

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065923.D
 Acq On : 07 Jul 2020 15:01
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:31 PM

Quant Time: Jul 08 09:41:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	432514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	649404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	595714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	189145	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	7.91	113	202247	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.34	98	743034	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.64	95	262758	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	174342	45.342	ug/l 100
3) Chloromethane	2.20	50	170916	44.840	ug/l 100
4) Vinyl Chloride	2.35	62	164609	47.033	ug/l 100
5) Bromomethane	2.77	94	104264	47.030	ug/l 100
6) Chloroethane	2.93	64	100313	47.948	ug/l 100
7) Trichlorofluoromethane	3.27	101	355940	47.452	ug/l 100
8) Diethyl Ether	3.71	74	98088	47.665	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	218053	48.599	ug/l 100
10) Methyl Iodide	4.30	142	228062	53.521	ug/l 100
11) Tert butyl alcohol	5.22	59	57948	213.410	ug/l 100
12) 1,1-Dichloroethene	4.07	96	201647	48.107	ug/l 100
13) Acrolein	3.92	56	45176	199.763	ug/l 100
14) Allyl chloride	4.72	41	351682	49.509	ug/l 100
15) Acrylonitrile	5.42	53	221903	246.286	ug/l 100
16) Acetone	4.16	43	208815	232.453	ug/l 100
17) Carbon Disulfide	4.41	76	638153	47.781	ug/l 100
18) Methyl Acetate	4.72	43	97259	46.188	ug/l 100
19) Methyl tert-butyl Ether	5.48	73	439917	49.572	ug/l 100
20) Methylene Chloride	4.97	84	255860	40.095	ug/l 100
21) trans-1,2-Dichloroethene	5.47	96	233633	49.540	ug/l 100
22) Diisopropyl ether	6.36	45	676445	50.673	ug/l 100
23) Vinyl Acetate	6.30	43	1936696	254.170	ug/l 100
24) 1,1-Dichloroethane	6.26	63	391989	49.245	ug/l 100
25) 2-Butanone	7.21	43	288440	242.993	ug/l 100
26) 2,2-Dichloropropane	7.21	77	339668	48.778	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	251557	49.644	ug/l 100
28) Bromochloromethane	7.54	49	140720	46.797	ug/l 100
29) Tetrahydrofuran	7.56	42	183097	242.574	ug/l 100
30) Chloroform	7.71	83	394673	48.908	ug/l 100
31) Cyclohexane	7.98	56	367871	46.971	ug/l 100
32) 1,1,1-Trichloroethane	7.91	97	361994	49.155	ug/l 100
36) 1,1-Dichloropropene	8.11	75	311127	48.509	ug/l 100
37) Ethyl Acetate	7.29	43	122036	45.411	ug/l 100
38) Carbon Tetrachloride	8.10	117	332875	48.421	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	393630	49.989	ug/l	100
40) Benzene	8.35	78	888618	50.151	ug/l	100
41) Methacrylonitrile	7.53	41	78522	49.159	ug/l	100
42) 1,2-Dichloroethane	8.43	62	249417	49.688	ug/l	100
43) Isopropyl Acetate	8.45	43	249363	49.851	ug/l	100
44) Trichloroethene	9.11	130	255220	49.023	ug/l	100
45) 1,2-Dichloropropane	9.39	63	219816	49.983	ug/l	100
46) Dibromomethane	9.47	93	113024	49.364	ug/l	100
47) Bromodichloromethane	9.67	83	305954	49.816	ug/l	100
48) Methyl methacrylate	9.46	41	127941	50.806	ug/l	100
49) 1,4-Dioxane	9.47	88	26755	983.460	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	616656	243.839	ug/l	100
52) Toluene	10.40	92	574344	50.950	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	291857	50.539	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	348859	49.994	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	155091	49.163	ug/l	100
56) Ethyl methacrylate	10.66	69	197639	51.295	ug/l	100
57) 1,3-Dichloropropane	10.95	76	272851	49.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	453414	242.986	ug/l	100
59) 2-Hexanone	10.98	43	430251	247.377	ug/l	100
60) Dibromochloromethane	11.14	129	212156	49.224	ug/l	100
61) 1,2-Dibromoethane	11.25	107	153767	48.889	ug/l	100
64) Tetrachloroethene	10.88	164	213284	49.232	ug/l	100
65) Chlorobenzene	11.67	112	603571	50.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	225377	50.194	ug/l	100
67) Ethyl Benzene	11.75	91	1084955	50.873	ug/l	100
68) m/p-Xylenes	11.86	106	832239	102.712	ug/l	100
69) o-Xylene	12.18	106	380815	51.594	ug/l	100
70) Styrene	12.20	104	663939	52.108	ug/l	100
71) Bromoform	12.36	173	124084	48.838	ug/l	# 100
73) Isopropylbenzene	12.48	105	1054745	51.308	ug/l	100
74) N-amyl acetate	12.29	43	227614	49.343	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	166634	48.825	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	116597m	47.381	ug/l	
77) Bromobenzene	12.76	156	249780	50.097	ug/l	100
78) n-propylbenzene	12.83	91	1231306	51.089	ug/l	100
79) 2-Chlorotoluene	12.91	91	685101	50.107	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	859020	51.089	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57152	49.700	ug/l	100
82) 4-Chlorotoluene	13.01	91	717762	50.035	ug/l	100
83) tert-Butylbenzene	13.23	119	736800	51.434	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	849674	50.765	ug/l	100
85) sec-Butylbenzene	13.40	105	1038001	51.129	ug/l	100
86) p-Isopropyltoluene	13.52	119	959976	51.698	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	465858	49.932	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	465655	50.028	ug/l	100
89) n-Butylbenzene	13.84	91	894646	51.306	ug/l	100
90) Hexachloroethane	14.11	117	189406	50.582	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	406979	49.909	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27892	48.875	ug/l	100

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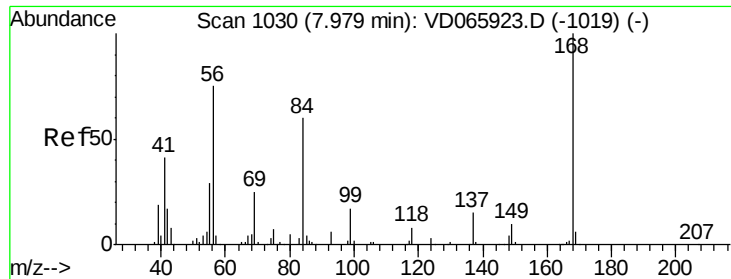
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291370	50.135	ug/l	100
94) Hexachlorobutadiene	15.27	225	180035	51.212	ug/l	100
95) Naphthalene	15.40	128	487958	50.062	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	249925	49.856	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 432514

Ion Ratio Lower Upper

168 100

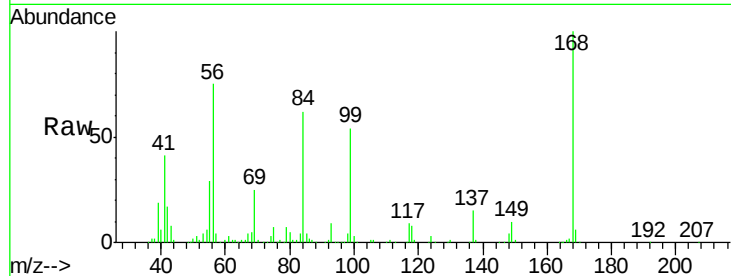
99 53.9 43.1 64.7

Manual Integrations

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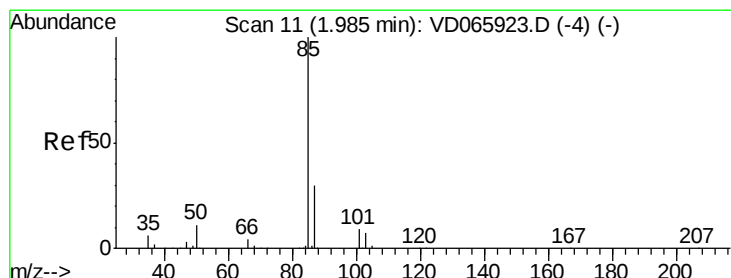
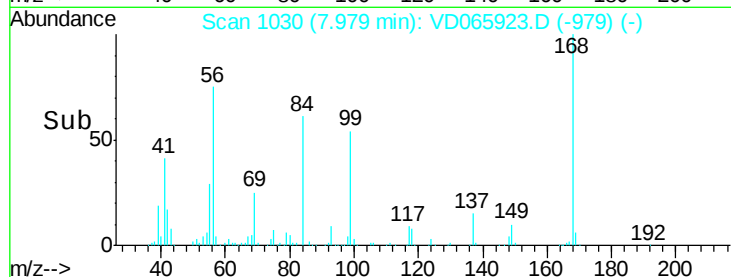
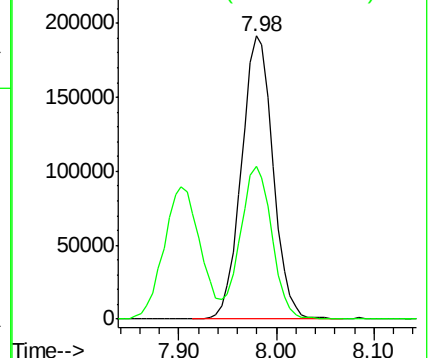
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.342 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065923.D

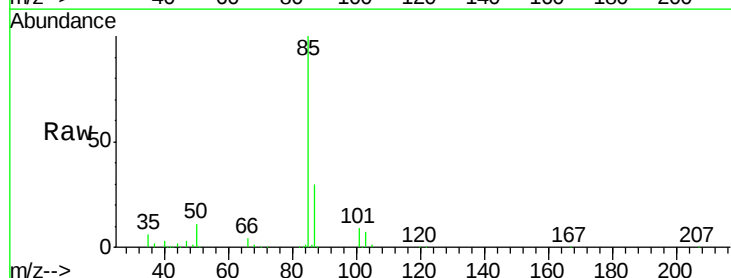
Acq: 07 Jul 2020 15:01

Tgt Ion: 85 Resp: 174342

Ion Ratio Lower Upper

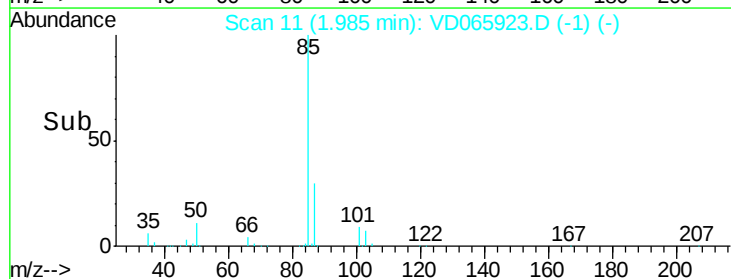
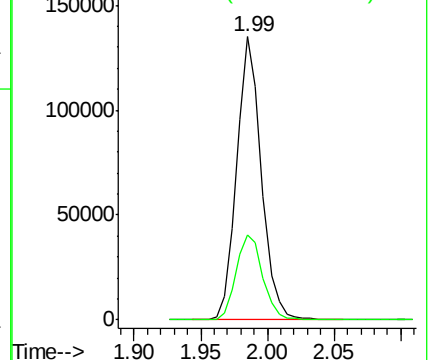
85 100

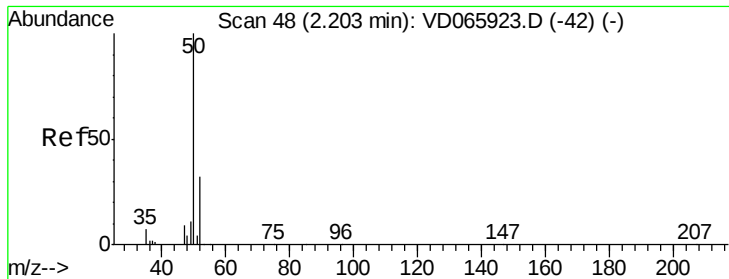
87 29.9 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.840 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 170916

Ion Ratio Lower Upper

50 100

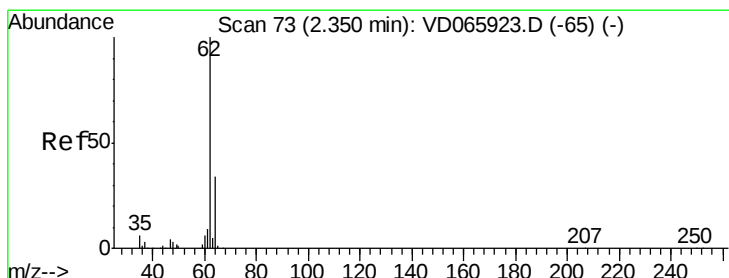
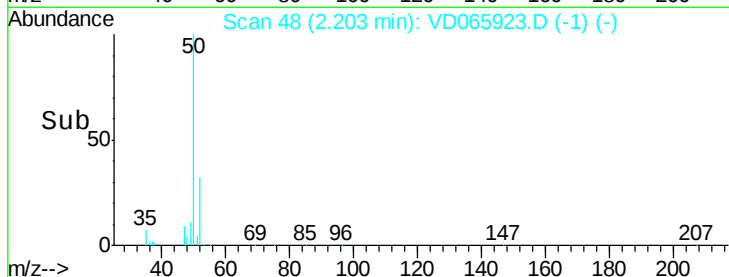
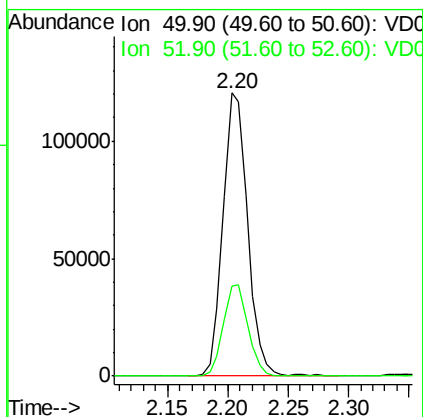
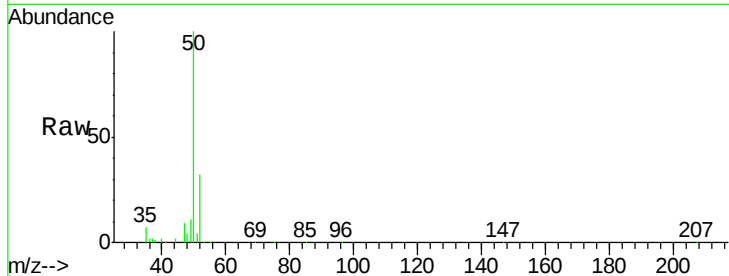
52 32.0 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.033 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065923.D

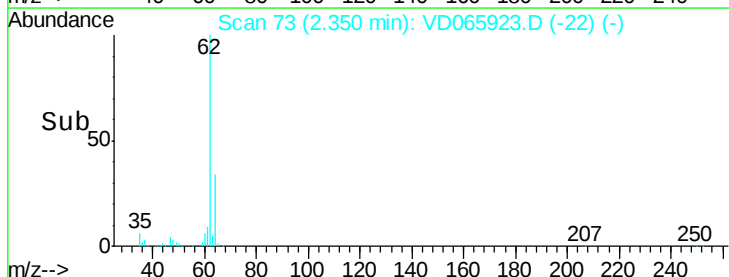
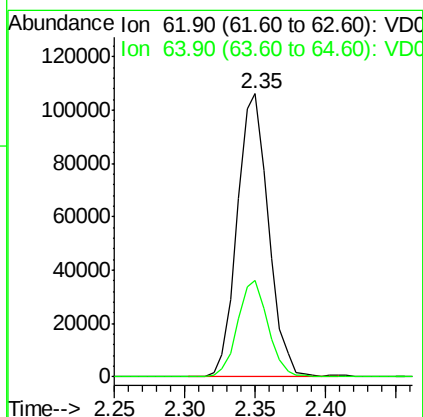
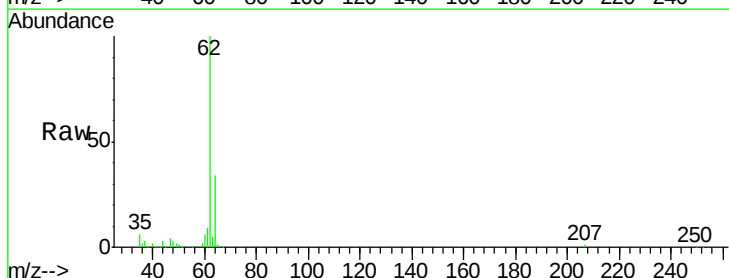
Acq: 07 Jul 2020 15:01

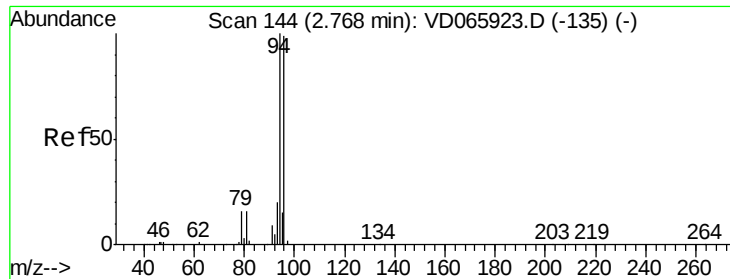
Tgt Ion: 62 Resp: 164609

Ion Ratio Lower Upper

62 100

64 34.0 27.2 40.8





#5

Bromomethane

Concen: 47.030 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 104264

Ion Ratio Lower Upper

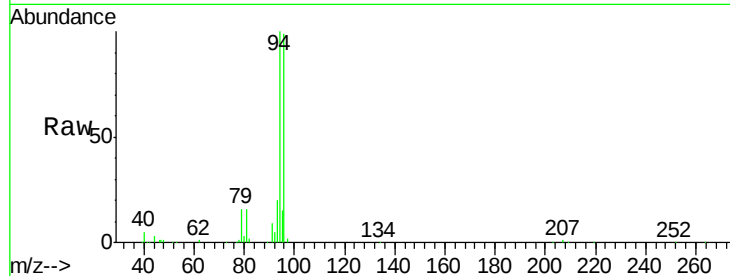
94 100

96 98.5 78.8 118.2

Manual Integrations
APPROVED

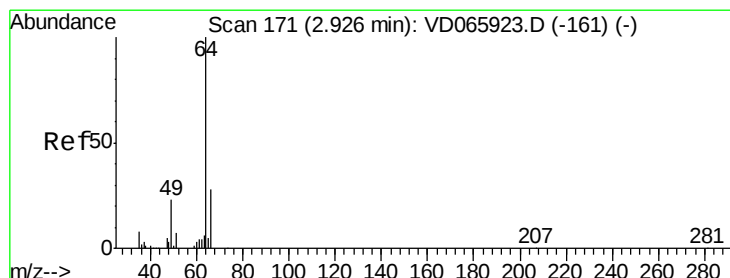
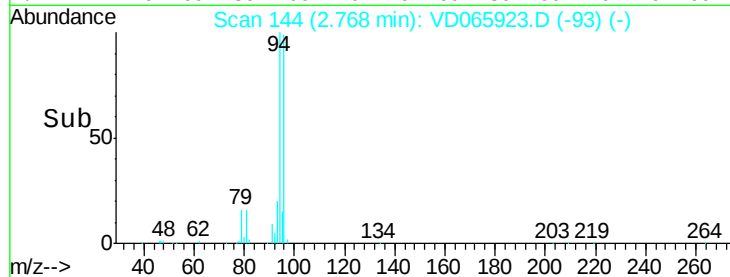
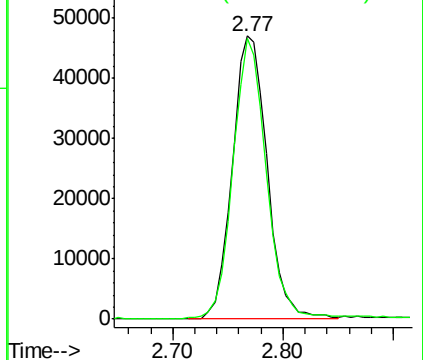
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.948 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065923.D

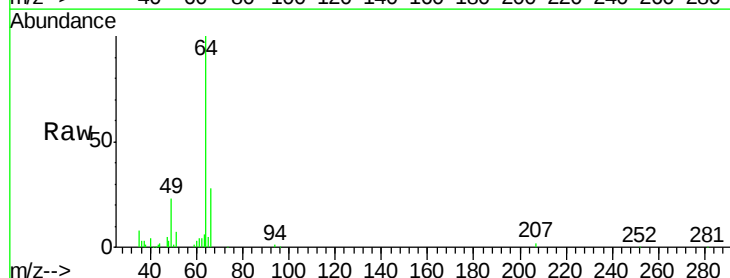
Acq: 07 Jul 2020 15:01

Tgt Ion: 64 Resp: 100313

Ion Ratio Lower Upper

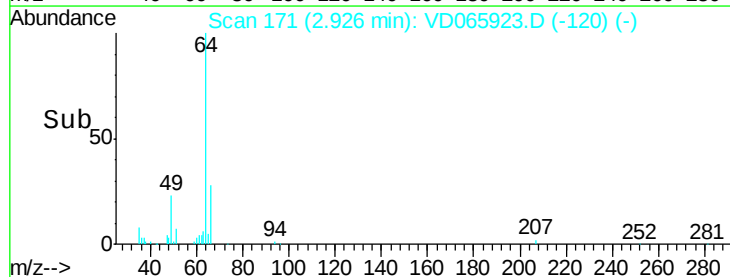
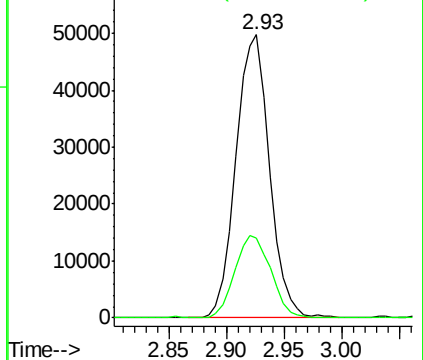
64 100

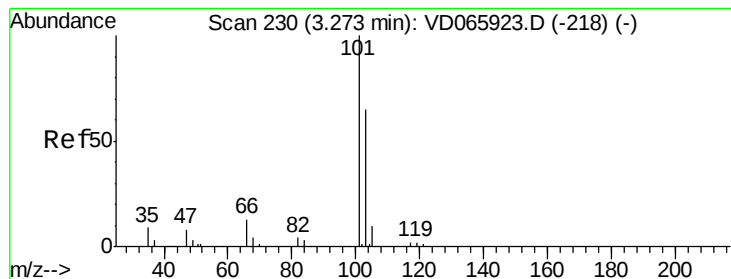
66 28.2 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

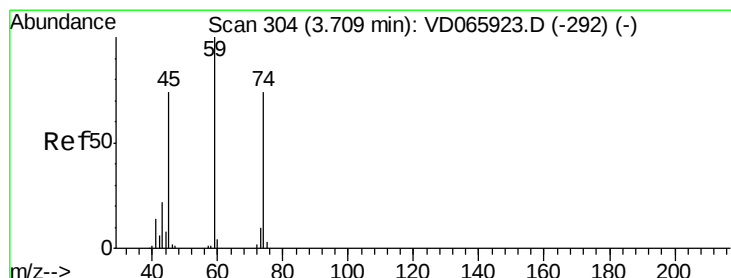
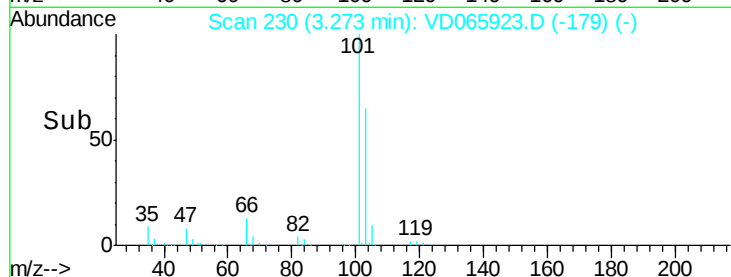
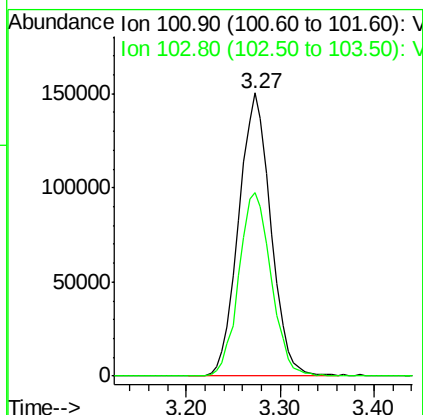
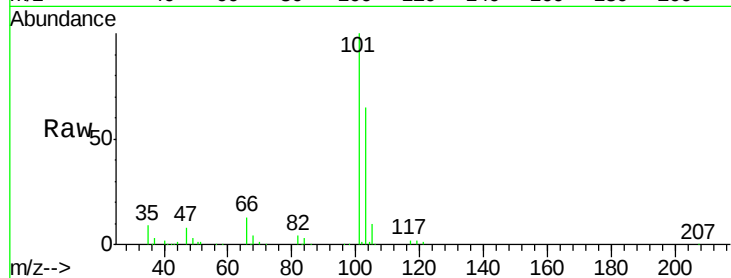
Trichlorofluoromethane
 Concen: 47.452 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

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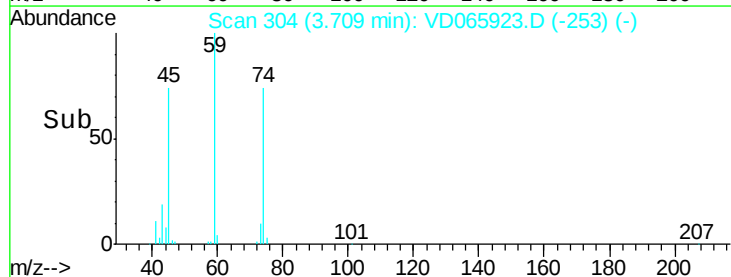
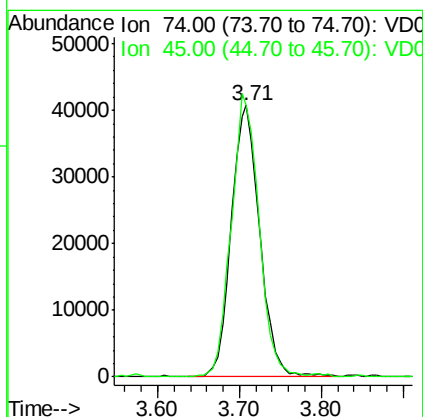
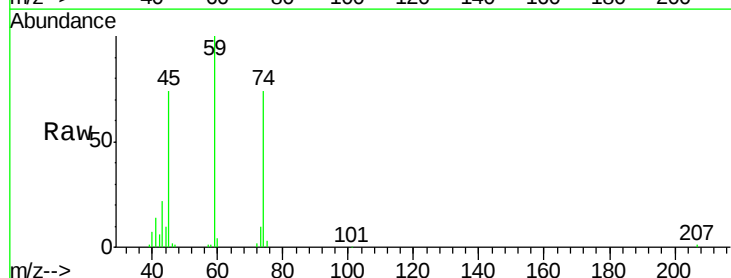
MMDadoda
 7/8/2020 12:05:31 PM

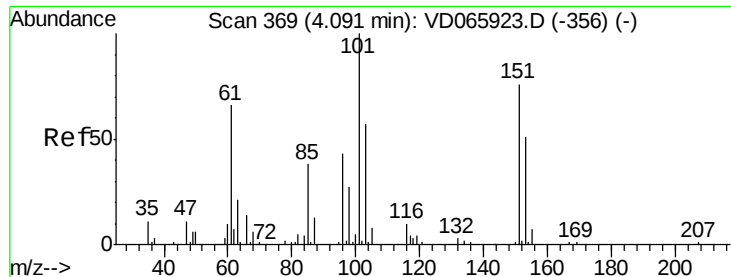


#8

Diethyl Ether
 Concen: 47.665 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.599 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

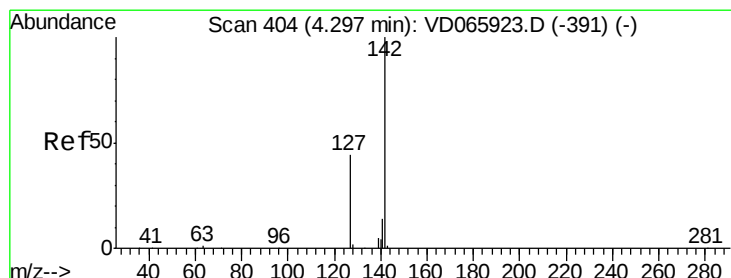
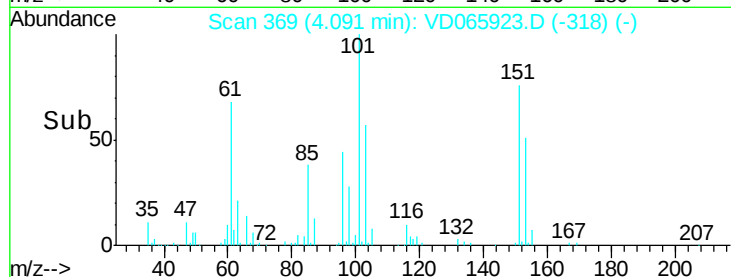
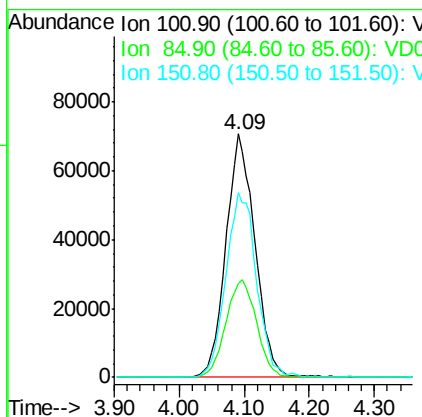
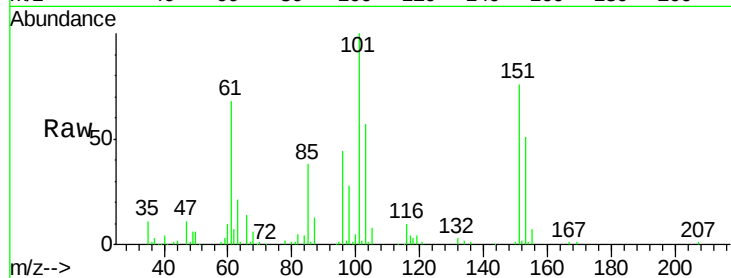
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	218053
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.8	50.8
151	80.1	64.1	96.1

Manual Integrations
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#10

Methyl Iodide

Concen: 53.521 ug/l

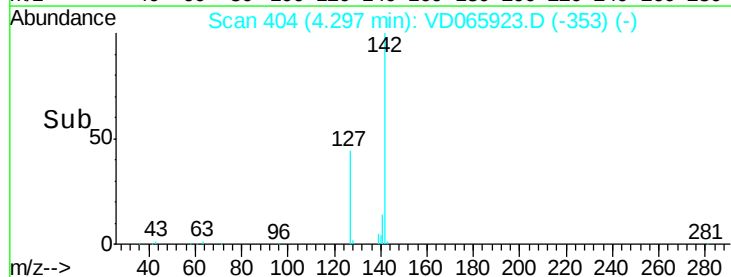
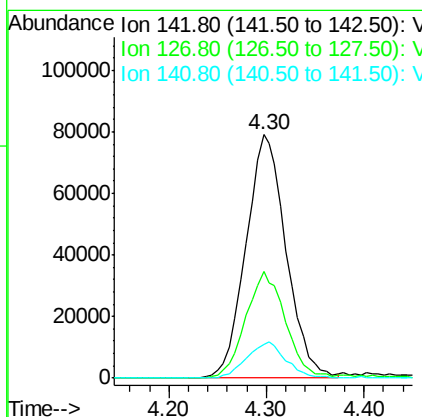
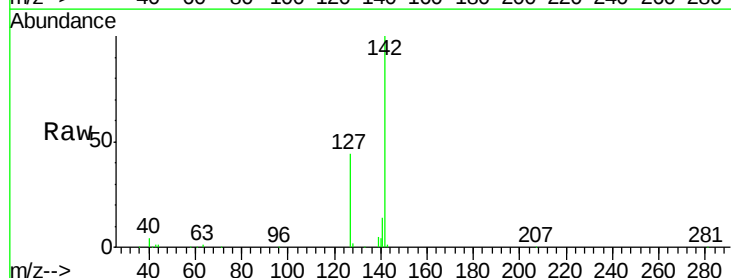
RT: 4.30 min Scan# 404

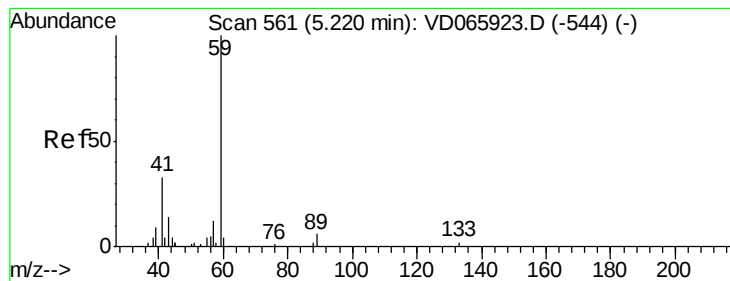
Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Tgt Ion:	142	Resp:	228062
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.6	51.8
141	14.5	11.6	17.4





#11

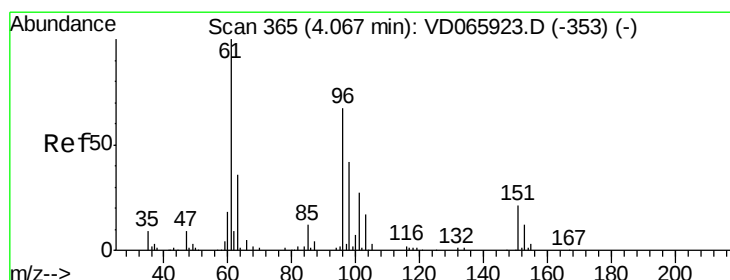
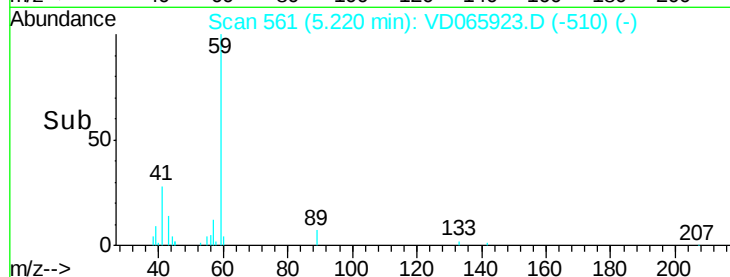
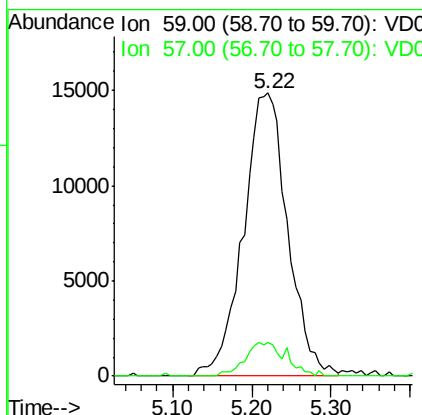
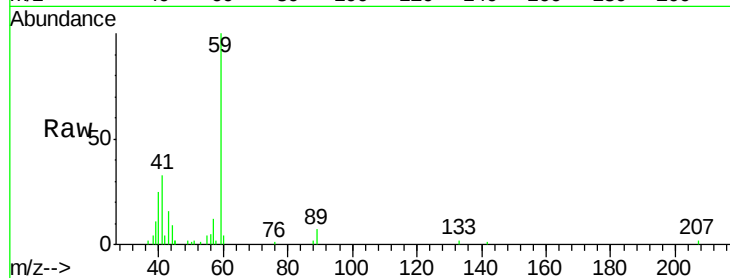
Tert butyl alcohol
Concen: 213.410 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	57948
Ion Ratio	100	Lower	Upper
57	10.9	8.7	13.1

Manual Integrations
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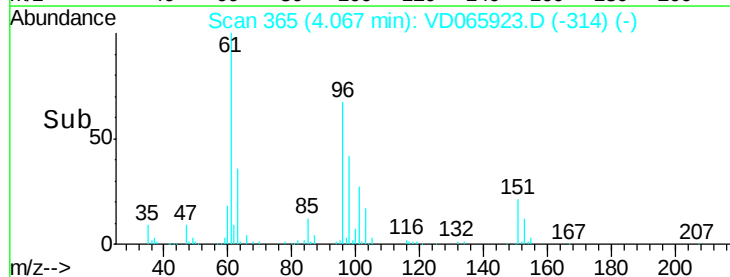
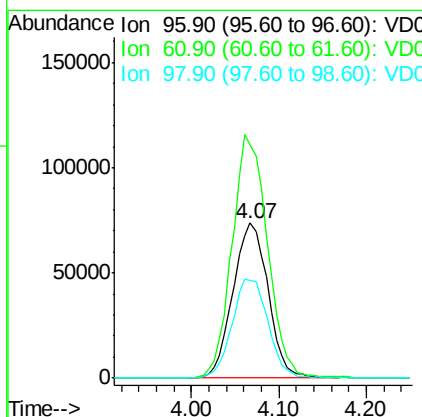
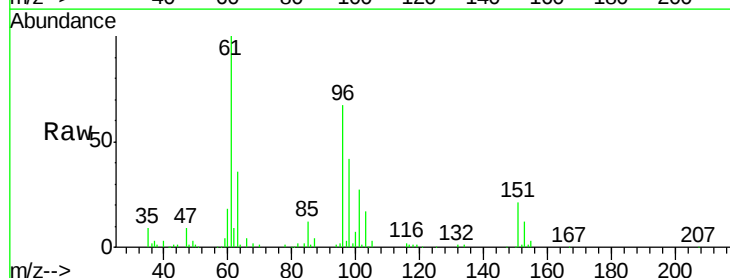
MMDadoda
7/8/2020 12:05:31 PM

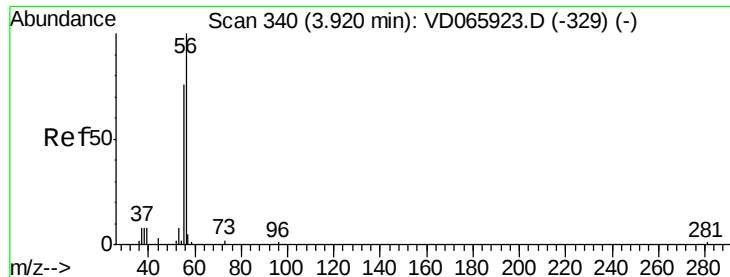


#12

1,1-Dichloroethene
Concen: 48.107 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	96	Resp	201647
Ion Ratio	100	Lower	Upper
61	150.2	120.2	180.2
98	63.3	50.6	76.0





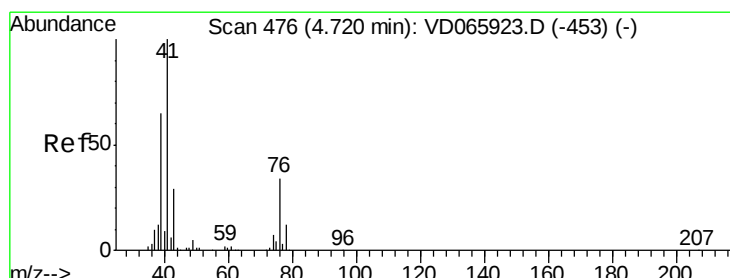
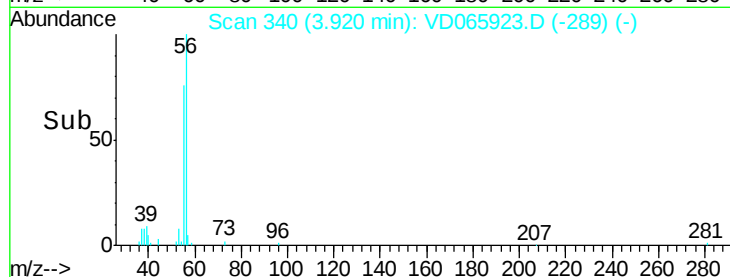
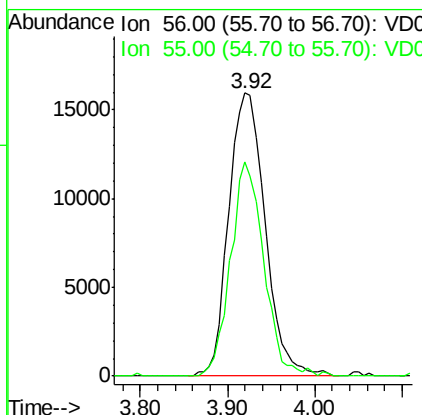
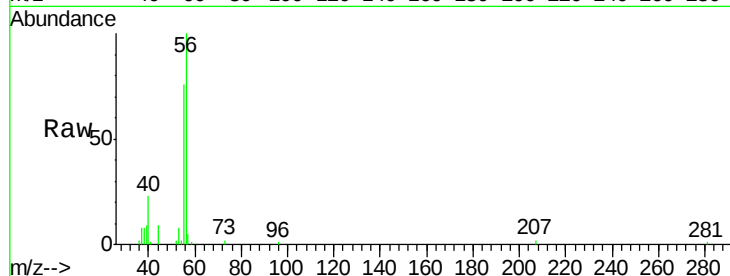
#13
Acrolein
Concen: 199.763 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.8	55.0	82.6

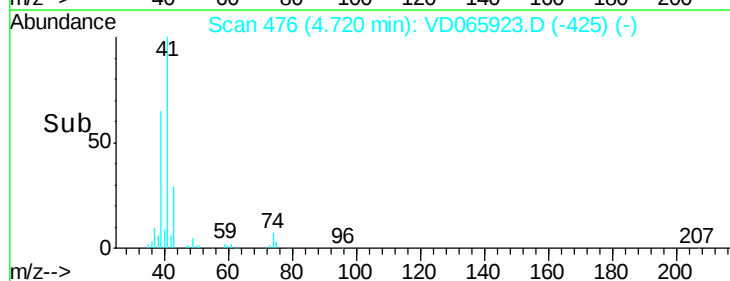
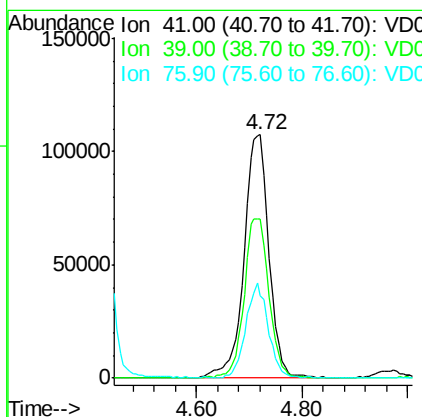
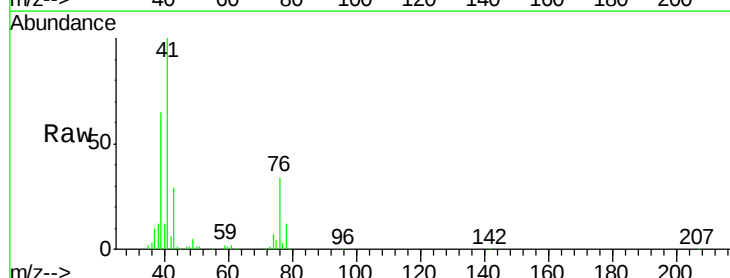
Manual Integrations
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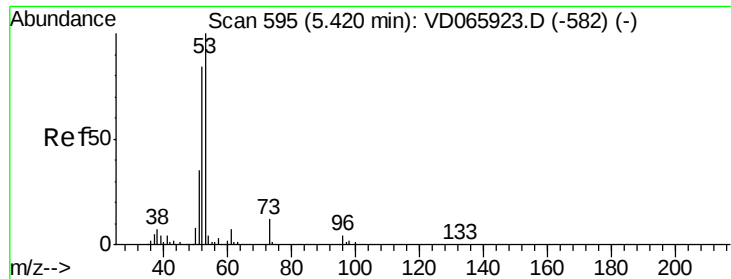
MMDadoda
7/8/2020 12:05:31 PM



#14
Allyl chloride
Concen: 49.509 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.3	52.2	78.4
76	35.1	28.1	42.1





#15

Acrylonitrile

Concen: 246.286 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

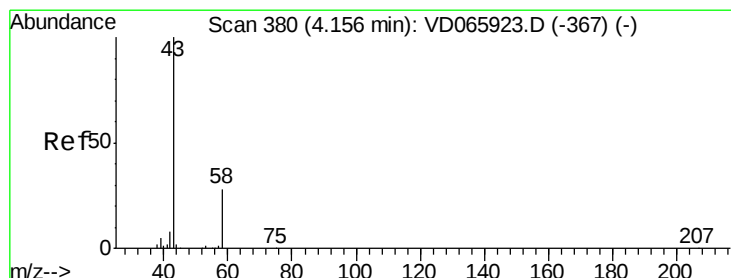
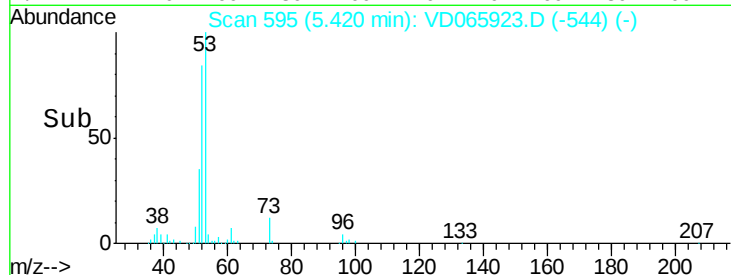
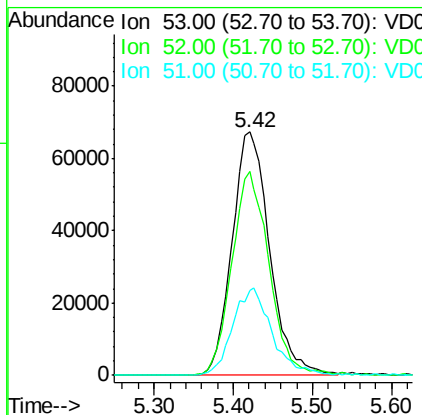
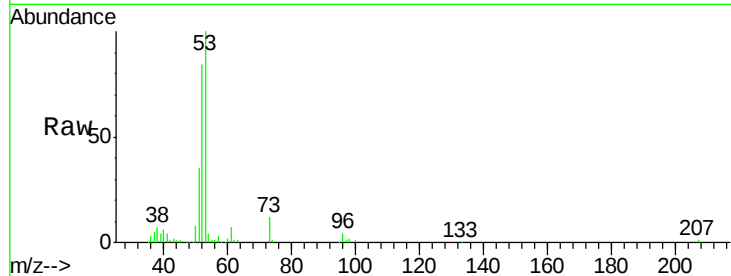
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	221903
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 232.453 ug/l

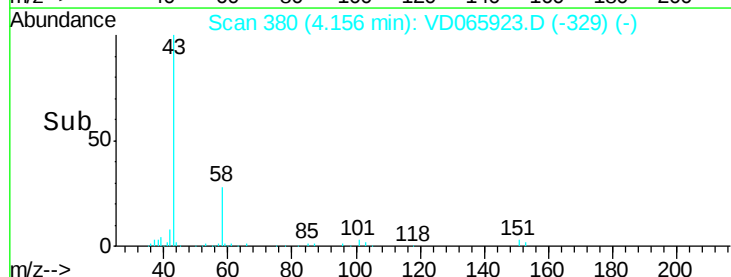
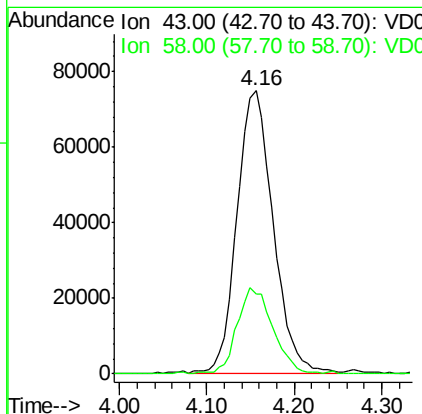
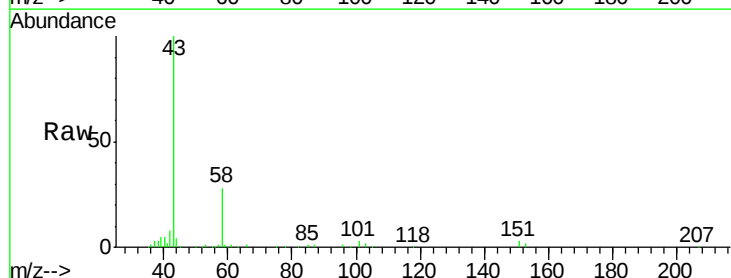
RT: 4.16 min Scan# 380

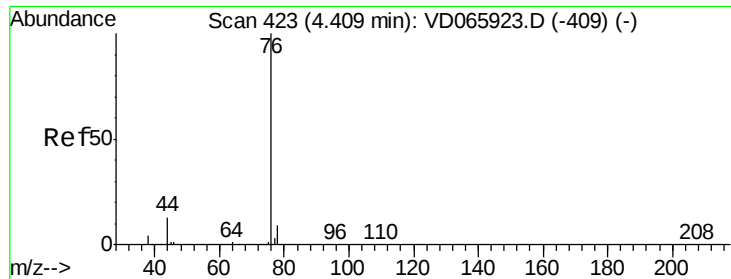
Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Tgt Ion:	43	Resp:	208815
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.7	34.1





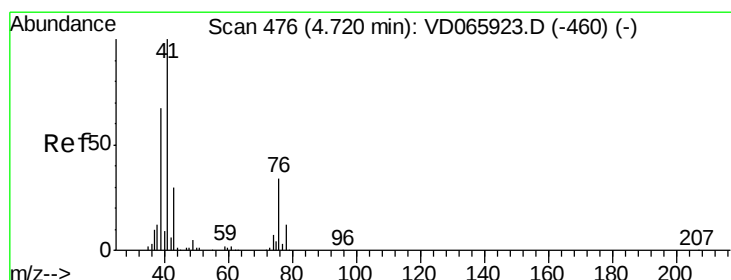
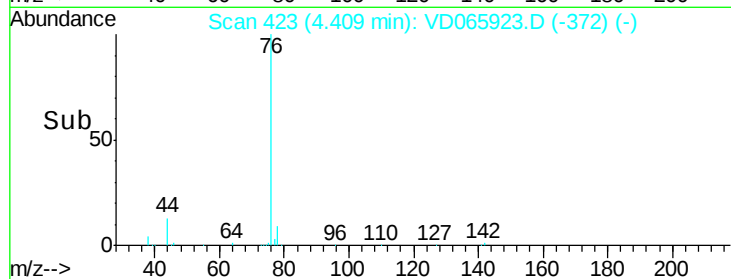
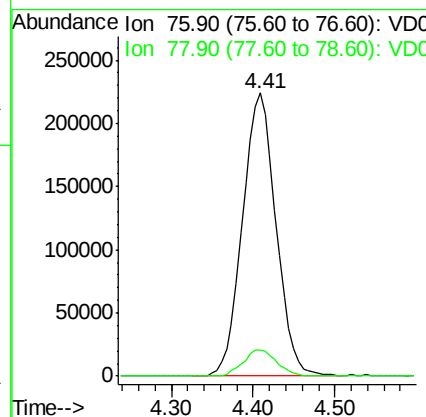
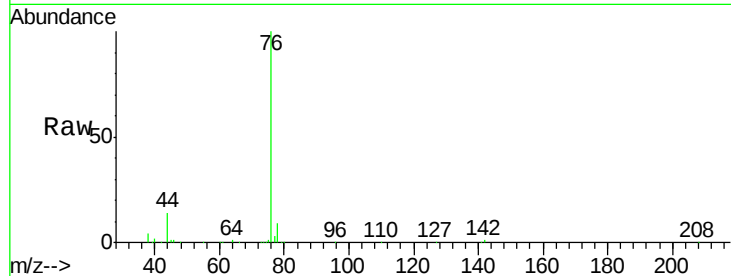
#17
Carbon Disulfide
Concen: 47.781 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

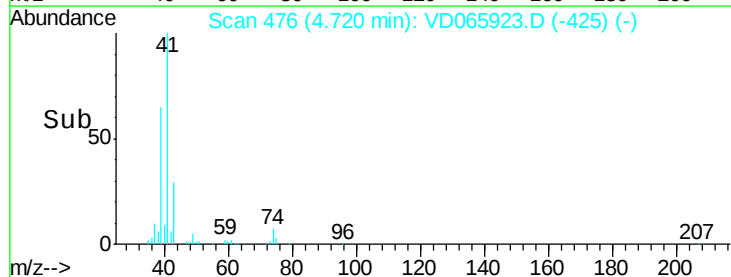
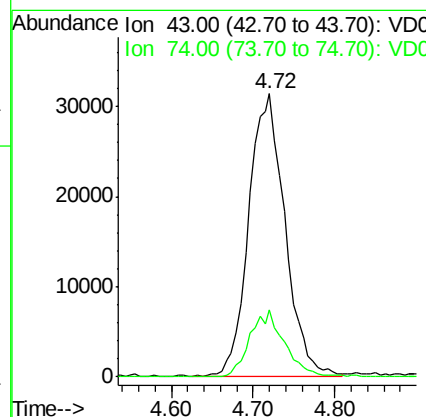
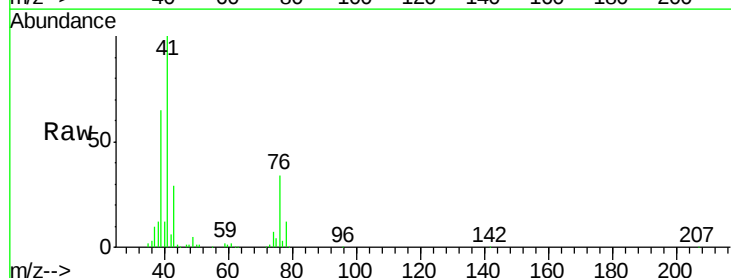
Manual Integrations
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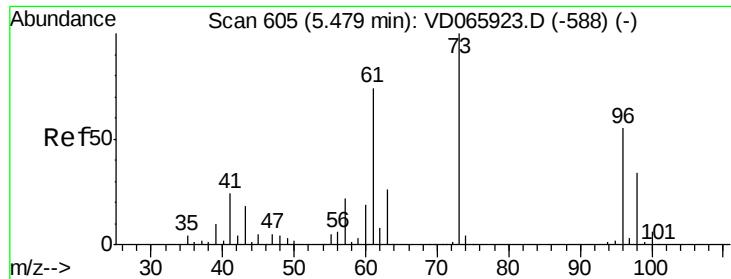
MMDadoda
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#18
Methyl Acetate
Concen: 46.188 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.8	26.8





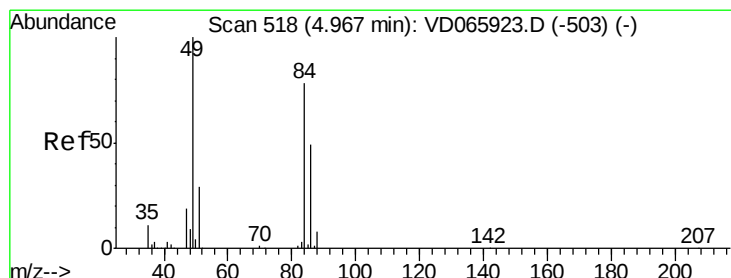
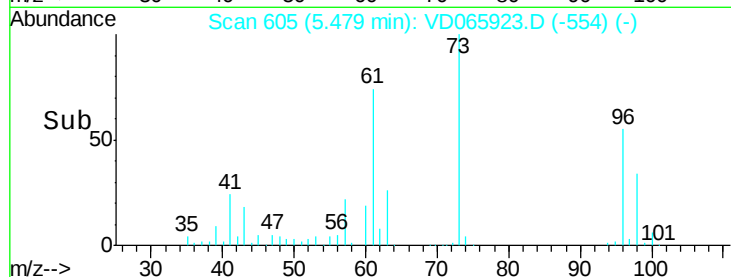
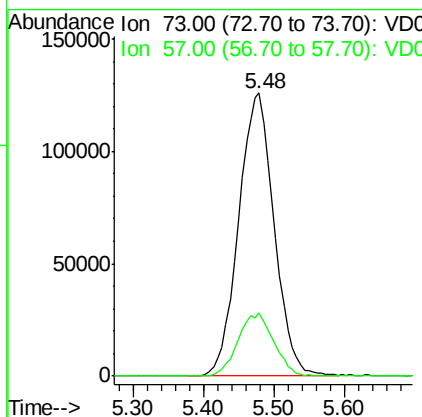
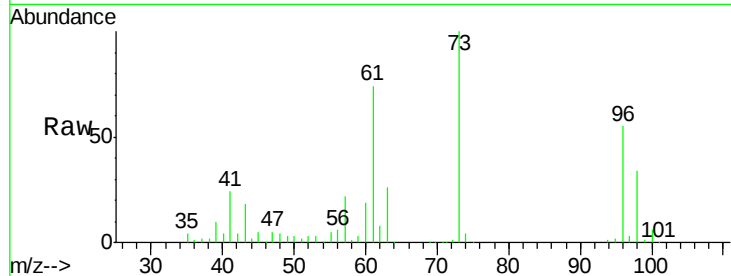
#19
Methvl tert-butvl Ether
Concen: 49.572 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 439917
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

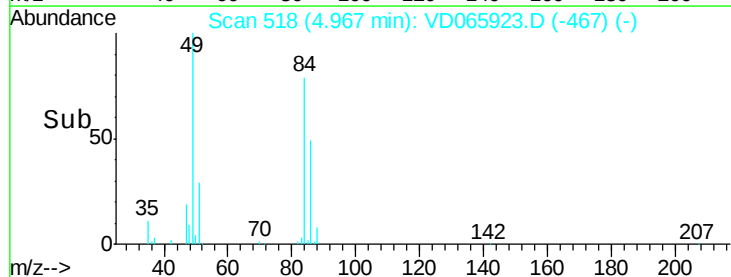
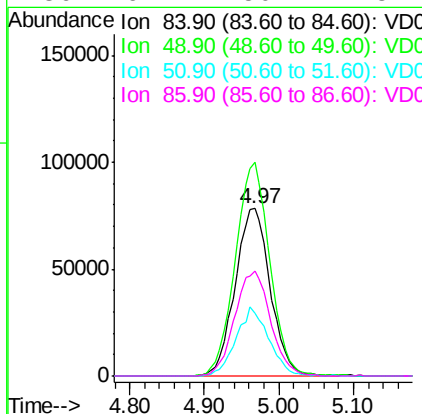
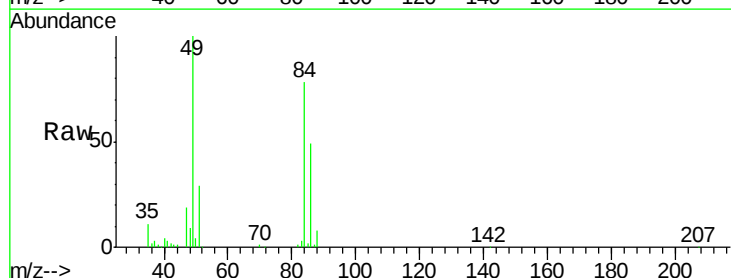
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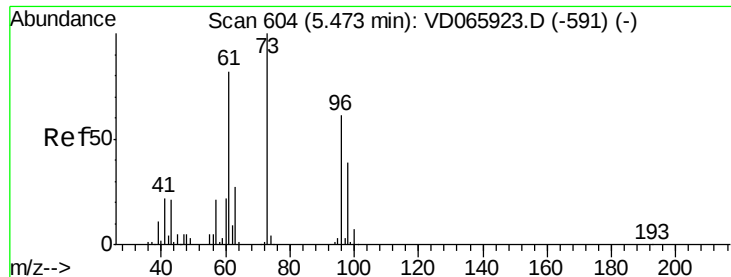
MMDadoda
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#20
Methylene Chloride
Concen: 40.095 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion: 84 Resp: 255860
Ion Ratio Lower Upper
84 100
49 127.7 102.2 153.2
51 37.2 29.8 44.6
86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 49.540 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 233633

Ion Ratio Lower Upper

96 100

61 133.3 106.6 160.0

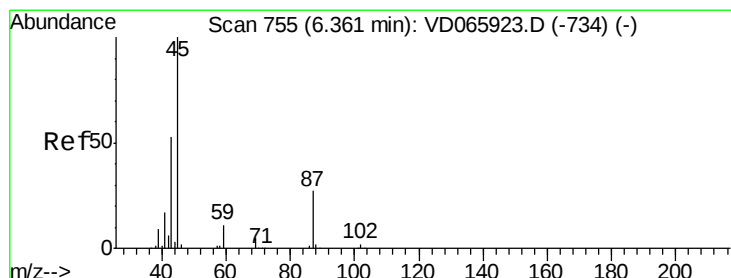
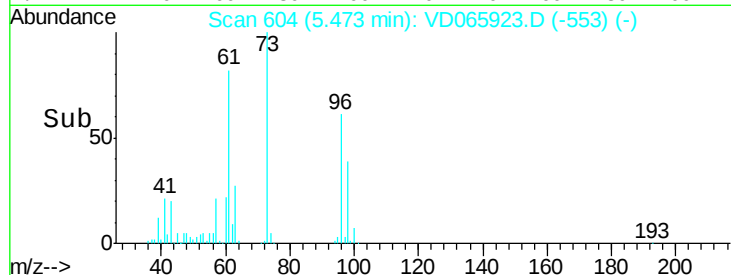
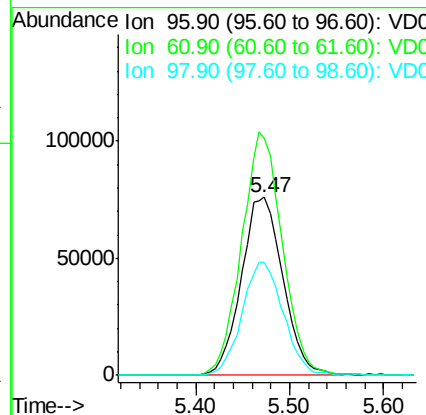
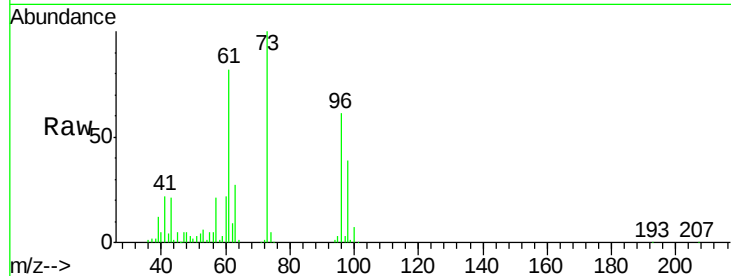
98 63.8 51.0 76.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.673 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Tgt Ion: 45 Resp: 676445

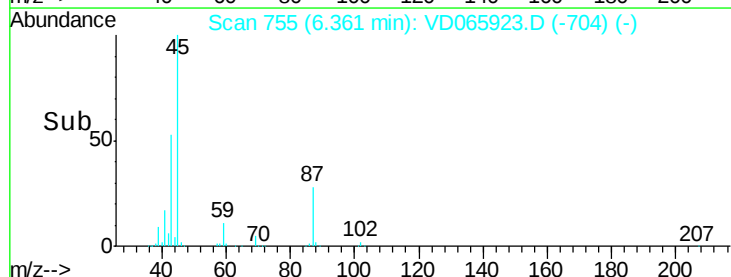
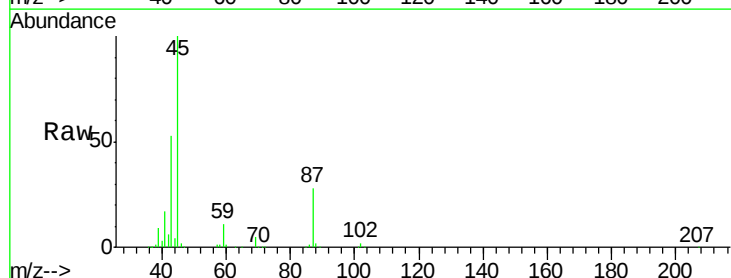
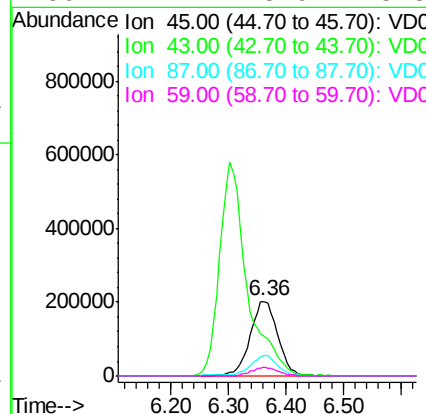
Ion Ratio Lower Upper

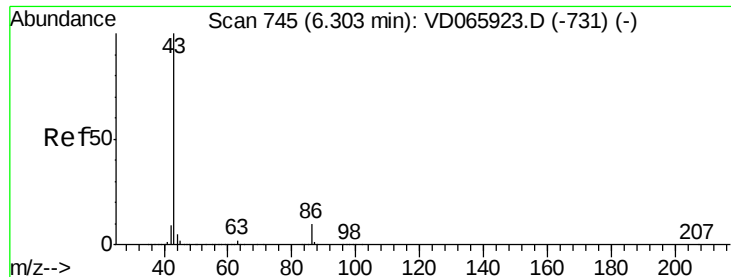
45 100

43 53.1 42.5 63.7

87 27.7 22.2 33.2

59 11.1 8.9 13.3





#23

Vinyl Acetate

Concen: 254.170 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1936696

Ion Ratio Lower Upper

43 100

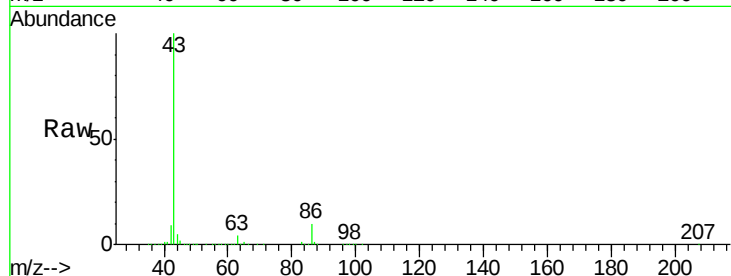
86 10.1 8.1 12.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

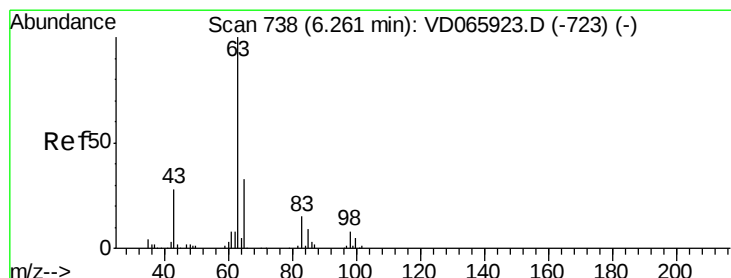
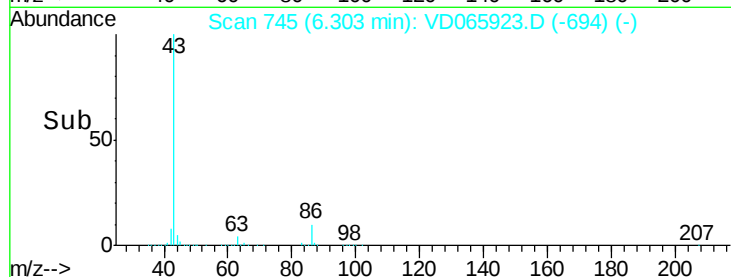
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.245 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

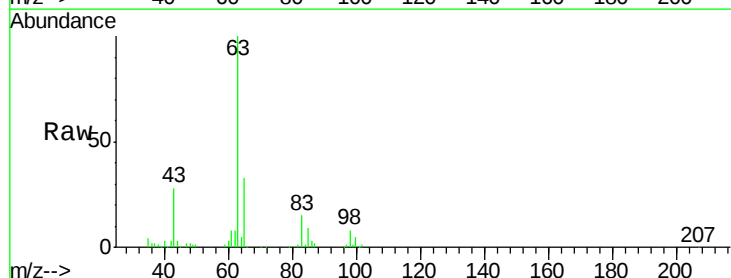
Tgt Ion: 63 Resp: 391989

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 5.0 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

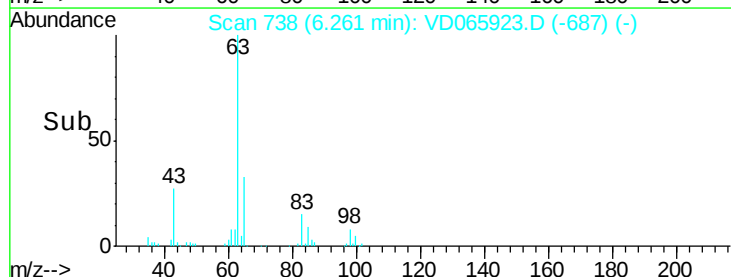
150000

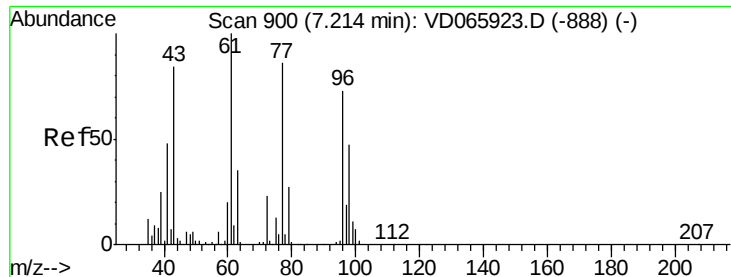
100000

50000

0

Time-->





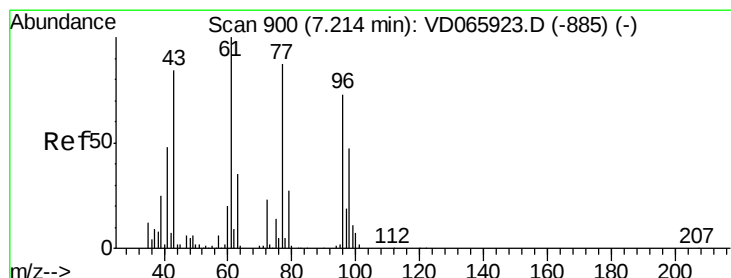
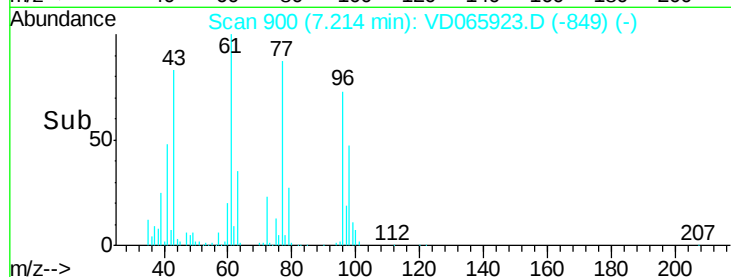
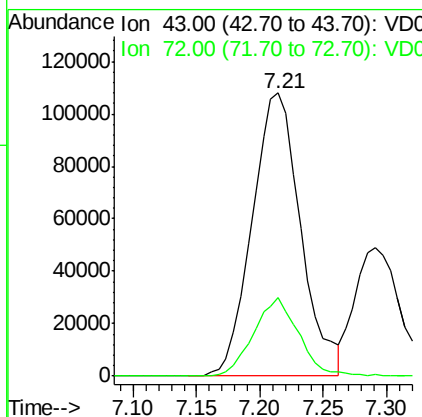
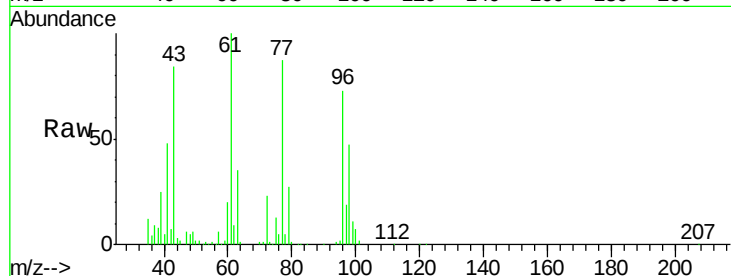
#25
2-Butanone
Concen: 242.993 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 288440
Ion Ratio Lower Upper
43 100
72 27.6 22.1 33.1

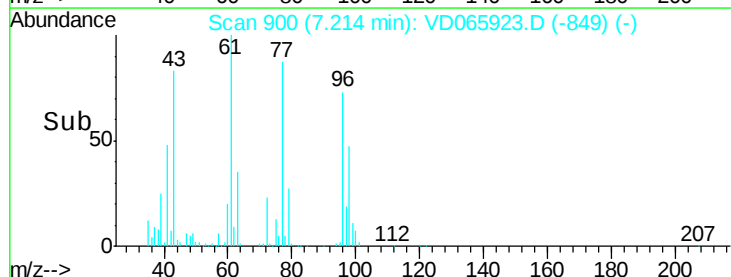
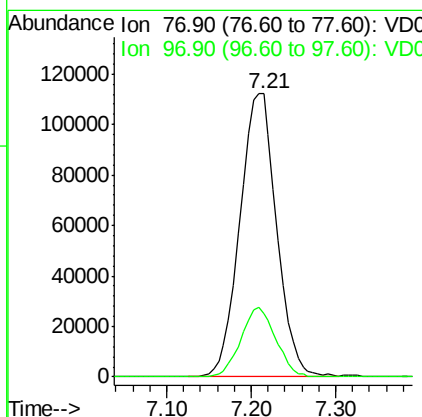
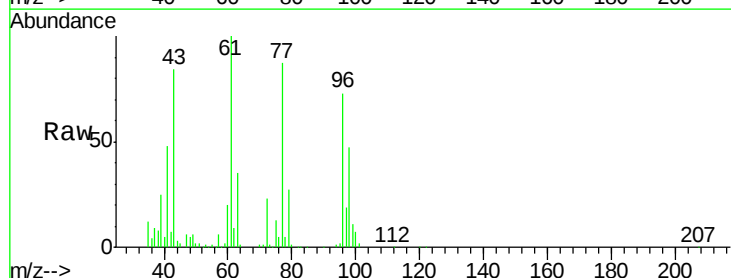
Manual Integrations
APPROVED

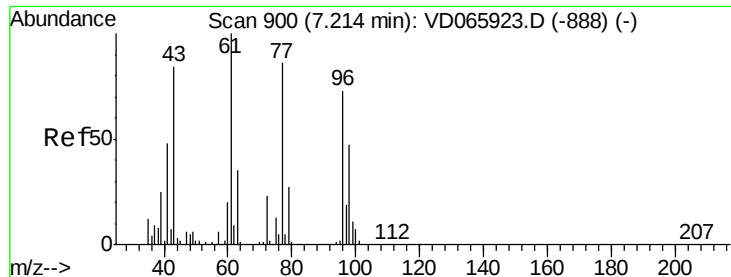
MMDadoda
7/8/2020 12:05:31 PM



#26
2,2-Dichloropropane
Concen: 48.778 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion: 77 Resp: 339668
Ion Ratio Lower Upper
77 100
97 23.2 11.6 34.8





#27

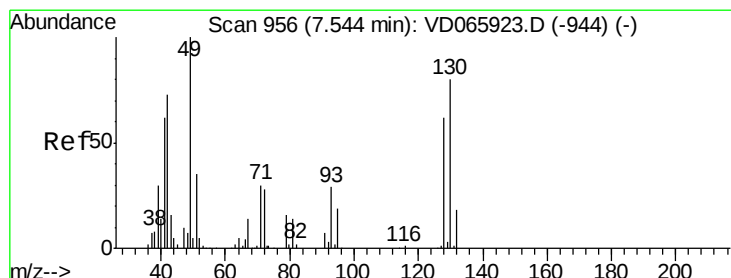
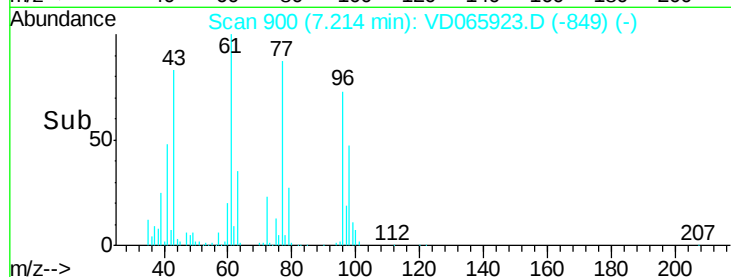
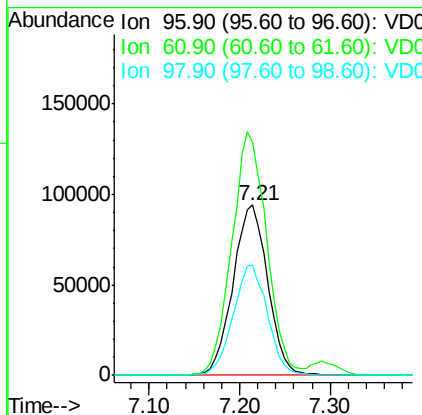
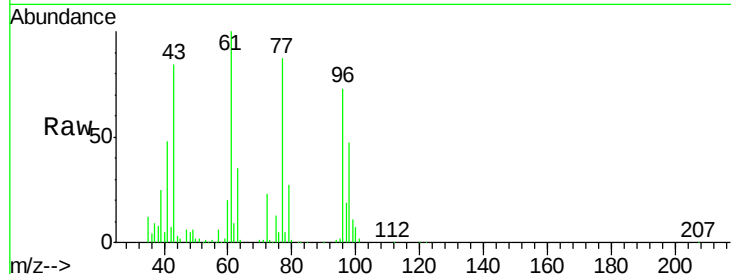
cis-1,2-Dichloroethene
Concen: 49.644 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	251557		
61	143.3	0.0	286.6	
98	64.1	0.0	128.2	

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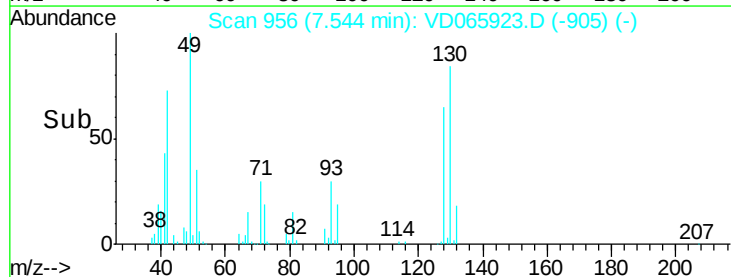
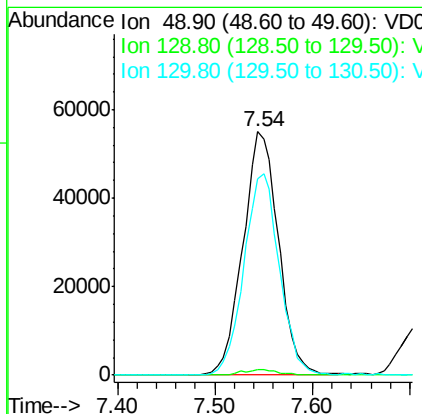
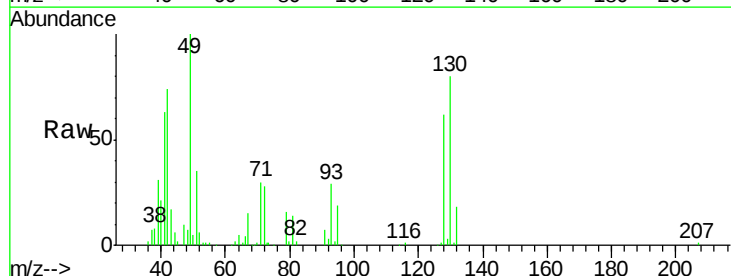
MMDadoda
7/8/2020 12:05:31 PM

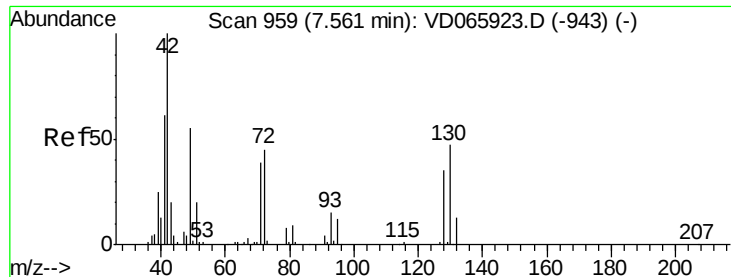


#28

Bromochloromethane
Concen: 46.797 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	140720		
129	2.4	0.0	4.8	
130	82.3	65.8	98.8	





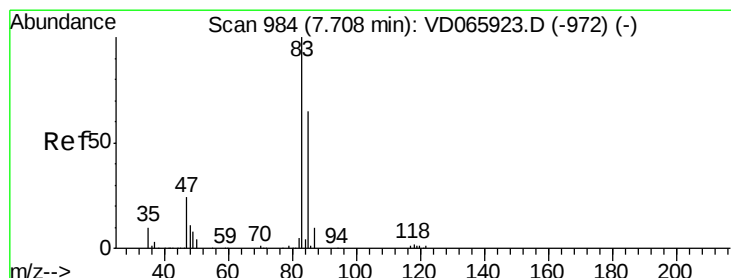
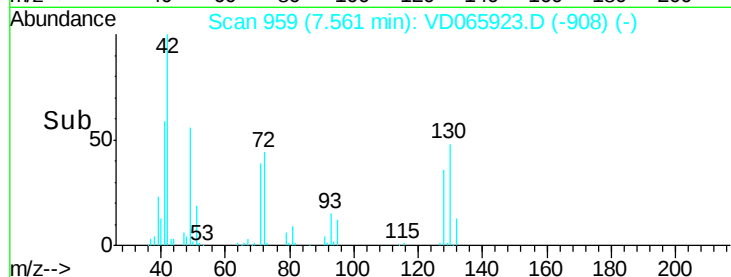
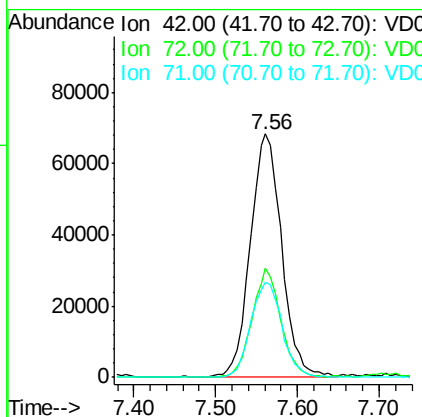
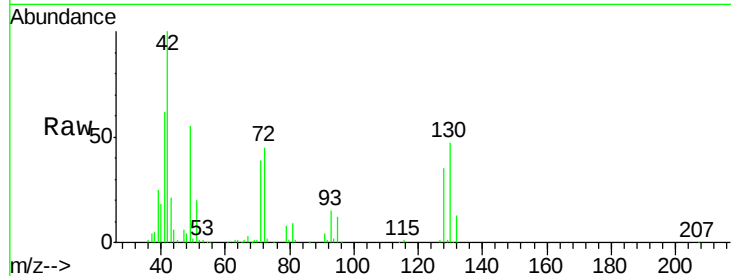
#29
Tetrahydrofuran
Concen: 242.574 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	38.7	31.0	46.4

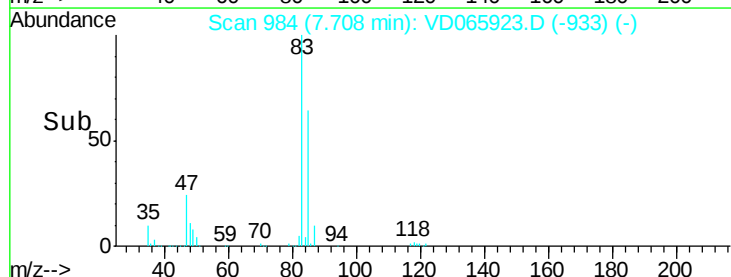
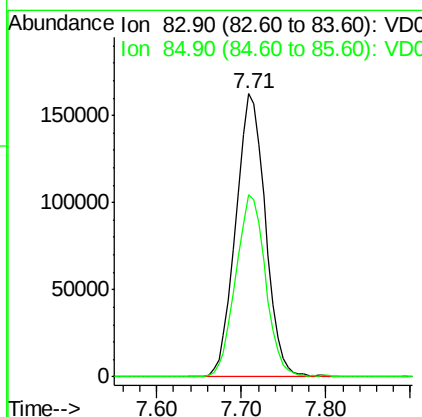
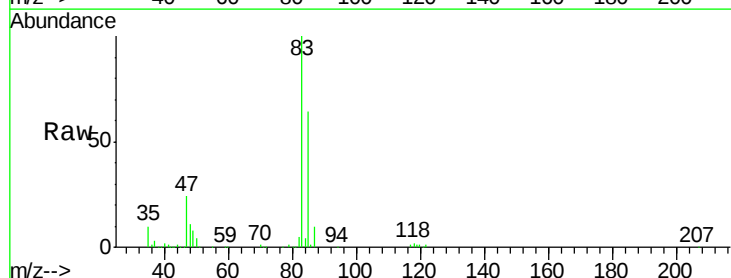
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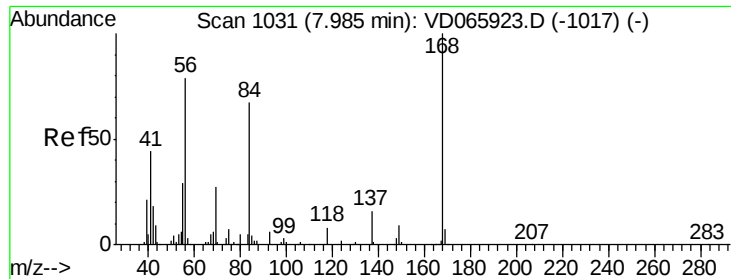
MMDadoda
7/8/2020 12:05:31 PM



#30
Chloroform
Concen: 48.908 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





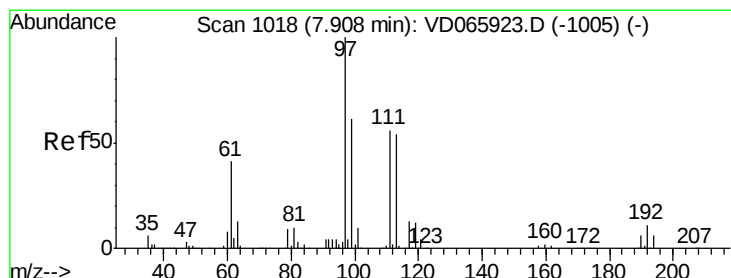
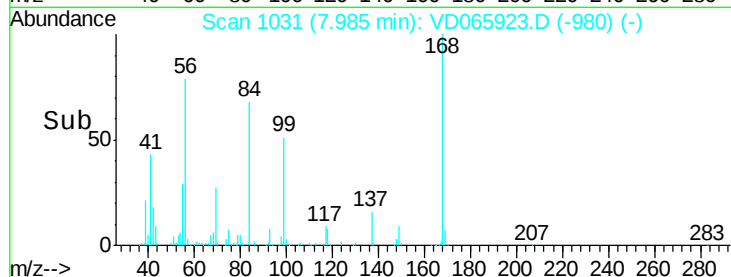
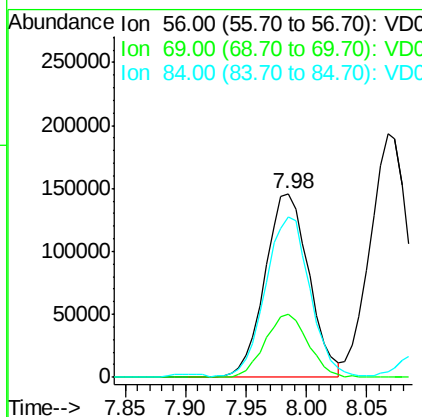
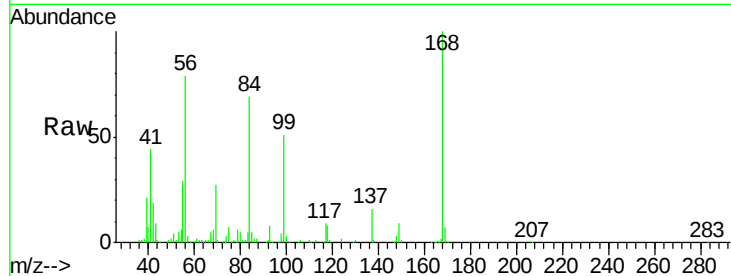
#31
Cyclohexane
Concen: 46.971 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.4	41.0
84	85.7	68.6	102.8

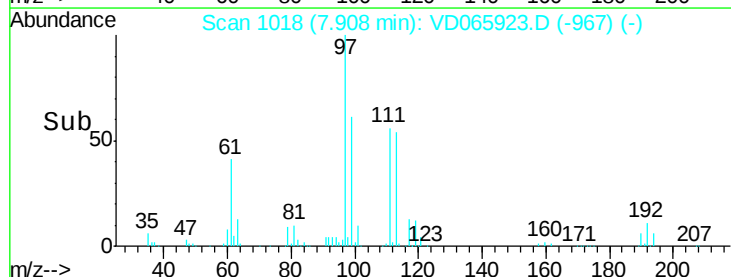
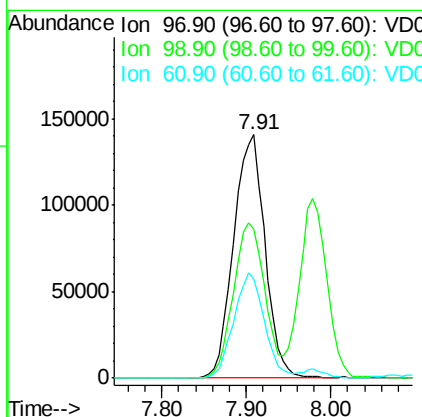
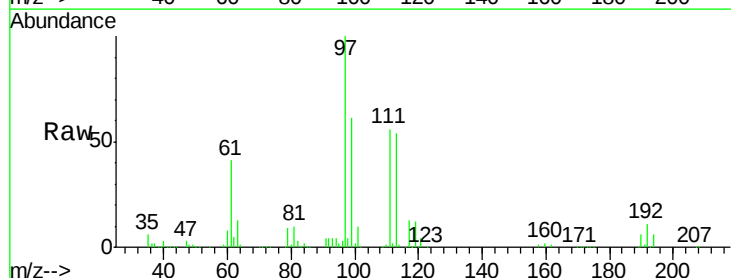
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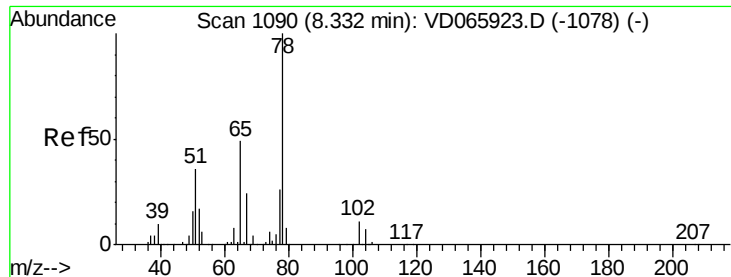
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#32
1,1,1-Trichloroethane
Concen: 49.155 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.0	33.6	50.4





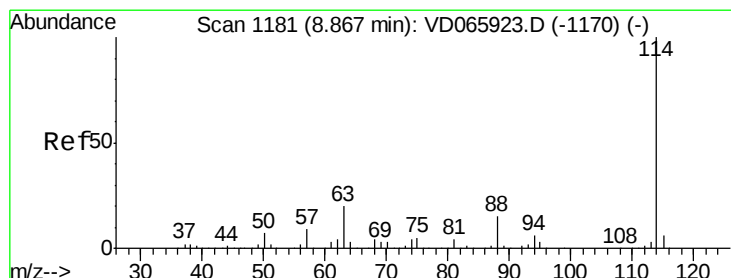
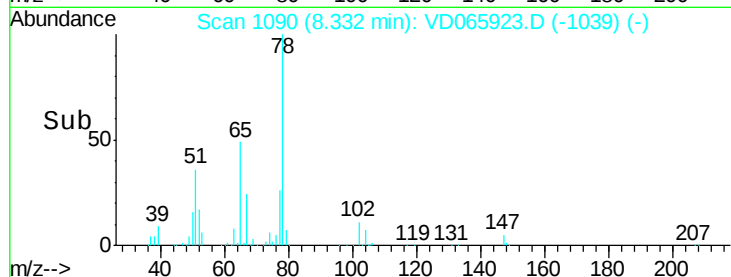
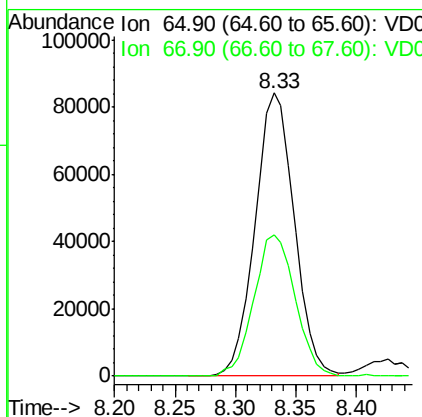
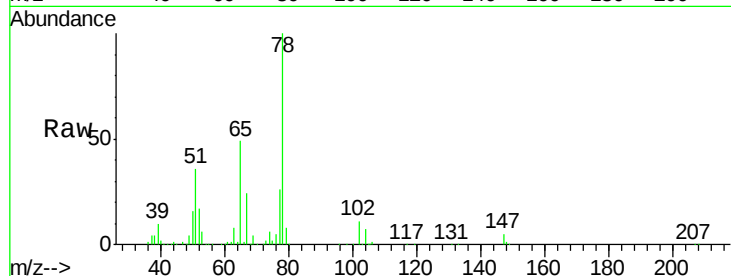
#33
 1,2-Dichloroethane-d4
 Concen: 49.346 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189145		
67	52.8	0.0	105.6	

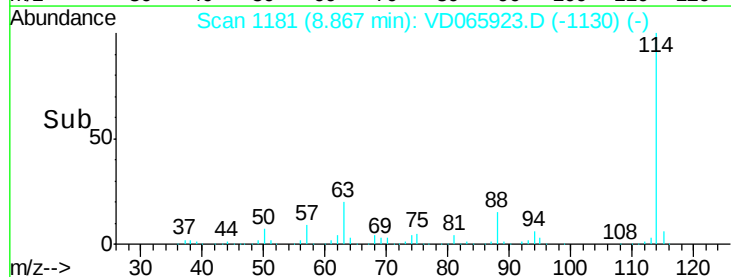
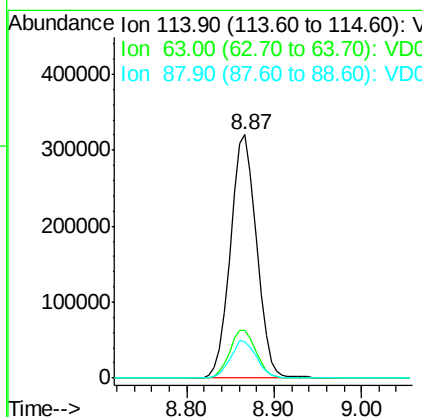
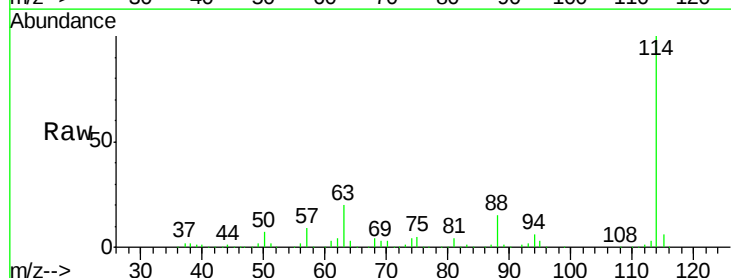
Manual Integrations
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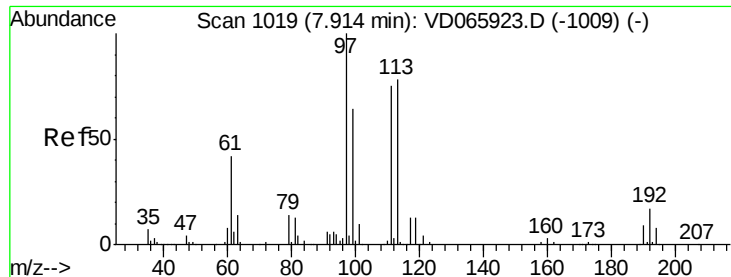
MMDadoda
 7/8/2020 12:05:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	649404		
63	19.6	0.0	39.2	
88	15.0	0.0	30.0	





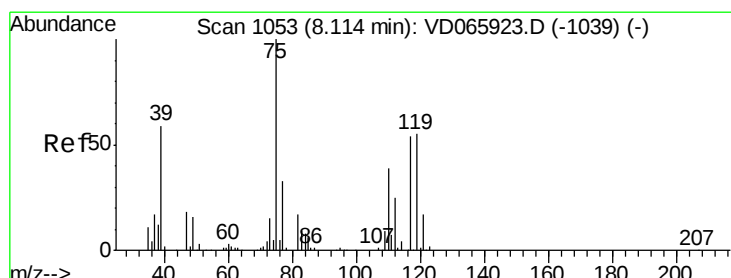
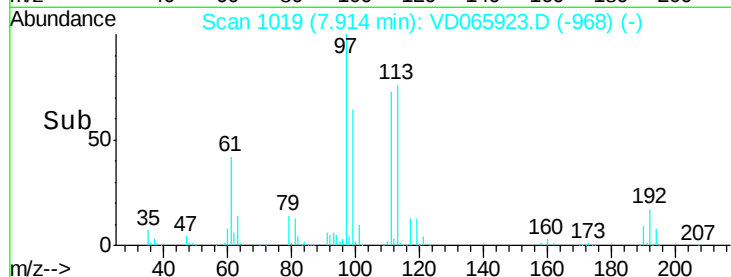
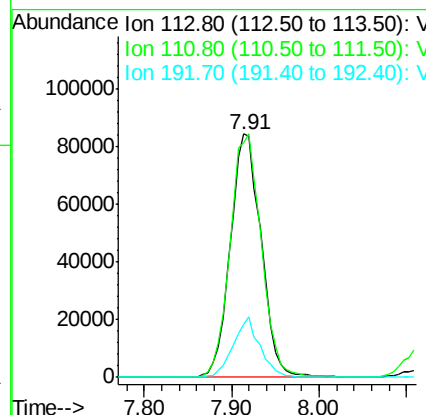
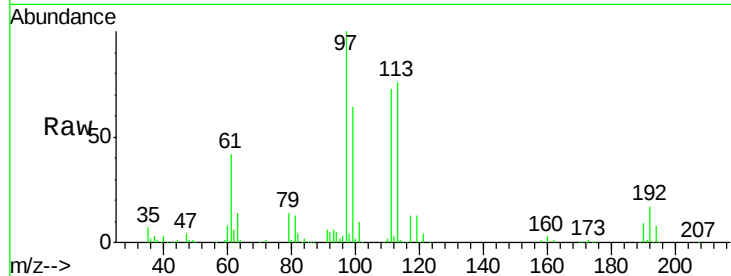
#35
 Dibromofluoromethane
 Concen: 50.485 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202247		
111	101.1	80.9	121.3	
192	21.4	17.1	25.7	

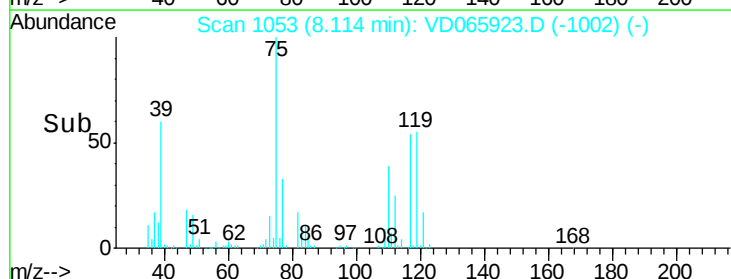
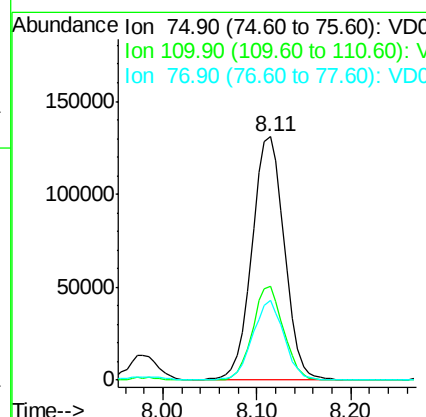
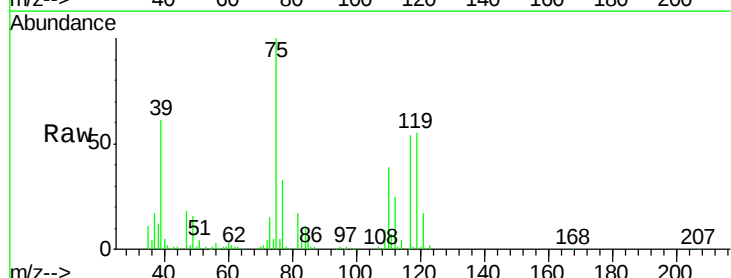
Manual Integrations
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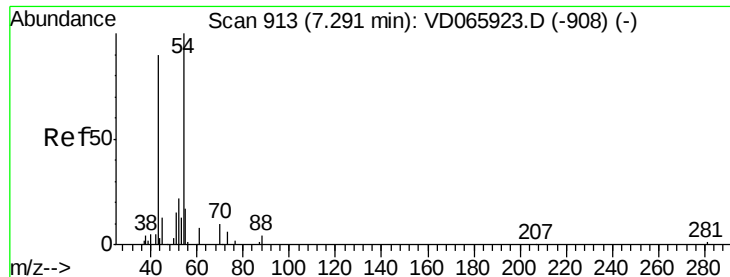
MMDadoda
 7/8/2020 12:05:31 PM



#36
 1,1-Dichloropropene
 Concen: 48.509 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	311127		
110	37.0	18.5	55.5	
77	32.0	25.6	38.4	





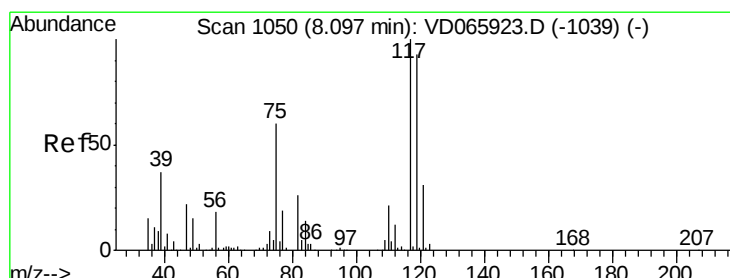
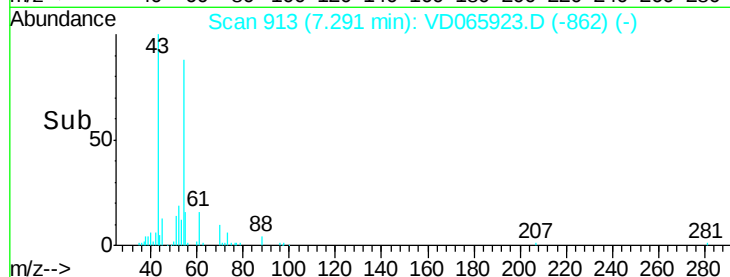
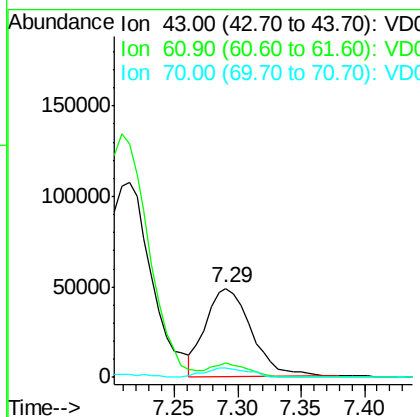
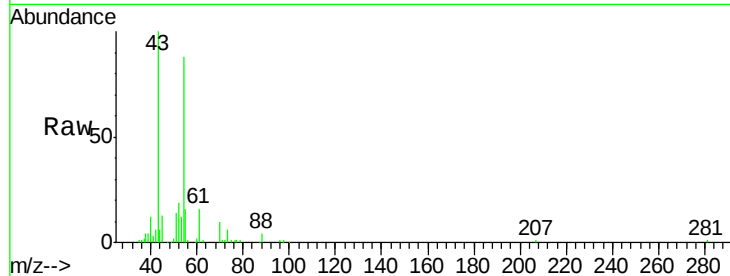
#37
Ethyl Acetate
Concen: 45.411 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.4	14.0
70	10.4	8.3	12.5

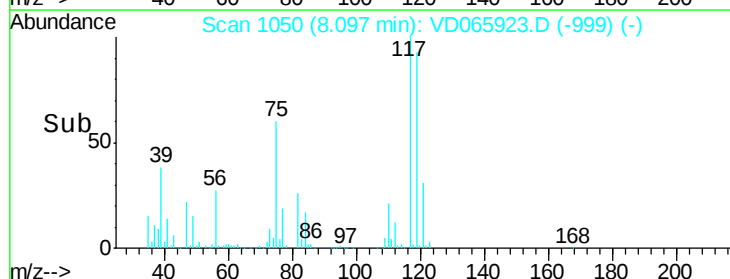
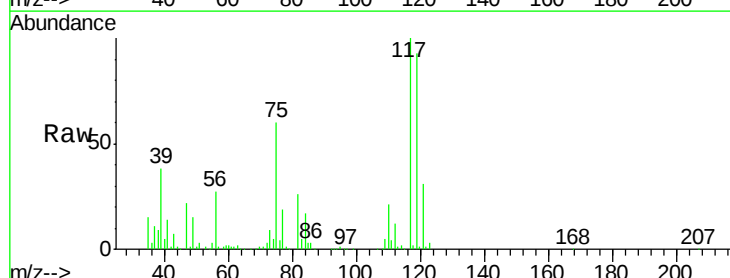
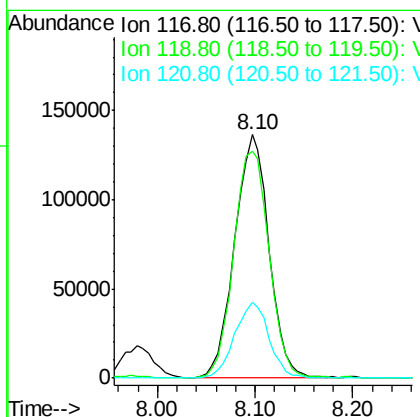
Manual Integrations
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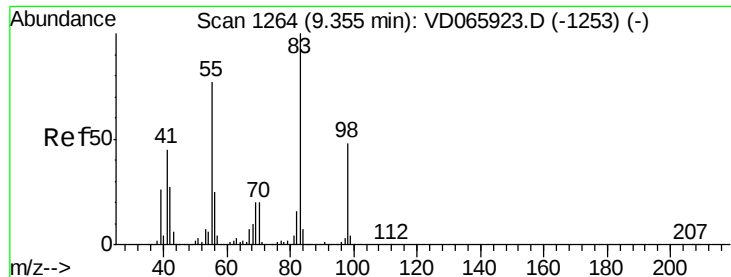
MMDadoda
7/8/2020 12:05:31 PM



#38
Carbon Tetrachloride
Concen: 48.421 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.7	112.1
121	31.1	24.9	37.3





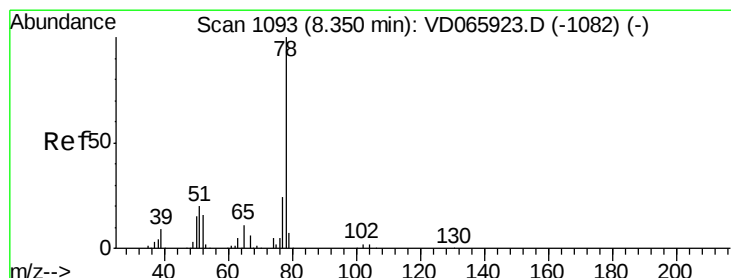
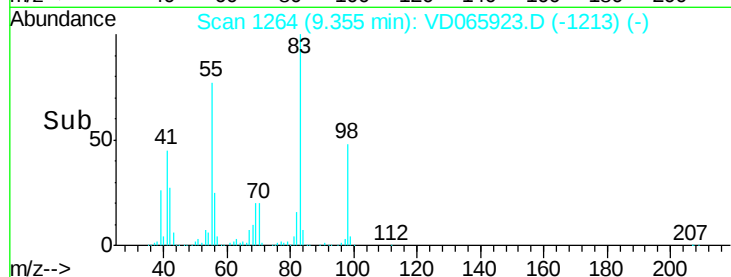
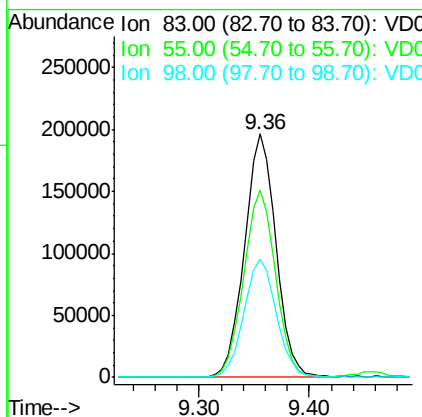
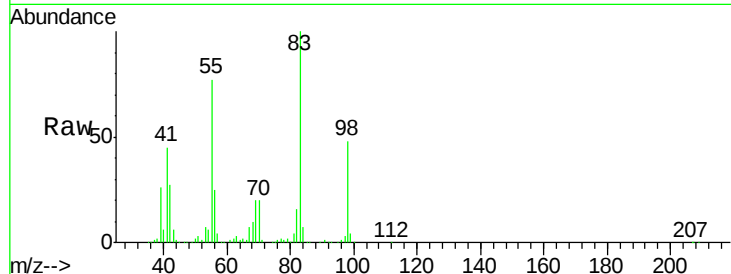
#39
Methvlcvclohexane
Concen: 49.989 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	393630
Ion Ratio	Lower	Upper	
83	100		
55	77.1	61.7	92.5
98	48.3	38.6	58.0

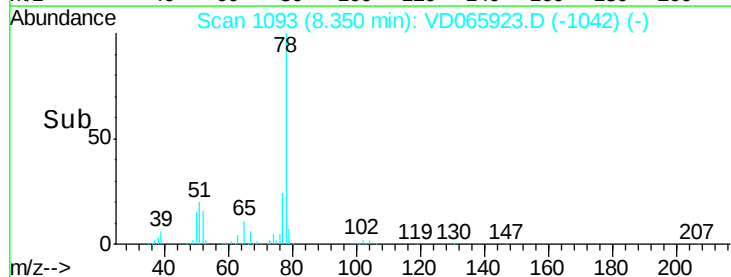
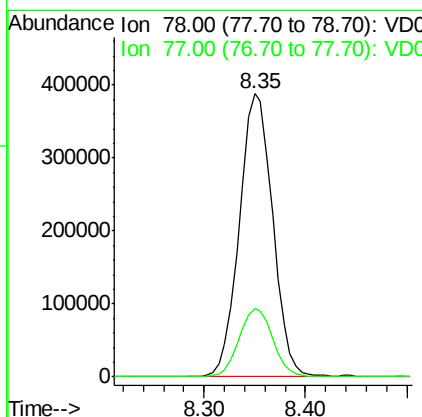
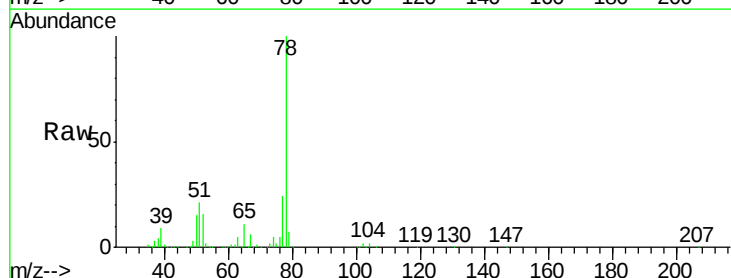
Manual Integrations
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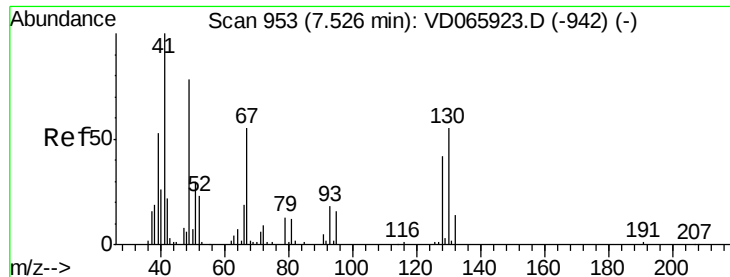
MMDadoda
7/8/2020 12:05:31 PM



#40
Benzene
Concen: 50.151 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	78	Resp	888618
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.4	29.0





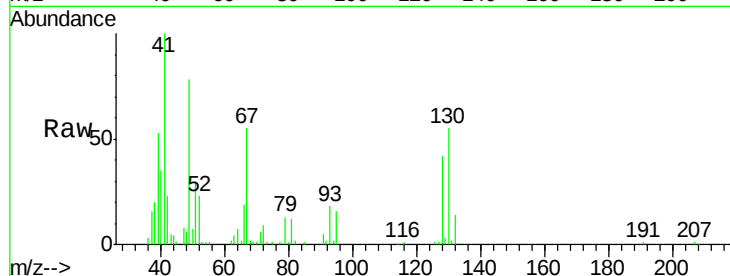
#41
Methacrylonitrile
Concen: 49.159 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

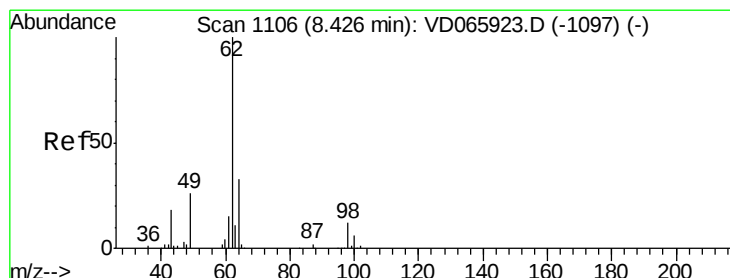
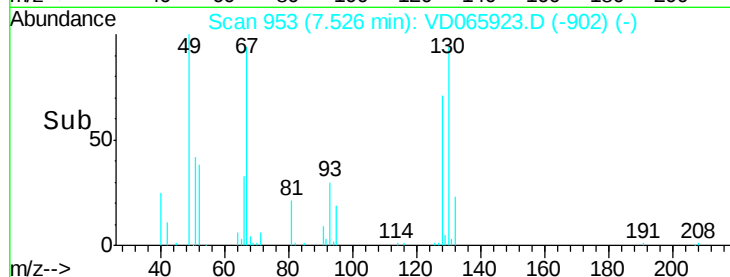
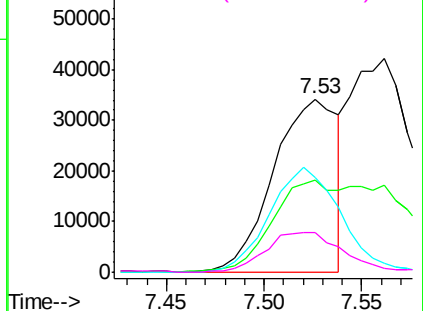
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.4	63.6	
67	67.0	53.6	80.4	
52	27.7	22.2	33.2	

Manual Integrations
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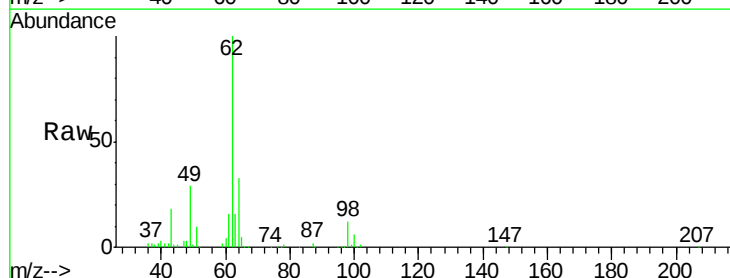


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

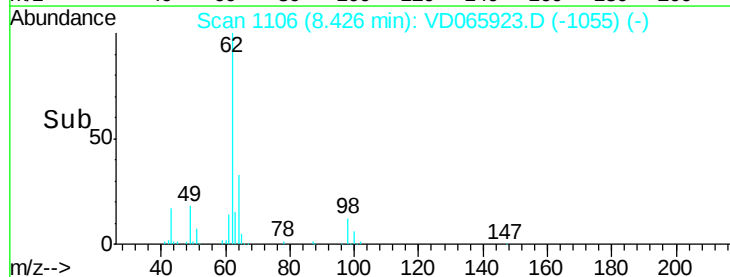
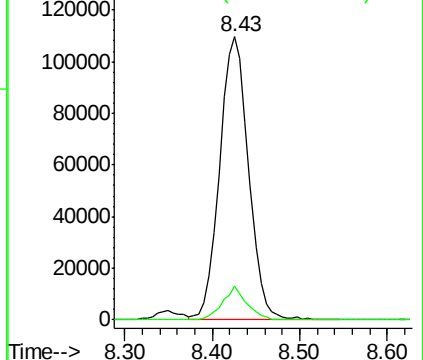


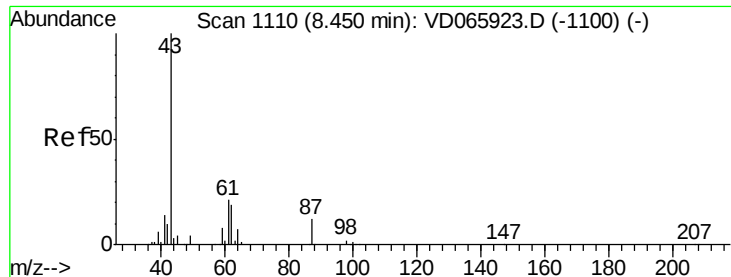
#42
1,2-Dichloroethane
Concen: 49.688 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.0	



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.851 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

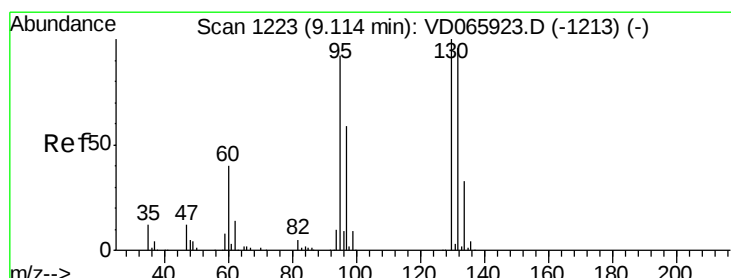
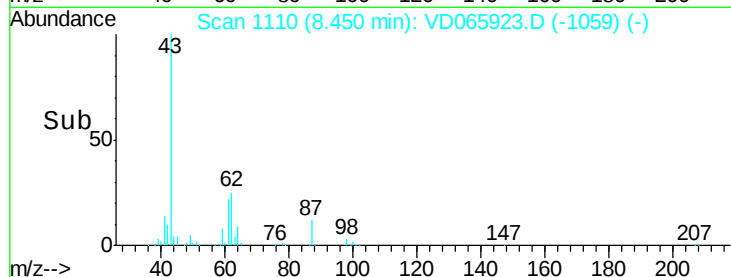
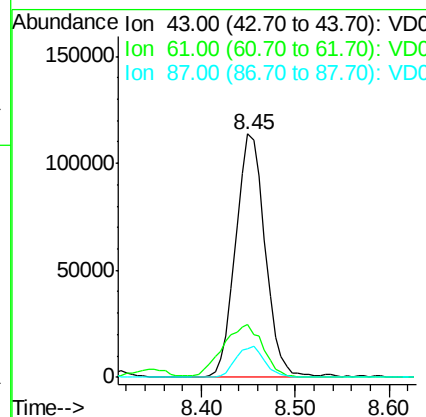
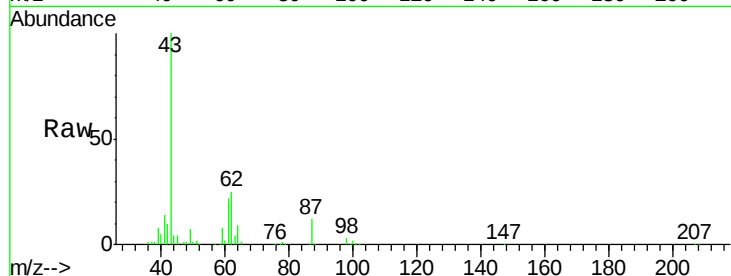
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	249363
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.2	34.8
87	12.5	10.0	15.0

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#44

Trichloroethene

Concen: 49.023 ug/l

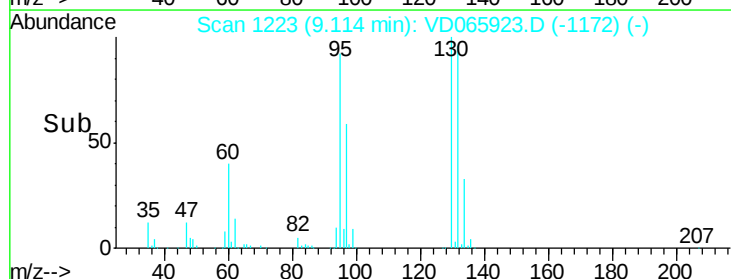
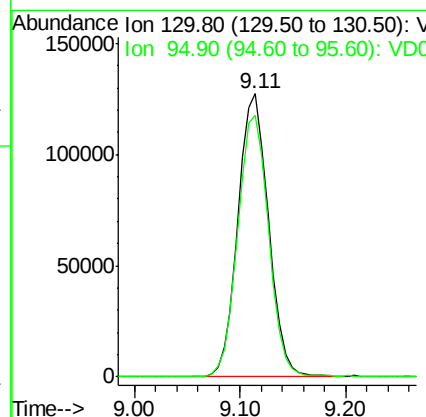
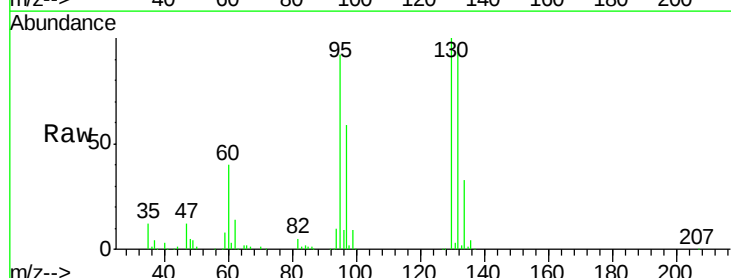
RT: 9.11 min Scan# 1223

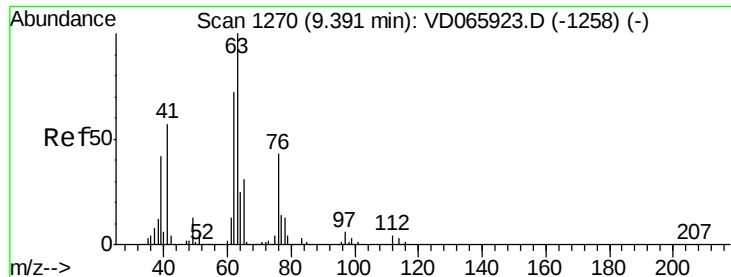
Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Tgt Ion:	130	Resp:	255220
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	184.6





#45

1,2-Dichloropropane

Concen: 49.983 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 219816

Ion Ratio Lower Upper

63 100

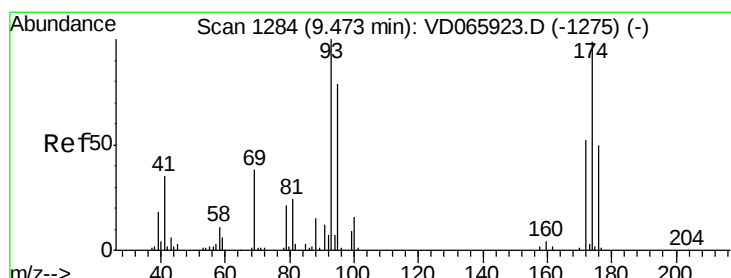
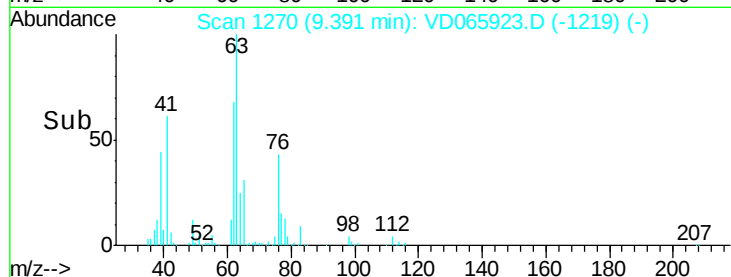
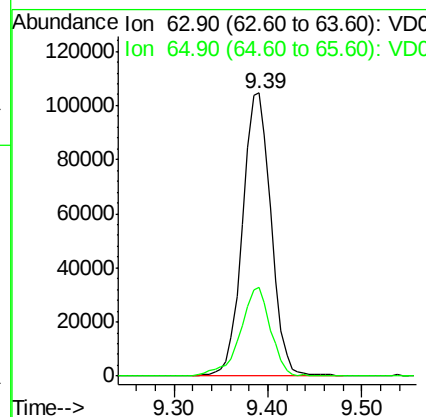
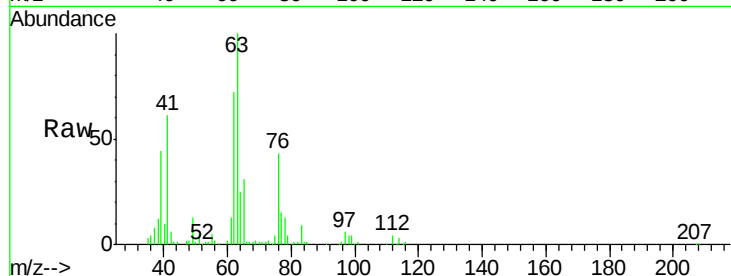
65 31.3 25.0 37.6

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#46

Dibromomethane

Concen: 49.364 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

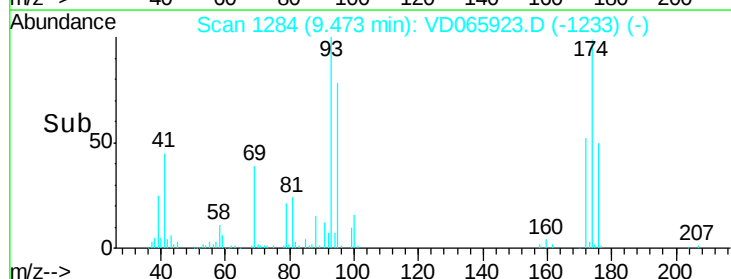
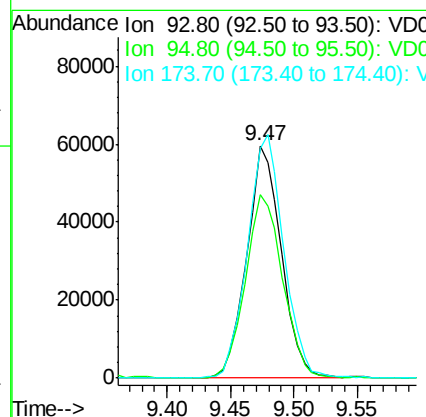
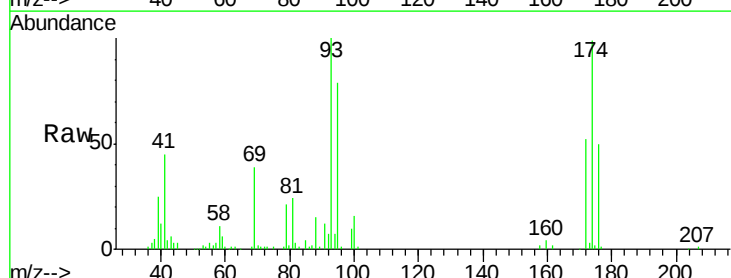
Tgt Ion: 93 Resp: 113024

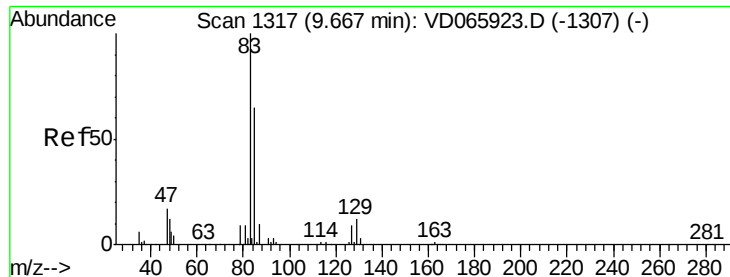
Ion Ratio Lower Upper

93 100

95 85.2 68.2 102.2

174 110.0 88.0 132.0





#47

Bromodichloromethane

Concen: 49.816 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

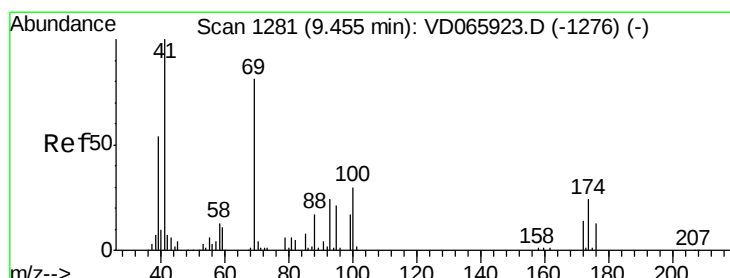
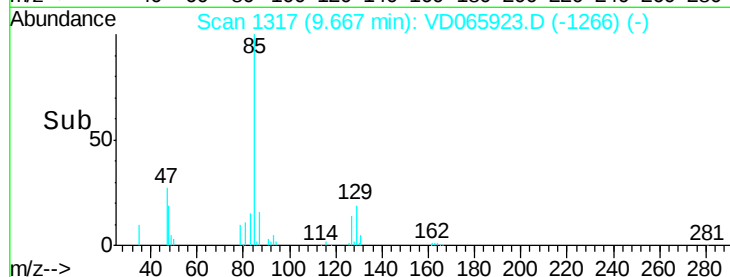
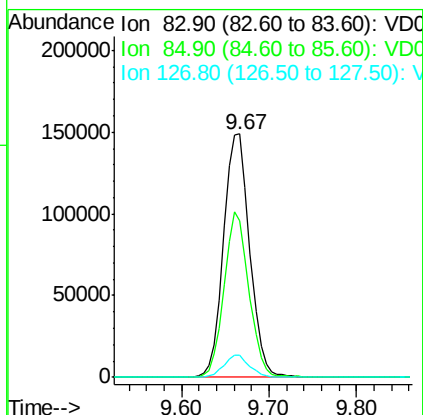
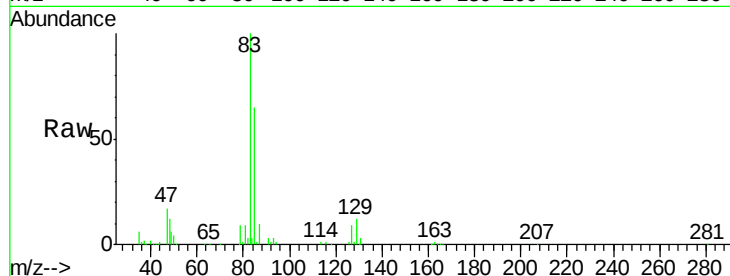
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	305954
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	9.0	7.2	10.8

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#48

Methyl methacrylate

Concen: 50.806 ug/l

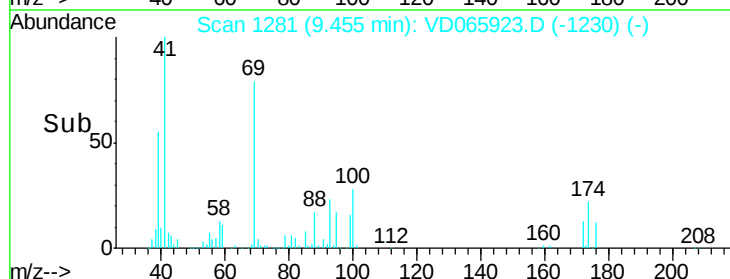
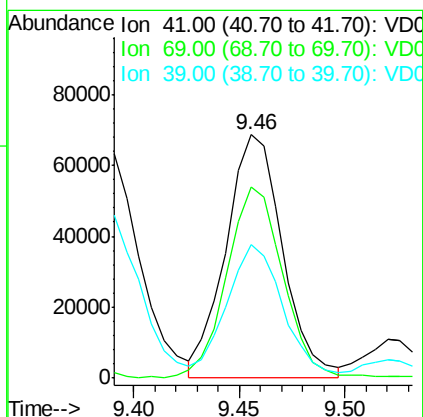
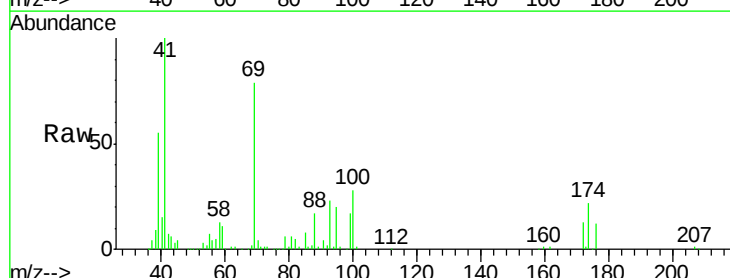
RT: 9.46 min Scan# 1281

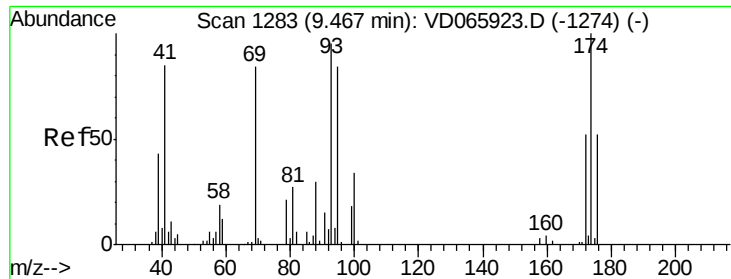
Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Tgt Ion:	41	Resp:	127941
Ion	Ratio	Lower	Upper
41	100		
69	77.8	62.2	93.4
39	49.9	39.9	59.9





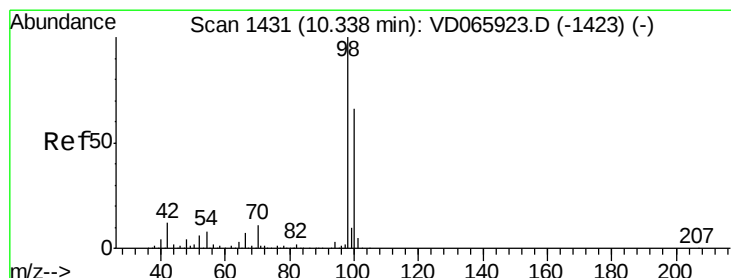
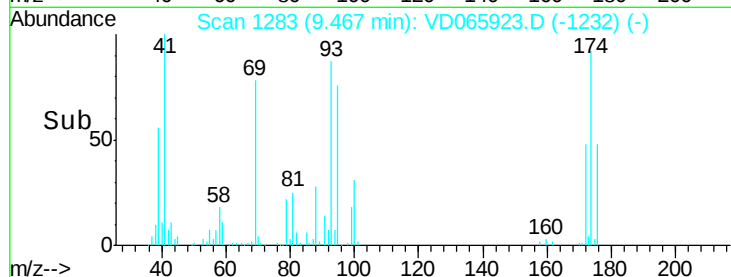
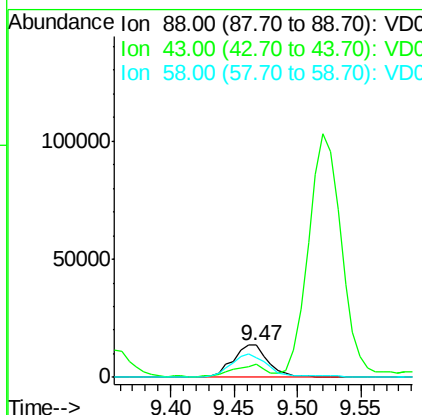
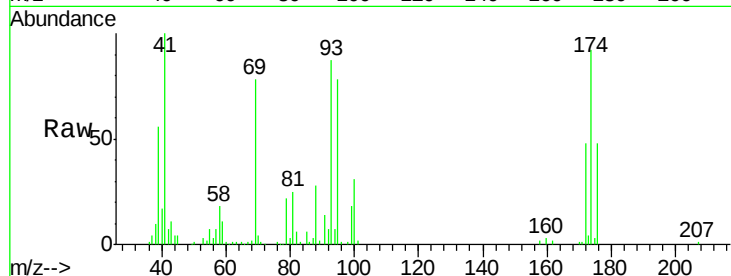
#49
1,4-Dioxane
Concen: 983.460 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	28.2	42.4
58	73.2	58.6	87.8

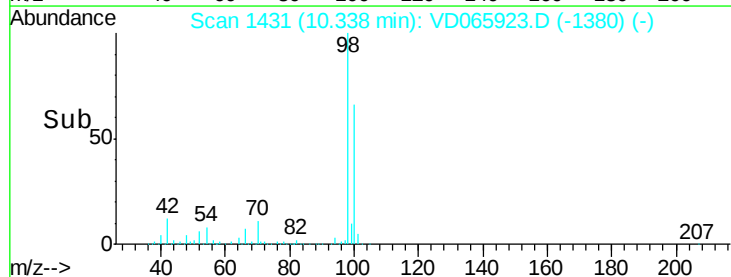
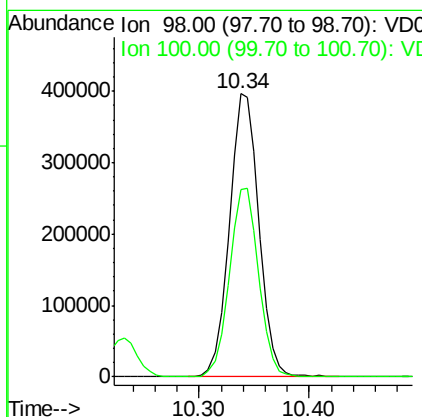
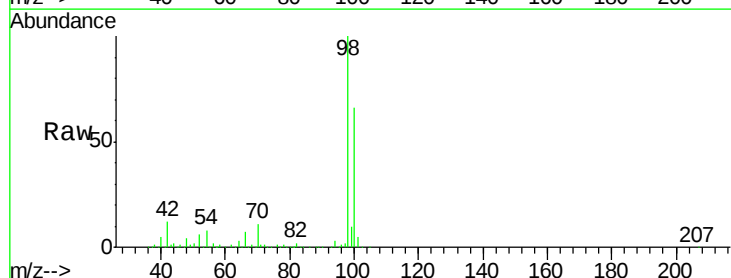
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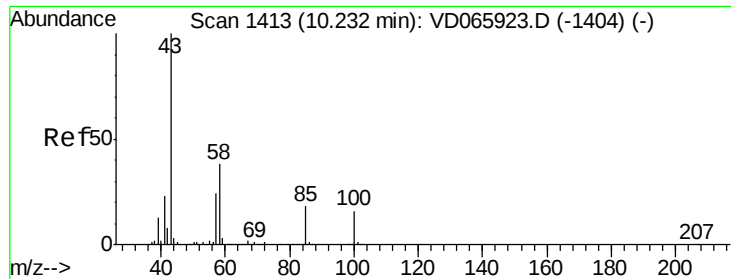
MMDadoda
7/8/2020 12:05:31 PM



#50
Toluene-d8
Concen: 50.834 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7





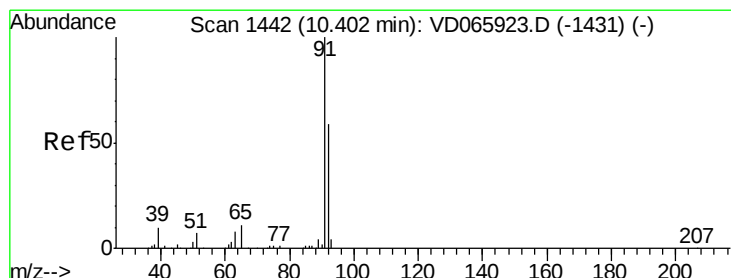
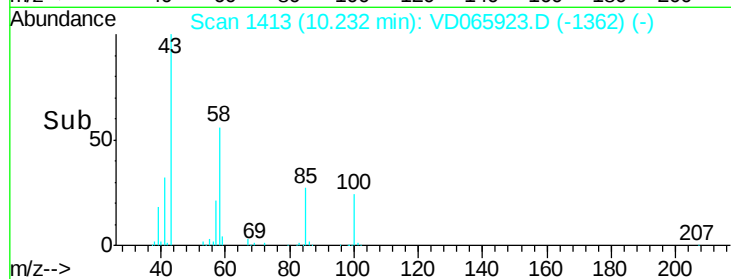
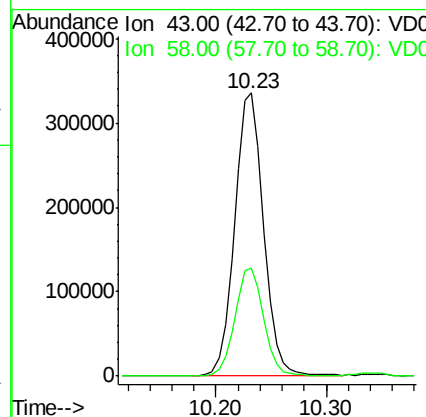
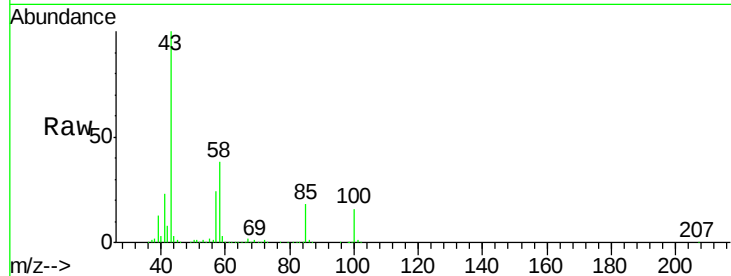
#51
 4-Methyl-2-Pentanone
 Concen: 243.839 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 616656
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.5 45.7

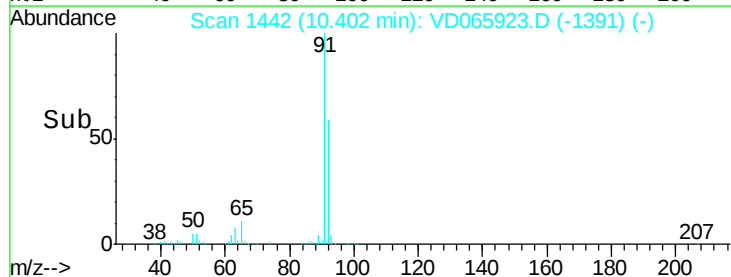
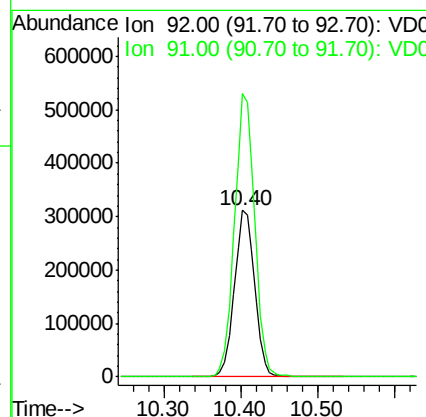
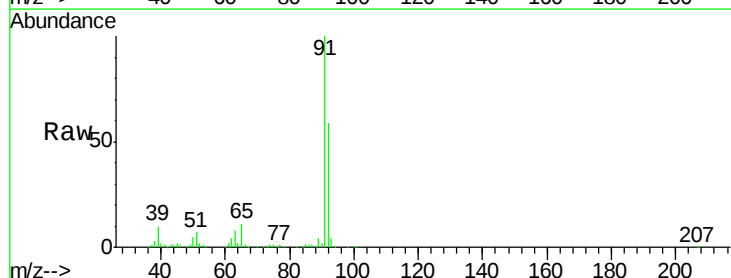
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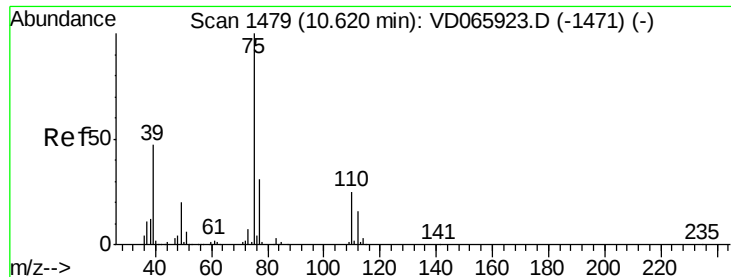
MMDadoda
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#52
 Toluene
 Concen: 50.950 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion: 92 Resp: 574344
 Ion Ratio Lower Upper
 92 100
 91 170.0 136.0 204.0





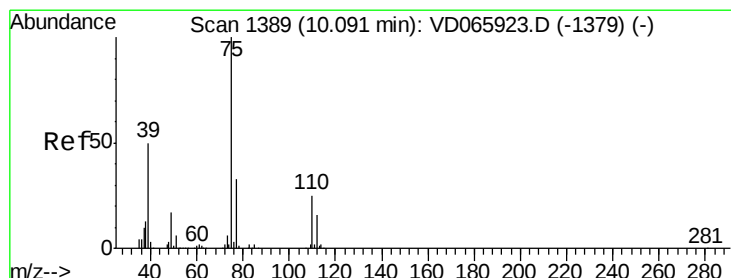
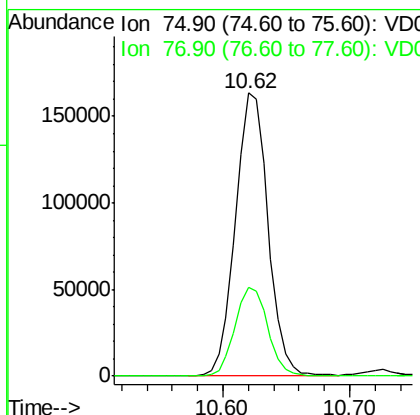
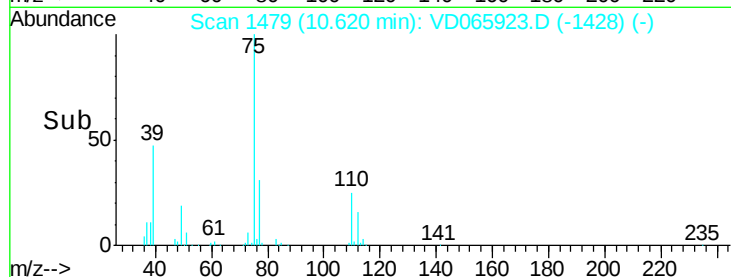
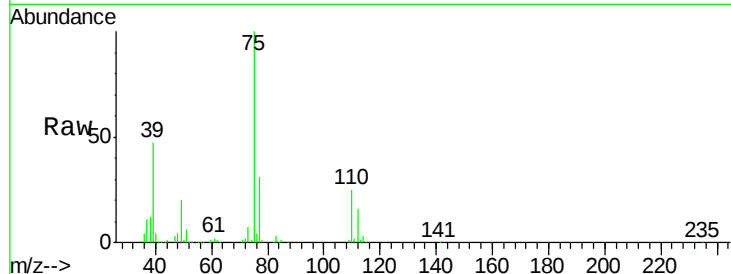
#53
t-1,3-Dichloropropene
Concen: 50.539 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 291857
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

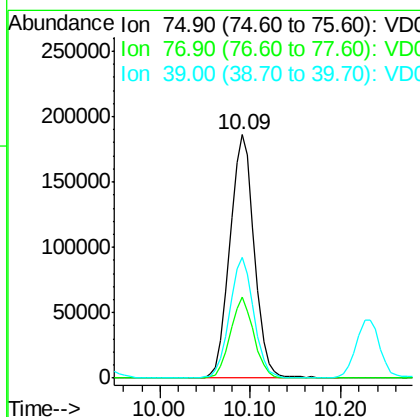
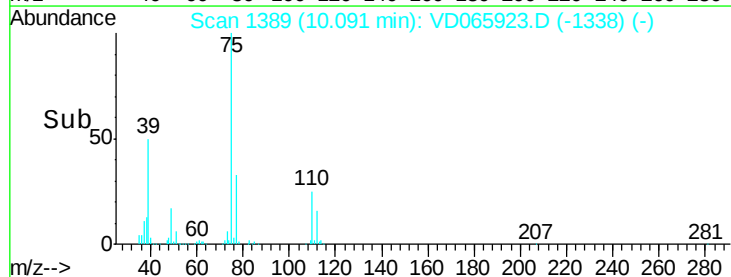
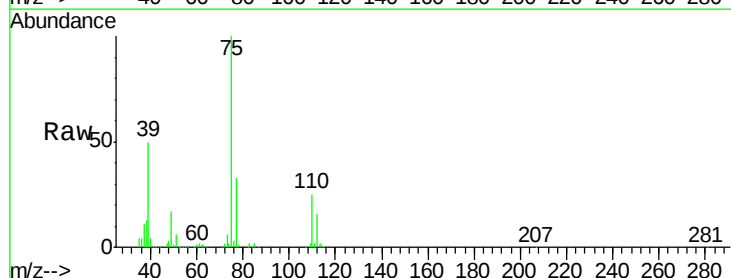
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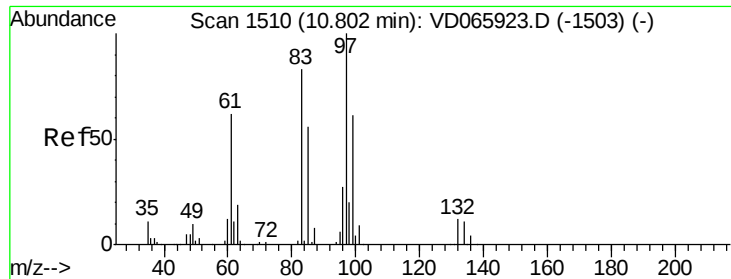
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#54
cis-1,3-Dichloropropene
Concen: 49.994 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion: 75 Resp: 348859
Ion Ratio Lower Upper
75 100
77 33.2 26.6 39.8
39 49.5 39.6 59.4





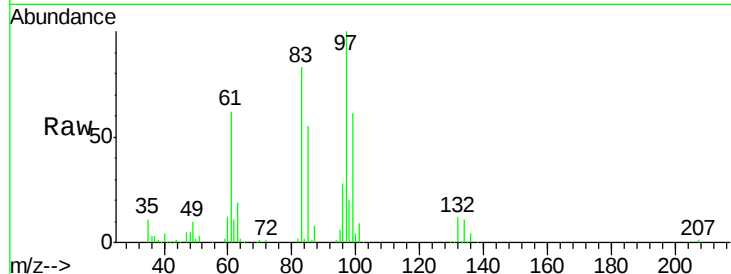
#55
 1,1,2-Trichloroethane
 Concen: 49.163 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

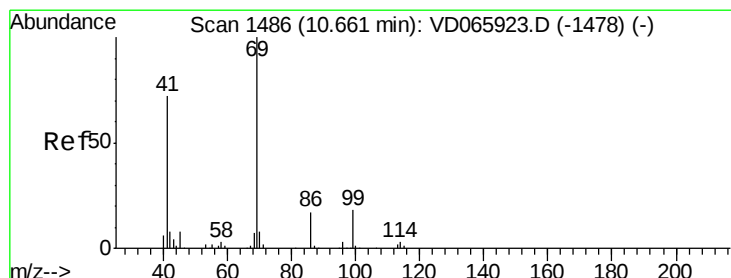
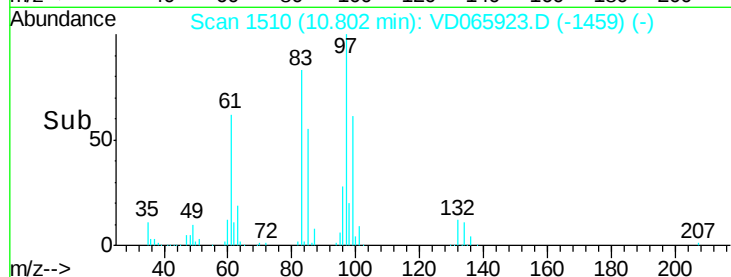
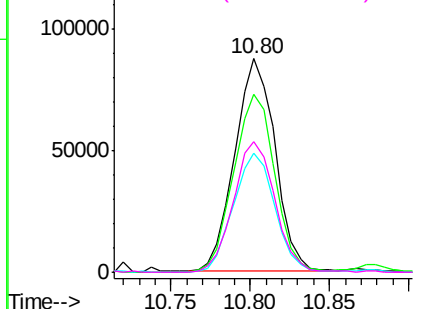
Tot Ion:	97	Resp:	155091
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.9	100.3
85	55.6	44.5	66.7
99	61.5	49.2	73.8

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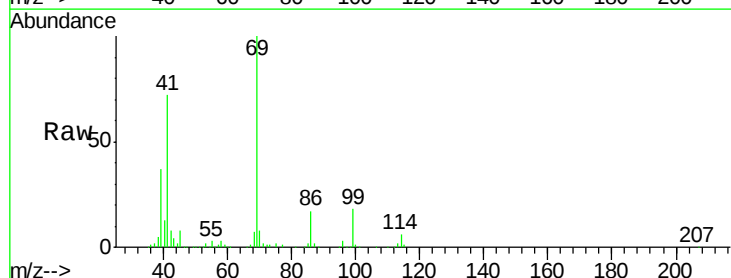


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

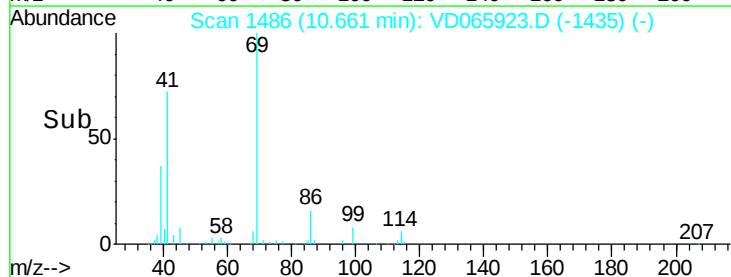
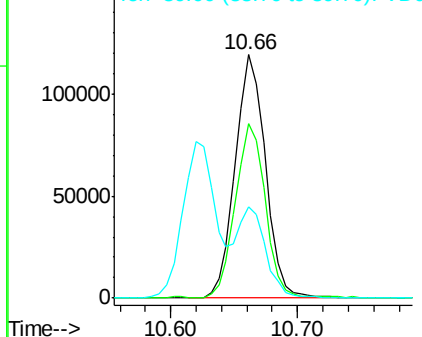


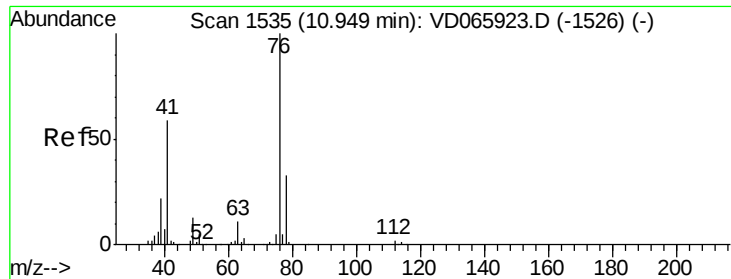
#56
 Ethyl methacrylate
 Concen: 51.295 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion:	69	Resp:	197639
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.5	84.7
39	36.5	29.2	43.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





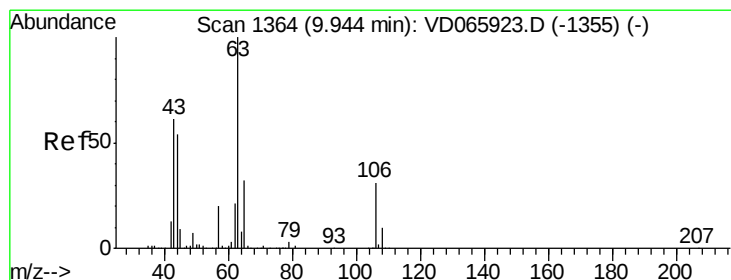
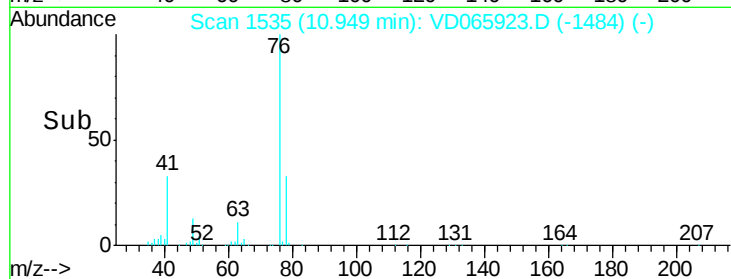
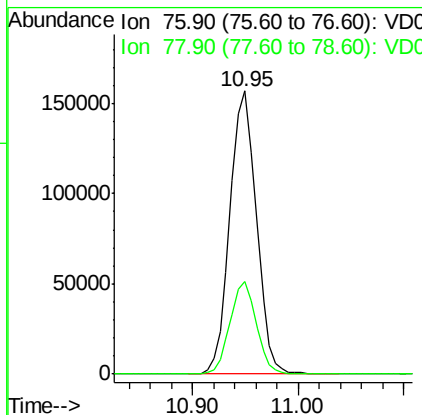
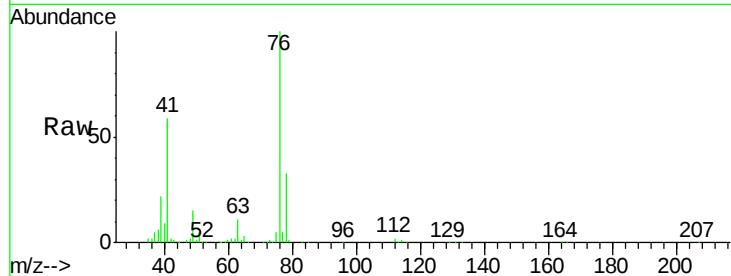
#57
 1,3-Dichloropropane
 Concen: 49.458 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

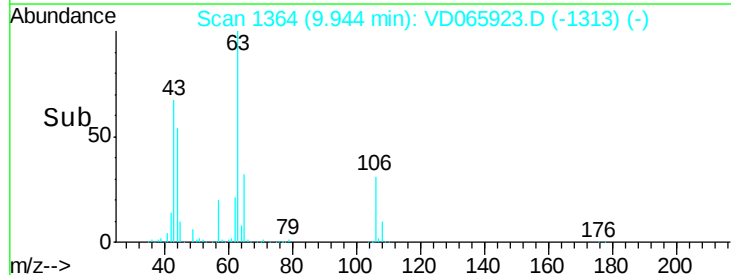
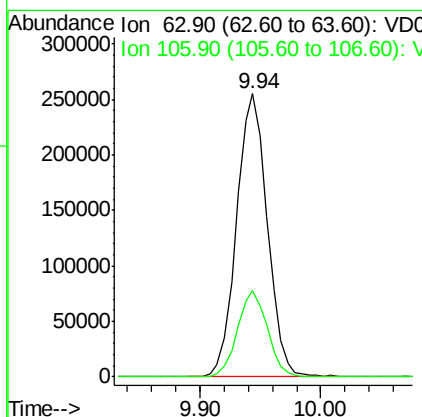
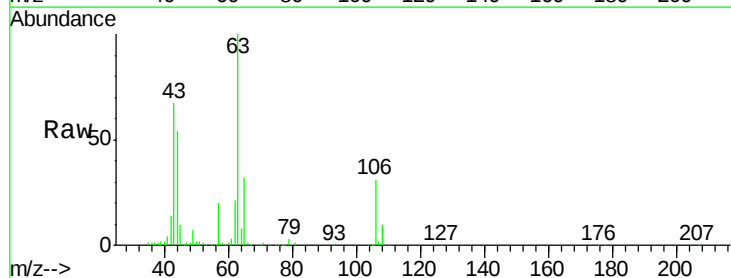
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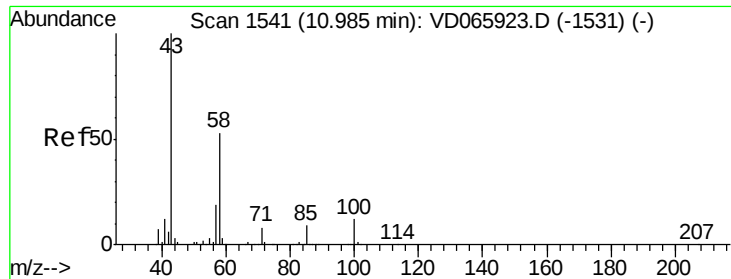
MMDadoda
 7/8/2020 12:05:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.986 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.8	35.6





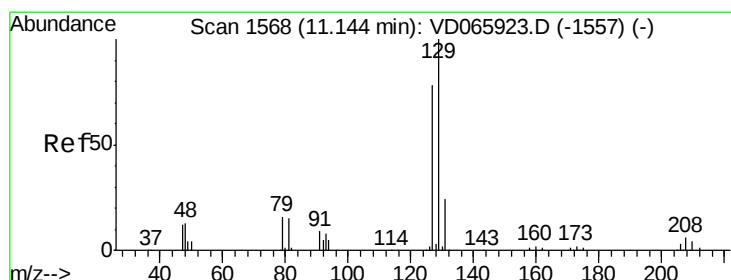
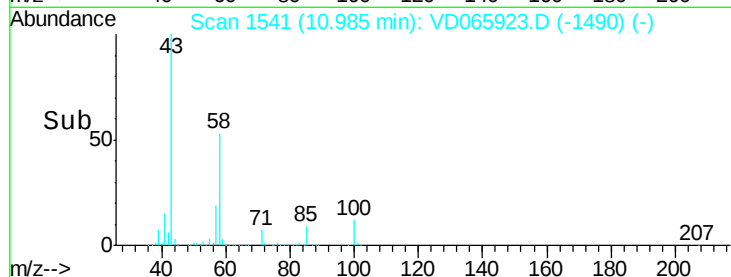
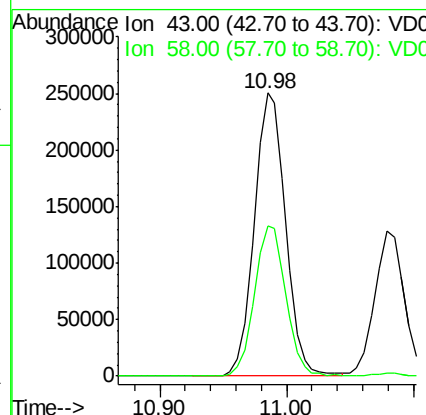
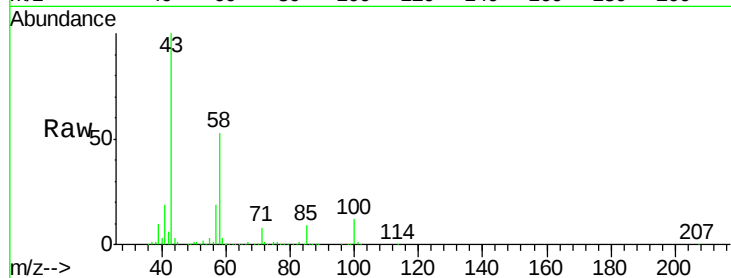
#59
2-Hexanone
Concen: 247.377 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	430251
Ion Ratio	100	Lower	Upper
58	53.2	26.6	79.8

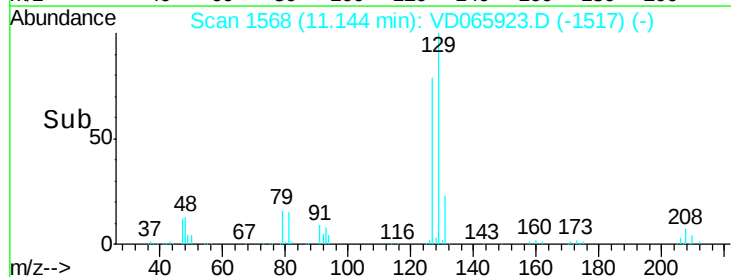
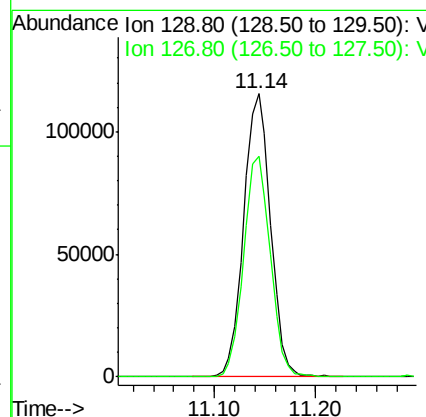
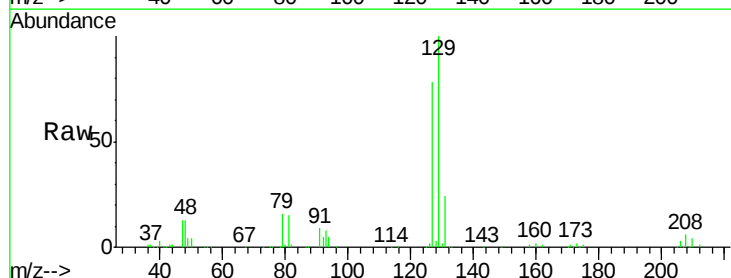
Manual Integrations
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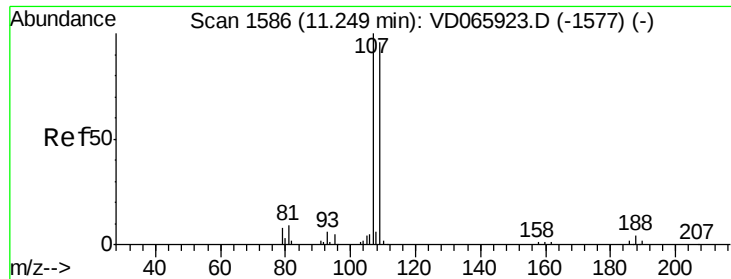
MMDadoda
7/8/2020 12:05:31 PM



#60
Dibromochloromethane
Concen: 49.224 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	129	Resp	212156	
Ion Ratio	129	100	Lower	Upper
127	77.6	38.8	116.4	





#61

1,2-Dibromoethane

Concen: 48.889 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 153767

Ion Ratio Lower Upper

107 100

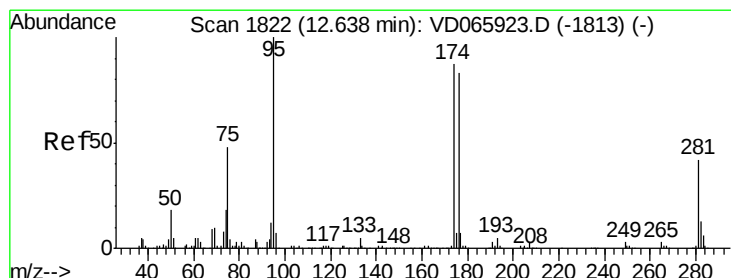
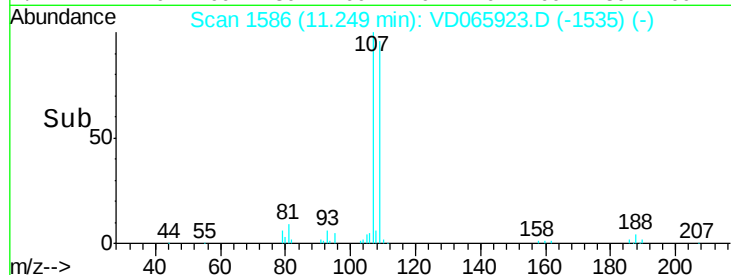
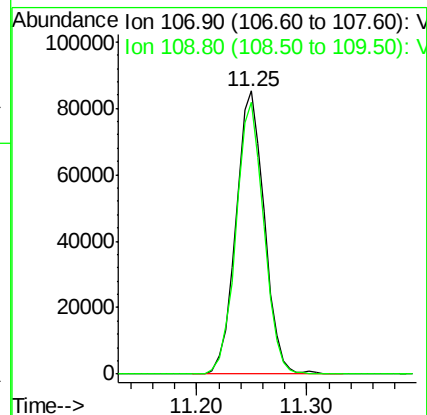
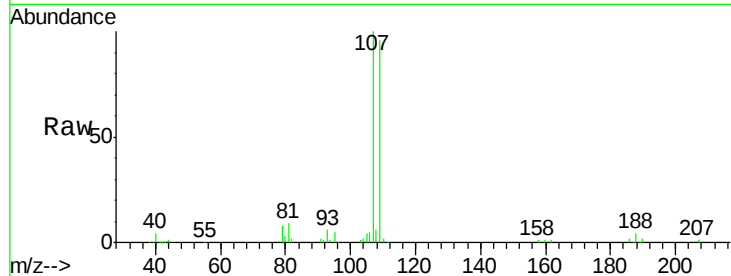
109 94.2 75.4 113.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.348 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

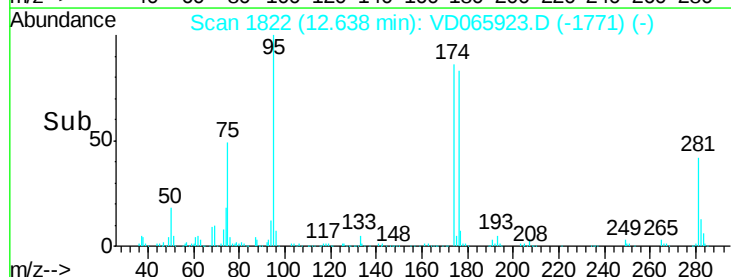
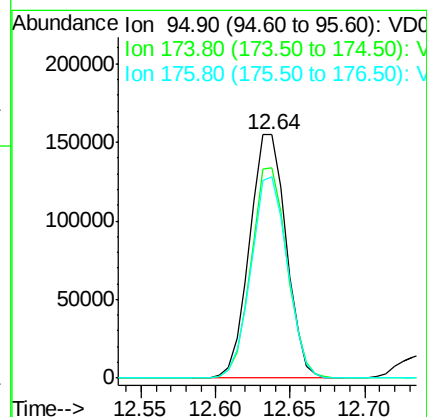
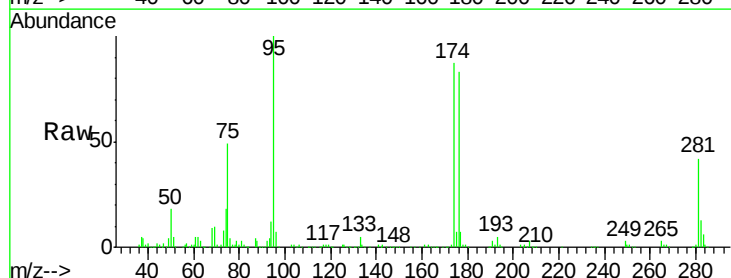
Tgt Ion: 95 Resp: 262758

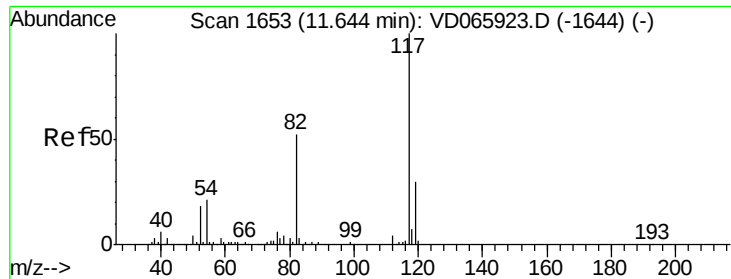
Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.4

176 82.0 0.0 164.0





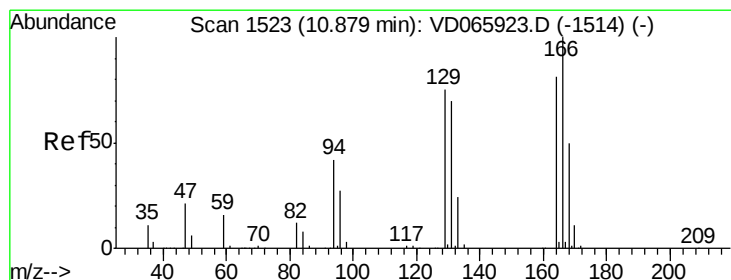
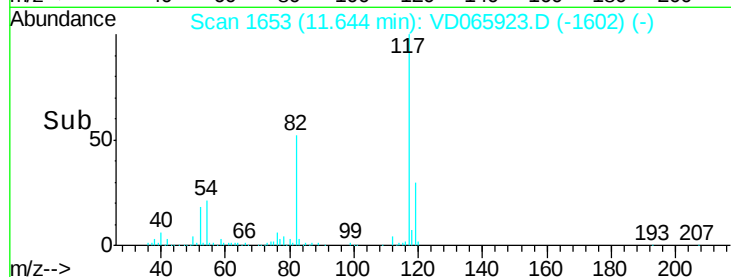
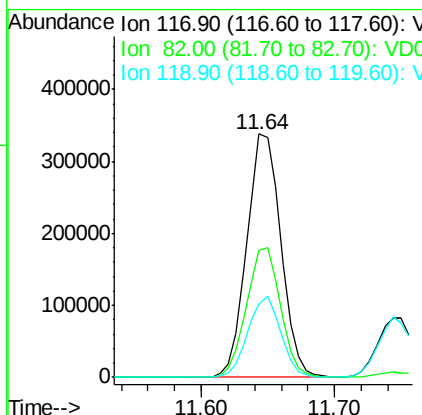
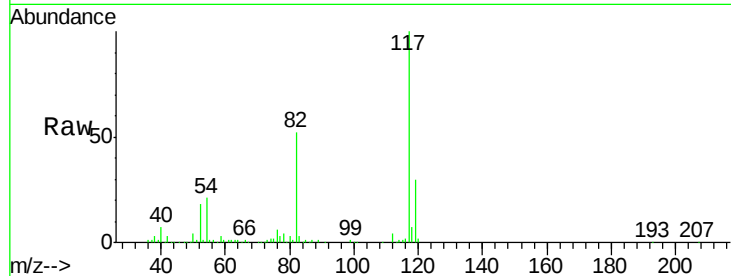
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	595714		
82	52.3		41.8	62.8
119	30.4		24.3	36.5

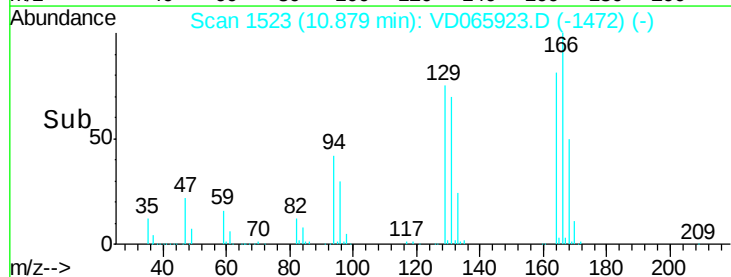
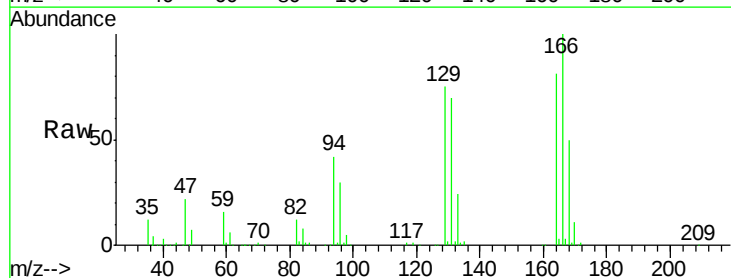
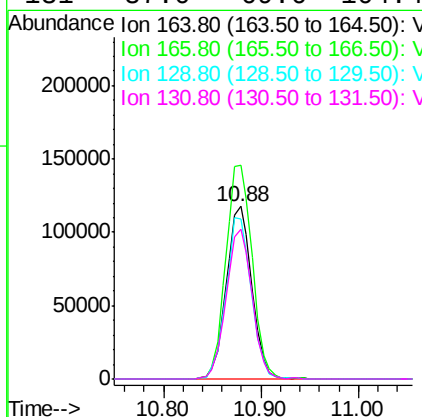
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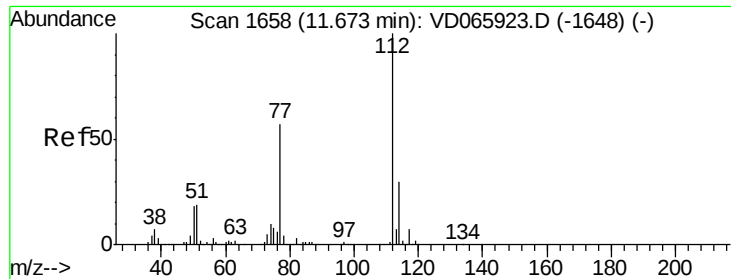
MMDadoda
7/8/2020 12:05:31 PM



#64
Tetrachloroethene
Concen: 49.232 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	213284		
166	123.7		99.0	148.4
129	92.4		73.9	110.9
131	87.0		69.6	104.4





#65

Chlorobenzene

Concen: 50.277 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 603571

Ion Ratio Lower Upper

112 100

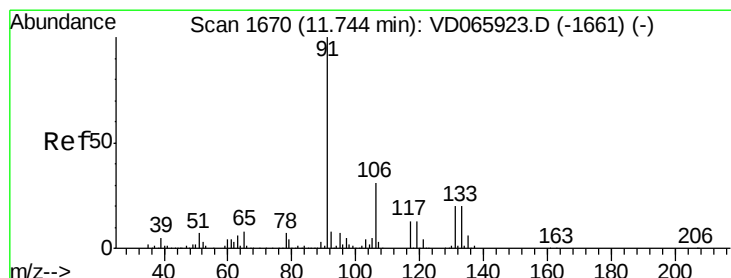
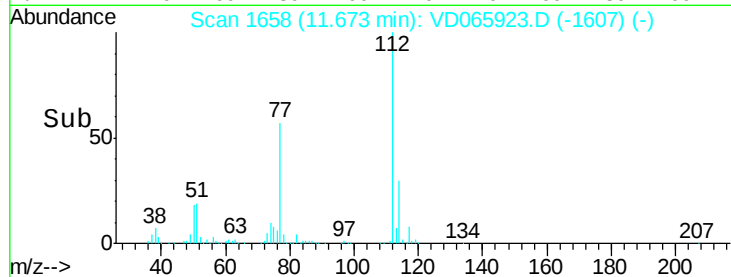
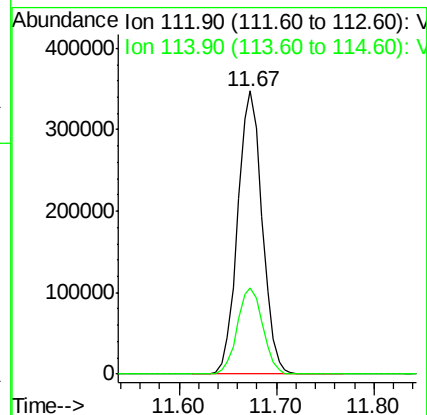
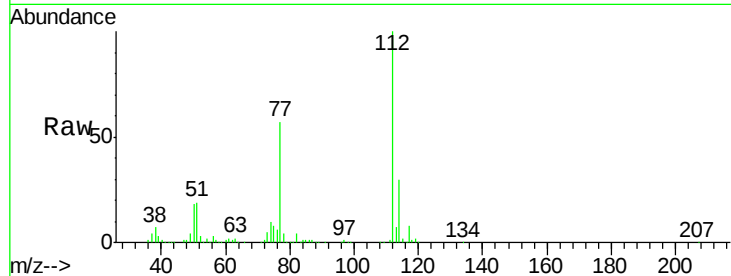
114 30.3 24.2 36.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.194 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

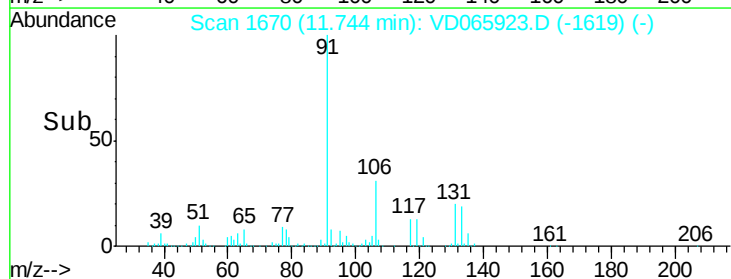
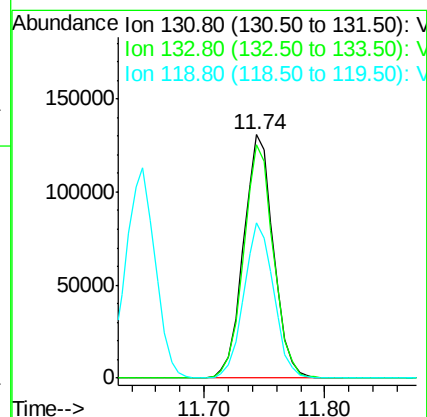
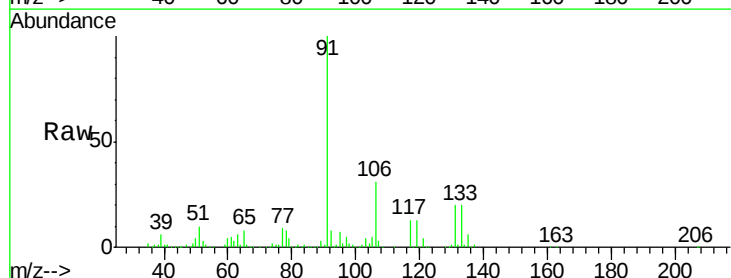
Tgt Ion:131 Resp: 225377

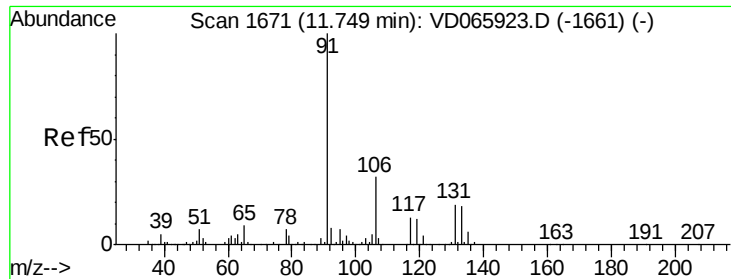
Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.6

119 63.9 31.9 95.9





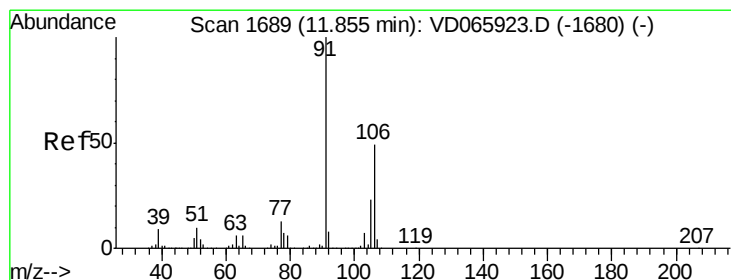
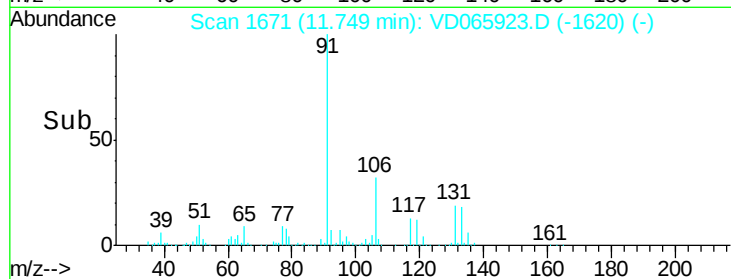
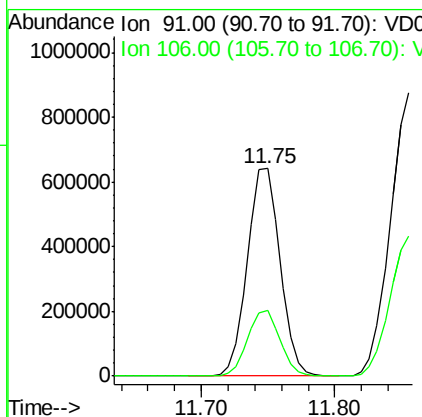
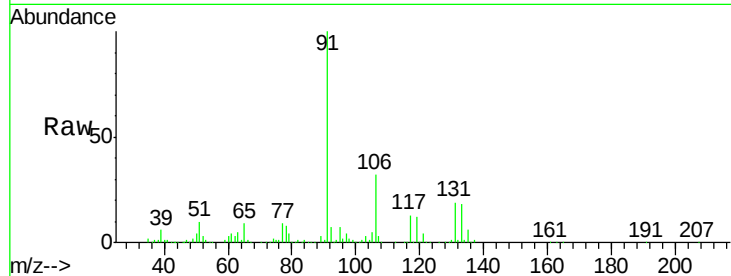
#67
Ethyl Benzene
Concen: 50.873 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1084955
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

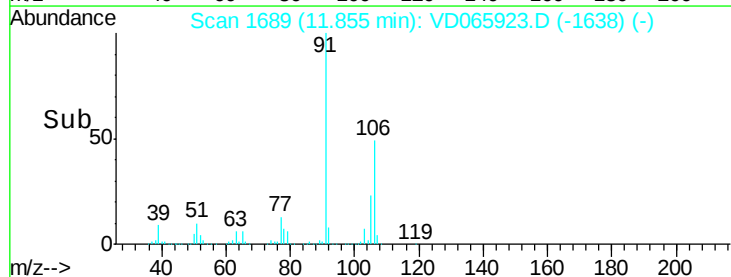
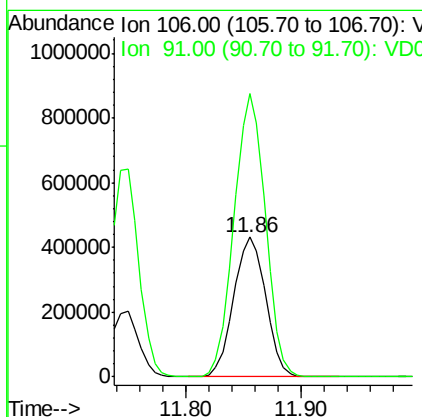
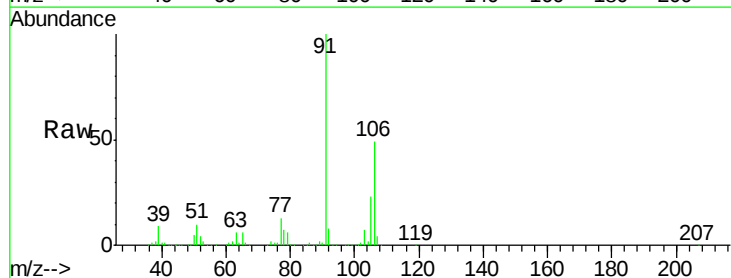
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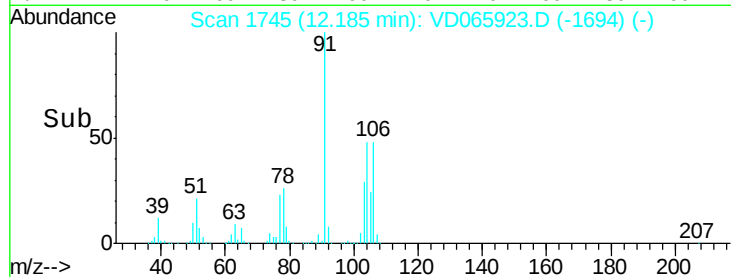
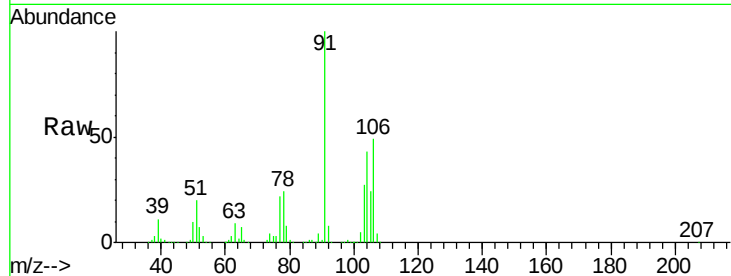
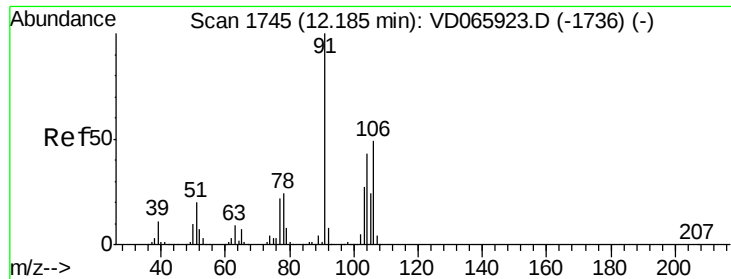
MMDadoda
7/8/2020 12:05:31 PM



#68
m/p-Xylenes
Concen: 102.712 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion: 106 Resp: 832239
Ion Ratio Lower Upper
106 100
91 197.7 158.2 237.2





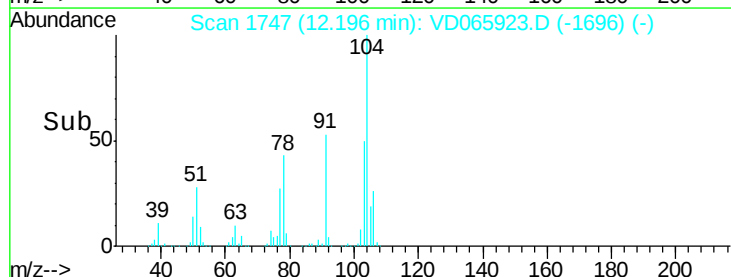
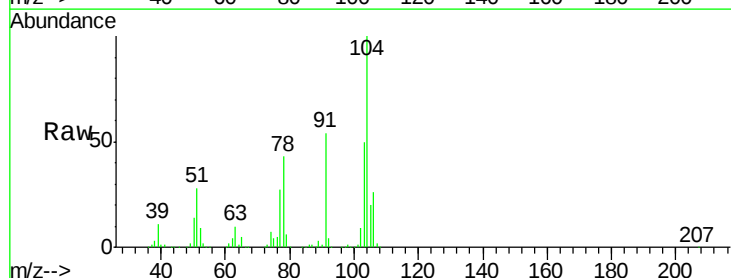
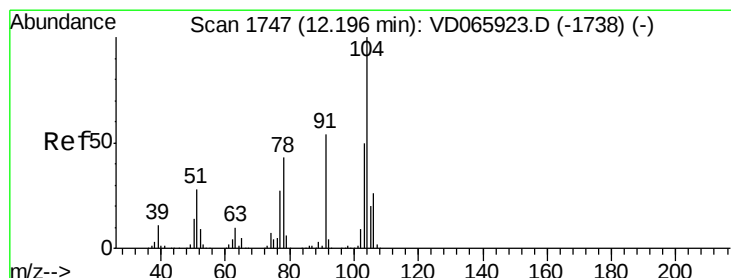
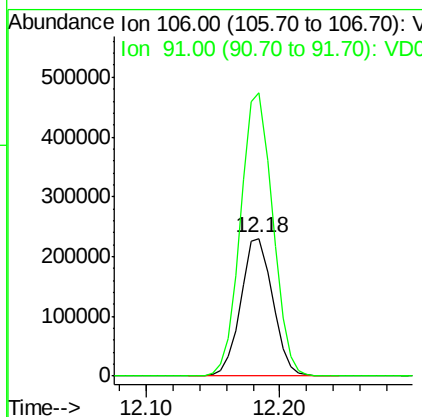
#69
o-Xylene
Concen: 51.594 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		380815		
91	208.1	104.1	312.2		

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

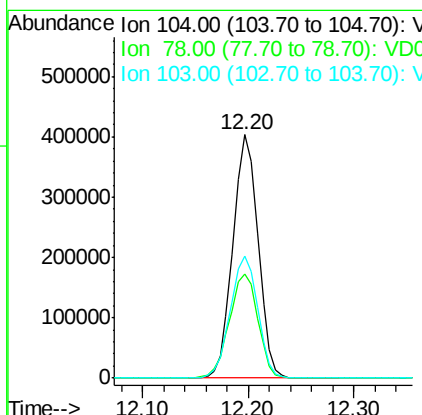
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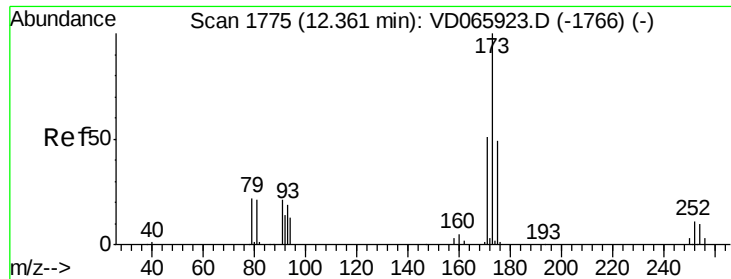
MMDadoda
7/8/2020 12:05:31 PM



#70
Styrene
Concen: 52.108 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		663939		
78	48.5	38.8	58.2		
103	54.5	43.6	65.4		





#71

Bromoform

Concen: 48.838 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 124084

Ion Ratio Lower Upper

173 100

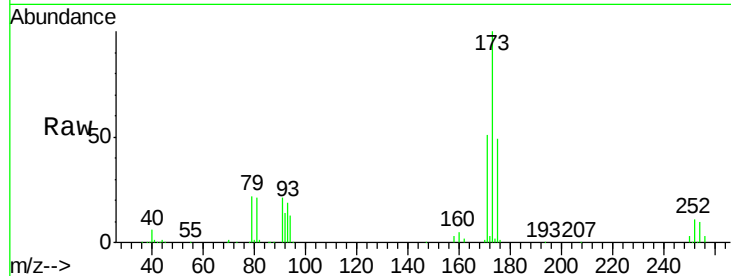
175 48.4 24.2 72.6

254 0.0 0.0 0.0#

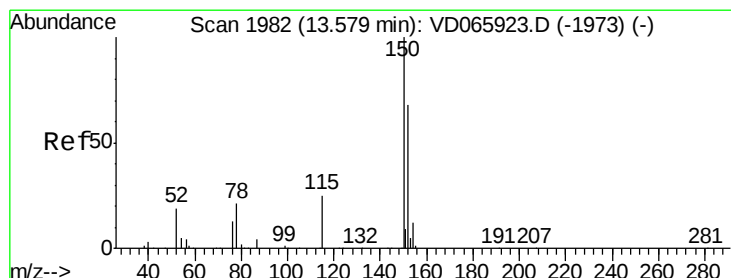
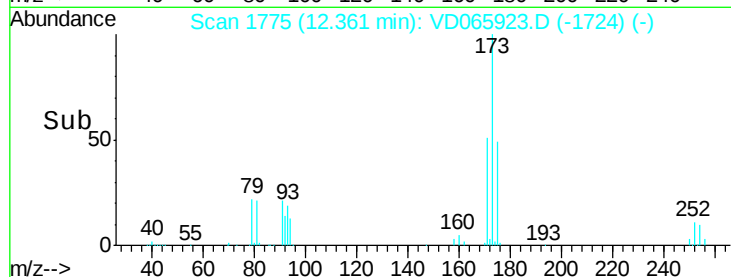
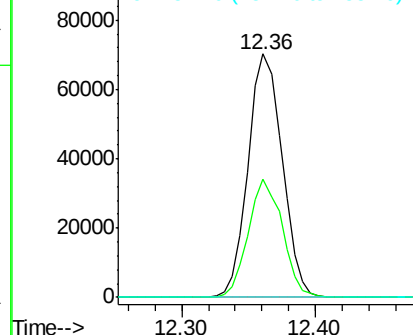
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

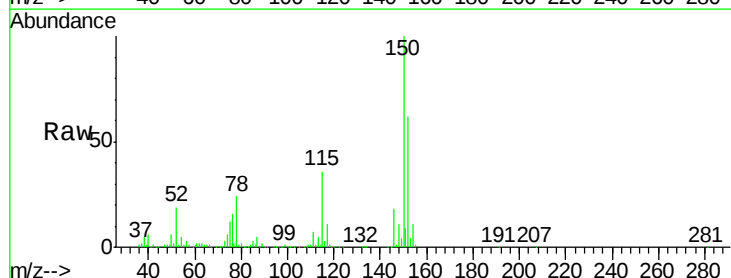
Tgt Ion:152 Resp: 294553

Ion Ratio Lower Upper

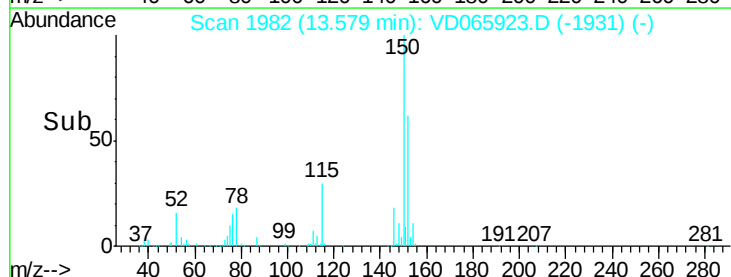
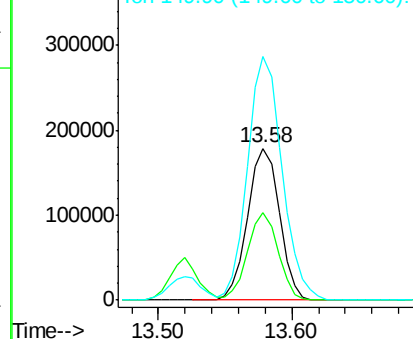
152 100

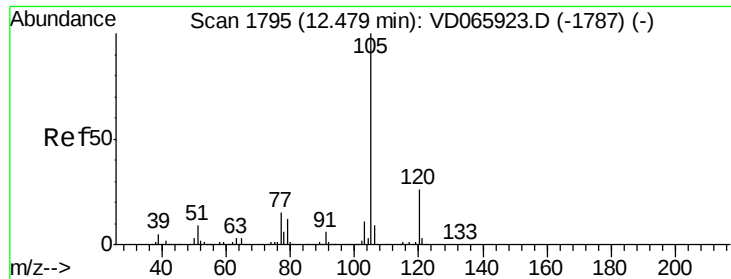
115 55.5 27.8 83.3

150 173.6 0.0 347.2



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





#73

Isopropylbenzene

Concen: 51.308 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1054745

Ion Ratio Lower Upper

105 100

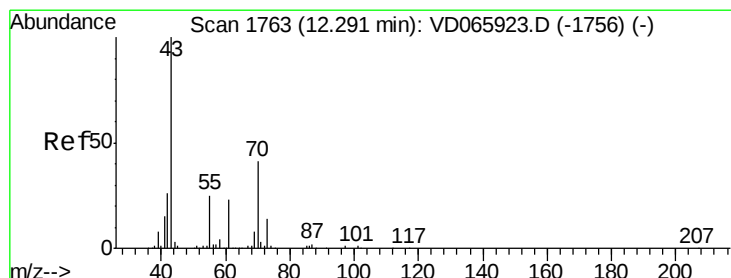
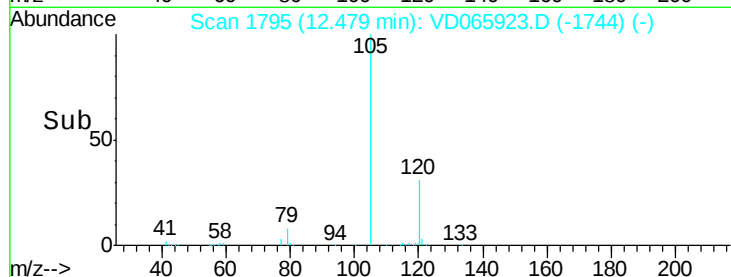
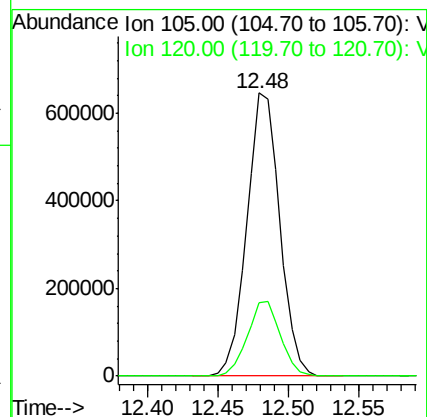
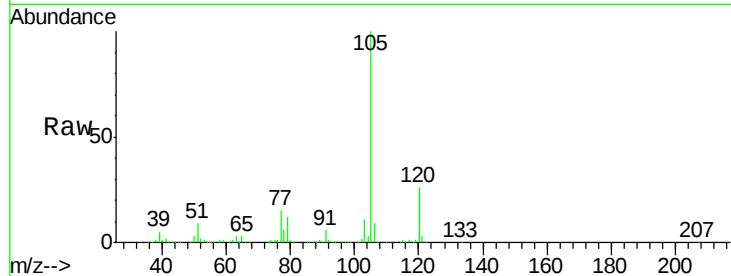
120 26.5 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.343 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Tgt Ion: 43 Resp: 227614

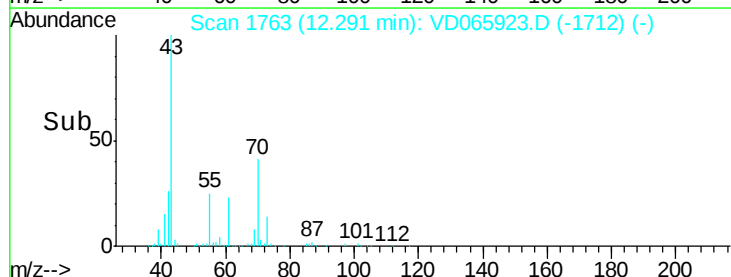
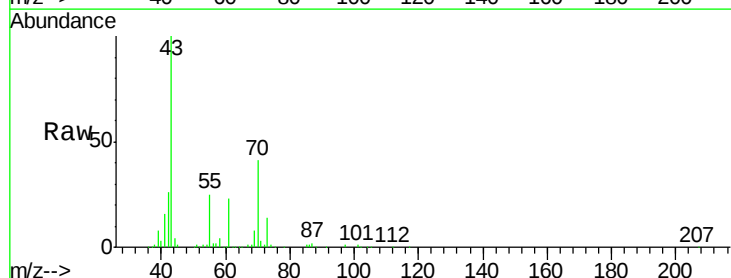
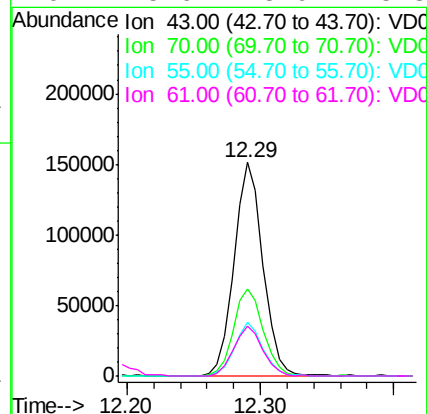
Ion Ratio Lower Upper

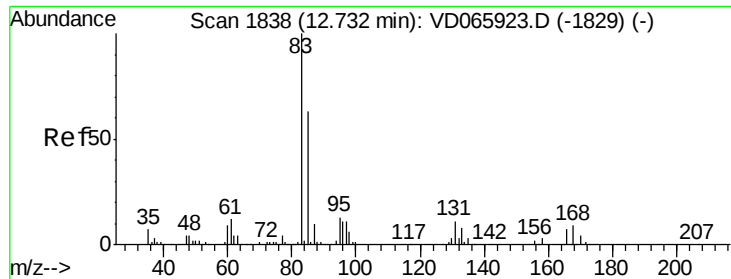
43 100

70 42.0 33.6 50.4

55 25.1 20.1 30.1

61 23.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.825 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

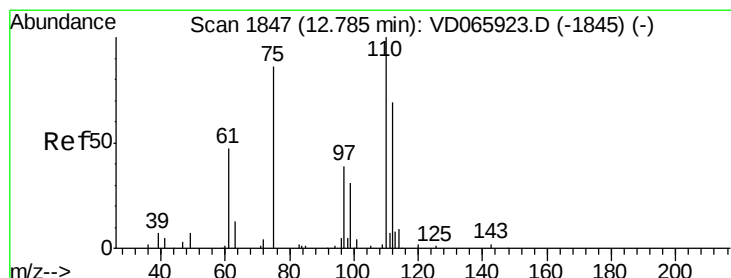
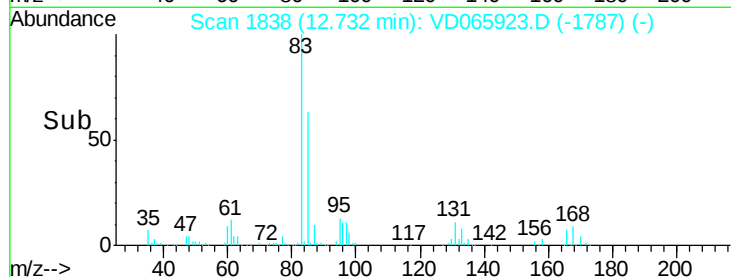
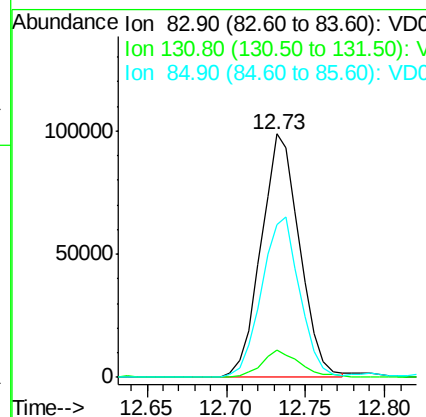
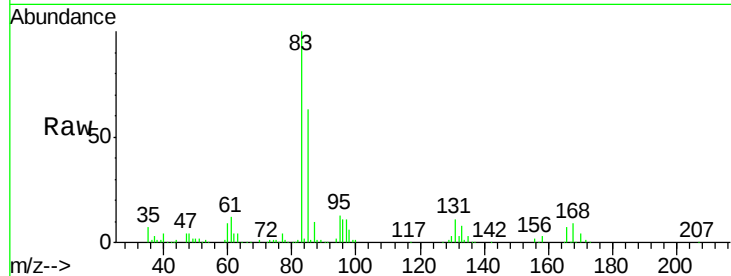
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	166634
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	65.3	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 47.381 ug/l m

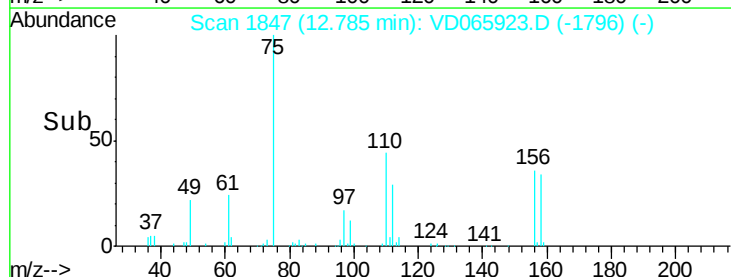
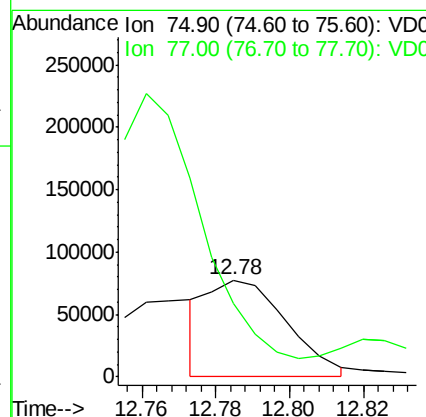
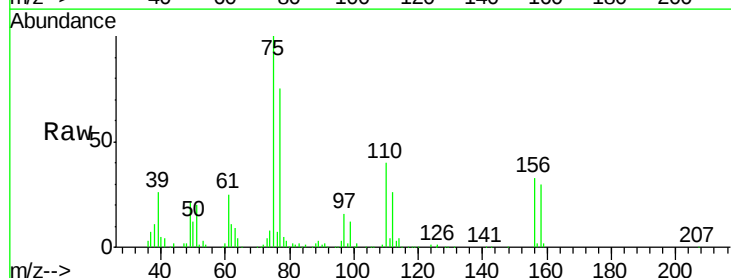
RT: 12.78 min Scan# 1847

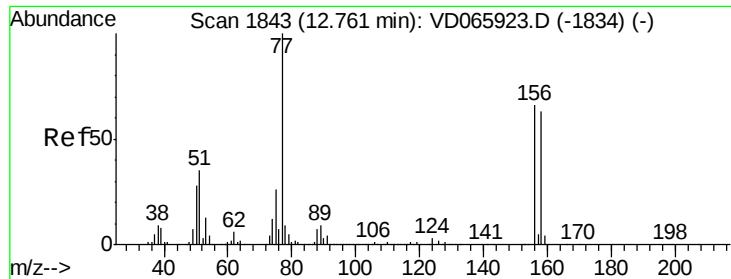
Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Tgt Ion:	75	Resp:	116597
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.097 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 249780

Ion Ratio Lower Upper

156 100

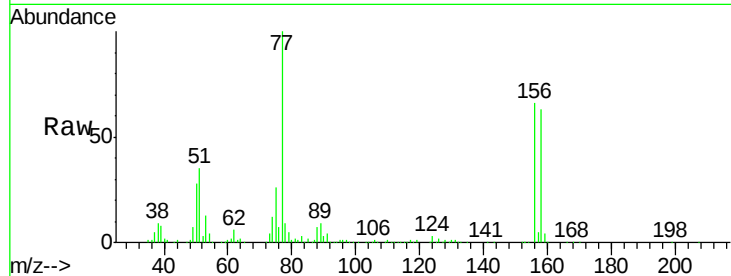
77 170.0 85.0 255.0

158 98.0 49.0 147.0

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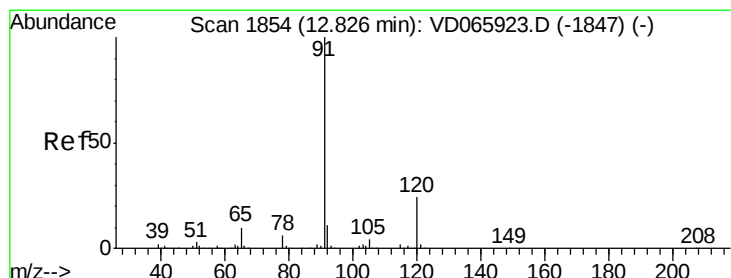
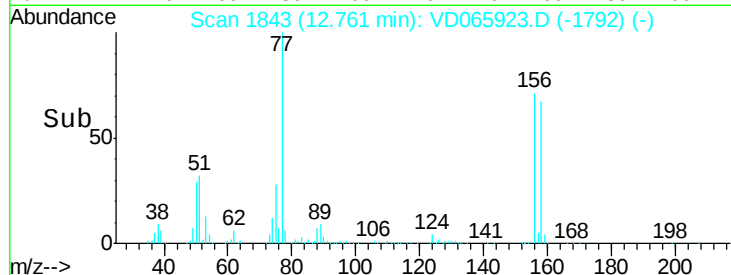
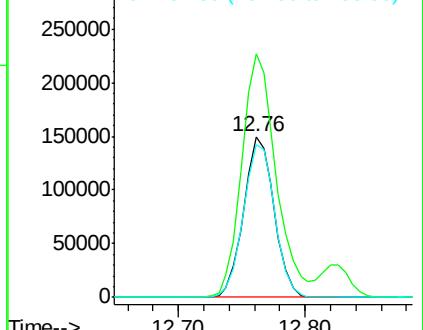
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.089 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065923.D

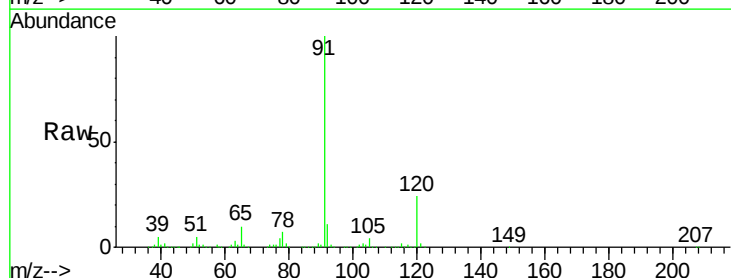
Acq: 07 Jul 2020 15:01

Tgt Ion: 91 Resp: 1231306

Ion Ratio Lower Upper

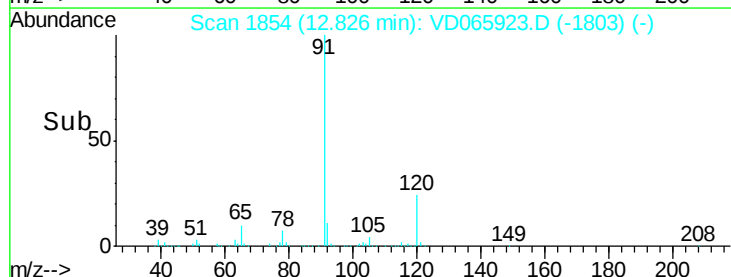
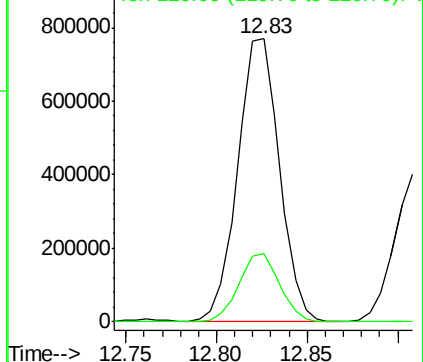
91 100

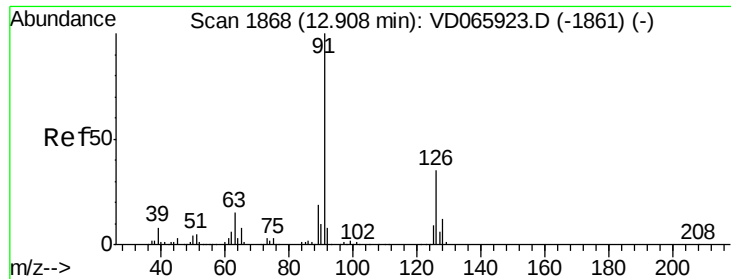
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





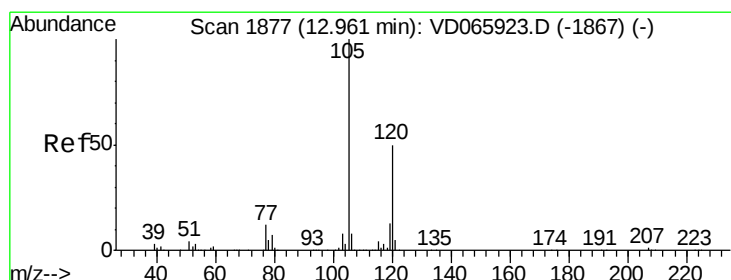
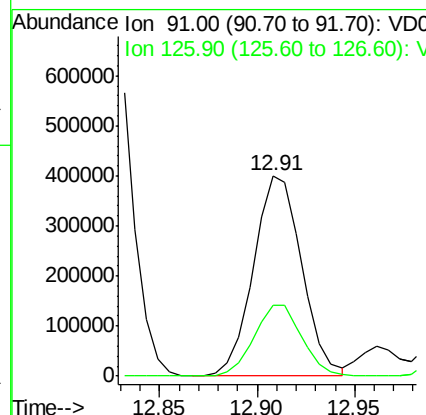
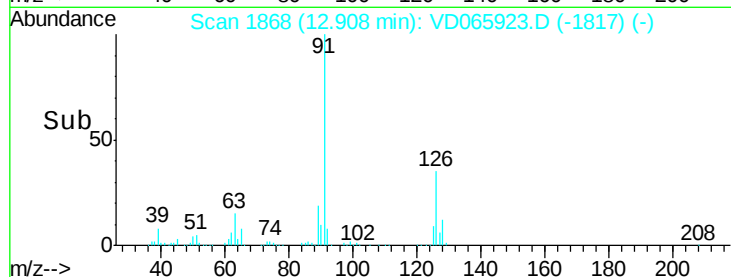
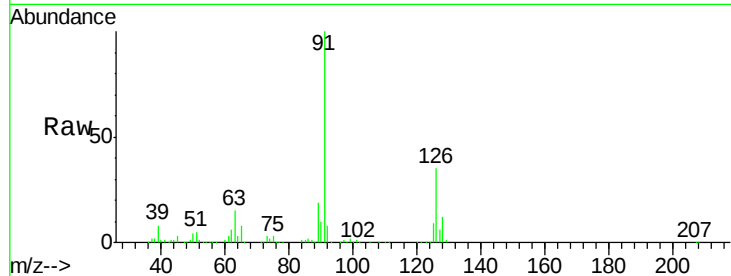
#79
2-Chlorotoluene
Concen: 50.107 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 685101
Ion Ratio Lower Upper
91 100
126 35.2 17.6 52.8

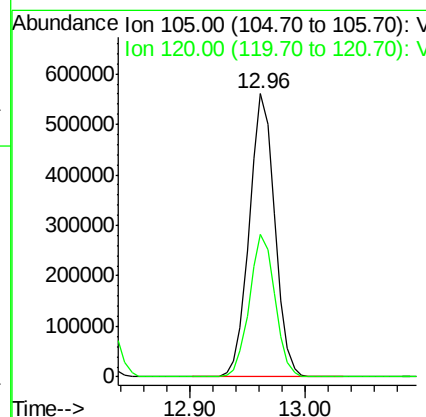
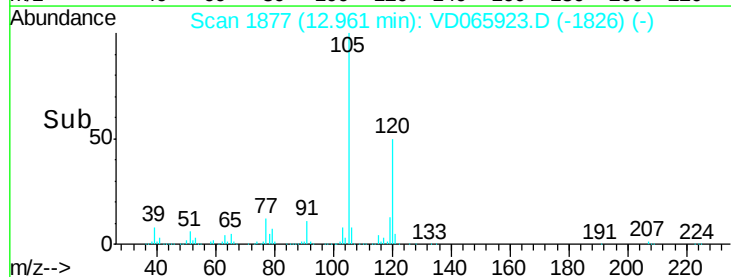
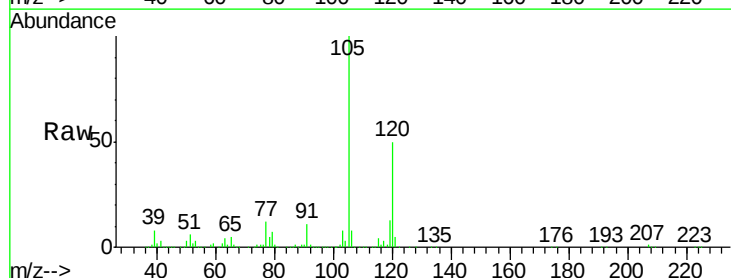
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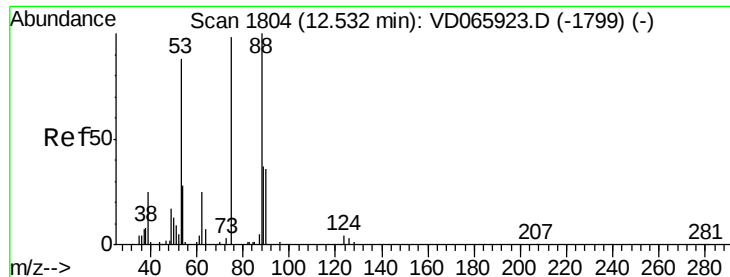
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 51.089 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion: 105 Resp: 859020
Ion Ratio Lower Upper
105 100
120 50.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.700 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 57152

Ion Ratio Lower Upper

75 100

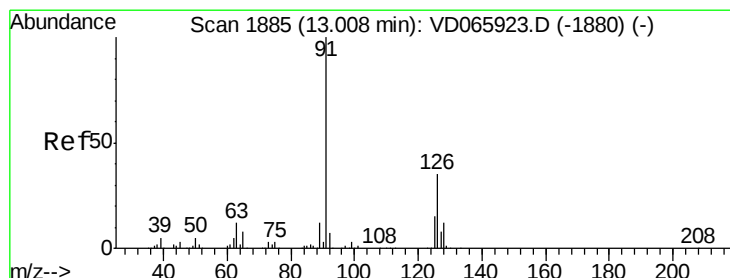
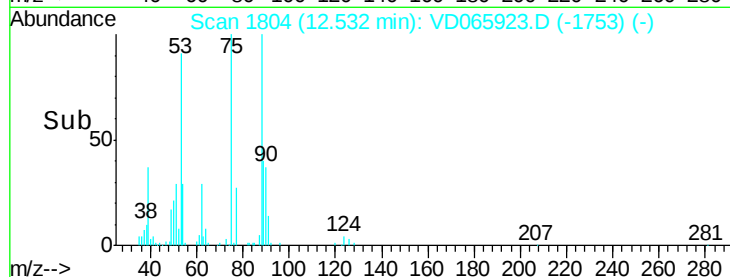
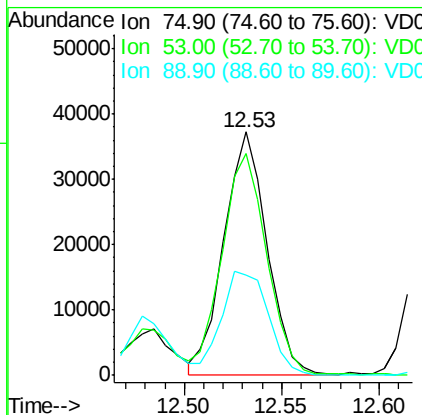
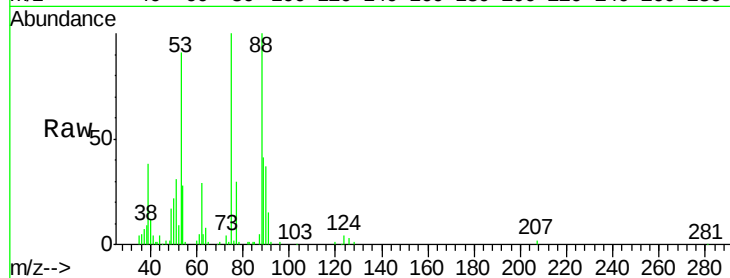
53 94.8 75.8 113.8

89 46.9 37.5 56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.035 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065923.D

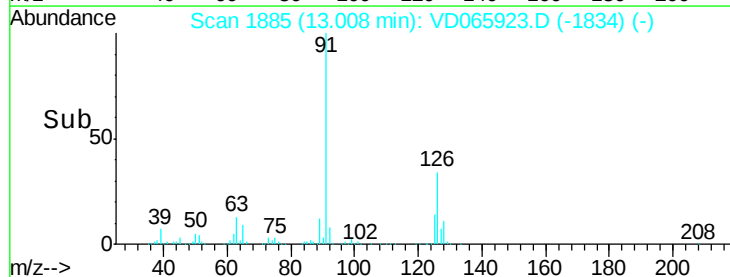
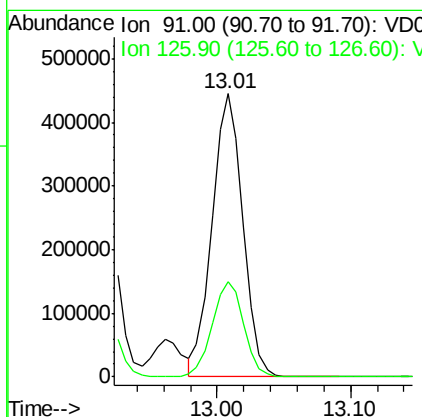
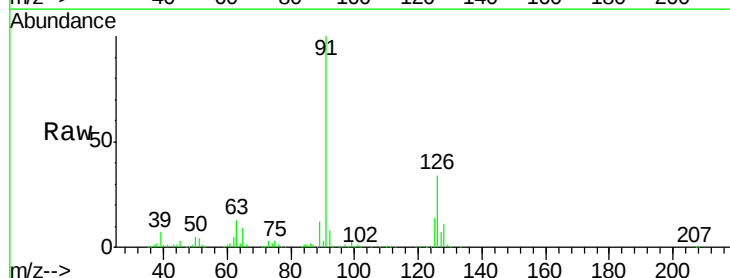
Acq: 07 Jul 2020 15:01

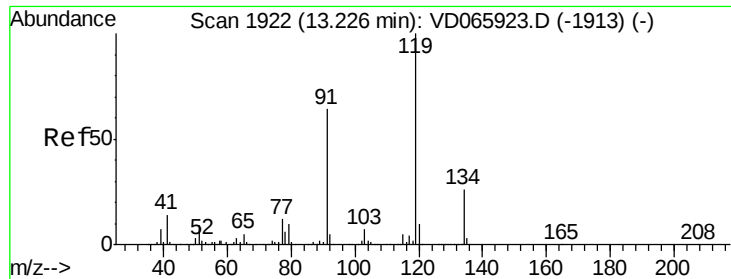
Tgt Ion: 91 Resp: 717762

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.7





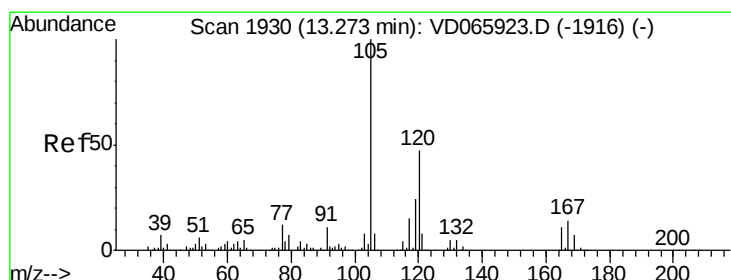
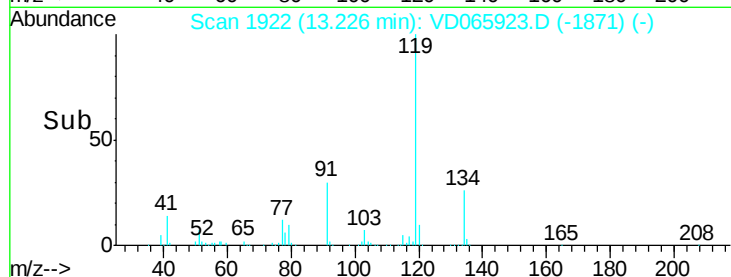
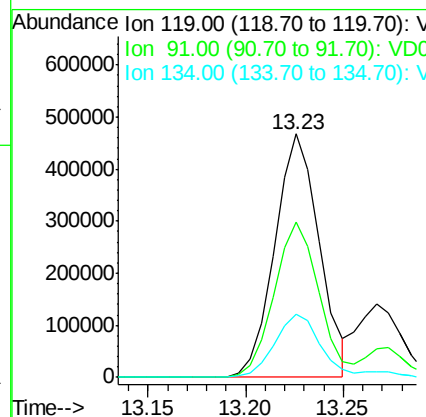
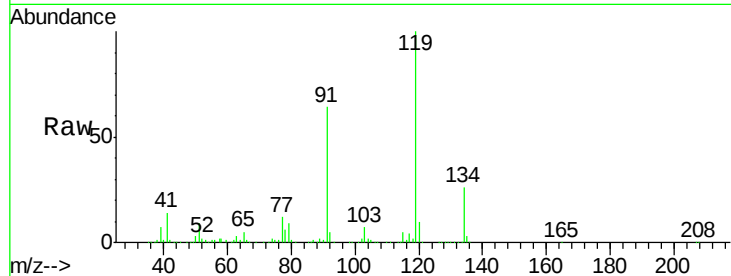
#83
tert-Butylbenzene
Concen: 51.434 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.4	97.2
134	28.3	14.1	42.4

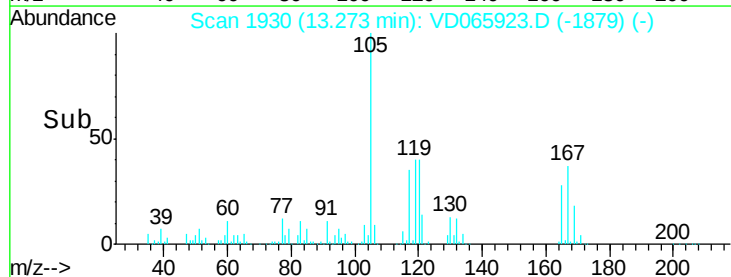
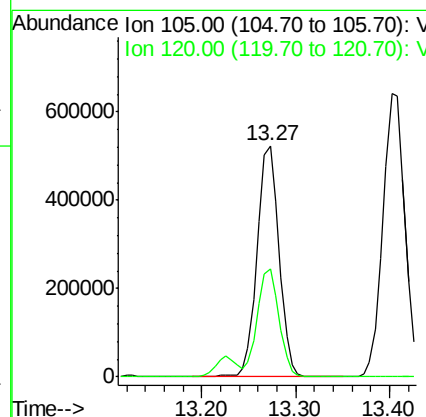
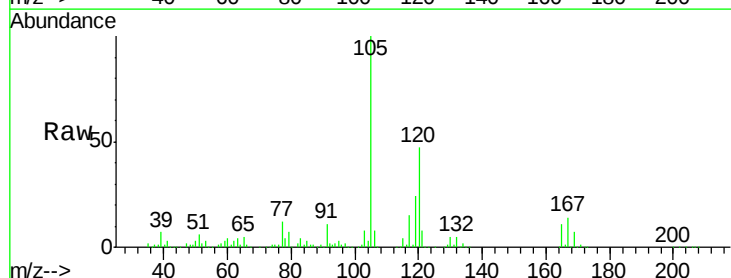
Manual Integrations
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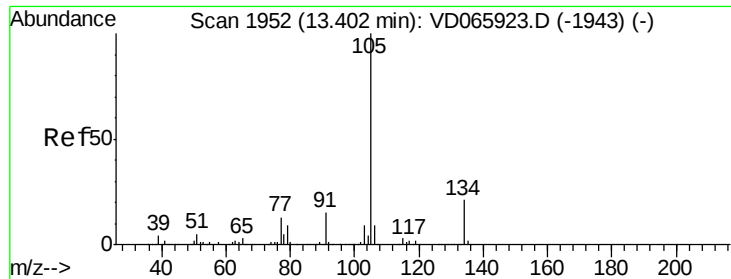
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#84
1,2,4-Trimethylbenzene
Concen: 50.765 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





#85

sec-Butylbenzene

Concen: 51.129 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1038001

Ion Ratio Lower Upper

105 100

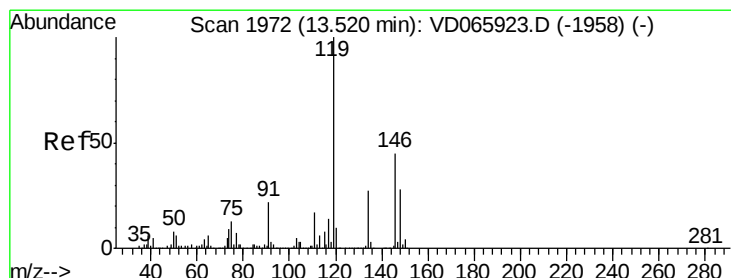
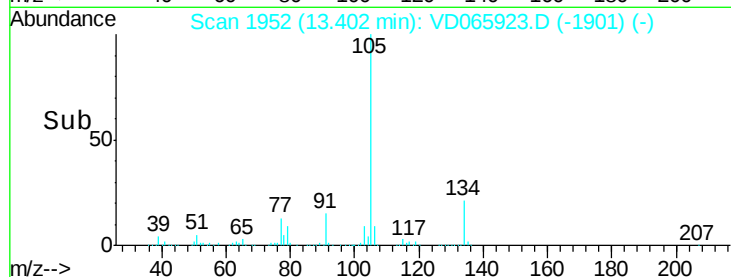
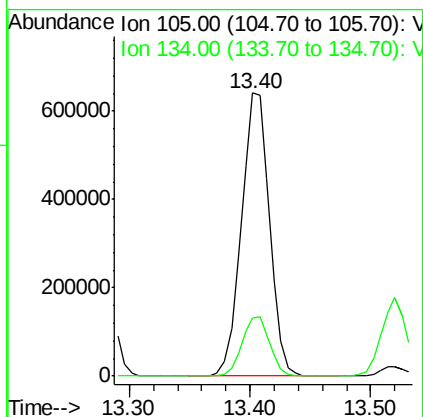
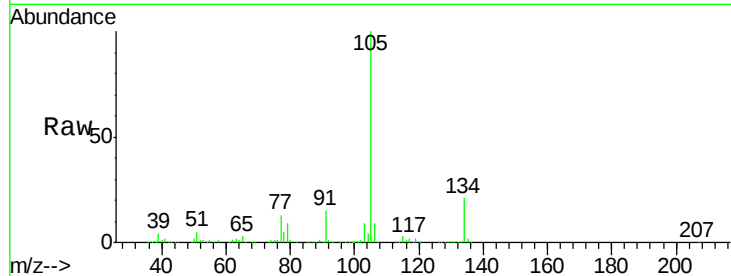
134 20.7 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 51.698 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

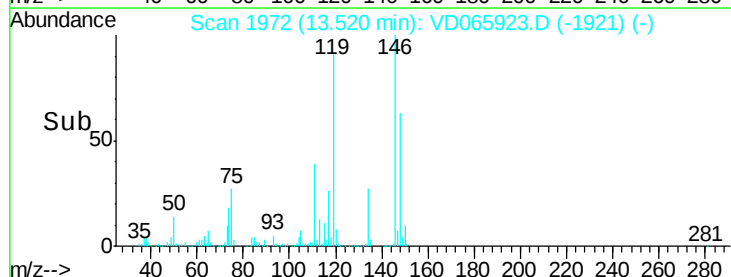
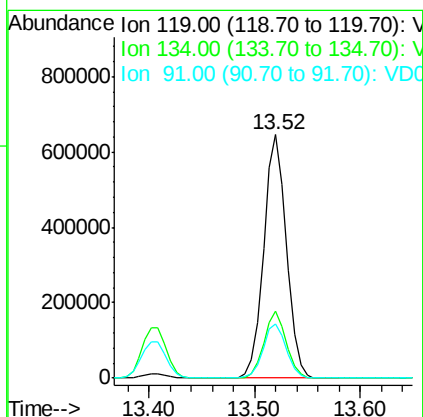
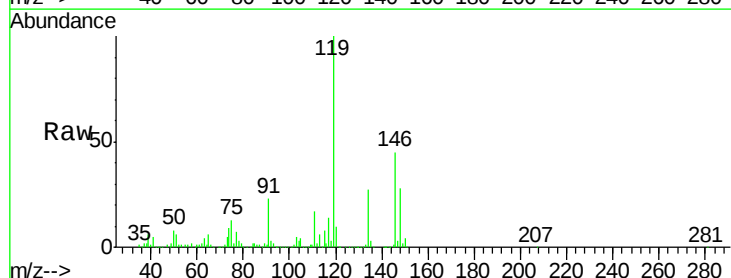
Tgt Ion:119 Resp: 959976

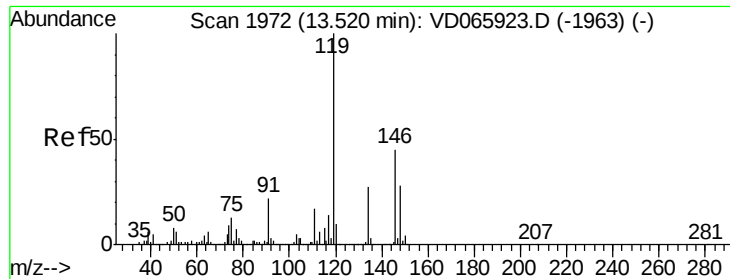
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.5 11.3 33.8





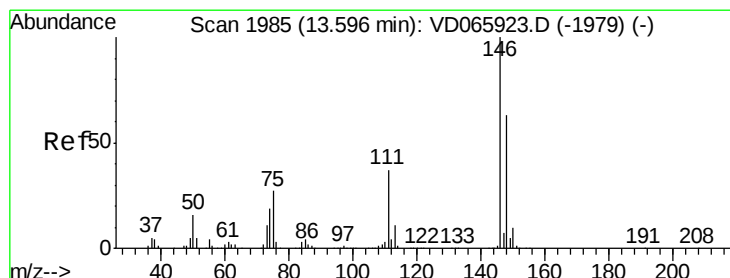
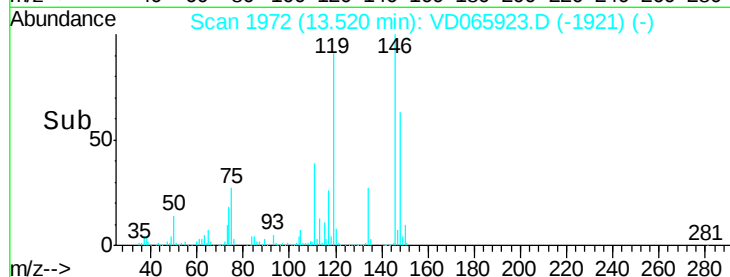
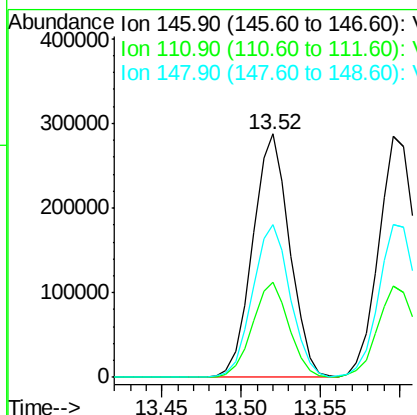
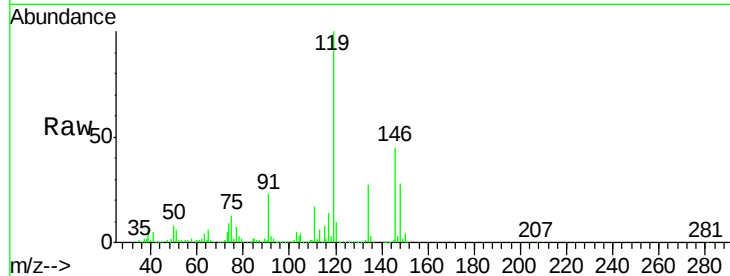
#87
 1,3-Dichlorobenzene
 Concen: 49.932 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	465858		
111	38.5	19.3	57.8	
148	64.0	32.0	96.0	

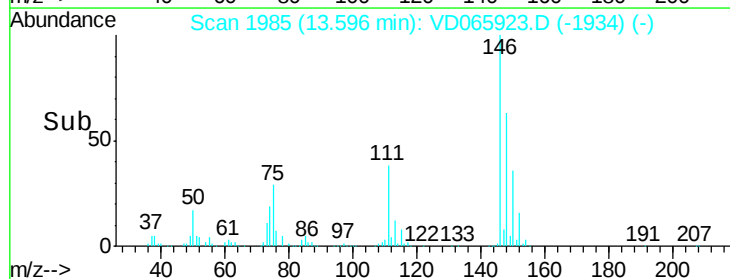
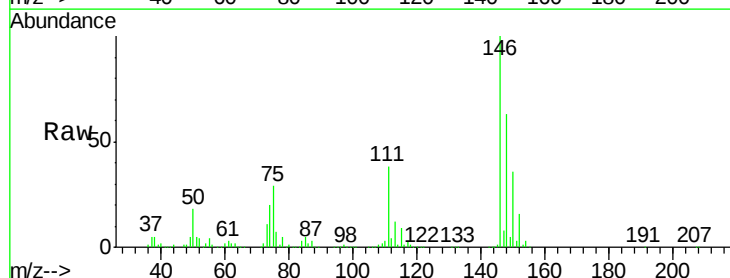
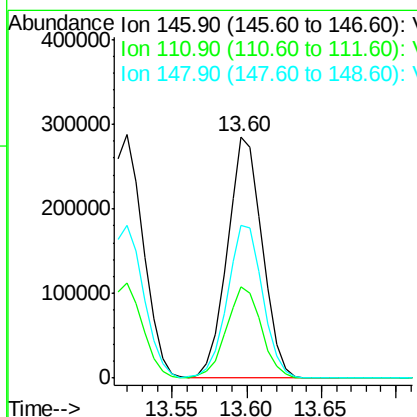
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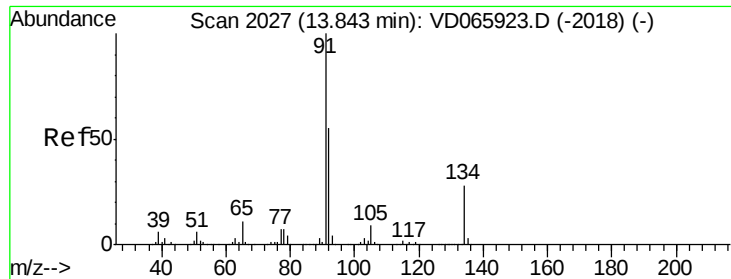
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#88
 1,4-Dichlorobenzene
 Concen: 50.028 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	465655		
111	37.8	18.9	56.7	
148	64.2	32.1	96.3	





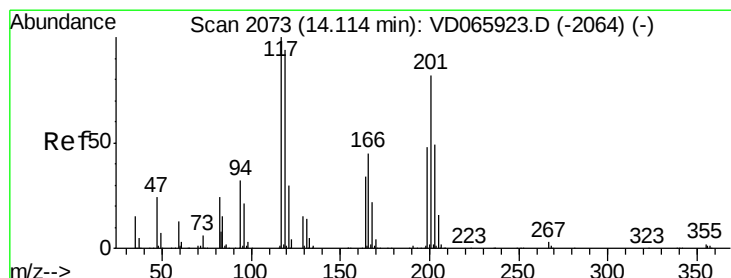
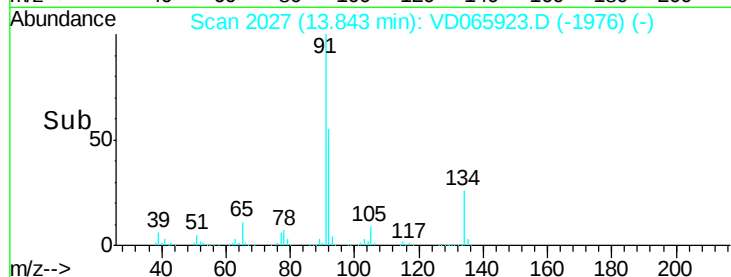
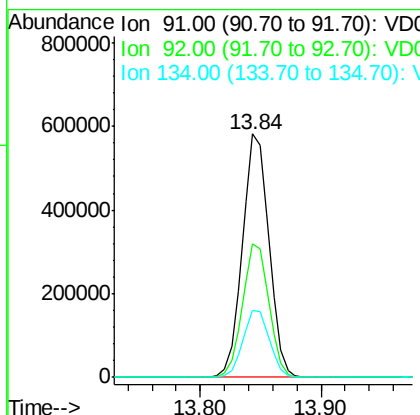
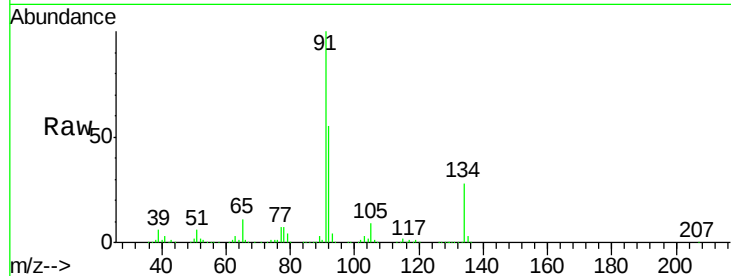
#89
n-Butylbenzene
Concen: 51.306 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.4	27.2	81.6	
134	27.5	13.8	41.3	

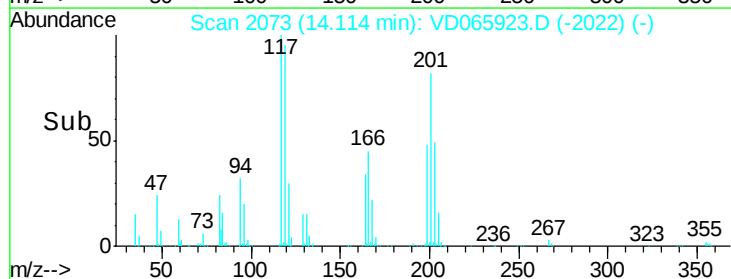
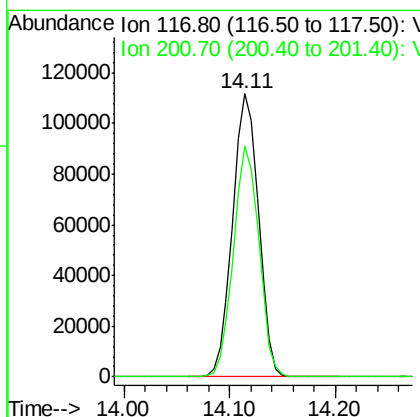
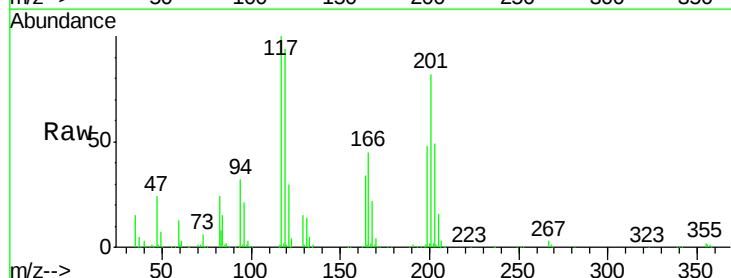
Manual Integrations
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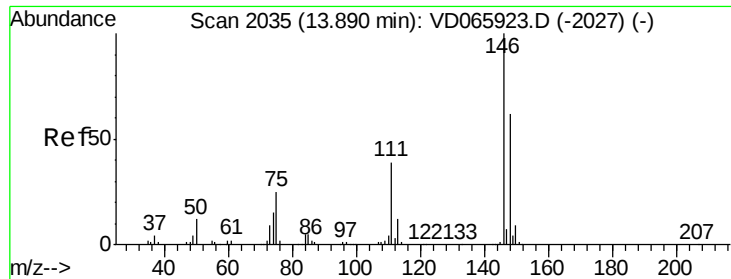
MMDadoda
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#90
Hexachloroethane
Concen: 50.582 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065923.D
Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	80.0	40.0	120.0	





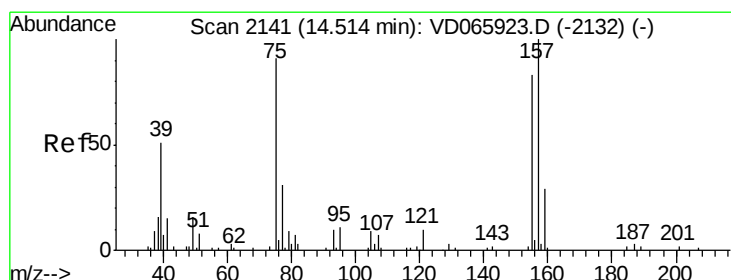
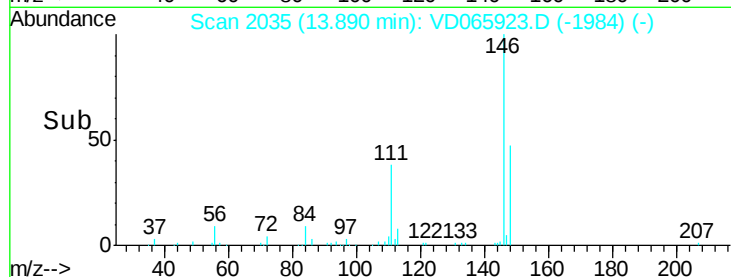
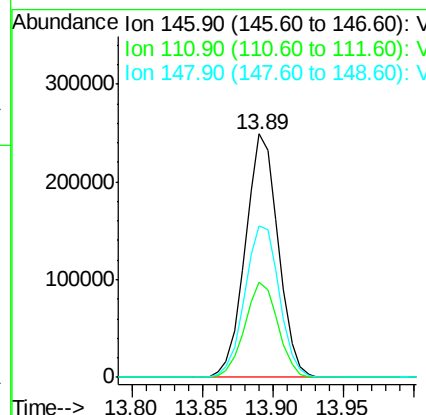
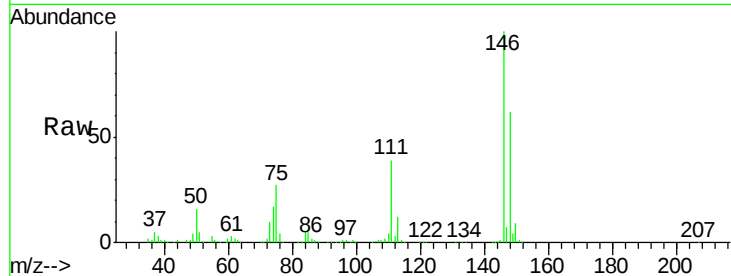
#91
 1,2-Dichlorobenzene
 Concen: 49.909 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	65.0	32.5	97.5

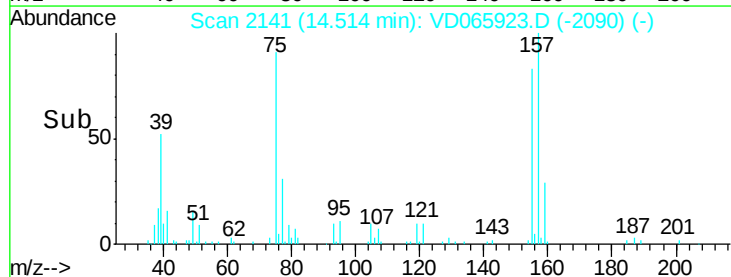
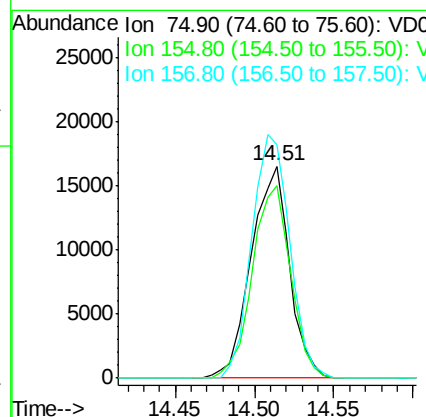
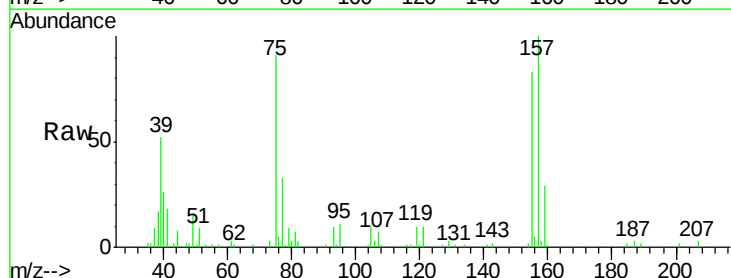
Manual Integrations
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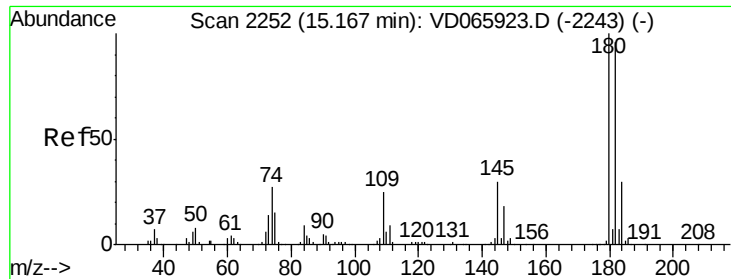
MMDadoda
 7/8/2020 12:05:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.875 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	45.3	135.8
157	113.7	56.9	170.6





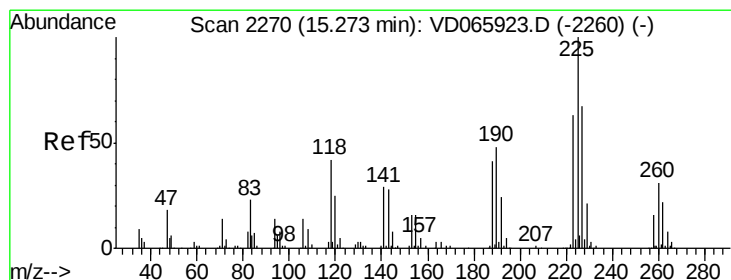
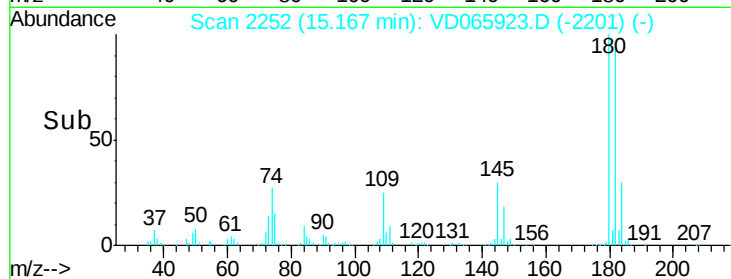
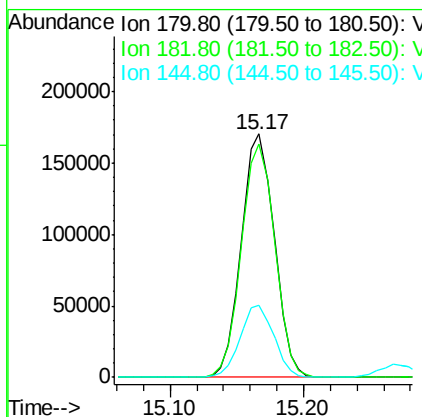
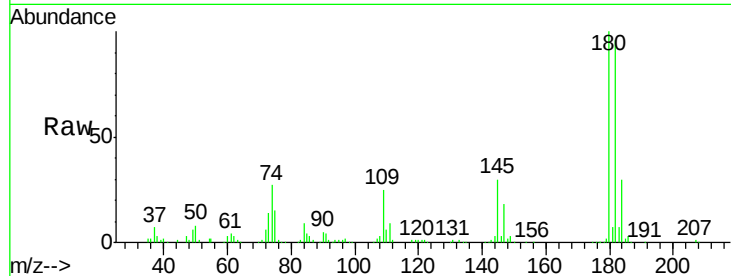
#93
 1,2,4-Trichlorobenzene
 Concen: 50.135 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291370		
182	97.1	48.5	145.6	
145	30.1	15.0	45.1	

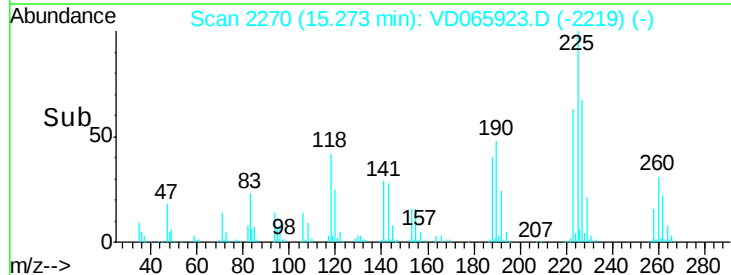
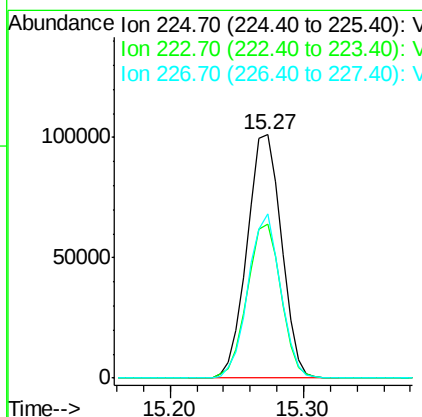
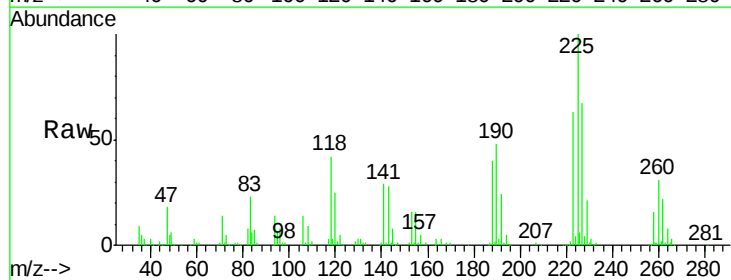
Manual Integrations
 APPROVED

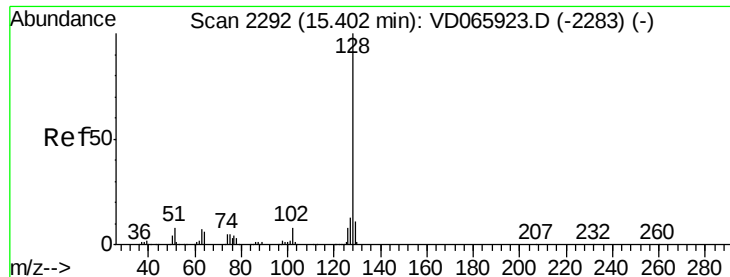
MMDadoda
 7/8/2020 12:05:31 PM



#94
 Hexachlorobutadiene
 Concen: 51.212 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065923.D
 Acq: 07 Jul 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	180035		
223	62.1	31.1	93.2	
227	63.3	31.6	95.0	





#95

Naphthalene

Concen: 50.062 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Instrument :

MSVOA_D

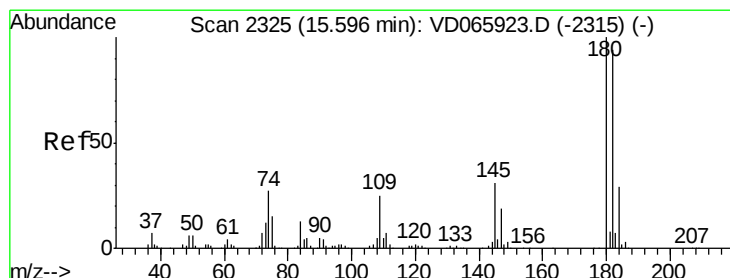
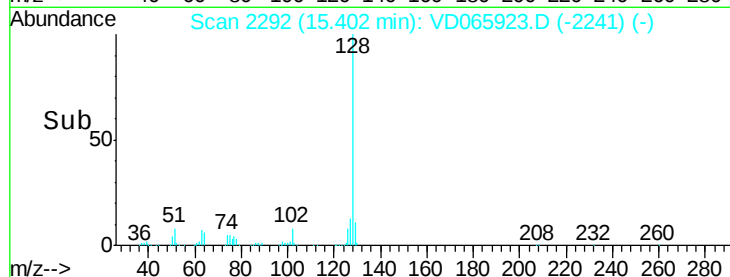
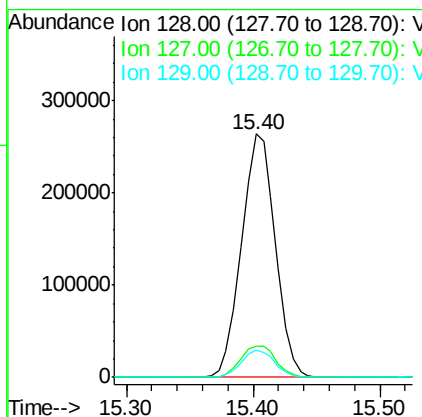
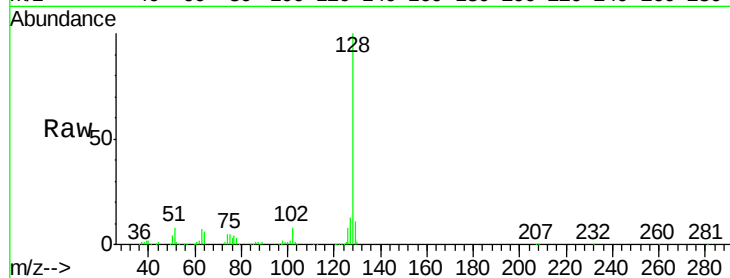
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	487958
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.1	8.9	13.3

Manual Integrations
APPROVED

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7/8/2020 12:05:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.856 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD065923.D

Acq: 07 Jul 2020 15:01

Tgt Ion:	180	Resp:	249925
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.6	142.8
145	32.1	16.1	48.2

