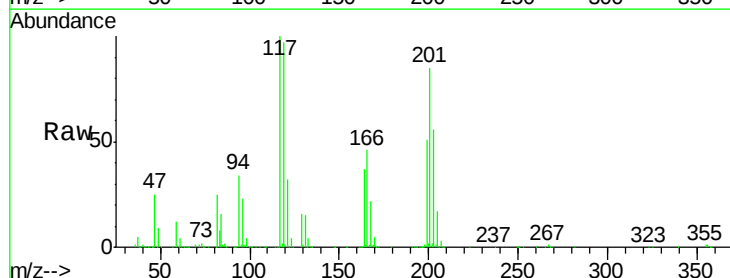
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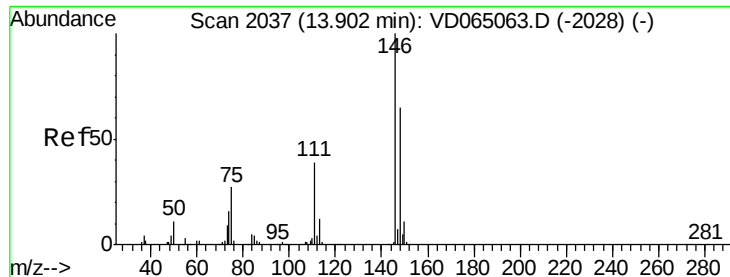
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#90
Hexachloroethane
Concen: 132.187 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 137.620 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1372200

Ion Ratio Lower Upper

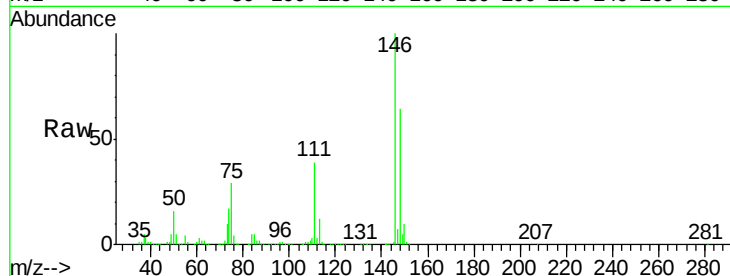
146 100

111 39.7 19.7 59.1

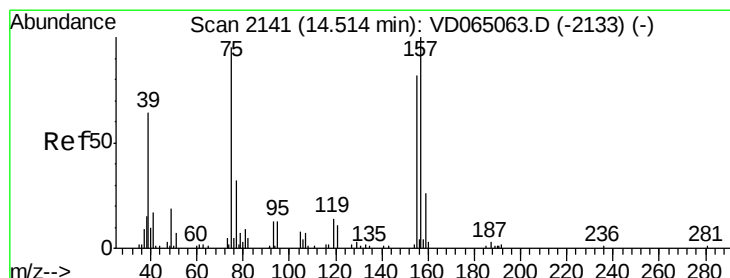
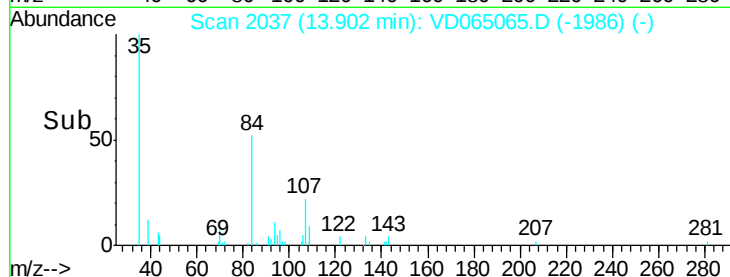
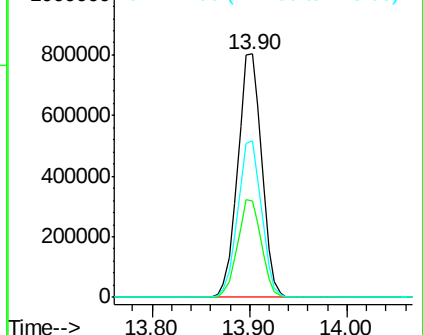
148 64.0 31.9 95.5

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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: 136.304 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD065065.D

Acq: 05 Feb 2020 15:31

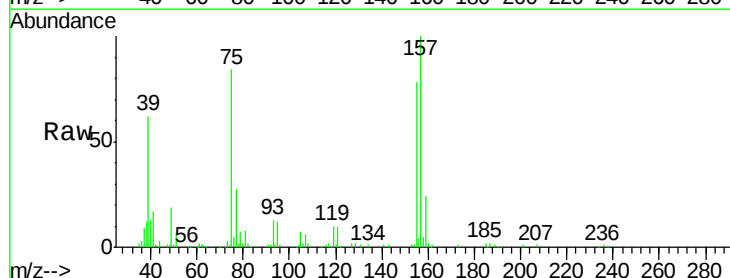
Tgt Ion: 75 Resp: 91890

Ion Ratio Lower Upper

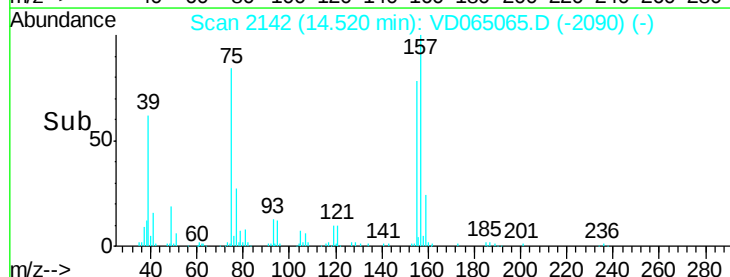
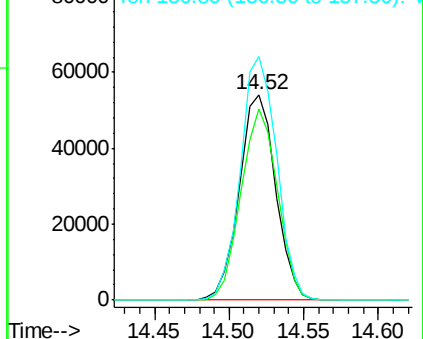
75 100

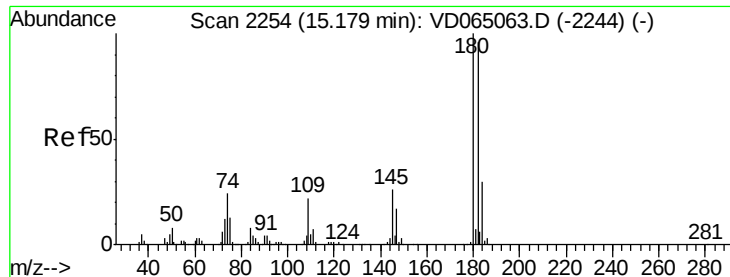
155 92.8 43.4 130.1

157 117.8 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





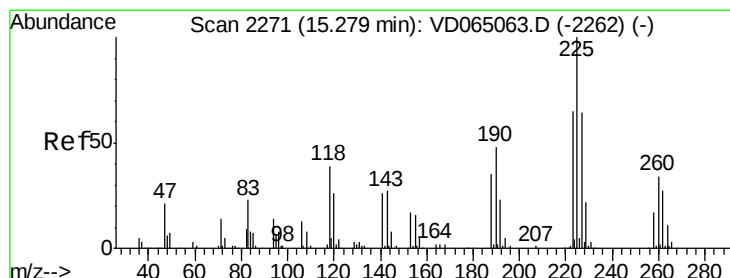
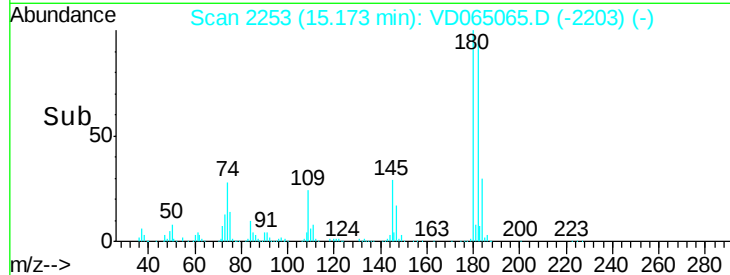
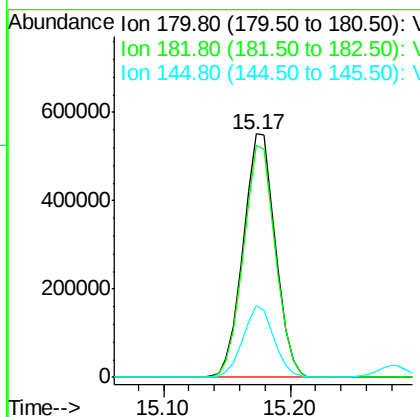
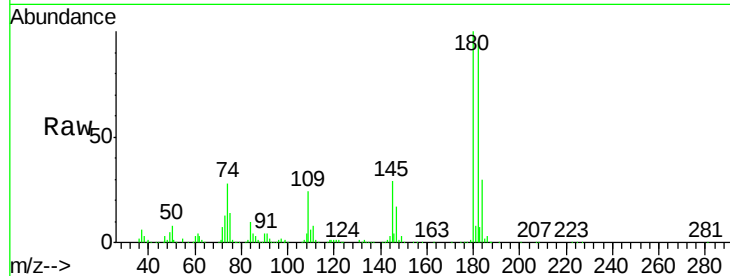
#93
 1,2,4-Trichlorobenzene
 Concen: 140.013 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	972220
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.4	142.3
145	28.4	14.1	42.4

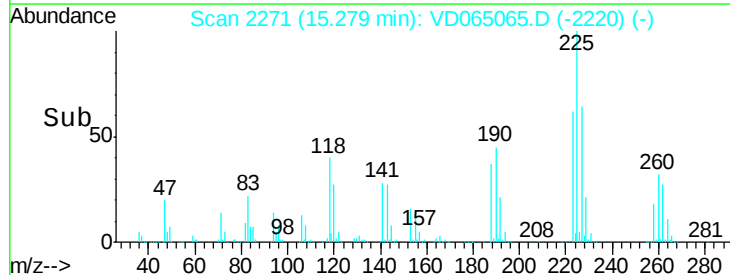
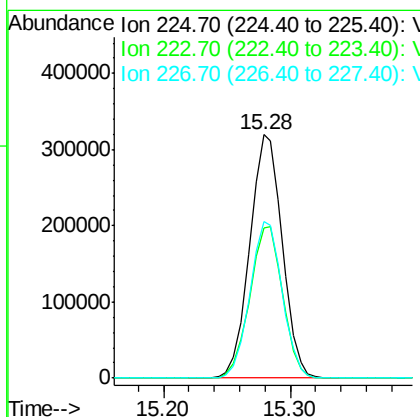
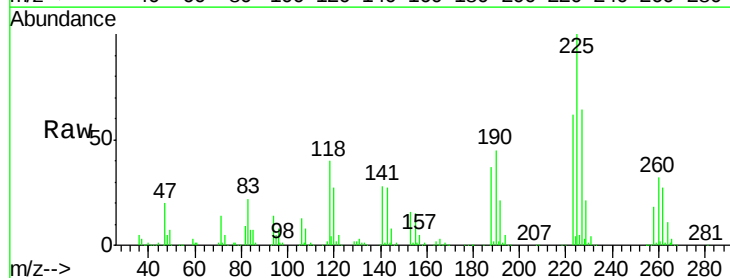
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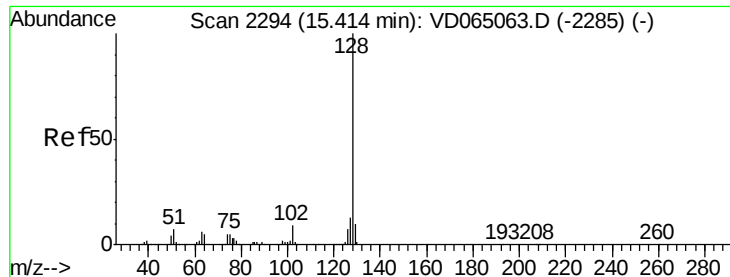
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#94
 Hexachlorobutadiene
 Concen: 129.687 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065065.D
 Acq: 05 Feb 2020 15:31

Tgt Ion:	225	Resp:	569617
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.4	94.0
227	63.7	31.8	95.3





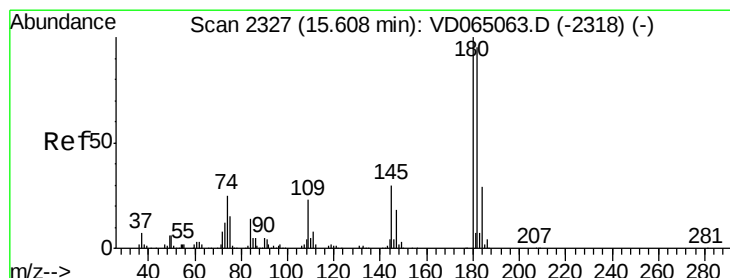
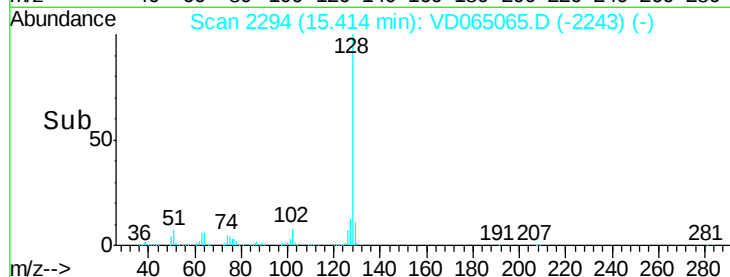
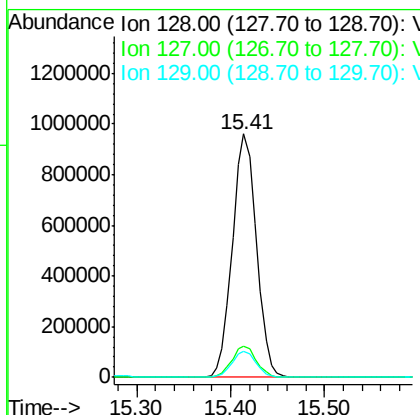
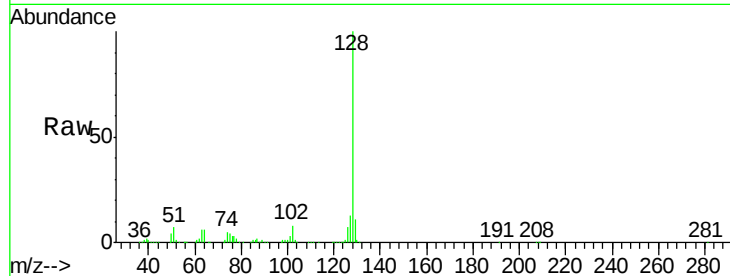
#95
Naphthalene
Concen: 152.879 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.8	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 140.242 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065065.D
Acq: 05 Feb 2020 15:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	30.0	14.9	44.9

