

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065192.D
 Acq On : 17 Feb 2020 10:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 10:58:43 AM

Quant Time: Feb 18 03:24:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	468315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	678001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	610254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210283	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.92	113	223455	59.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.14%	
50) Toluene-d8	10.34	98	864614	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
62) 4-Bromofluorobenzene	12.64	95	281616	59.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	201610	51.733	ug/l	99
3) Chloromethane	2.21	50	242792	52.924	ug/l	99
4) Vinyl Chloride	2.35	62	245903	50.684	ug/l	100
5) Bromomethane	2.77	94	144372	45.893	ug/l	99
6) Chloroethane	2.93	64	155854	51.786	ug/l	100
7) Trichlorofluoromethane	3.27	101	361509	51.201	ug/l	100
8) Diethyl Ether	3.70	74	104813	51.710	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	233799	54.166	ug/l	99
10) Methyl Iodide	4.29	142	252712	51.295	ug/l	100
11) Tert butyl alcohol	5.25	59	53746	221.004	ug/l	98
12) 1,1-Dichloroethene	4.06	96	219511	53.100	ug/l	96
13) Acrolein	3.92	56	74127	247.819	ug/l	99
14) Allyl chloride	4.71	41	361776	52.657	ug/l	96
15) Acrylonitrile	5.43	53	233933	263.984	ug/l	99
16) Acetone	4.17	43	298272	299.729	ug/l	97
17) Carbon Disulfide	4.40	76	693436	52.244	ug/l	99
18) Methyl Acetate	4.72	43	108025	51.957	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	462047	50.544	ug/l	99
20) Methylene Chloride	4.96	84	239433	55.040	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	248928	53.224	ug/l	96
22) Diisopropyl ether	6.37	45	705589	54.446	ug/l	99
23) Vinyl Acetate	6.31	43	1940125	268.593	ug/l	99
24) 1,1-Dichloroethane	6.27	63	427320	54.477	ug/l	98
25) 2-Butanone	7.22	43	333797	281.198	ug/l	95
26) 2,2-Dichloropropane	7.21	77	377689	53.719	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	261966	52.723	ug/l	99
28) Bromochloromethane	7.55	49	164434	55.300	ug/l	99
29) Tetrahydrofuran	7.57	42	188650	262.797	ug/l	98
30) Chloroform	7.71	83	425944	54.535	ug/l	96
31) Cyclohexane	7.98	56	401352	50.688	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	392637	53.967	ug/l	99
36) 1,1-Dichloropropene	8.11	75	347794	55.167	ug/l	100
37) Ethyl Acetate	7.30	43	134215	52.111	ug/l	100
38) Carbon Tetrachloride	8.10	117	348294	54.092	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	422227	54.259	ug/l	98
40) Benzene	8.36	78	963046	55.318	ug/l	100
41) Methacrylonitrile	7.53	41	77109	54.343	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	257669	51.943	ug/l	97
43) Isopropyl Acetate	8.46	43	248161	50.369	ug/l	98
44) Trichloroethene	9.11	130	267532	53.537	ug/l	96
45) 1,2-Dichloropropane	9.39	63	241439	57.842	ug/l	98
46) Dibromomethane	9.48	93	119684	54.566	ug/l	99
47) Bromodichloromethane	9.67	83	326650	56.520	ug/l	98
48) Methyl methacrylate	9.46	41	119160	50.261	ug/l	95
49) 1,4-Dioxane	9.47	88	27444	1056.388	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	642696	265.019	ug/l	98
52) Toluene	10.41	92	620726	55.864	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	305866	54.357	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	372497	55.350	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	168551	56.024	ug/l	97
56) Ethyl methacrylate	10.67	69	208502	54.773	ug/l	96
57) 1,3-Dichloropropane	10.95	76	292570	55.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	279014	224.951	ug/l	100
59) 2-Hexanone	10.99	43	520054	302.753	ug/l	99
60) Dibromochloromethane	11.14	129	219205	56.252	ug/l	99
61) 1,2-Dibromoethane	11.25	107	162620	55.319	ug/l	99
64) Tetrachloroethene	10.88	164	226129	51.569	ug/l	97
65) Chlorobenzene	11.67	112	646333	54.759	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	240129	55.122	ug/l	99
67) Ethyl Benzene	11.75	91	1171270	54.619	ug/l	100
68) m/p-Xylenes	11.86	106	902447	110.260	ug/l	99
69) o-Xylene	12.18	106	402134	54.560	ug/l	99
70) Styrene	12.20	104	717180	55.986	ug/l	99
71) Bromoform	12.37	173	126554	53.972	ug/l #	98
73) Isopropylbenzene	12.48	105	1110594	54.323	ug/l	99
74) N-amyl acetate	12.30	43	227578	51.214	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	176502	54.855	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	118870m	52.710	ug/l	
77) Bromobenzene	12.77	156	264820	53.763	ug/l	99
78) n-propylbenzene	12.83	91	1337769	55.875	ug/l	100
79) 2-Chlorotoluene	12.91	91	726358	54.427	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	923725	55.228	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	59892	53.114	ug/l	97
82) 4-Chlorotoluene	13.01	91	760360	54.249	ug/l	99
83) tert-Butylbenzene	13.23	119	767411	53.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	905548	54.535	ug/l	99
85) sec-Butylbenzene	13.41	105	1102713	55.952	ug/l	99
86) p-Isopropyltoluene	13.53	119	1019928	55.700	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	501445	54.372	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	492757	53.683	ug/l	99
89) n-Butylbenzene	13.86	91	940724	55.660	ug/l	99
90) Hexachloroethane	14.12	117	195699	56.440	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	428016	54.184	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25975	49.452	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	289732	51.317	ug/l	99
94) Hexachlorobutadiene	15.28	225	182436	52.552	ug/l	99
95) Naphthalene	15.41	128	479546	51.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	249998	51.766	ug/l	100

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

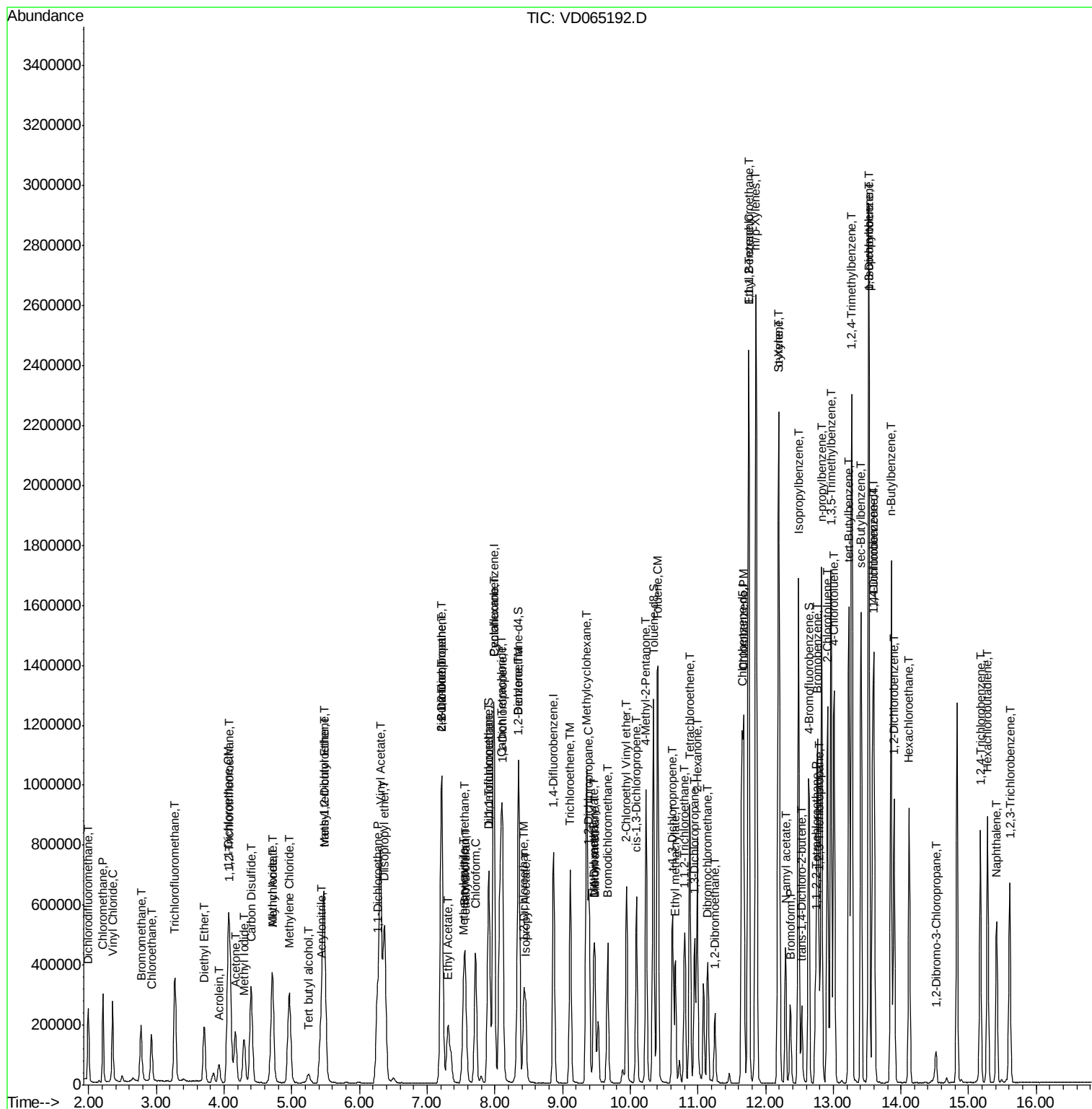
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021720\
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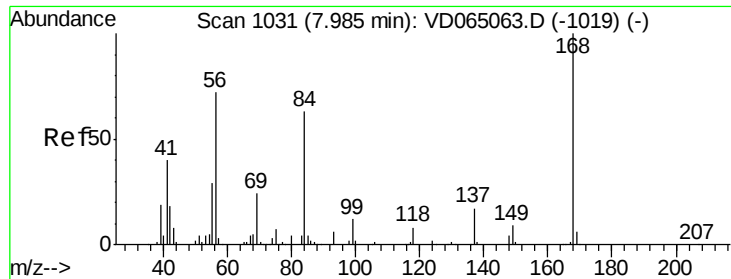
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MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 468315

Ion Ratio Lower Upper

168 100

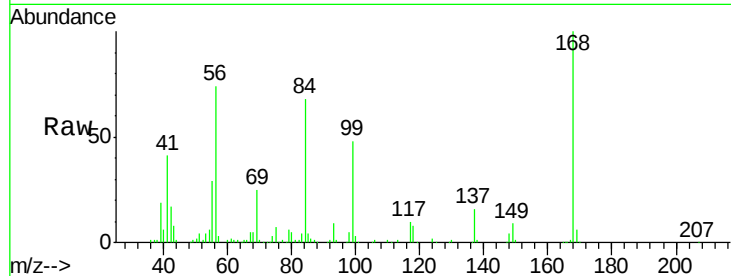
99 47.8 41.0 61.6

Manual Integrations

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2/18/2020 10:58:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

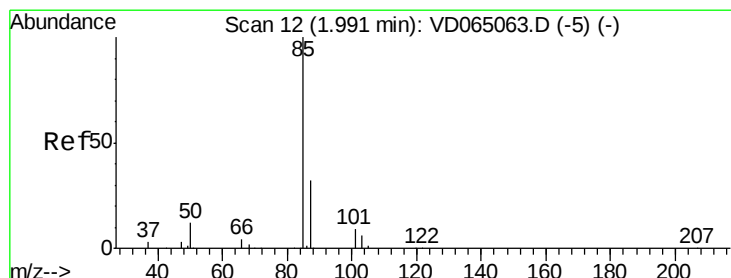
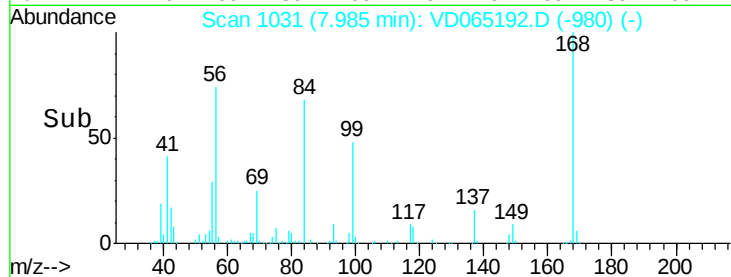
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.733 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065192.D

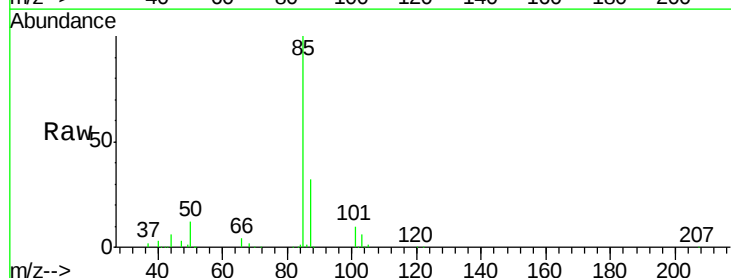
Acq: 17 Feb 2020 10:26

Tgt Ion: 85 Resp: 201610

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

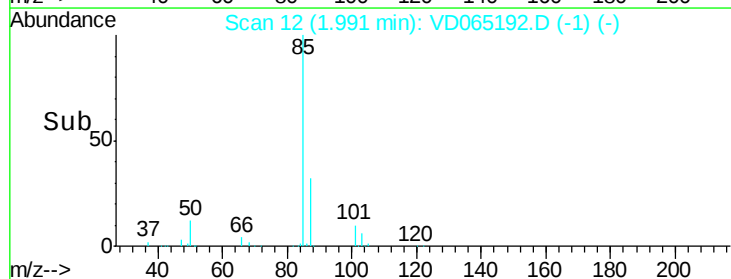
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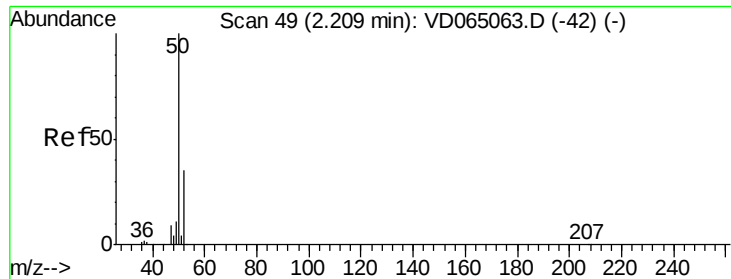
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 52.924 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 242792

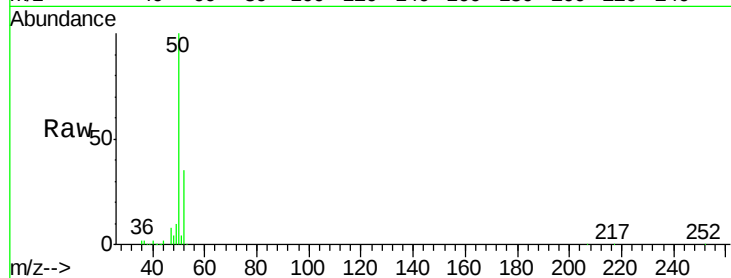
Ion Ratio Lower Upper

50 100

52 35.1 27.8 41.6

Manual Integrations
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2/18/2020 10:58:43 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

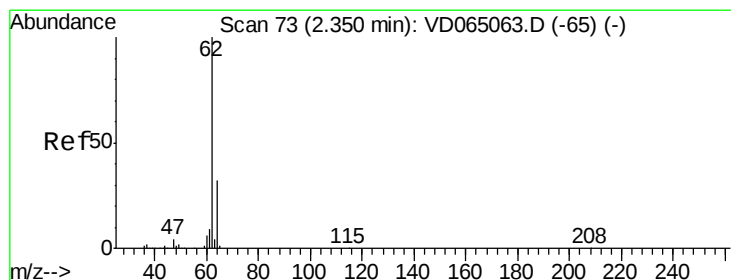
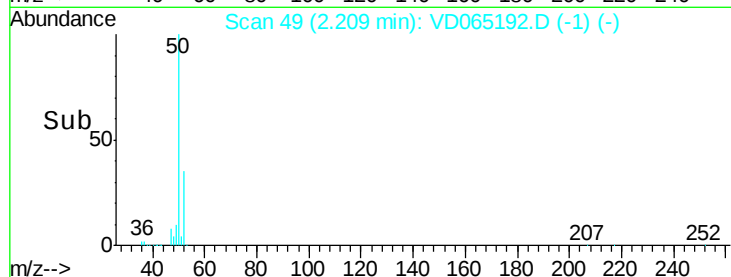
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.684 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065192.D

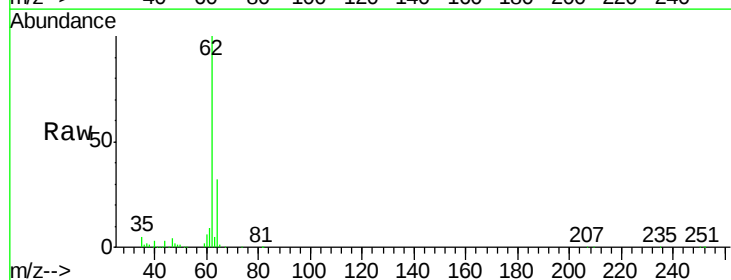
Acq: 17 Feb 2020 10:26

Tgt Ion: 62 Resp: 245903

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

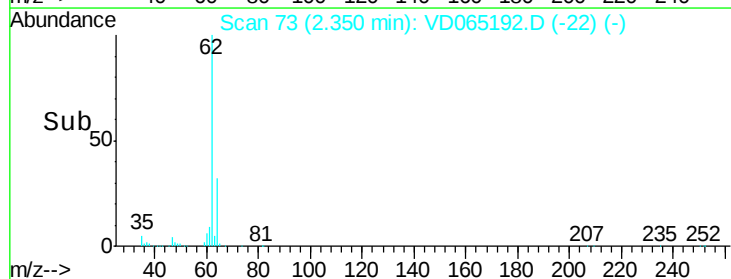
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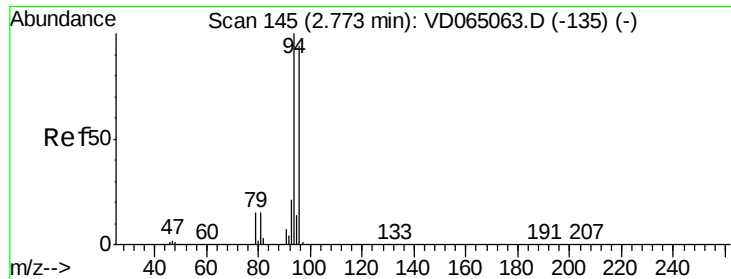
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50000

0

Time-->





#5

Bromomethane

Concen: 45.893 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 144372

Ion Ratio Lower Upper

94 100

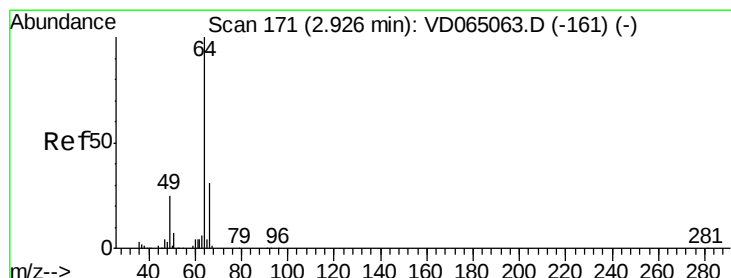
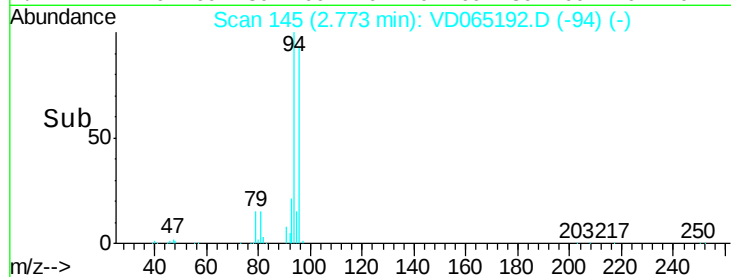
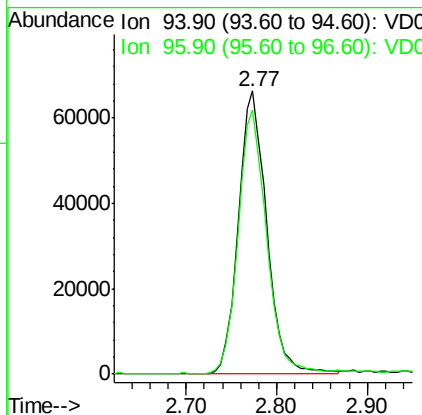
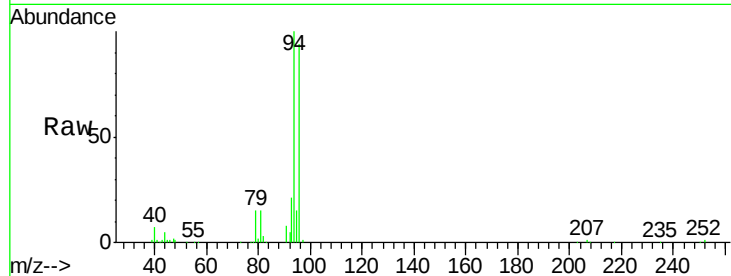
96 93.5 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 51.786 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065192.D

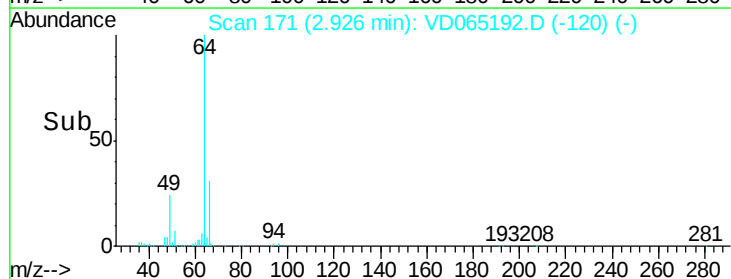
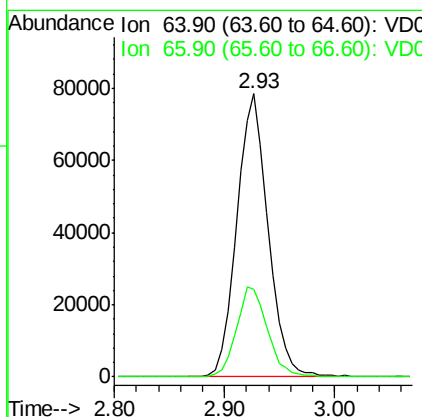
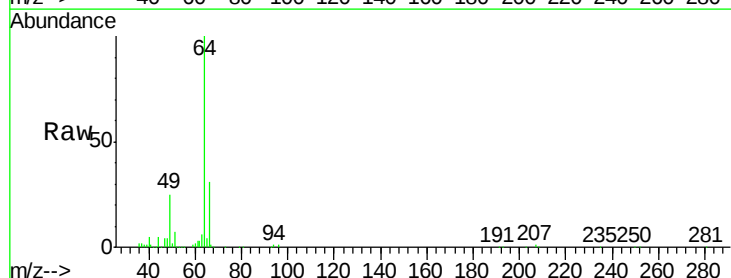
Acq: 17 Feb 2020 10:26

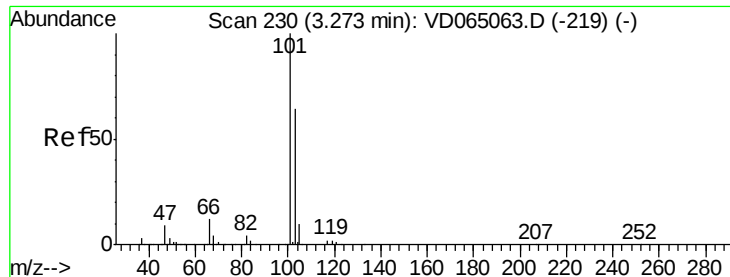
Tgt Ion: 64 Resp: 155854

Ion Ratio Lower Upper

64 100

66 30.9 24.8 37.2





#7

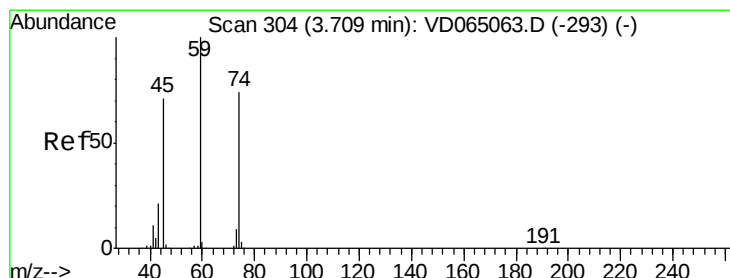
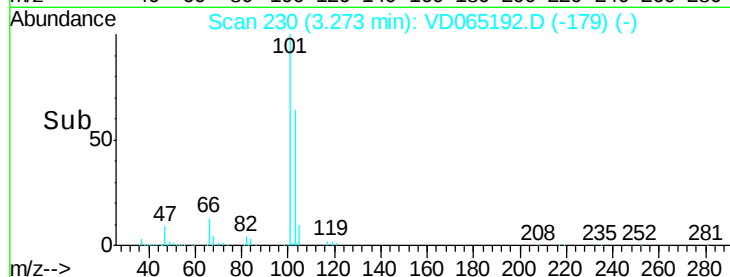
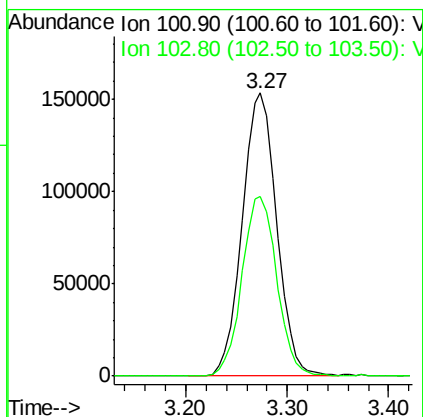
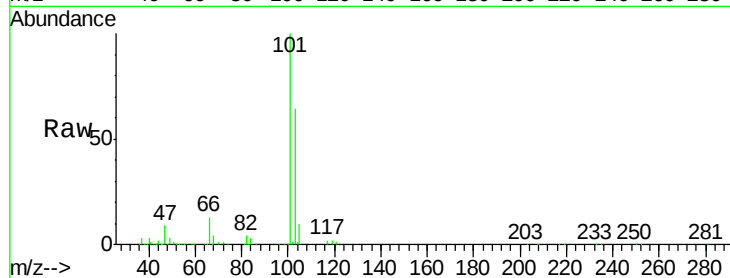
Trichlorofluoromethane
Concen: 51.201 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.6

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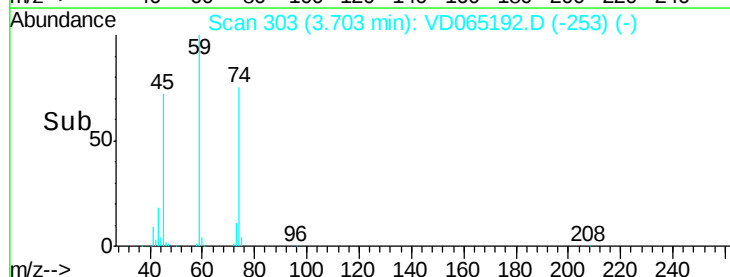
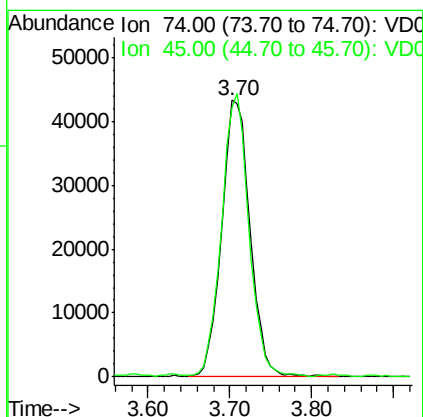
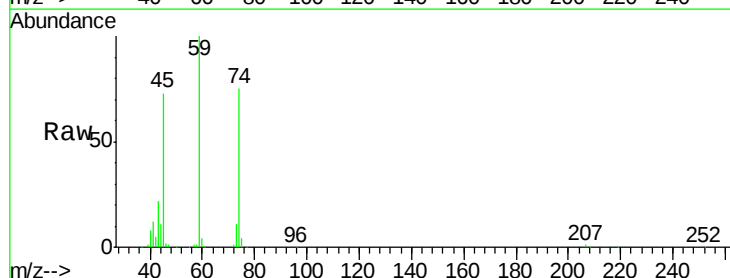
MMDadoda
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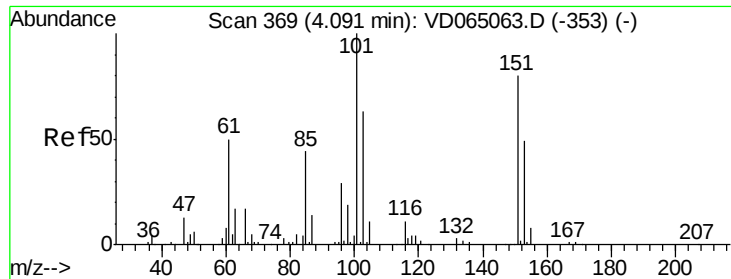


#8

Diethyl Ether
Concen: 51.710 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065192.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.166 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065192.D

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MSVOA_D

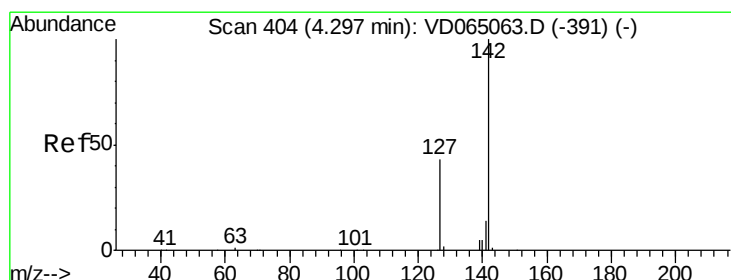
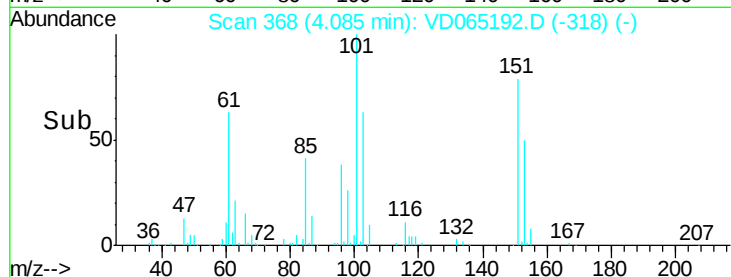
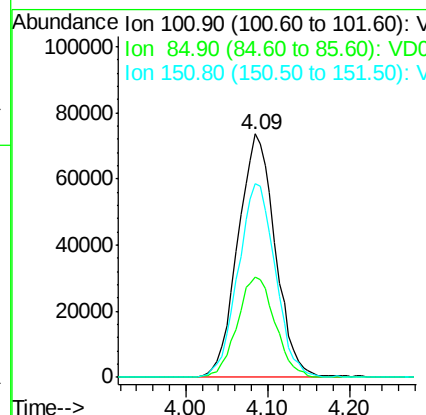
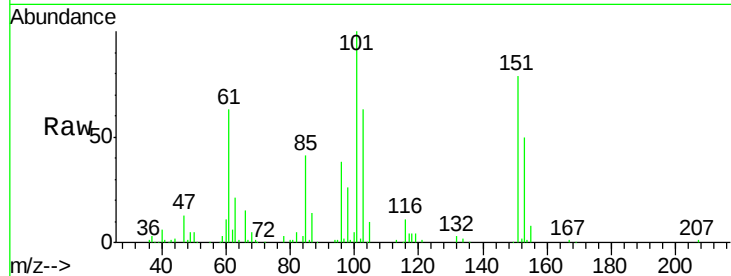
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	233799
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.0	51.0
151	79.4	64.0	96.0

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#10

Methyl Iodide

Concen: 51.295 ug/l

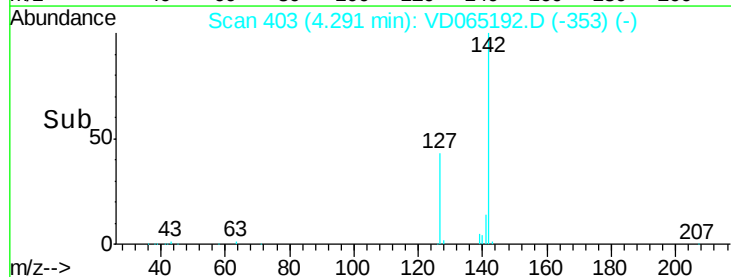
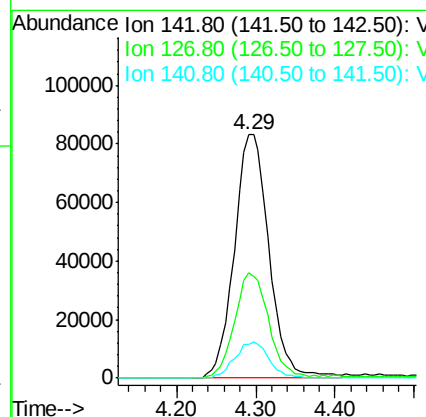
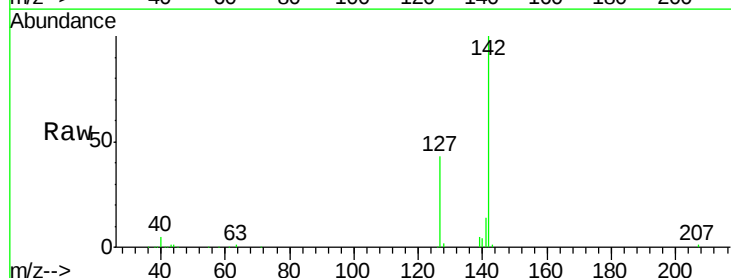
RT: 4.29 min Scan# 403

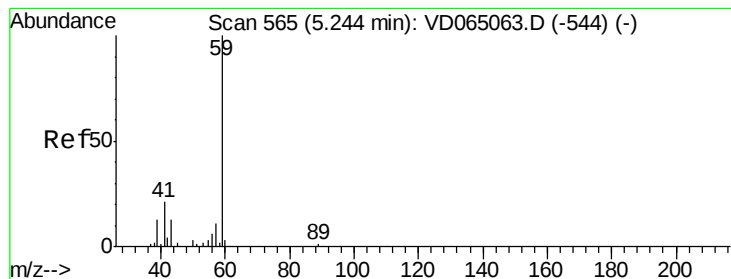
Delta R.T. -0.01 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Tgt Ion:	142	Resp:	252712
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.0	51.0
141	14.5	11.6	17.4





#11

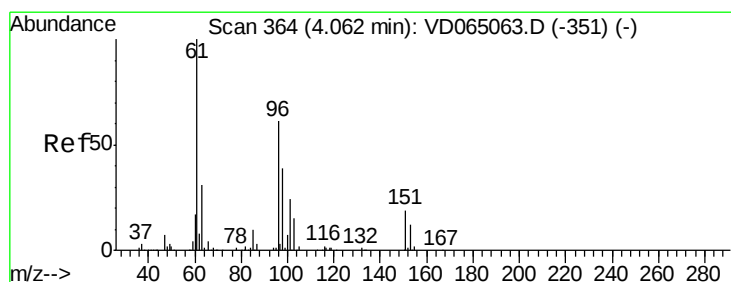
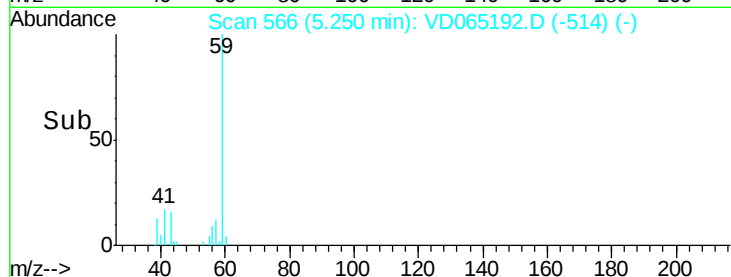
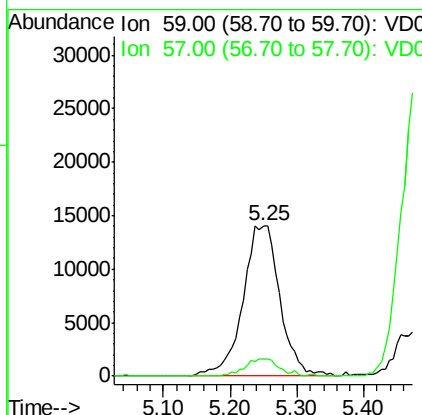
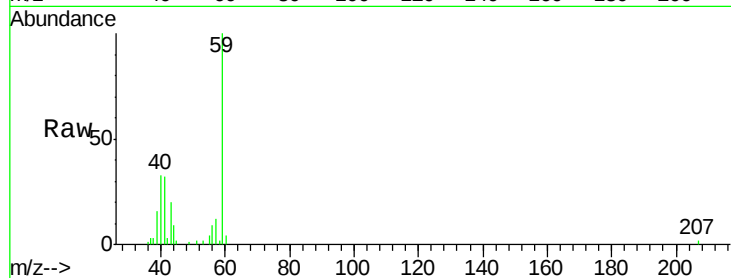
Tert butyl alcohol
Concen: 221.004 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.8	13.2

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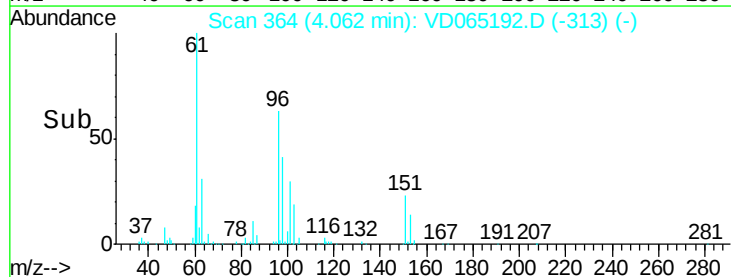
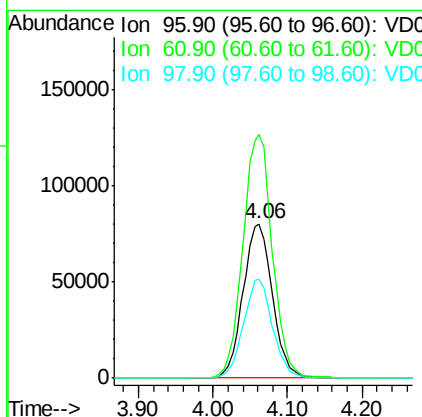
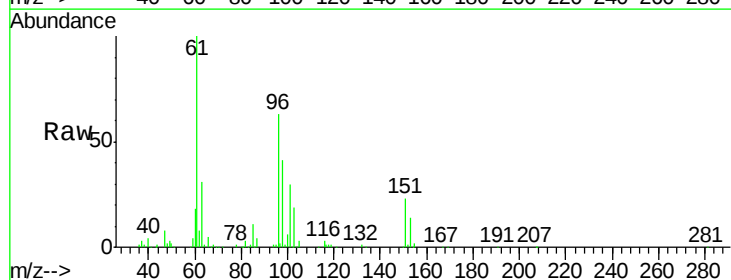
MMDadoda
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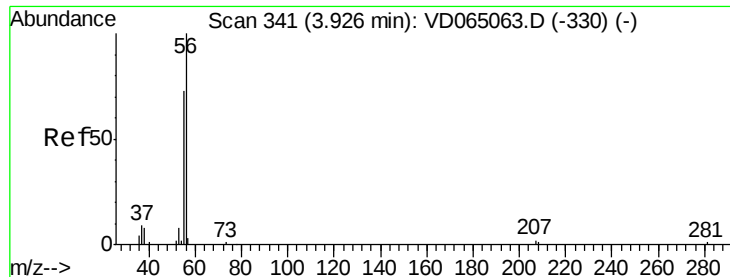


#12

1,1-Dichloroethene
Concen: 53.100 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	131.4	197.2
98	63.9	51.1	76.7





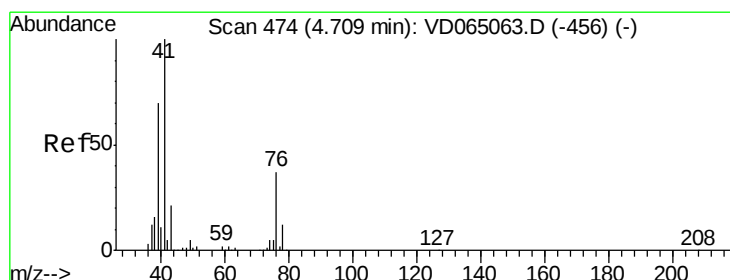
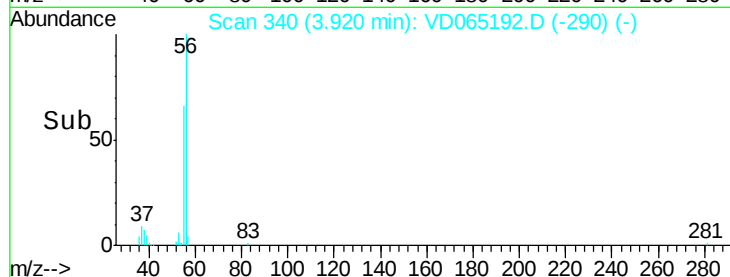
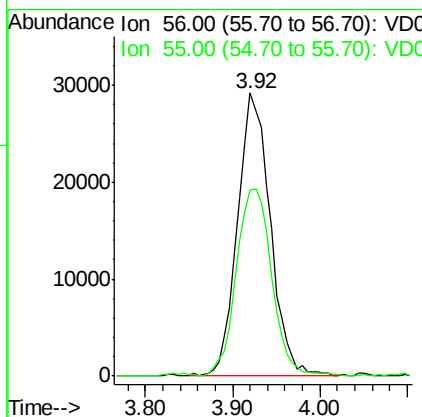
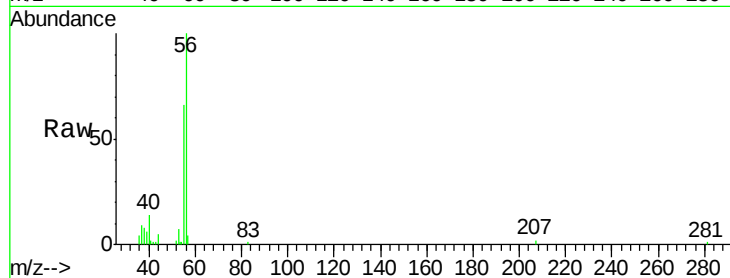
#13
Acrolein
Concen: 247.819 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	74127
Ion Ratio	100	Lower	Upper
55	71.7	58.2	87.2

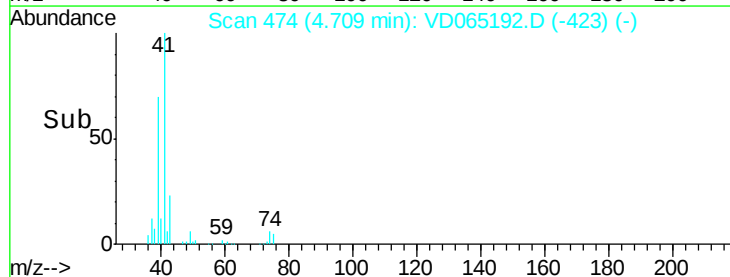
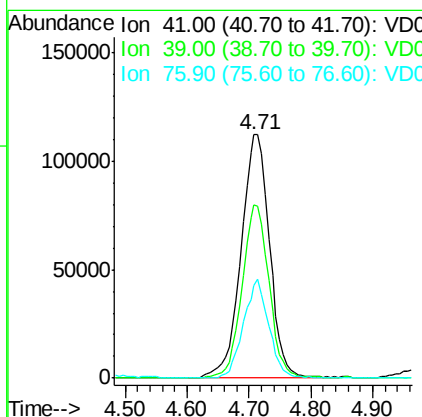
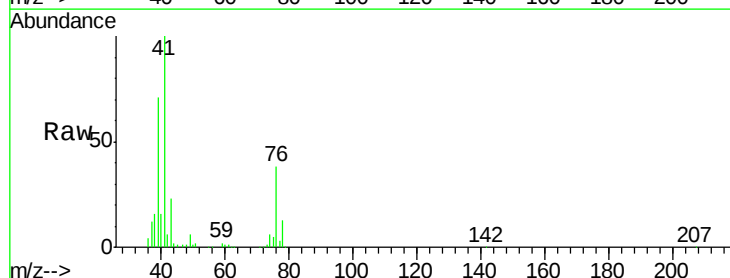
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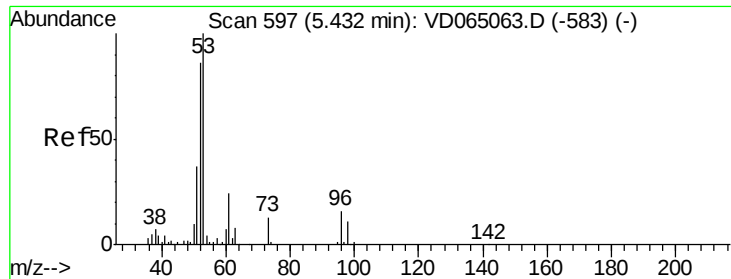
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#14
Allyl chloride
Concen: 52.657 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	41	Resp	361776
Ion Ratio	100	Lower	Upper
39	67.3	57.1	85.7
76	35.5	28.0	42.0





#15

Acrylonitrile

Concen: 263.984 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

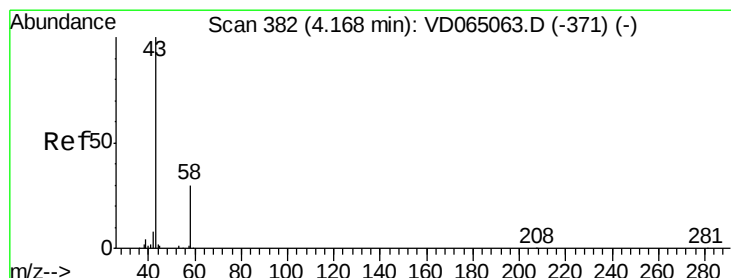
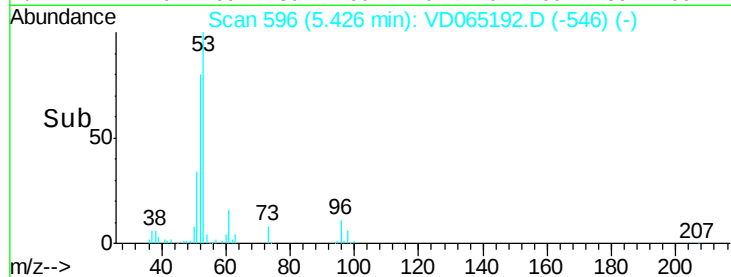
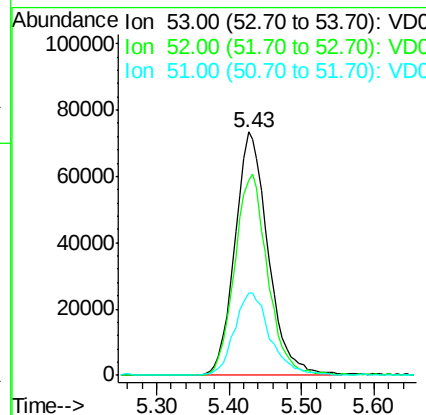
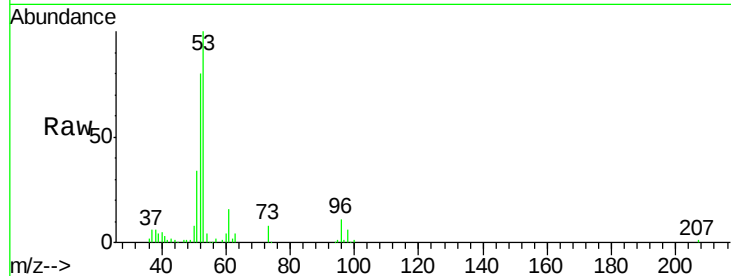
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	233933
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.2	99.2
51	36.7	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 299.729 ug/l

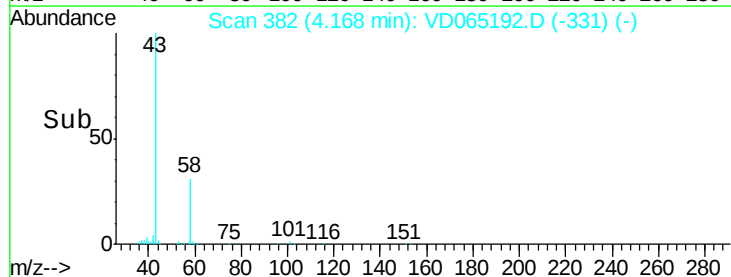
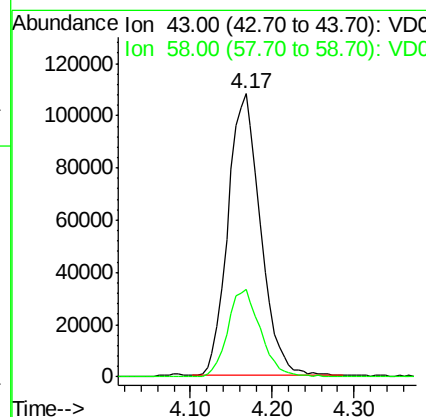
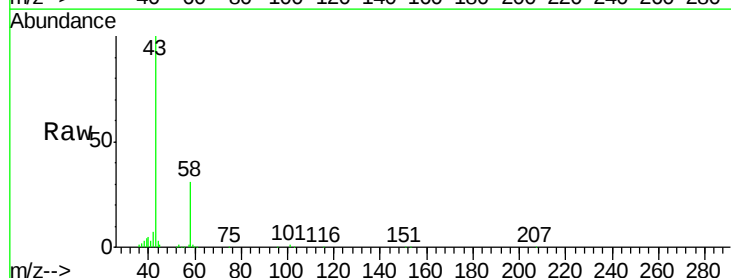
RT: 4.17 min Scan# 382

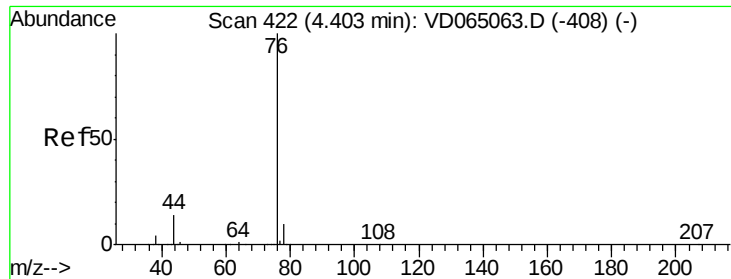
Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Tgt Ion:	43	Resp:	298272
Ion Ratio	Lower	Upper	
43	100		
58	31.2	23.5	35.3





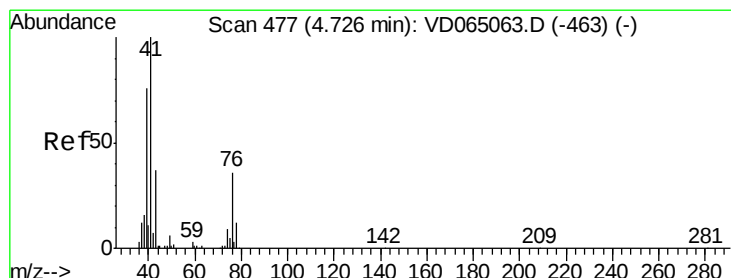
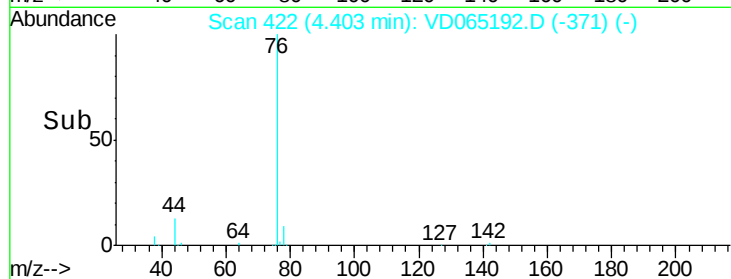
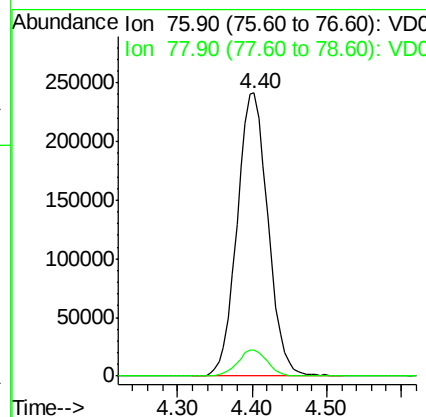
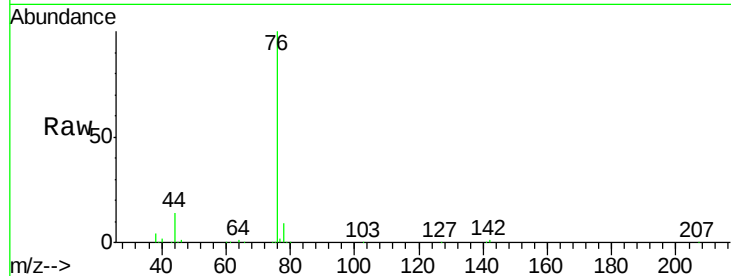
#17
Carbon Disulfide
Concen: 52.244 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

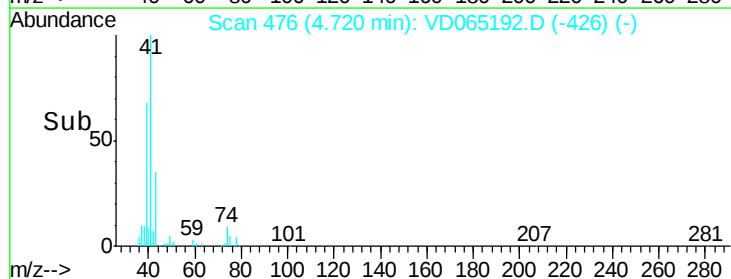
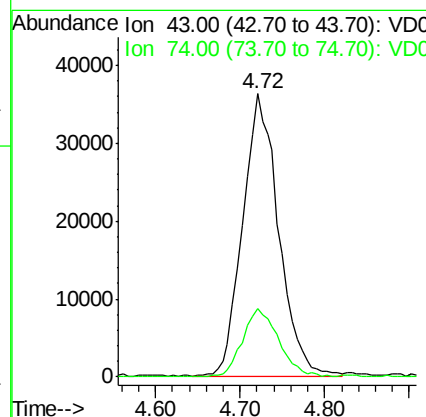
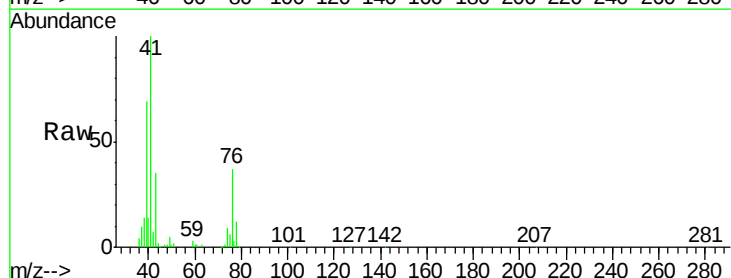
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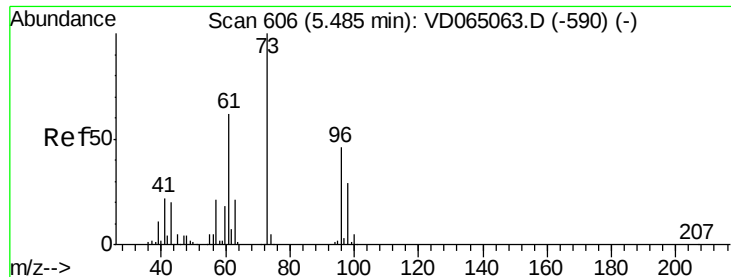
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#18
Methyl Acetate
Concen: 51.957 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.7	28.1





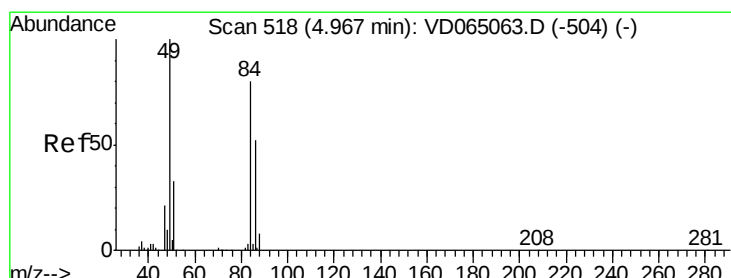
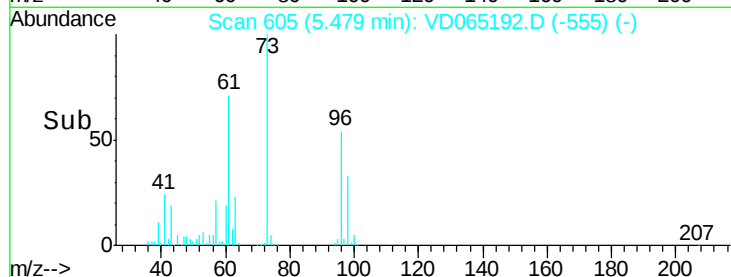
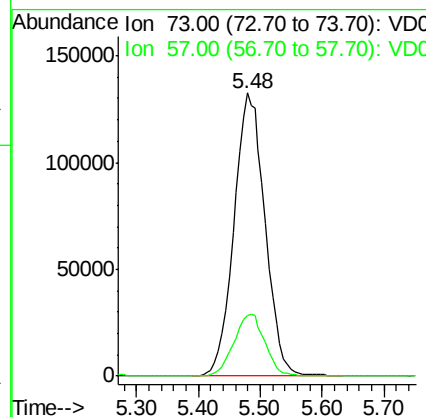
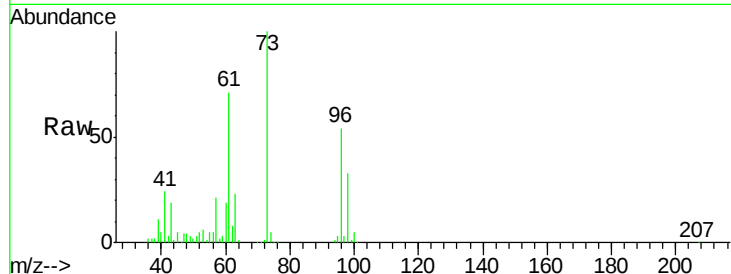
#19
Methyl tert-butyl Ether
Concen: 50.544 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 462047
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2

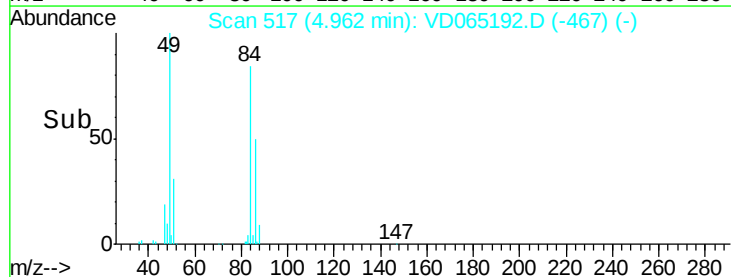
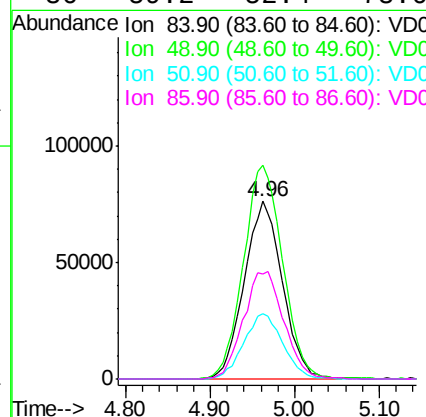
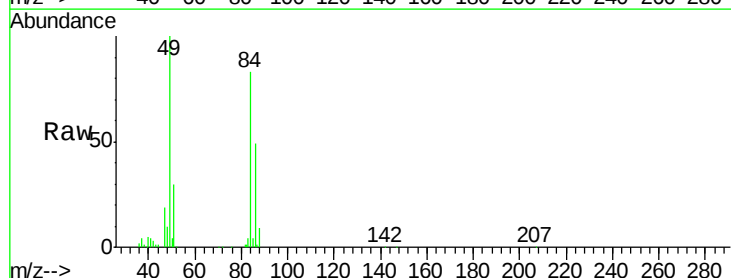
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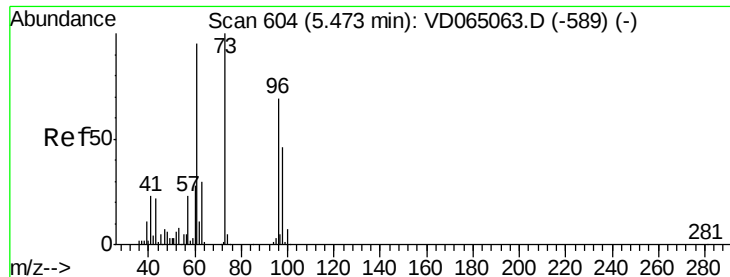
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#20
Methylene Chloride
Concen: 55.040 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion: 84 Resp: 239433
Ion Ratio Lower Upper
84 100
49 120.2 100.4 150.6
51 36.5 32.7 49.1
86 59.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 53.224 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

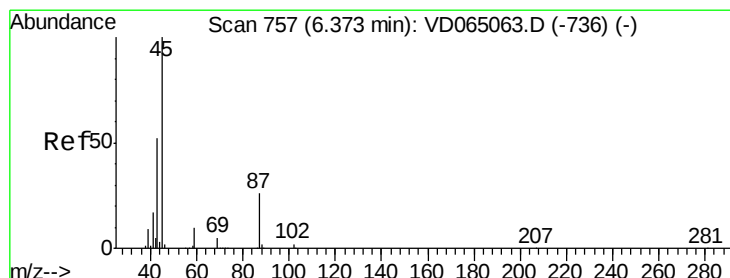
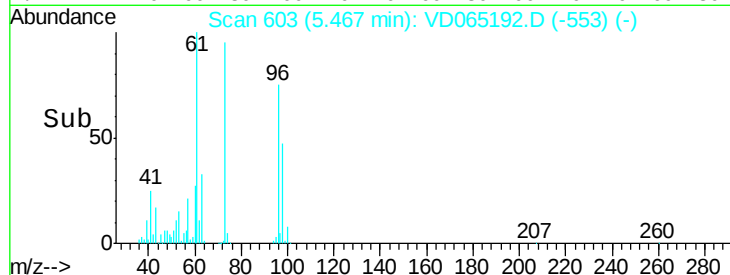
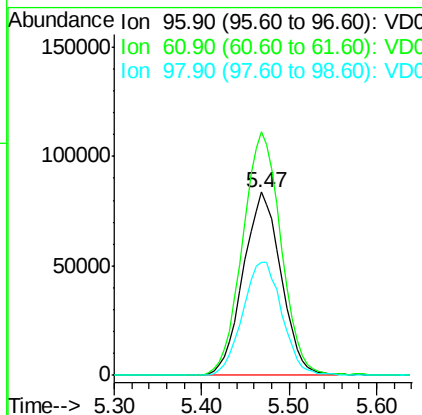
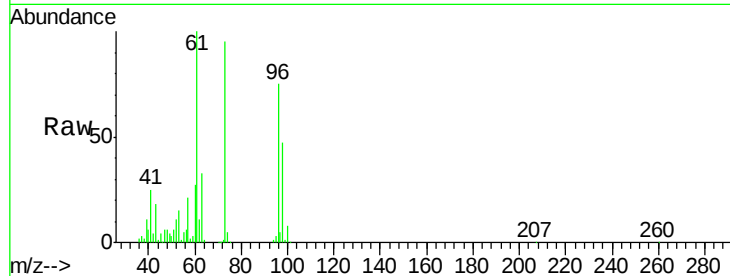
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	248928
Ion	Ratio	Lower	Upper
96	100		
61	133.1	109.5	164.3
98	62.0	53.7	80.5

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#22

Diisopropyl ether

Concen: 54.446 ug/l

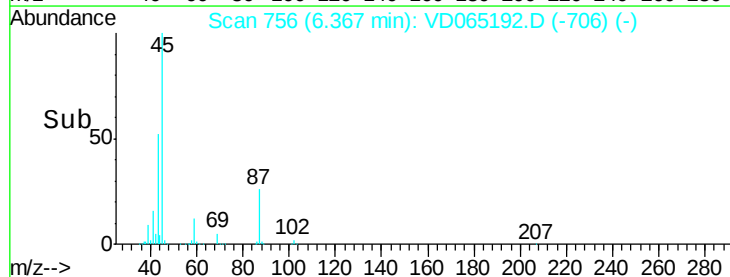
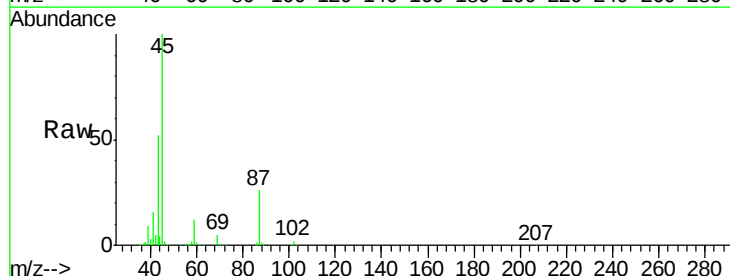
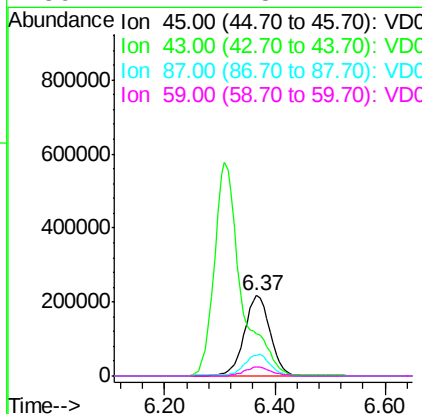
RT: 6.37 min Scan# 756

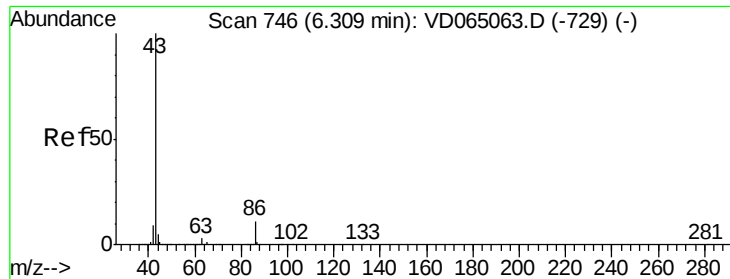
Delta R.T. -0.01 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Tgt Ion:	45	Resp:	705589
Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.3	61.9
87	25.6	21.0	31.6
59	11.4	8.2	12.4





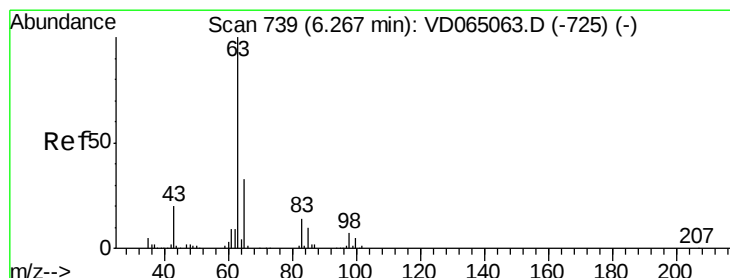
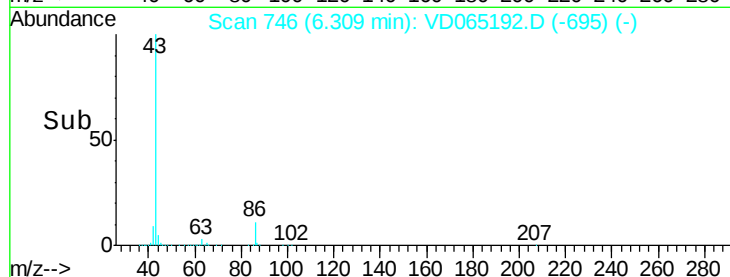
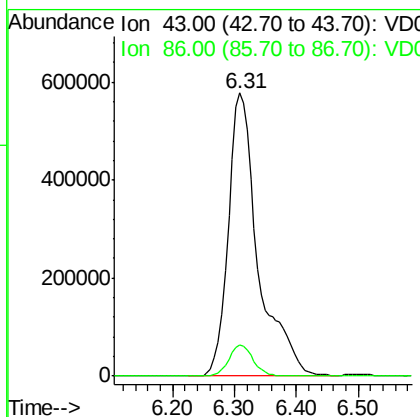
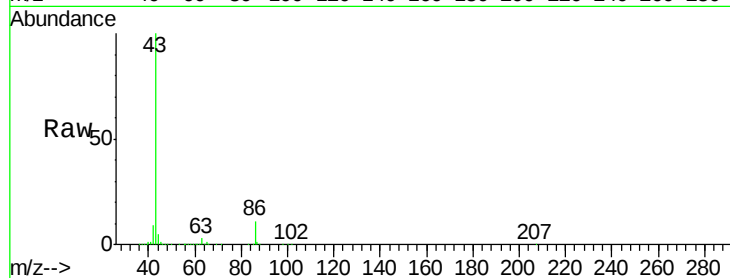
#23
 Vinyl Acetate
 Concen: 268.593 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1940125
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.5 12.7

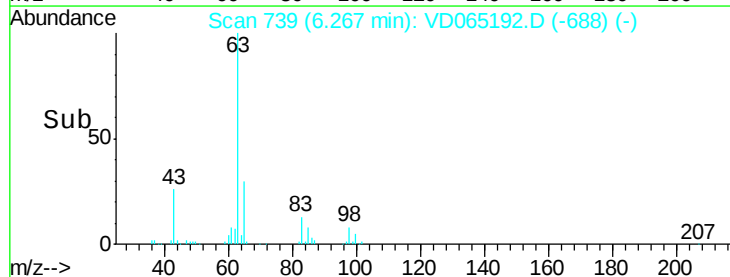
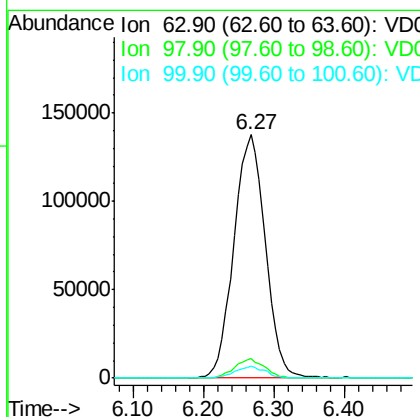
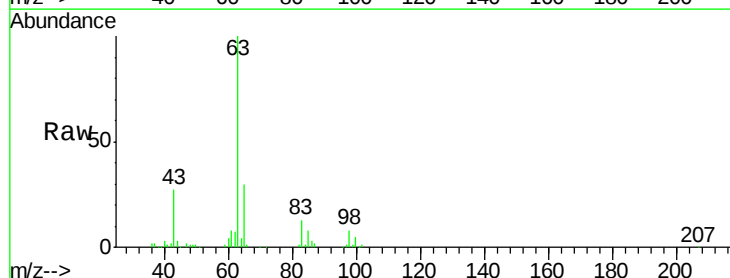
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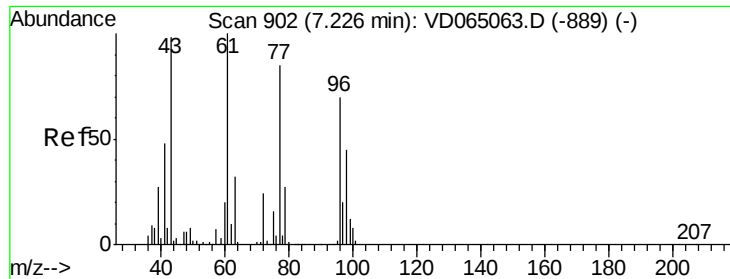
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#24
 1,1-Dichloroethane
 Concen: 54.477 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion: 63 Resp: 427320
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.5 10.4
 100 5.1 2.5 7.6





#25

2-Butanone

Concen: 281.198 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 333797

Ion Ratio Lower Upper

43 100

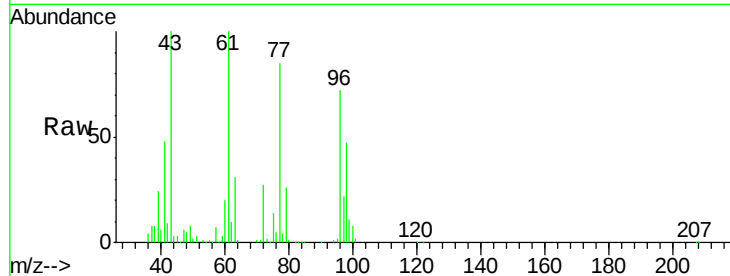
72 27.2 19.9 29.9

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

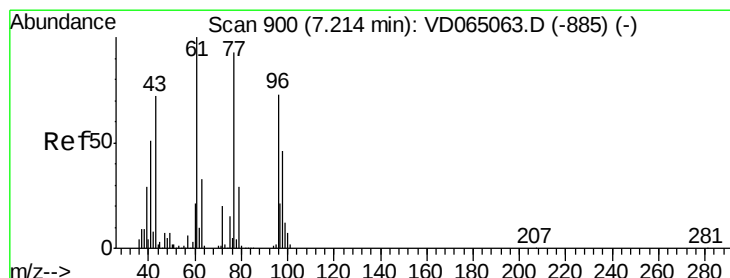
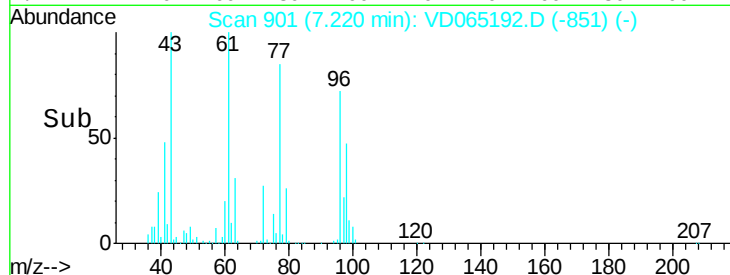
100000

50000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#26

2,2-Dichloropropane

Concen: 53.719 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065192.D

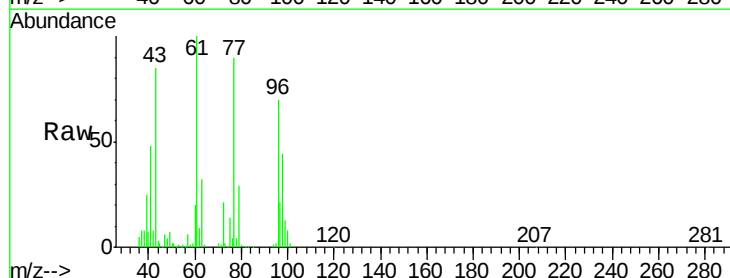
Acq: 17 Feb 2020 10:26

Tgt Ion: 77 Resp: 377689

Ion Ratio Lower Upper

77 100

97 23.4 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

150000

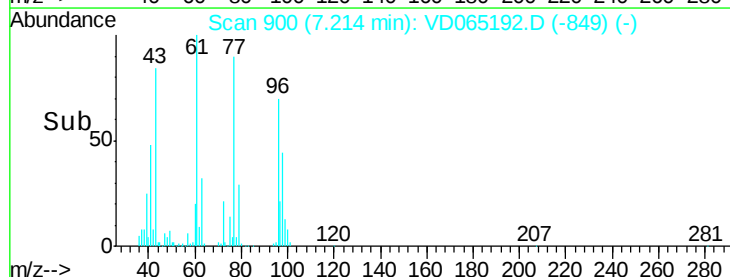
100000

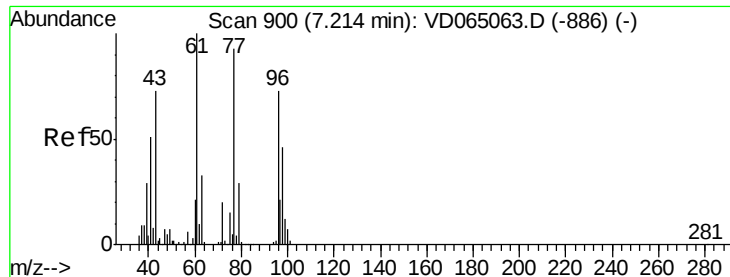
50000

0

7.10 7.20 7.30 7.40

Time-->





#27

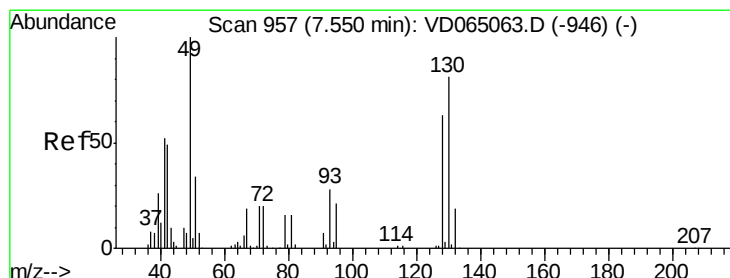
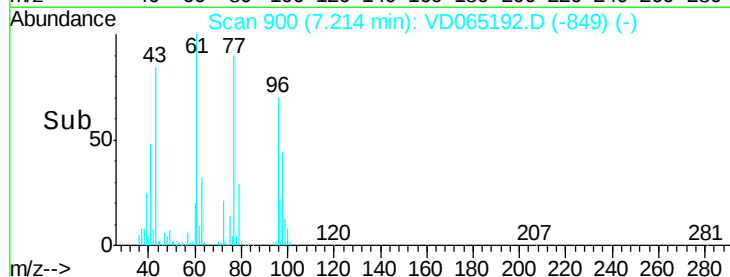
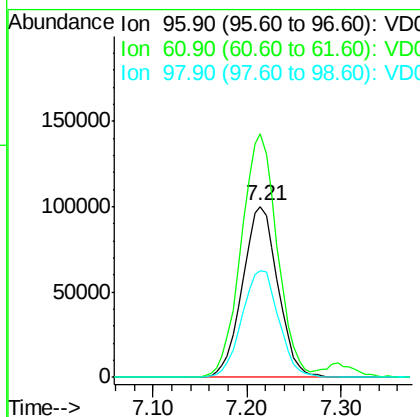
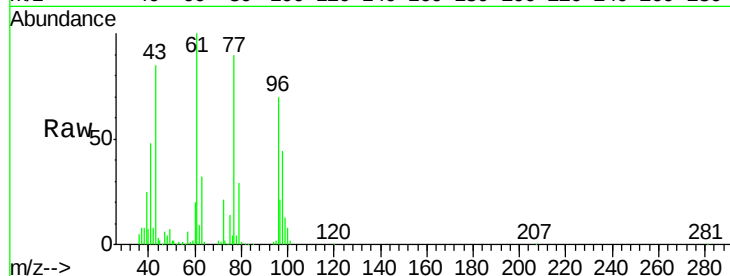
cis-1,2-Dichloroethene
 Concen: 52.723 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	261966		
61	144.3	0.0	292.8	
98	64.6	0.0	128.8	

Manual Integrations
 APPROVED

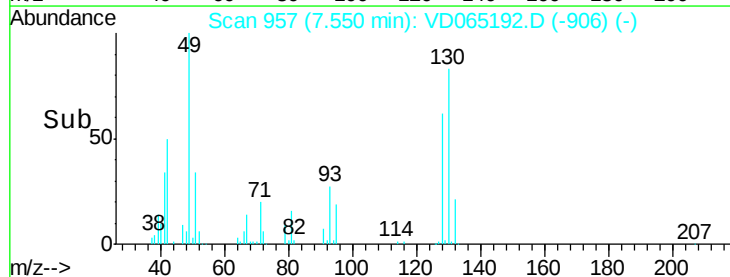
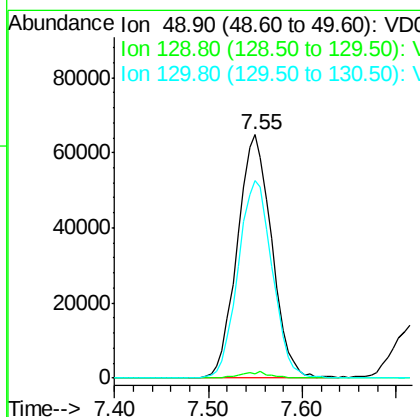
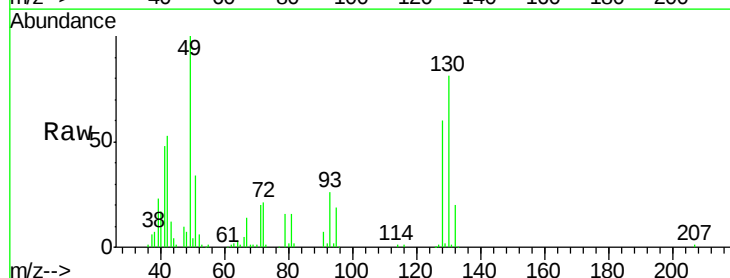
MMDadoda
 2/18/2020 10:58:43 AM

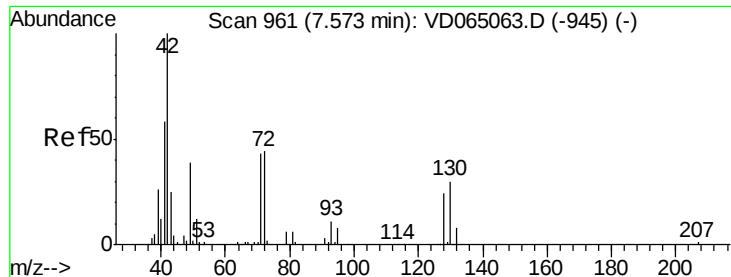


#28

Bromochloromethane
 Concen: 55.300 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	164434		
129	2.2	0.0	4.4	
130	80.6	63.8	95.8	





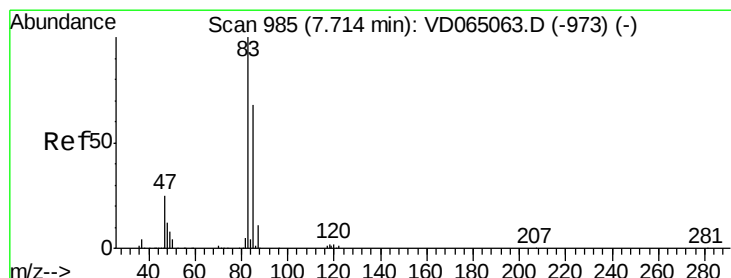
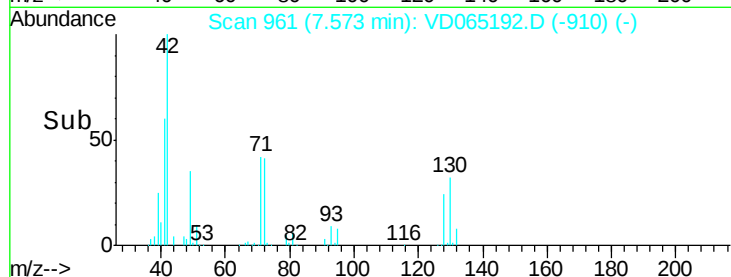
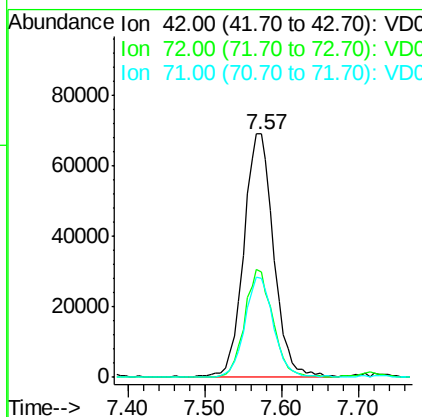
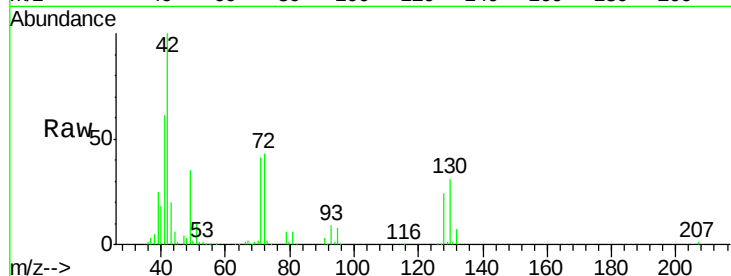
#29
Tetrahydrofuran
Concen: 262.797 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.2	51.4
71	39.2	31.8	47.6

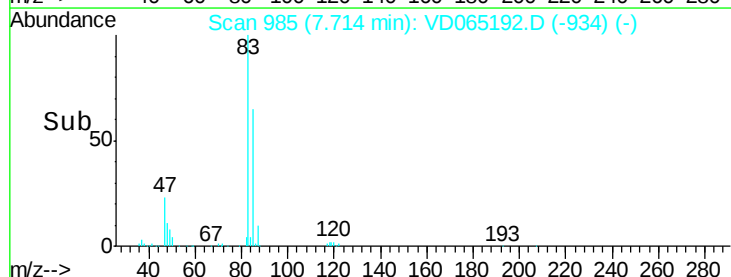
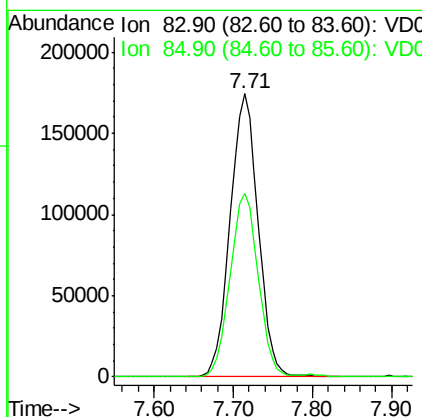
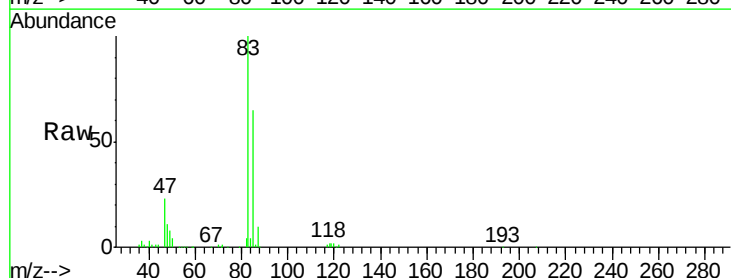
Manual Integrations
APPROVED

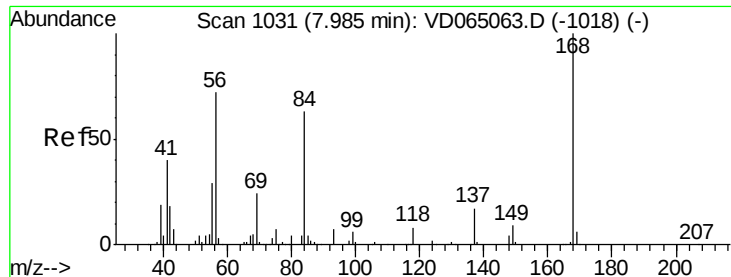
MMDadoda
2/18/2020 10:58:43 AM



#30
Chloroform
Concen: 54.535 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4





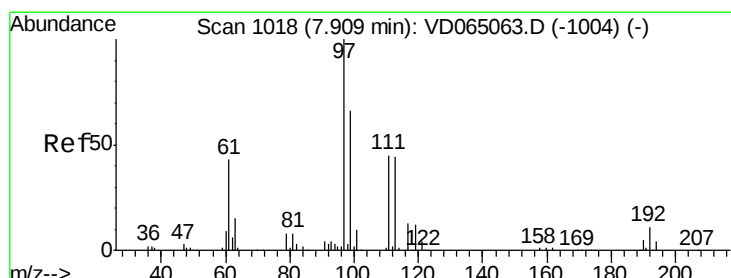
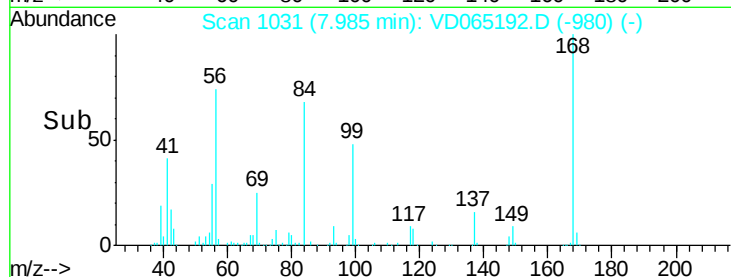
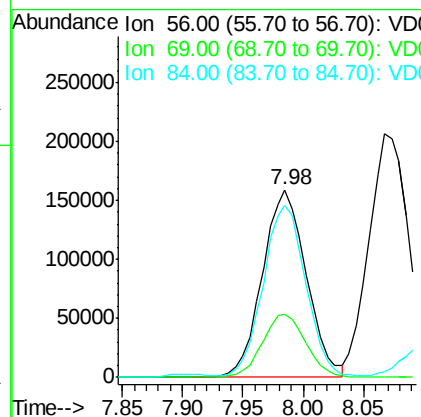
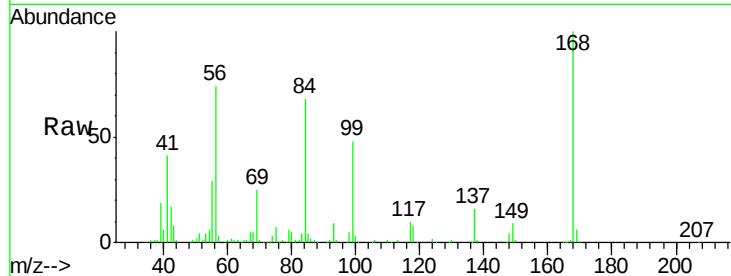
#31
Cyclohexane
Concen: 50.688 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.6	40.0
84	90.6	70.6	106.0

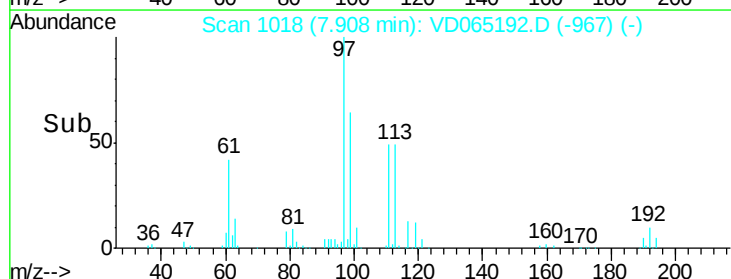
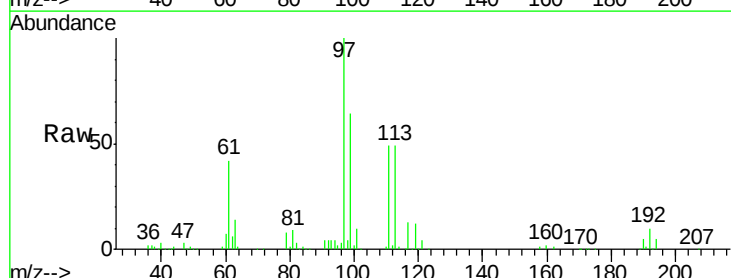
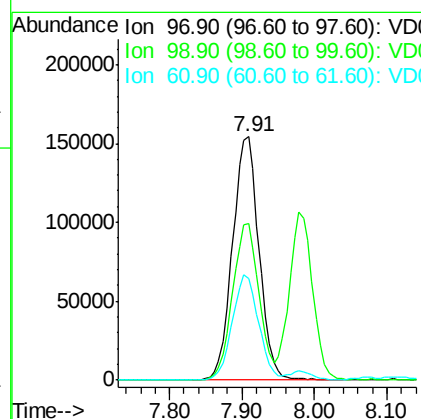
Manual Integrations
APPROVED

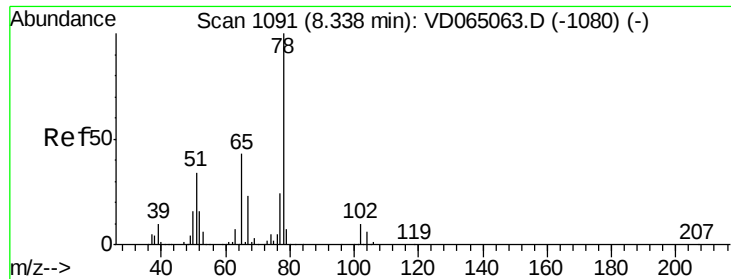
MMDadoda
2/18/2020 10:58:43 AM



#32
1,1,1-Trichloroethane
Concen: 53.967 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	42.7	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 52.831 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 210283

Ion Ratio Lower Upper

65 100

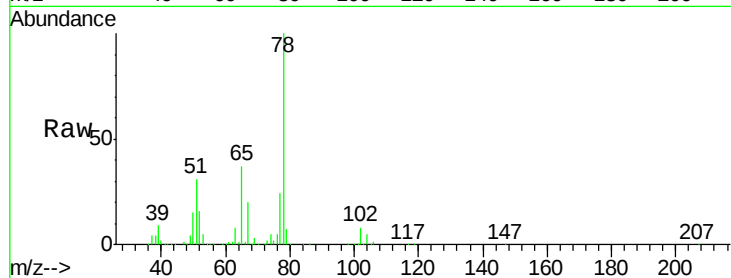
67 53.8 0.0 105.8

Manual Integrations

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MMDadoda

2/18/2020 10:58:43 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

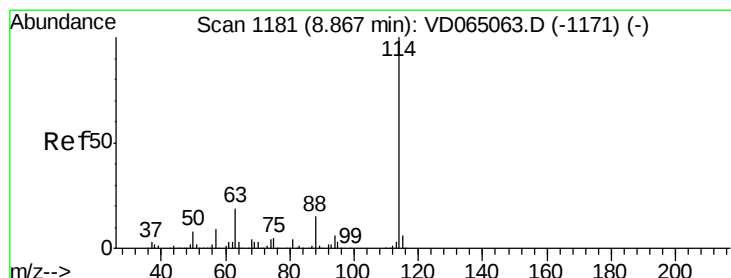
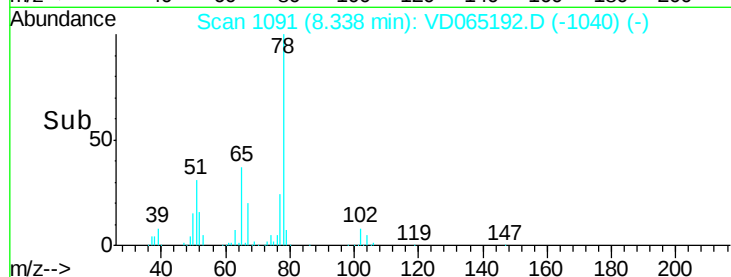
60000

40000

20000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

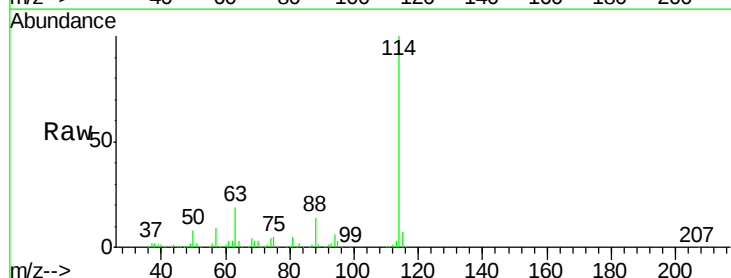
Tgt Ion: 114 Resp: 678001

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

88 14.2 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

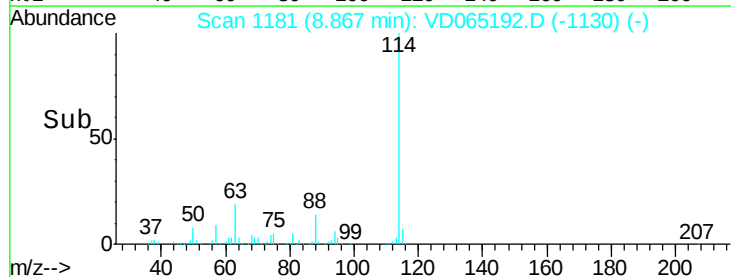
300000

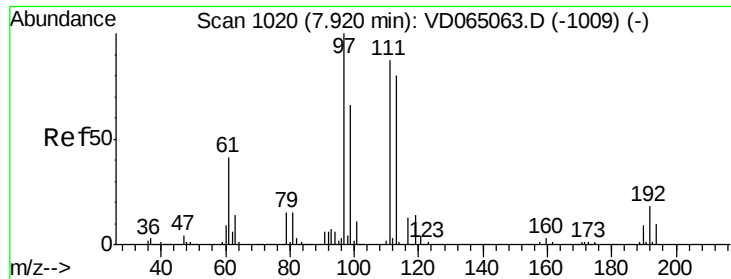
200000

100000

0

Time--> 8.80 8.90 9.00





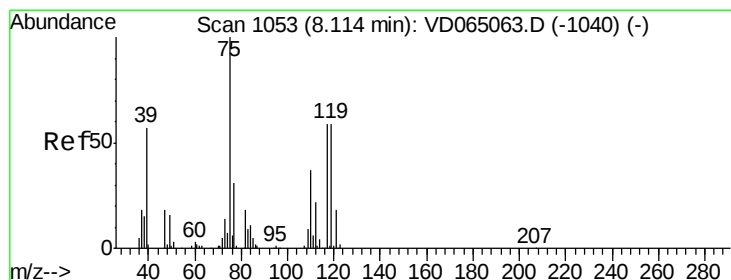
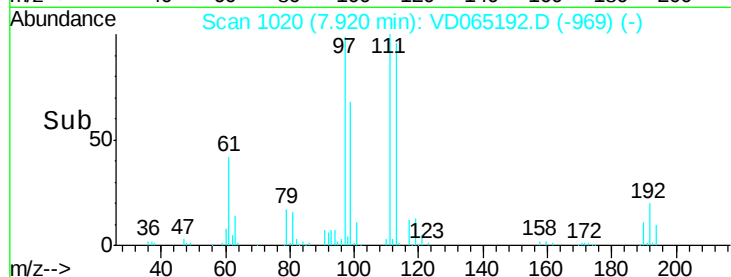
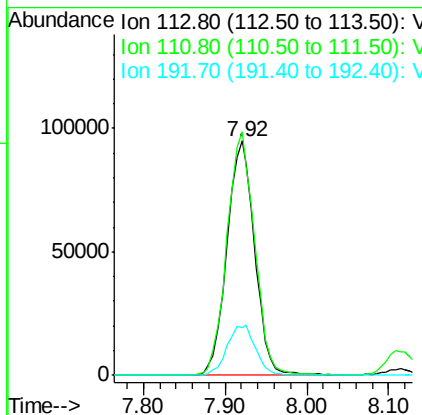
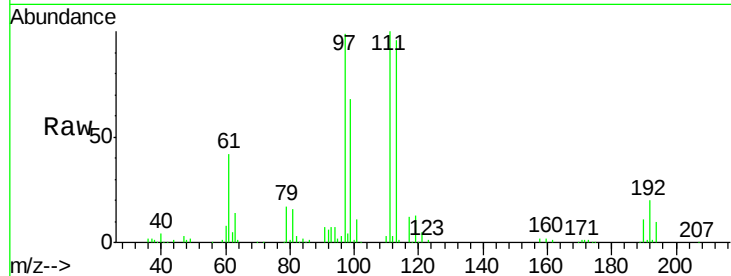
#35
Dibromofluoromethane
Concen: 59.071 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223455		
111	103.8	83.1	124.7	
192	22.0	18.1	27.1	

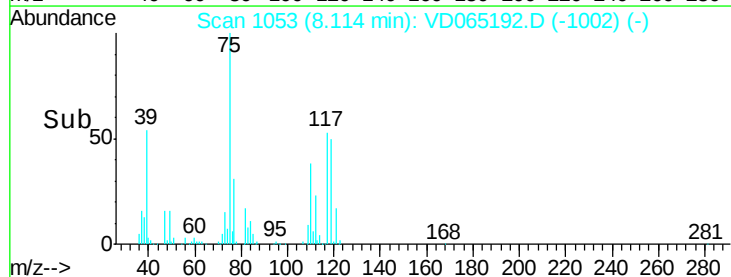
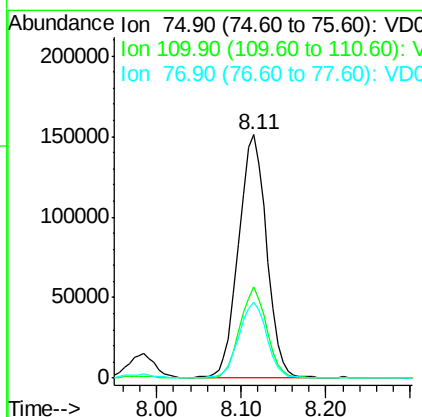
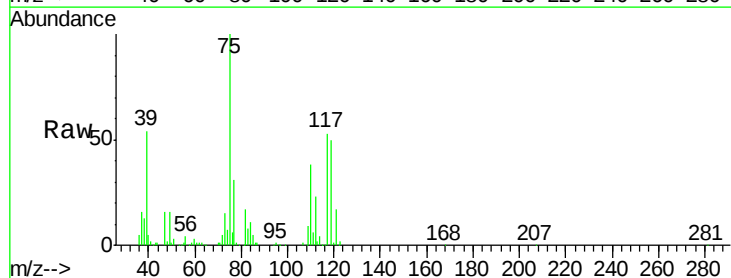
Manual Integrations
APPROVED

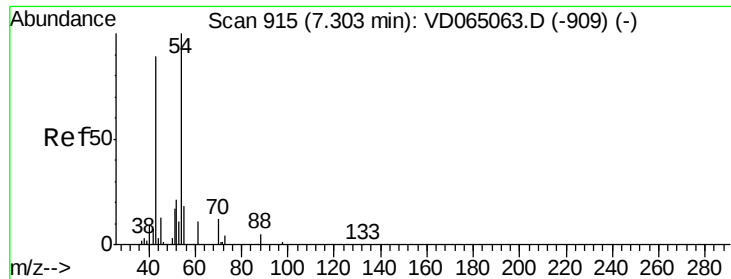
MMDadoda
2/18/2020 10:58:43 AM



#36
1,1-Dichloropropene
Concen: 55.167 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	347794		
110	35.9	18.1	54.3	
77	30.8	24.7	37.1	





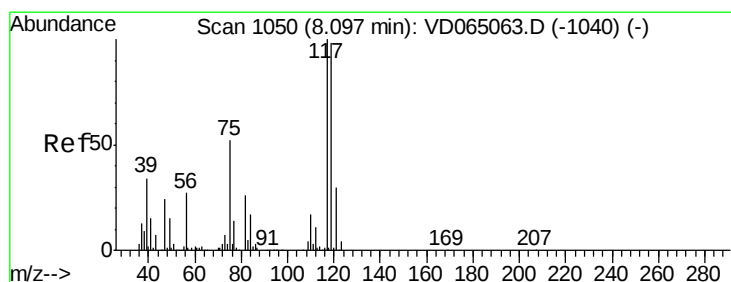
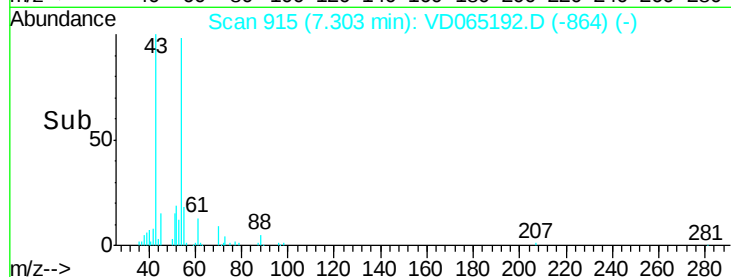
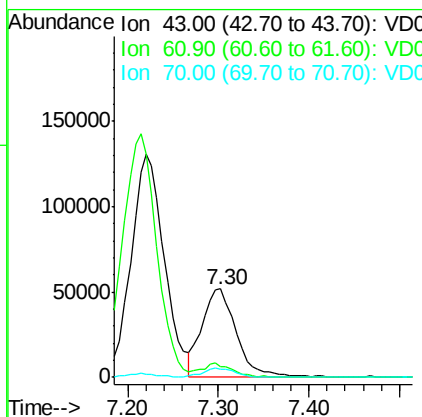
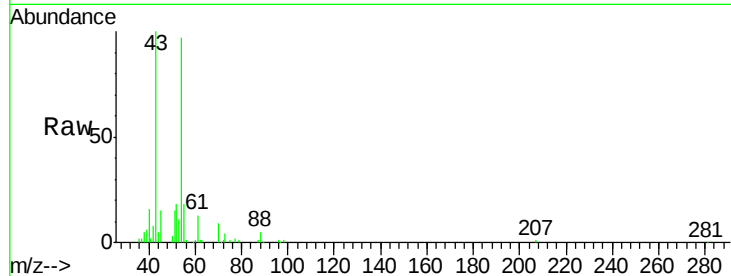
#37
Ethyl Acetate
Concen: 52.111 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.9	8.2	12.2

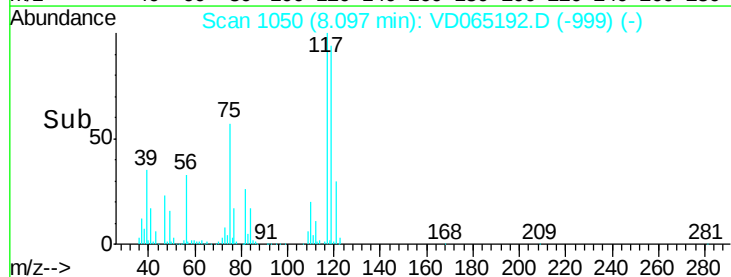
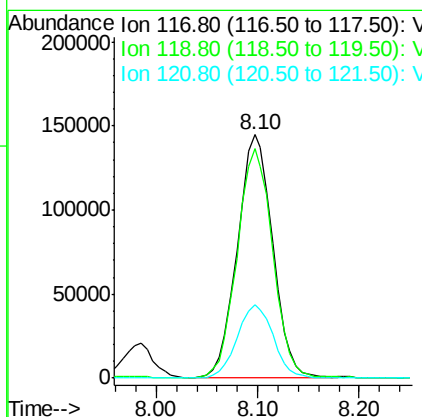
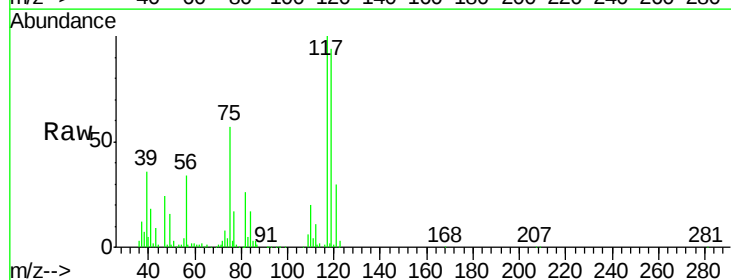
Manual Integrations
APPROVED

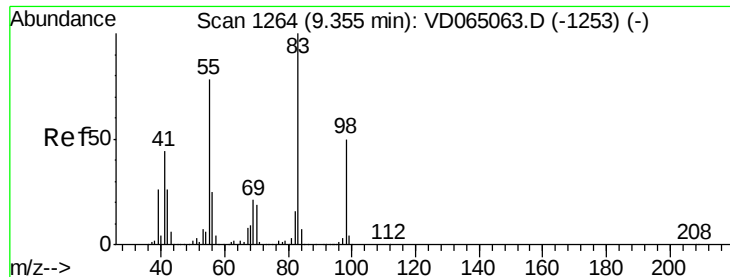
MMDadoda
2/18/2020 10:58:43 AM



#38
Carbon Tetrachloride
Concen: 54.092 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.5	117.7
121	30.2	23.8	35.6





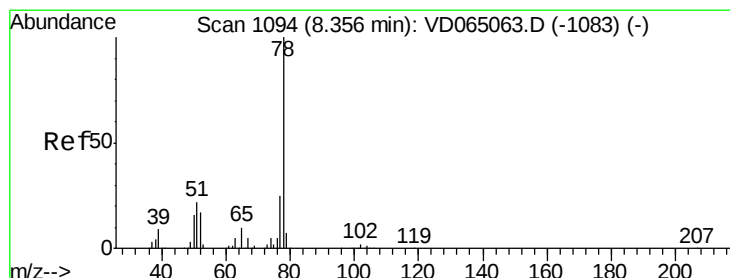
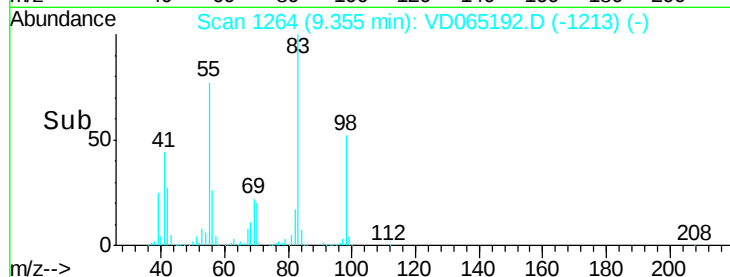
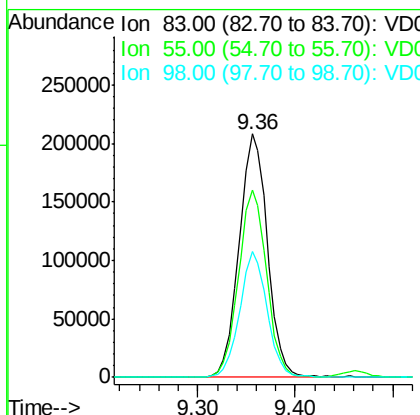
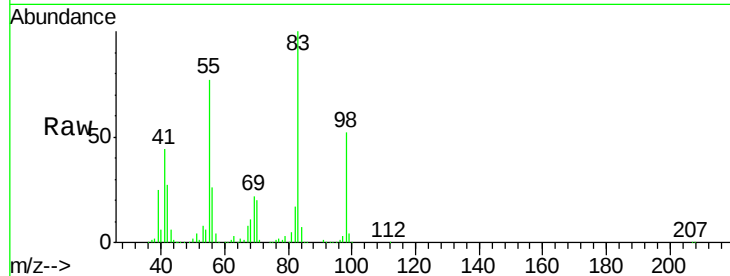
#39
Methvlcvclohexane
Concen: 54.259 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	62.0	93.0
98	51.8	39.9	59.9

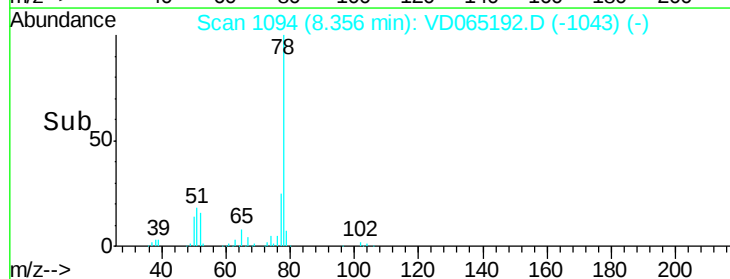
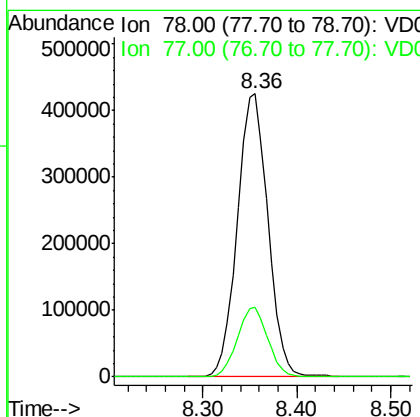
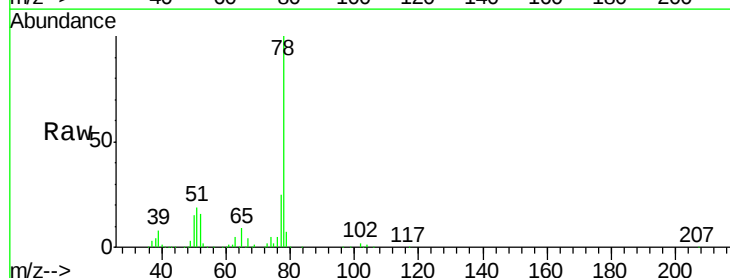
Manual Integrations
APPROVED

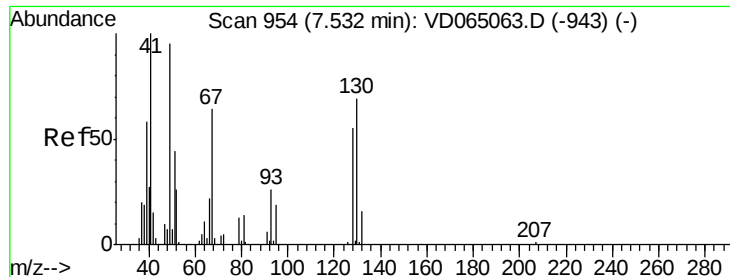
MMDadoda
2/18/2020 10:58:43 AM



#40
Benzene
Concen: 55.318 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





#41

Methacrylonitrile

Concen: 54.343 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 77109

Ion Ratio Lower Upper

41 100

39 53.0 55.4 83.0#

67 70.8 59.0 88.6

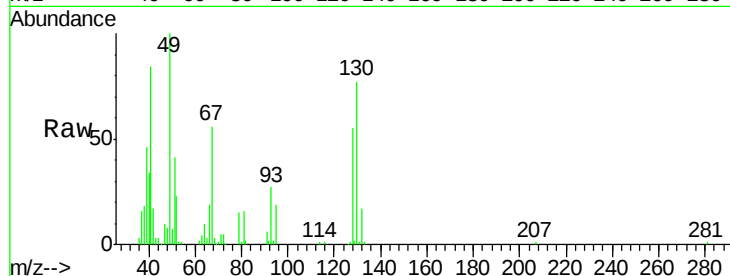
52 30.0 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

2/18/2020 10:58:43 AM

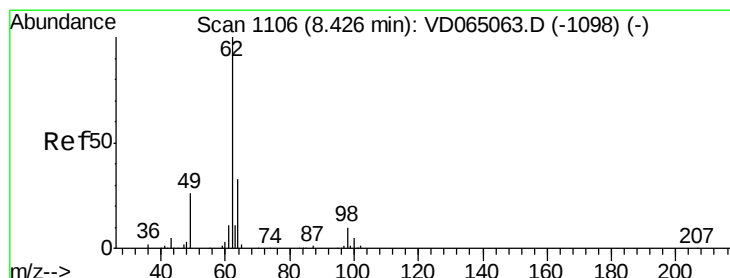
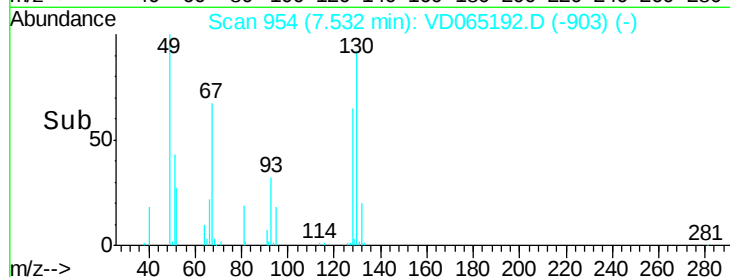
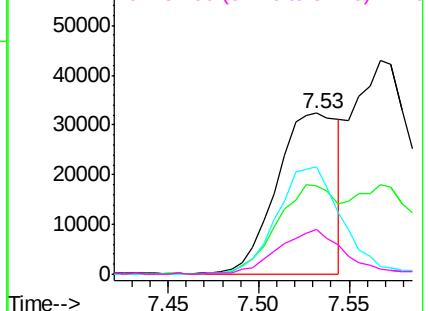


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 51.943 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD065192.D

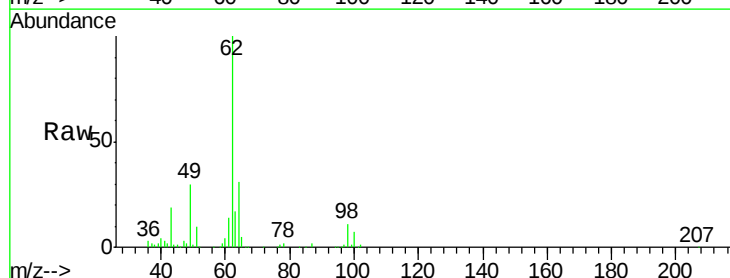
Acq: 17 Feb 2020 10:26

Tgt Ion: 62 Resp: 257669

Ion Ratio Lower Upper

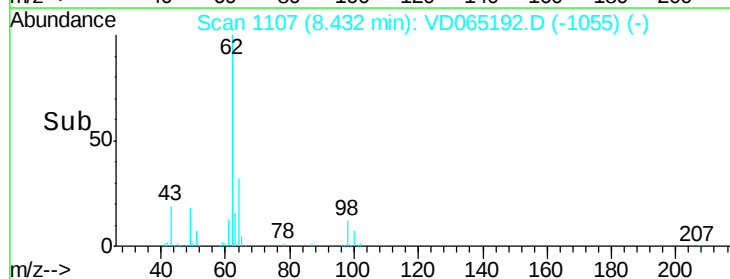
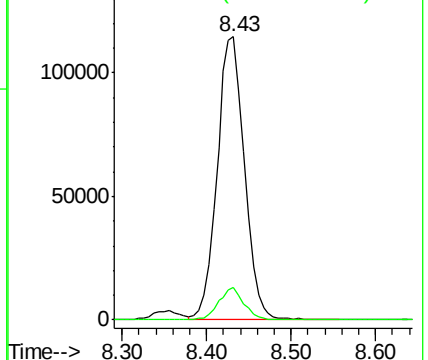
62 100

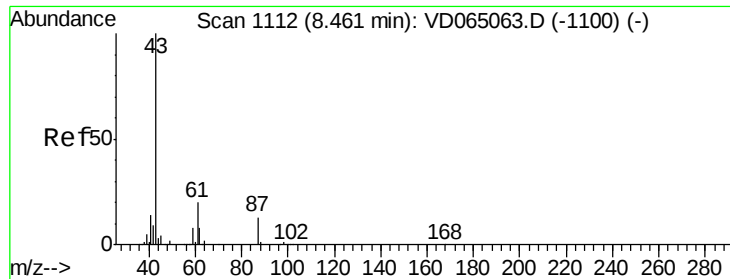
98 10.5 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

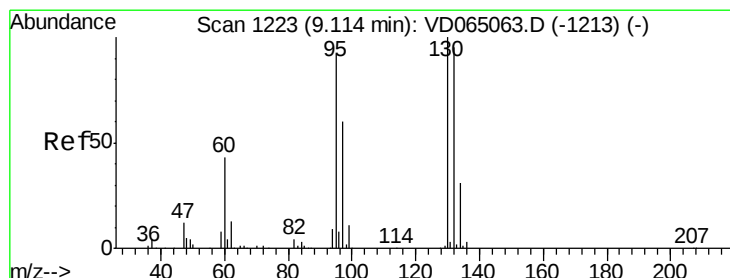
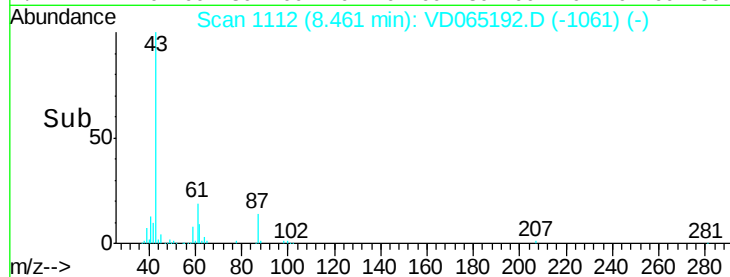
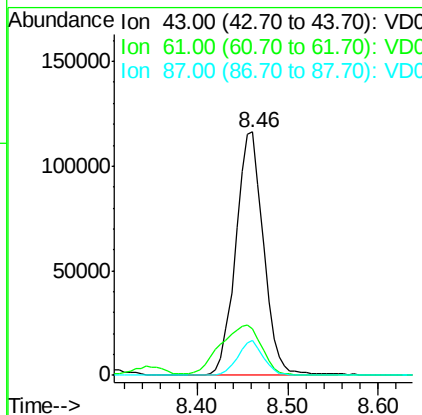
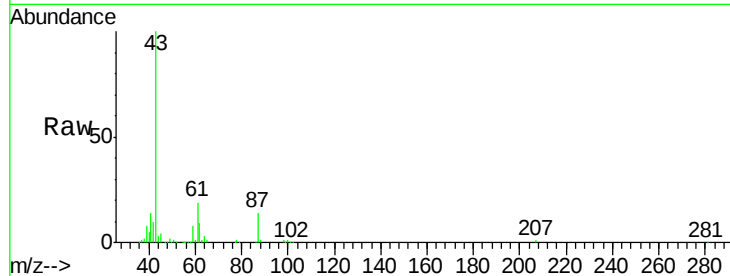
Isopropyl Acetate
 Concen: 50.369 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.0	36.0
87	13.2	10.2	15.4

Manual Integrations
 APPROVED

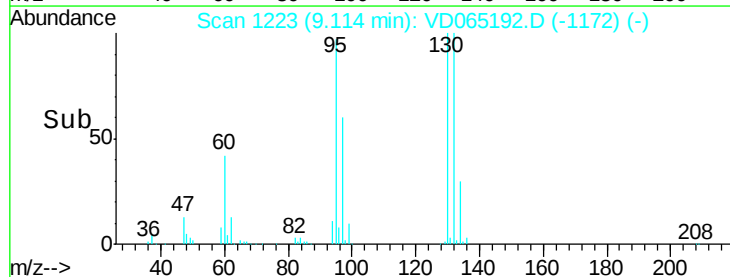
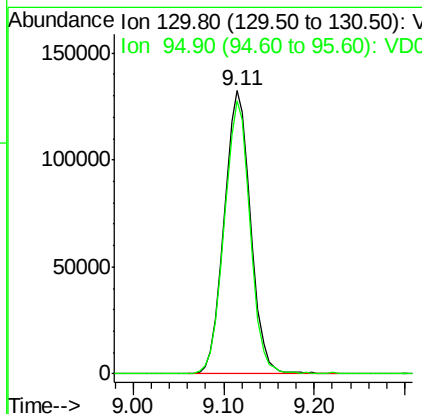
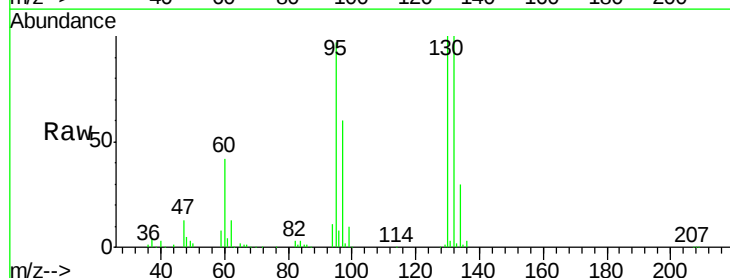
MMDadoda
 2/18/2020 10:58:43 AM

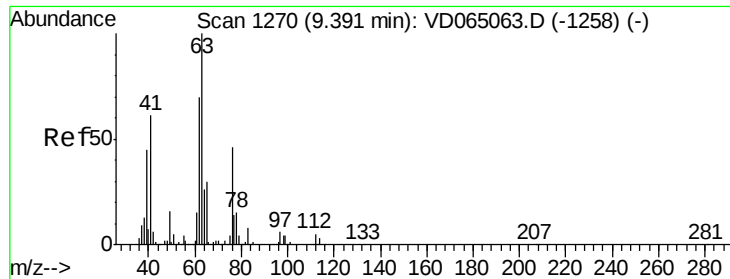


#44

Trichloroethene
 Concen: 53.537 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	185.0





#45

1,2-Dichloropropane

Concen: 57.842 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 241439

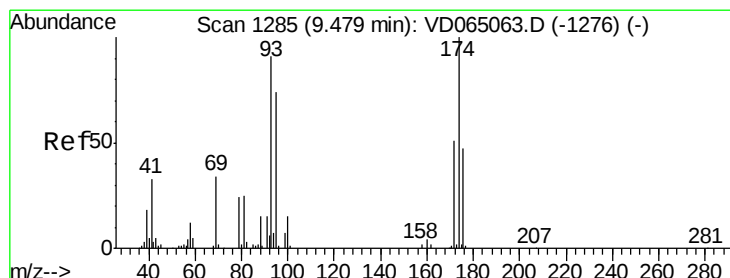
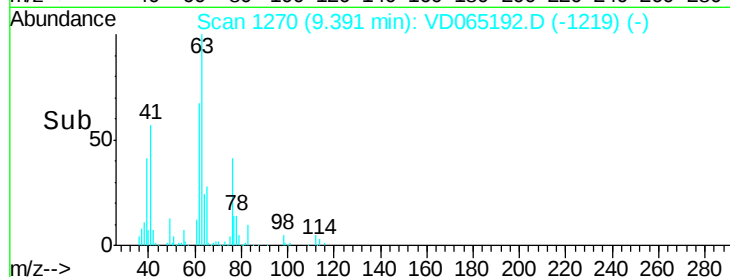
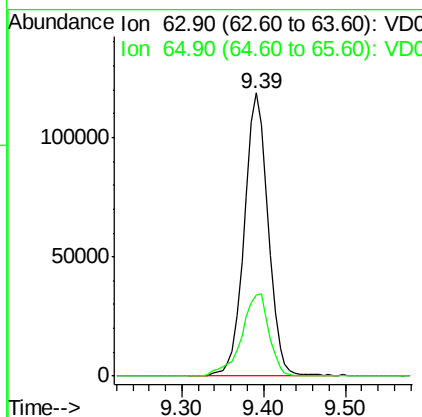
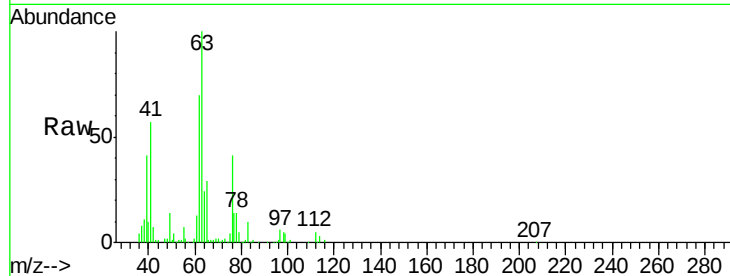
Ion Ratio Lower Upper

63 100

65 28.7 23.9 35.9

Manual Integrations
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#46

Dibromomethane

Concen: 54.566 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

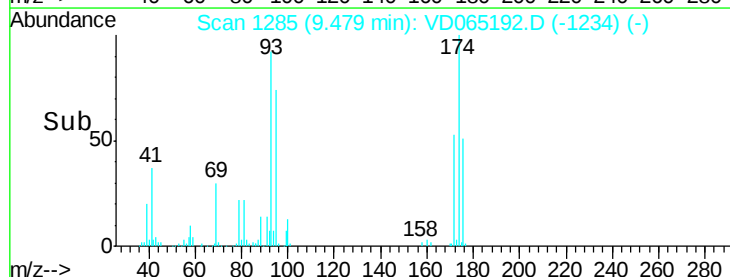
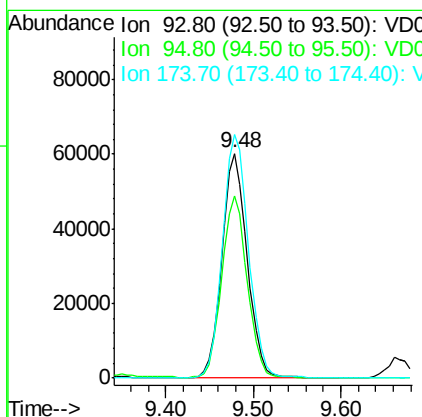
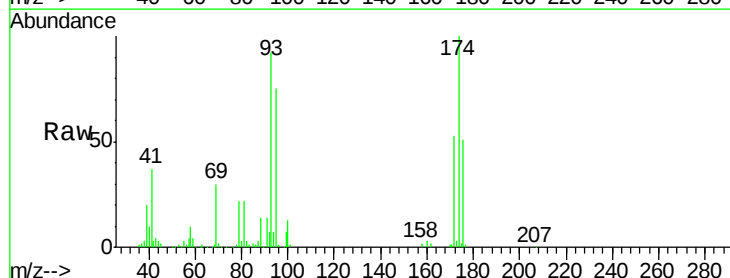
Tgt Ion: 93 Resp: 119684

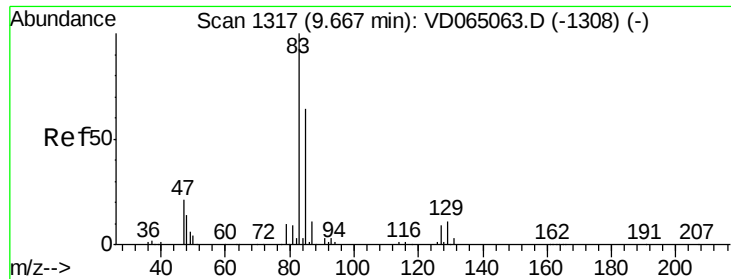
Ion Ratio Lower Upper

93 100

95 82.0 66.5 99.7

174 111.1 89.8 134.8





#47

Bromodichloromethane

Concen: 56.520 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

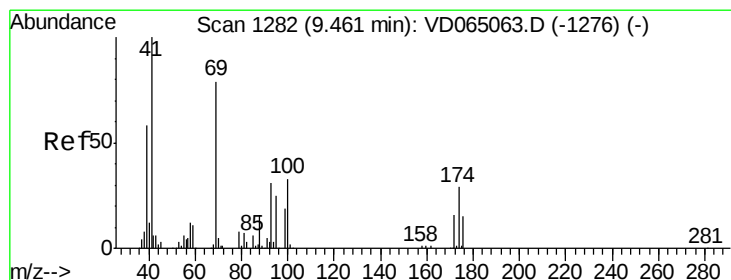
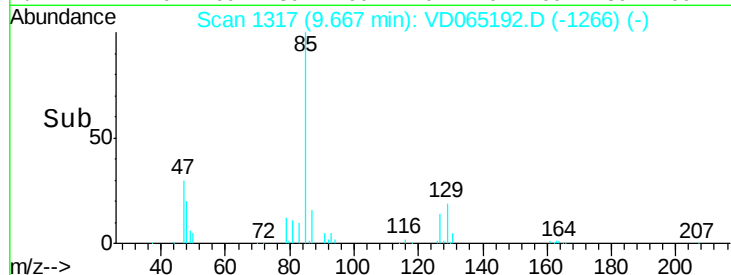
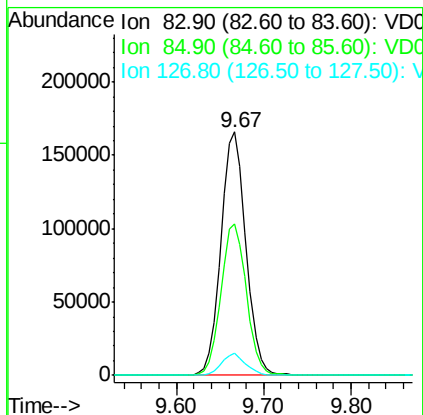
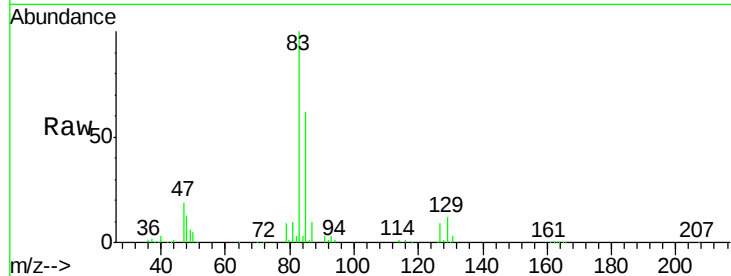
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	326650
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.6
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.261 ug/l

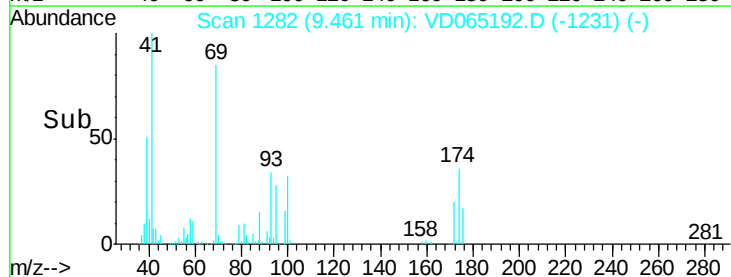
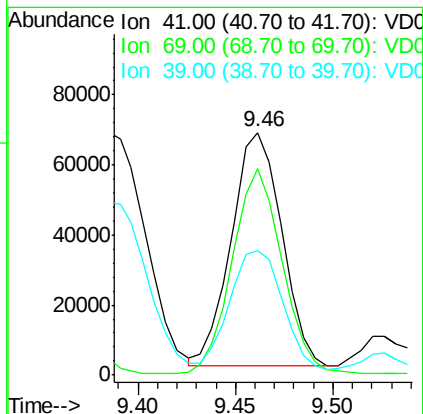
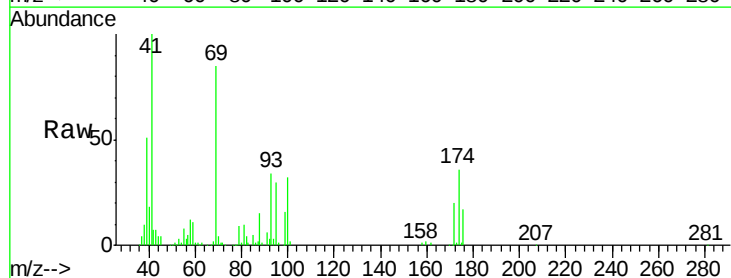
RT: 9.46 min Scan# 1282

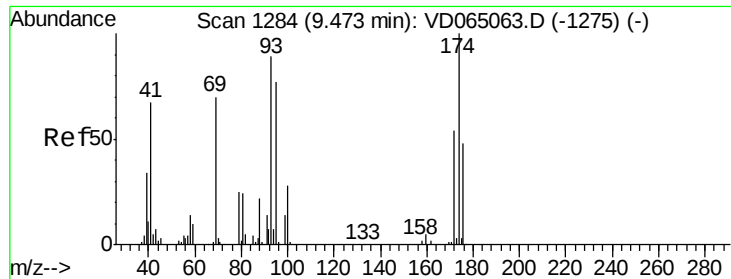
Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Tgt Ion:	41	Resp:	119160
Ion	Ratio	Lower	Upper
41	100		
69	87.6	67.5	101.3
39	53.6	47.0	70.4





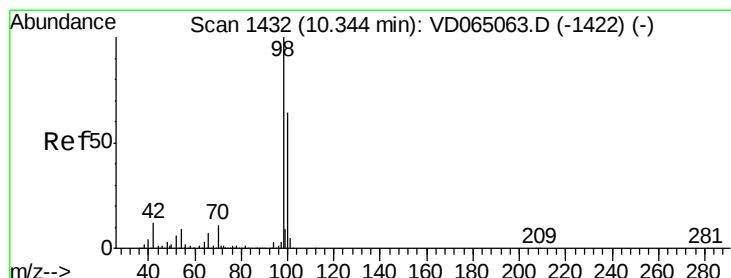
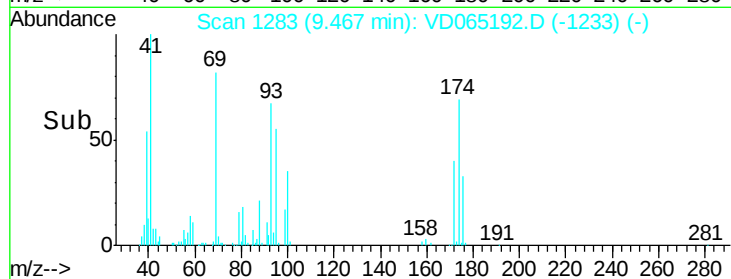
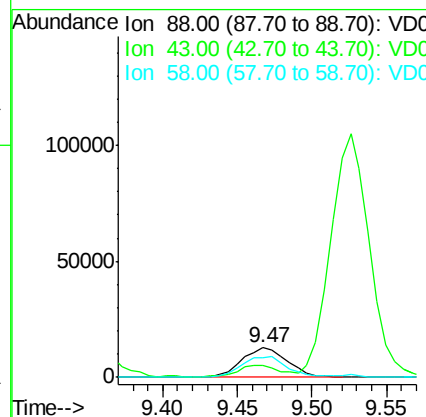
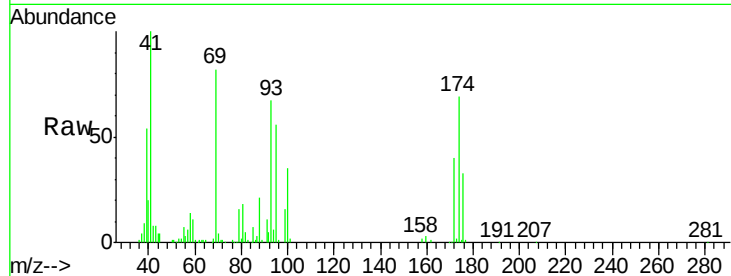
#49
1,4-Dioxane
Concen: 1056.388 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	27444
Ion Ratio	Lower	Upper	
88	100		
43	36.8	27.7	41.5
58	70.0	55.5	83.3

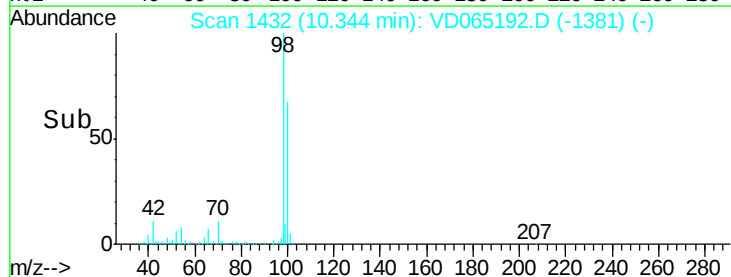
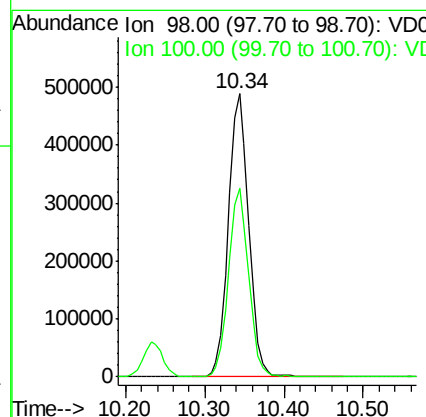
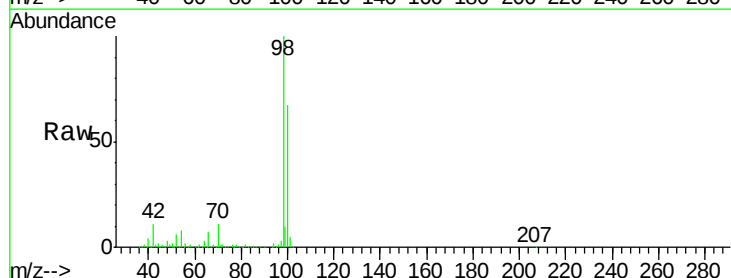
Manual Integrations
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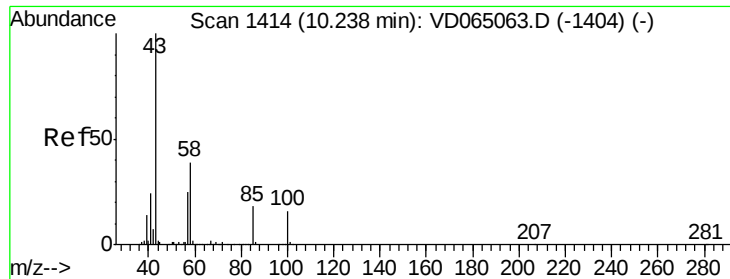
MMDadoda
2/18/2020 10:58:43 AM



#50
Toluene-d8
Concen: 57.424 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	98	Resp	864614
Ion Ratio	Lower	Upper	
98	100		
100	66.4	52.1	78.1





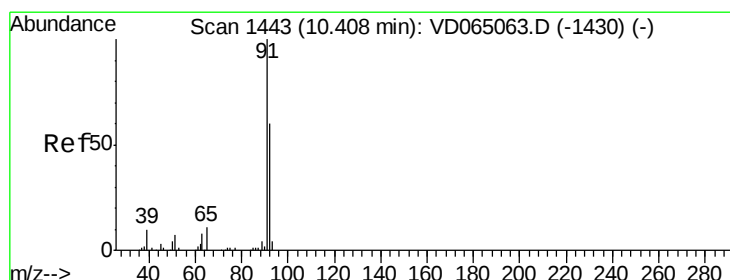
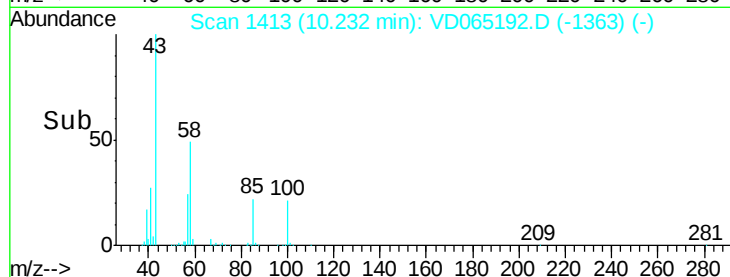
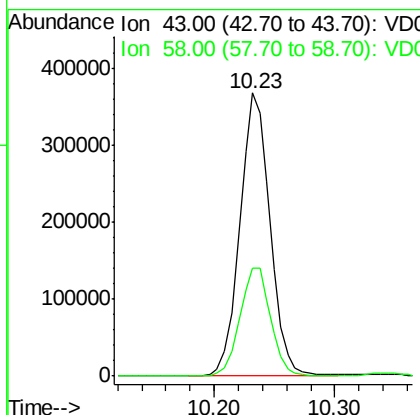
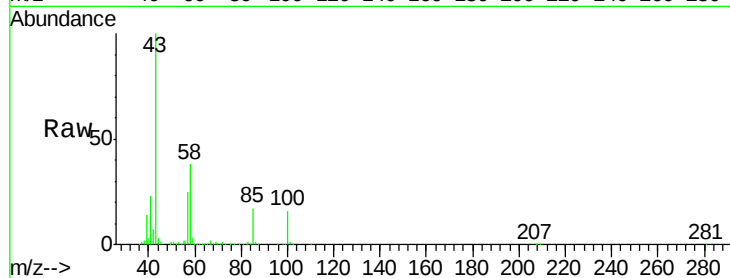
#51
4-Methyl-2-Pentanone
Concen: 265.019 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 642696
Ion Ratio Lower Upper
43 100
58 39.0 30.2 45.2

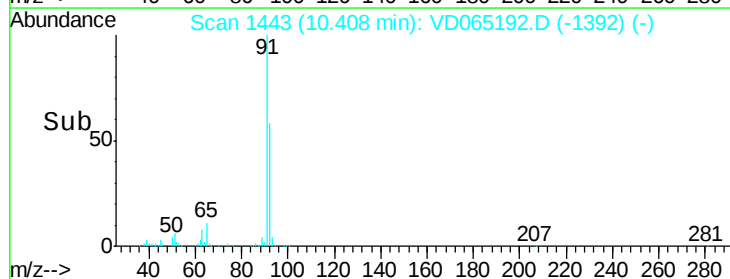
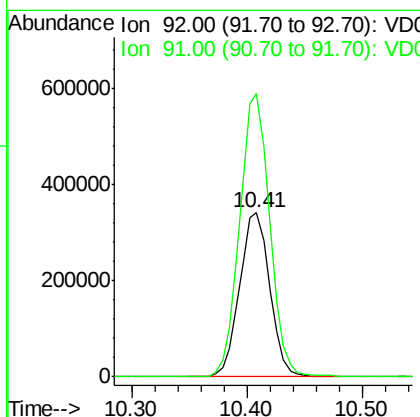
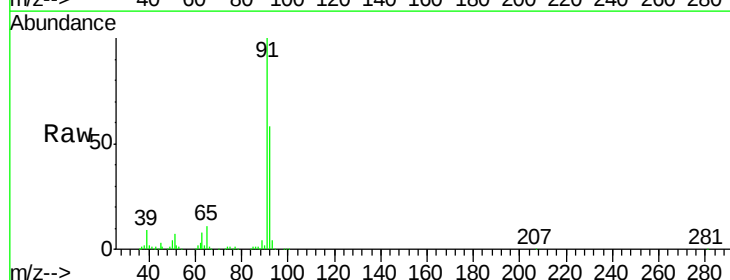
Manual Integrations
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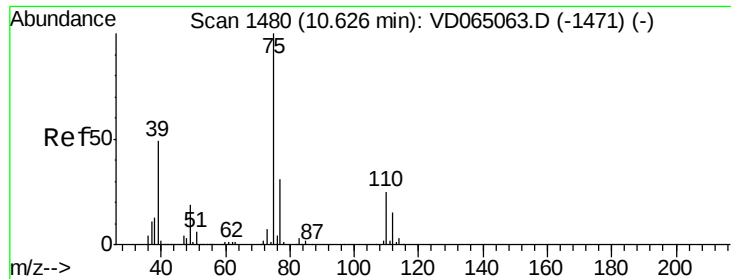
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#52
Toluene
Concen: 55.864 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion: 92 Resp: 620726
Ion Ratio Lower Upper
92 100
91 172.2 135.3 202.9





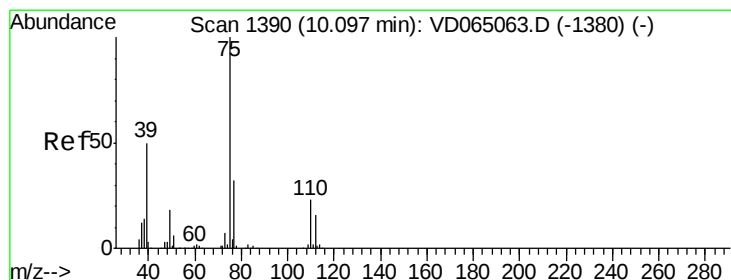
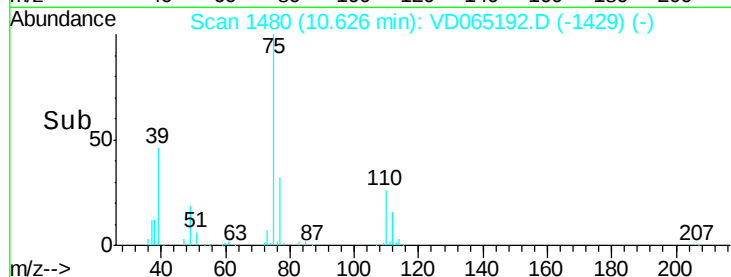
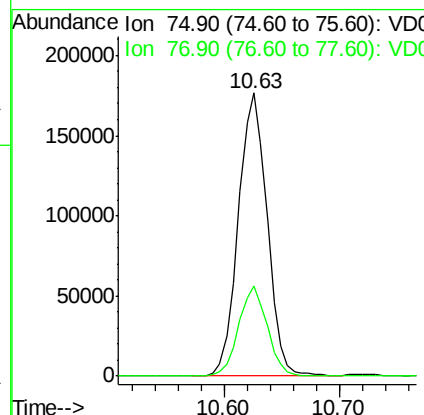
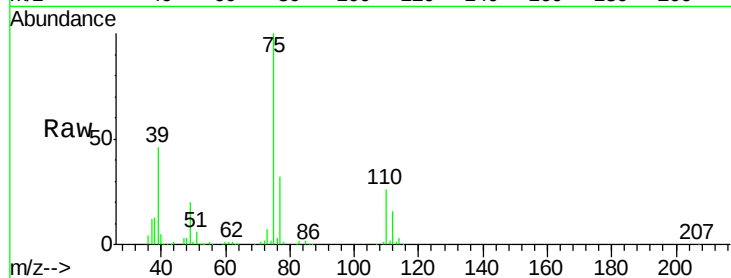
#53
t-1,3-Dichloropropene
Concen: 54.357 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 305866
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3

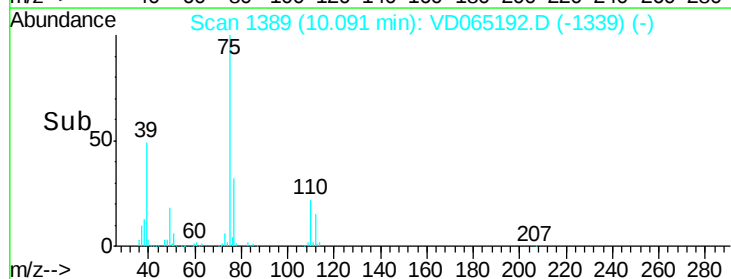
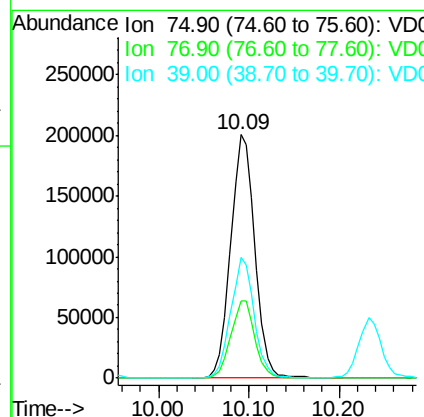
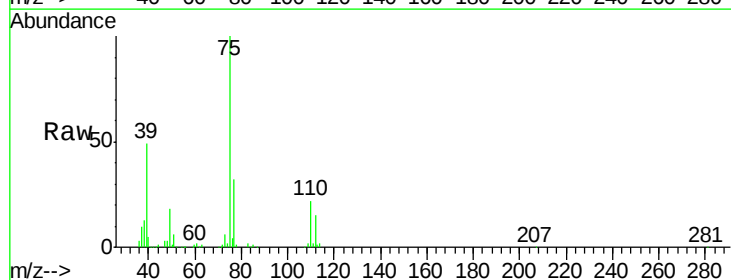
Manual Integrations
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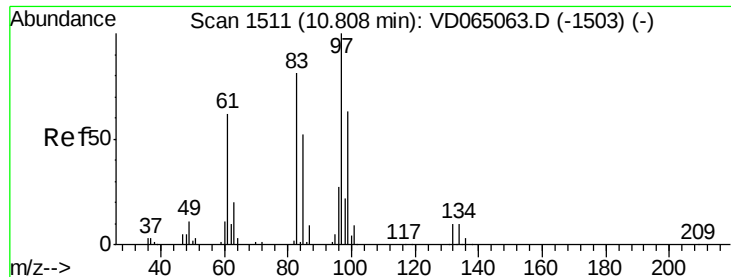
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.350 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion: 75 Resp: 372497
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 49.3 40.3 60.5





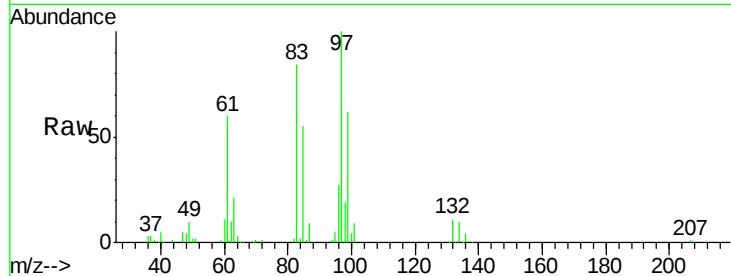
#55
 1,1,2-Trichloroethane
 Concen: 56.024 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

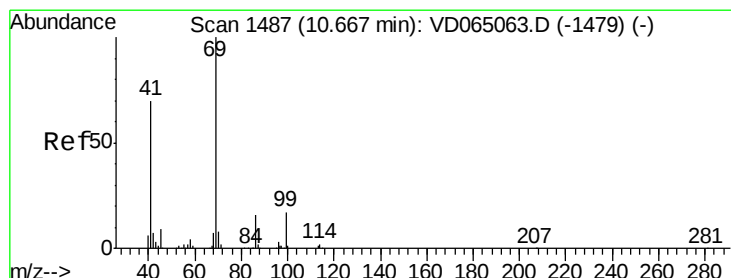
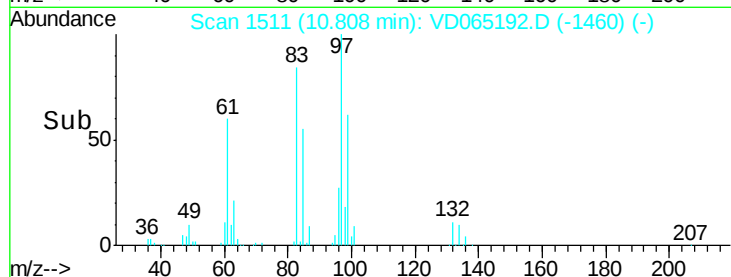
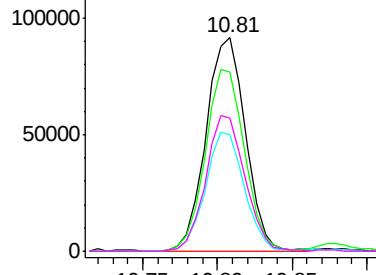
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		168551		
83	84.1	64.8	97.2		
85	54.6	41.2	61.8		
99	62.5	50.3	75.5		

Manual Integrations
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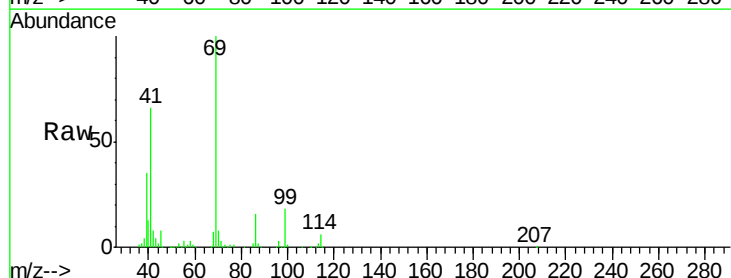


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

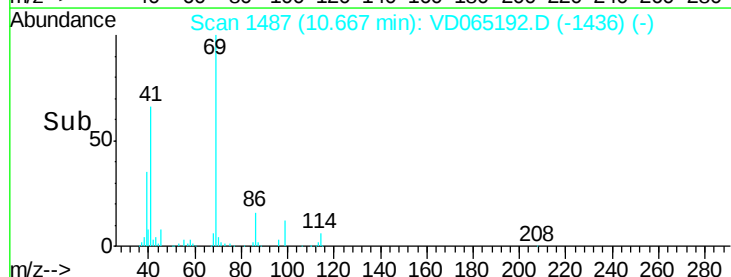
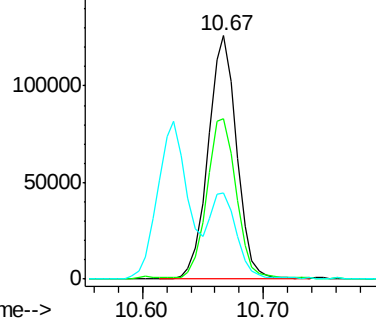


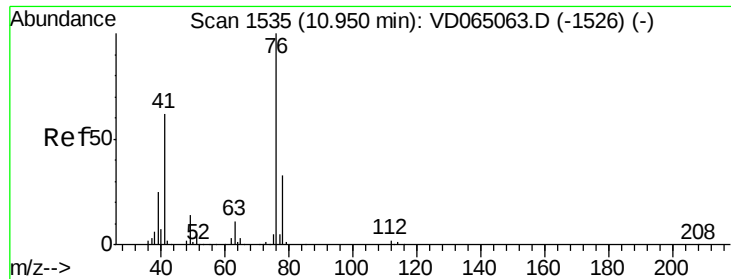
#56
 Ethyl methacrylate
 Concen: 54.773 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		208502		
41	67.5	55.9	83.9		
39	32.4	29.4	44.0		



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: 55.303 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 292570

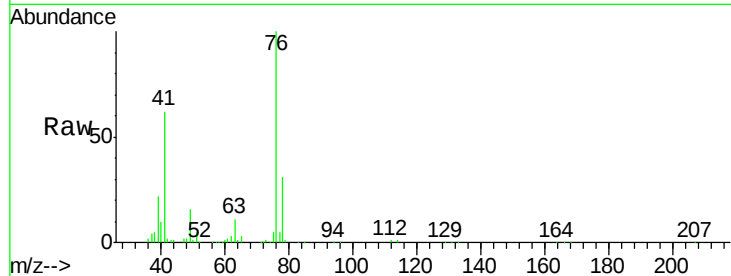
Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6

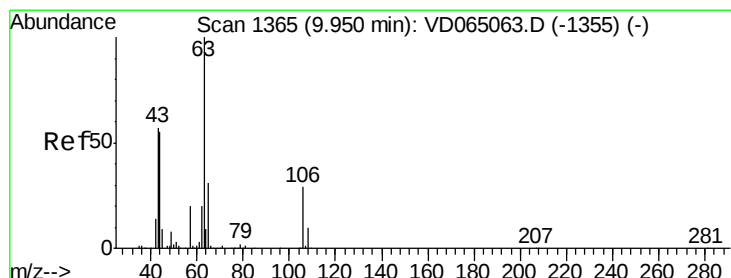
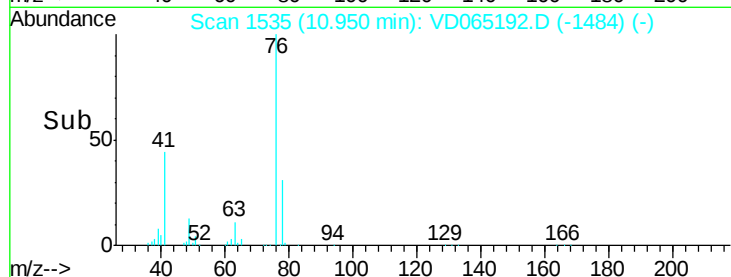
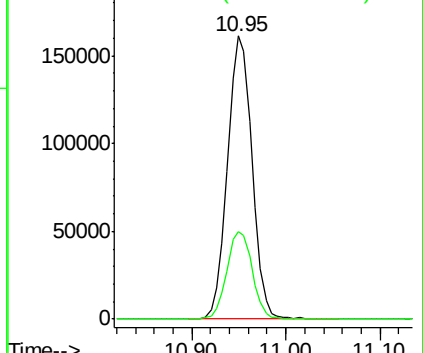
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 224.951 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065192.D

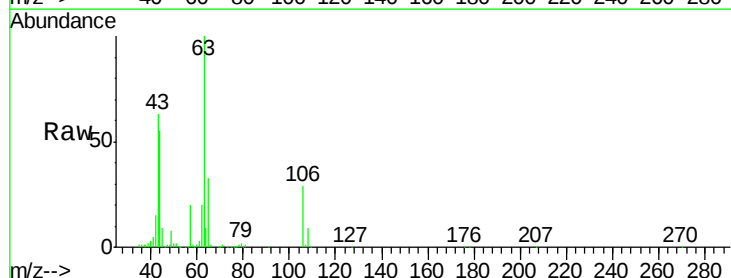
Acq: 17 Feb 2020 10:26

Tgt Ion: 63 Resp: 279014

Ion Ratio Lower Upper

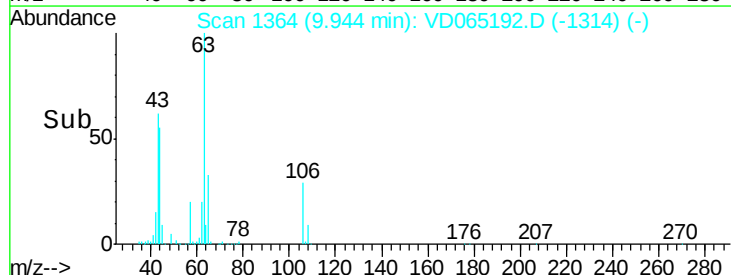
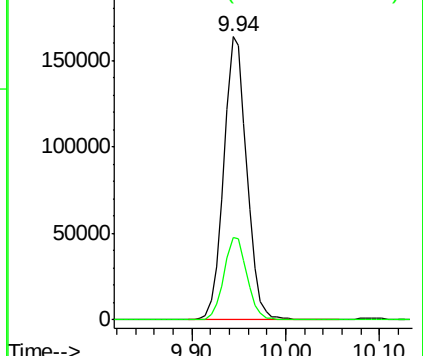
63 100

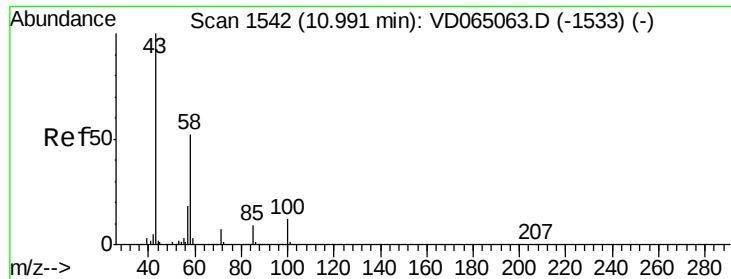
106 29.3 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





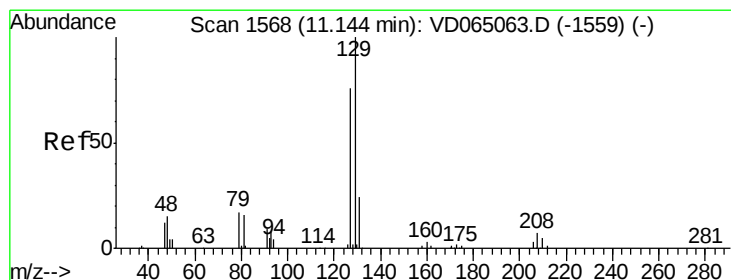
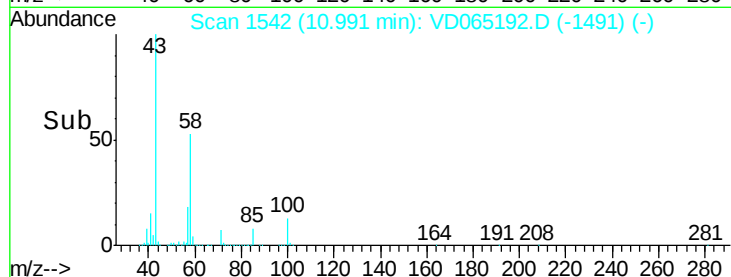
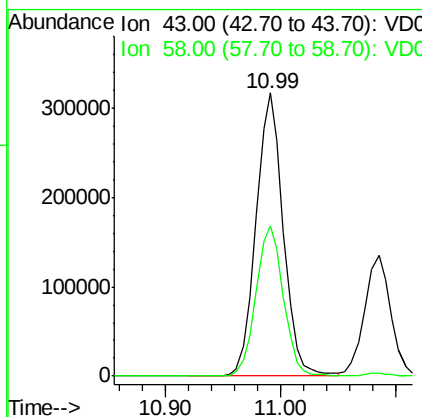
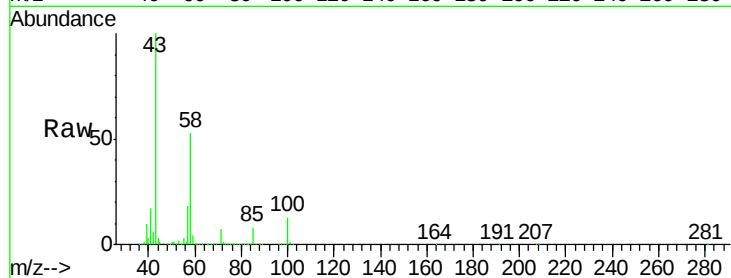
#59
2-Hexanone
Concen: 302.753 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 520054
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.6

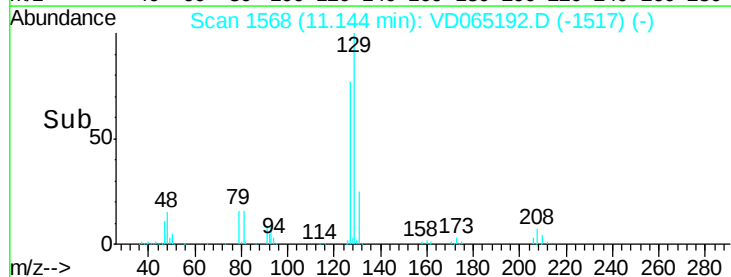
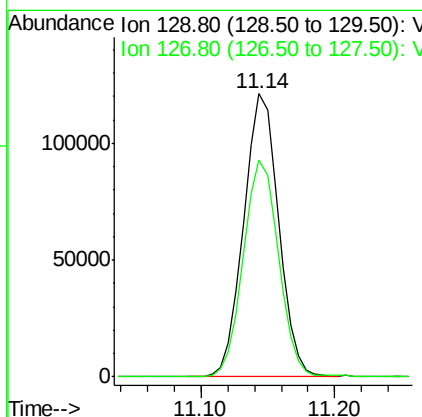
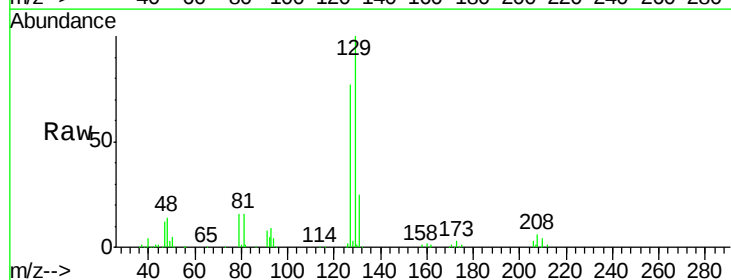
Manual Integrations
APPROVED

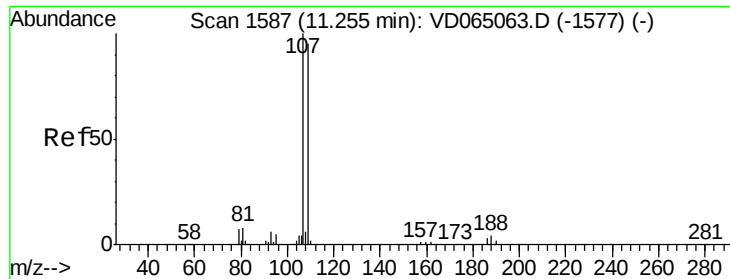
MMDadoda
2/18/2020 10:58:43 AM



#60
Dibromochloromethane
Concen: 56.252 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion: 129 Resp: 219205
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9





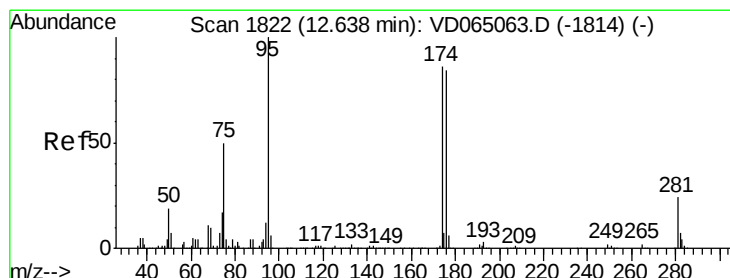
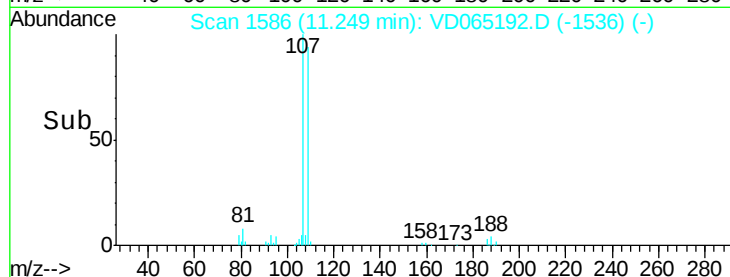
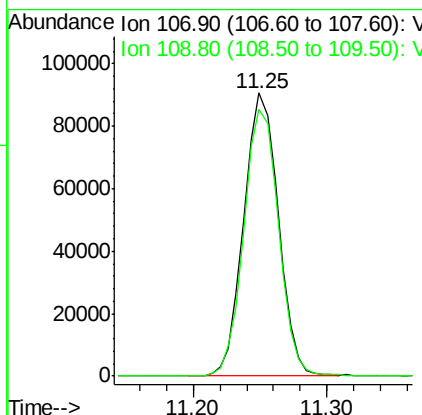
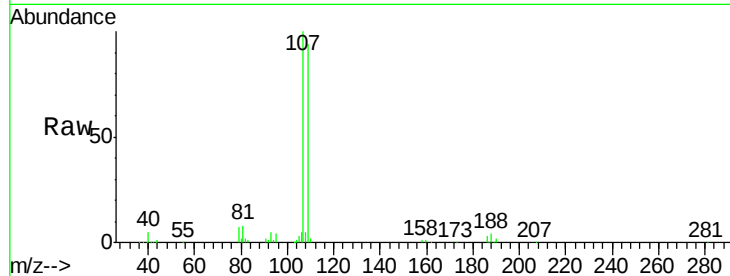
#61
 1,2-Dibromoethane
 Concen: 55.319 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.5	113.3

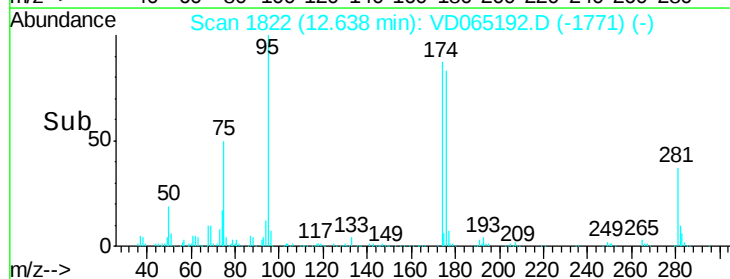
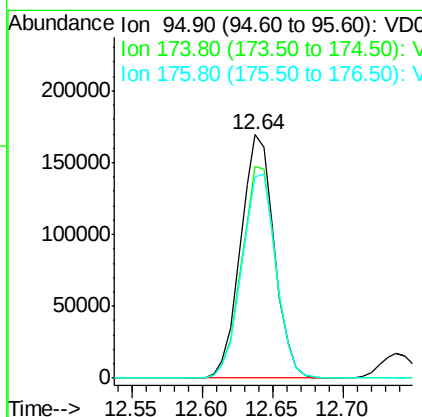
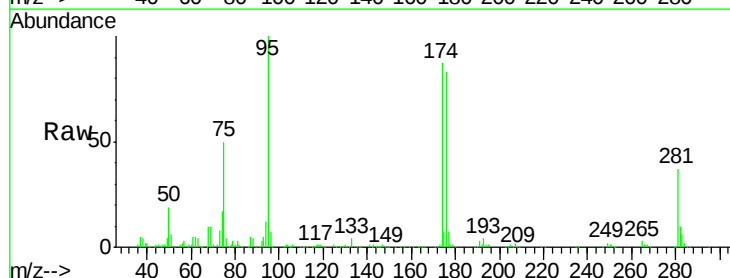
Manual Integrations
 APPROVED

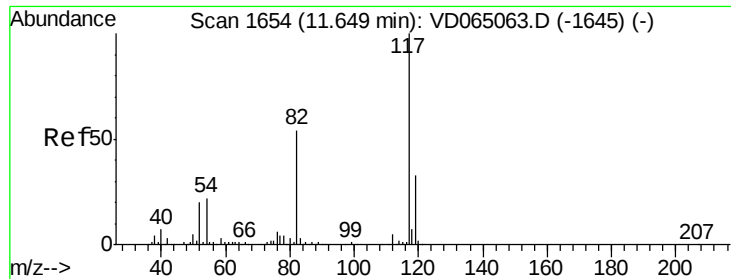
MMDadoda
 2/18/2020 10:58:43 AM



#62
 4-Bromofluorobenzene
 Concen: 59.028 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	180.0
176	86.1	0.0	173.2





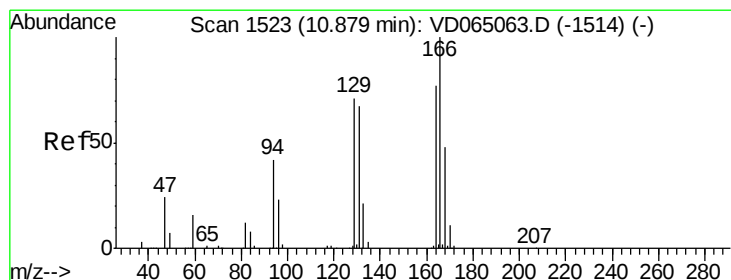
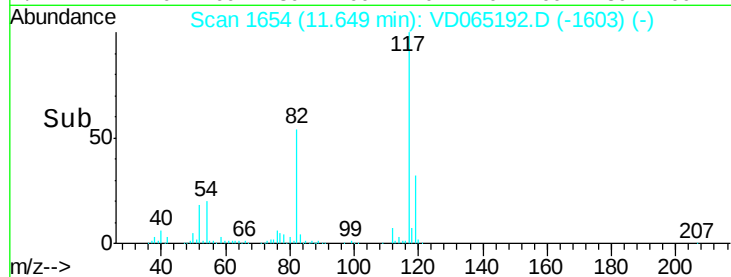
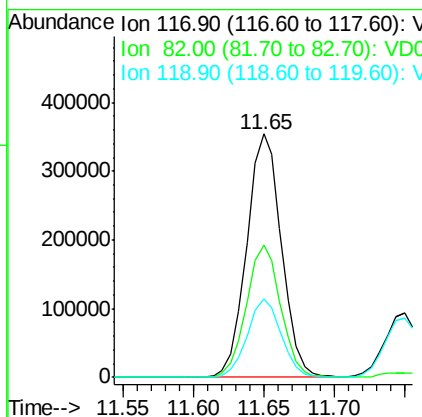
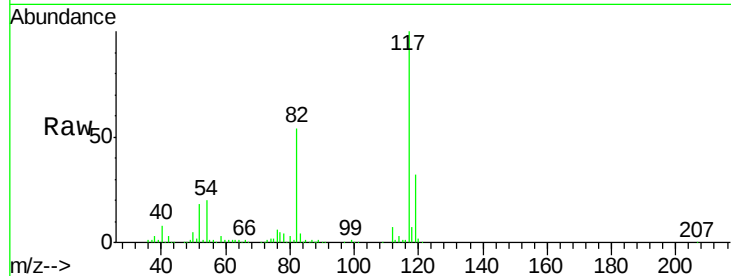
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	610254		
82	54.1	43.1	64.7	
119	32.3	26.0	39.0	

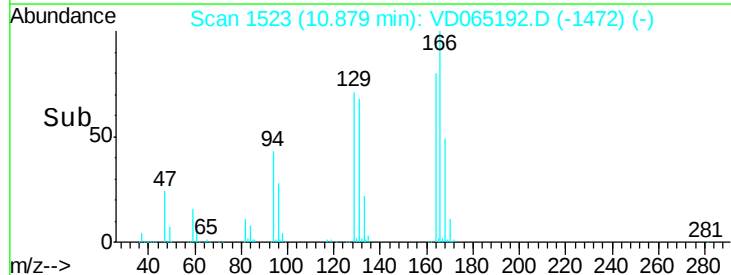
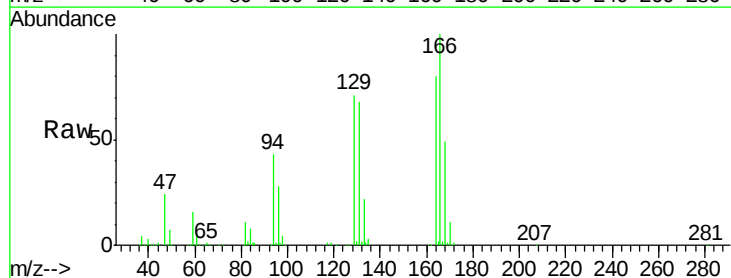
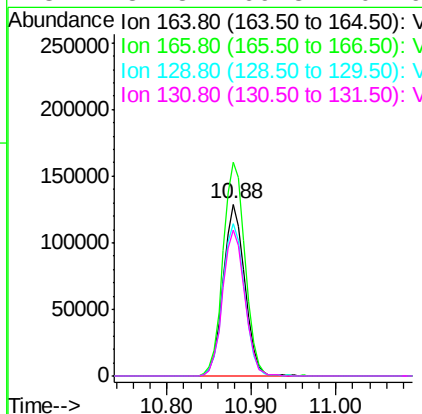
Manual Integrations
APPROVED

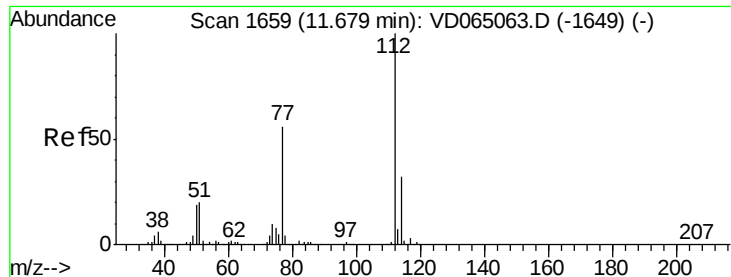
MMDadoda
2/18/2020 10:58:43 AM



#64
Tetrachloroethene
Concen: 51.569 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	226129		
166	124.3	103.5	155.3	
129	88.9	73.3	109.9	
131	84.8	69.8	104.6	





#65

Chlorobenzene

Concen: 54.759 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 646333

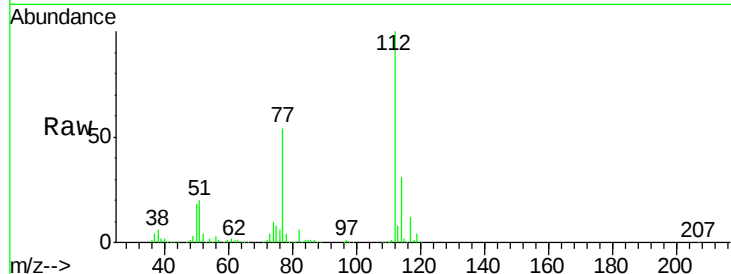
Ion Ratio Lower Upper

112 100

114 30.8 25.4 38.0

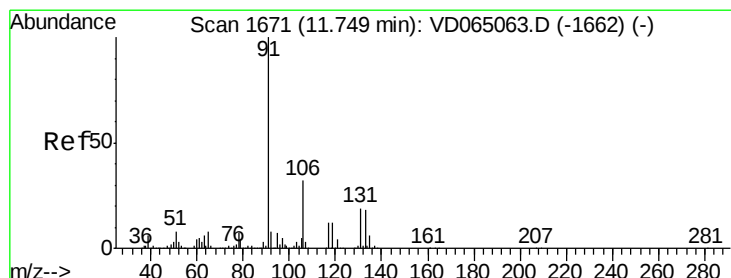
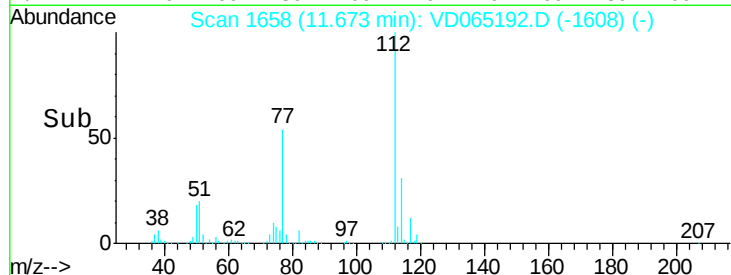
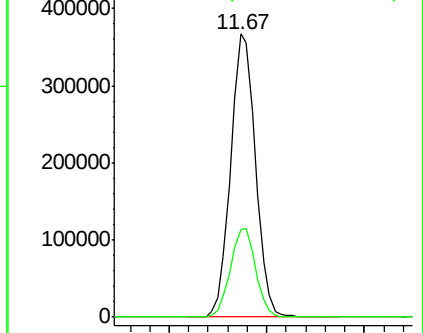
Manual Integrations
APPROVED

MMDadoda
2/18/2020 10:58:43 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.122 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

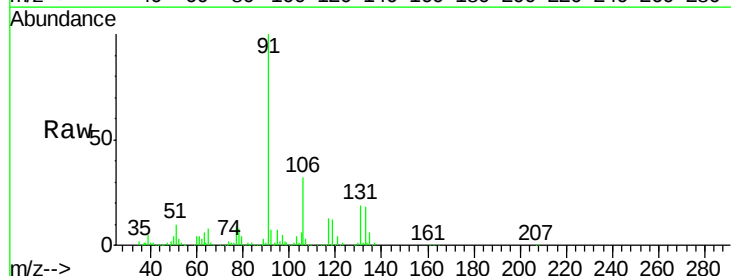
Tgt Ion:131 Resp: 240129

Ion Ratio Lower Upper

131 100

133 94.8 47.7 143.1

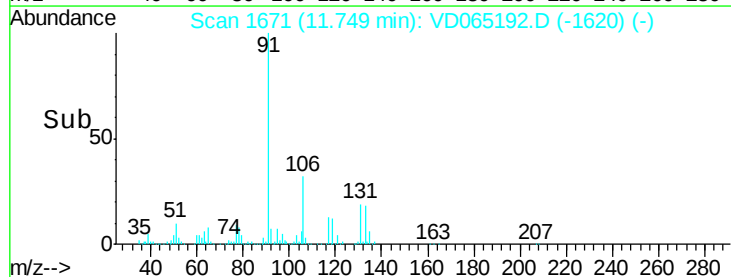
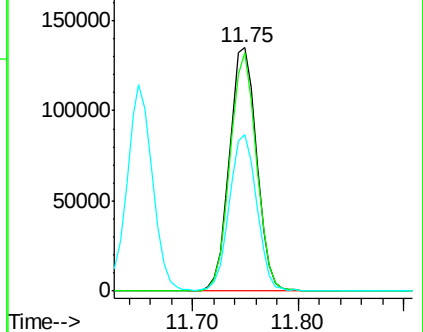
119 64.6 31.3 93.8

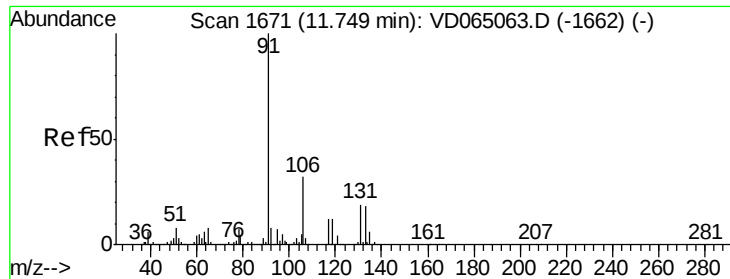


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.619 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1171270

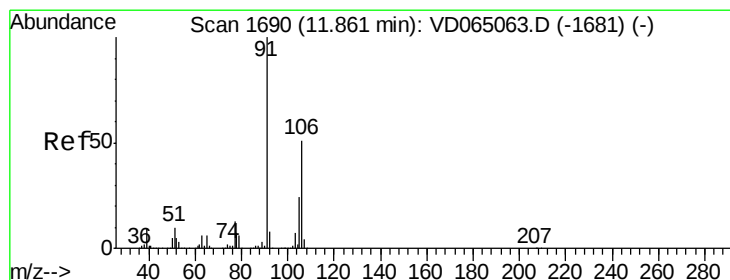
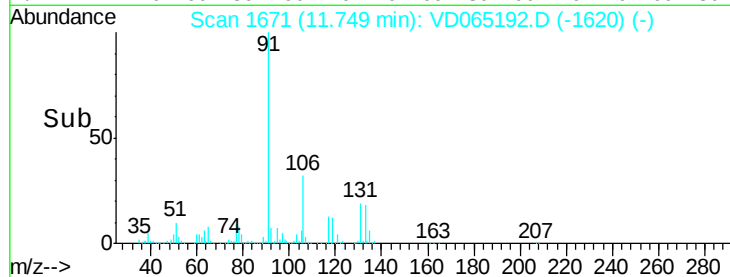
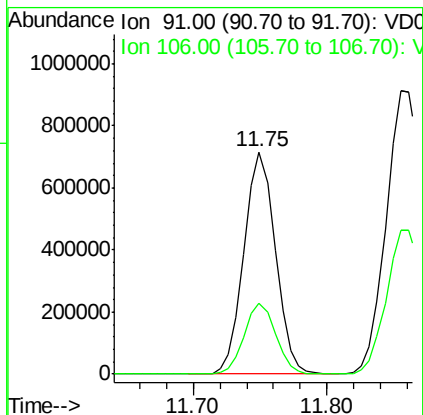
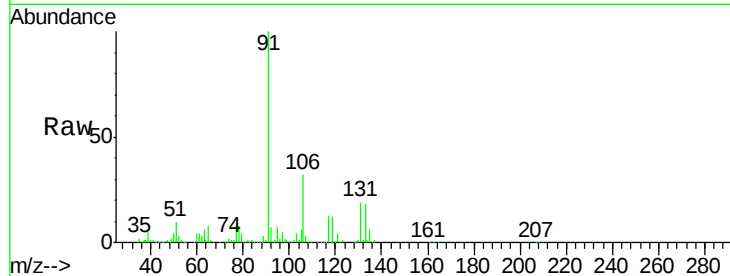
Ion Ratio Lower Upper

91 100

106 32.1 25.4 38.2

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#68

m/p-Xylenes

Concen: 110.260 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065192.D

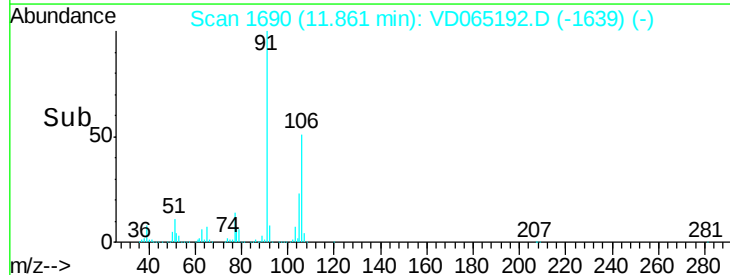
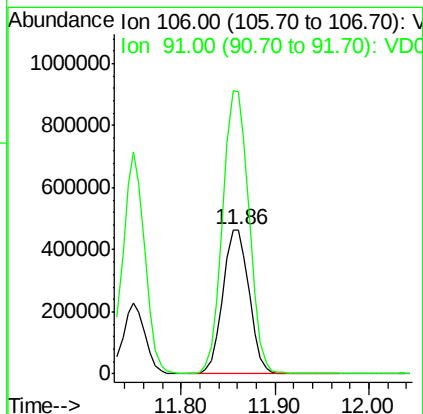
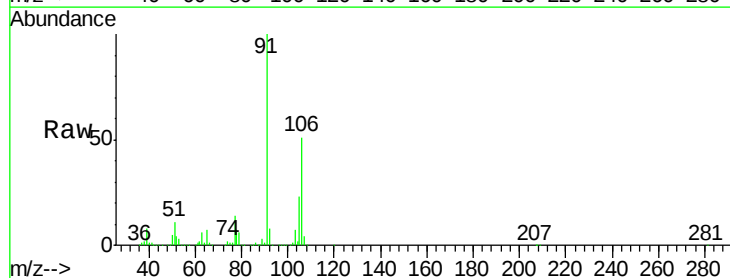
Acq: 17 Feb 2020 10:26

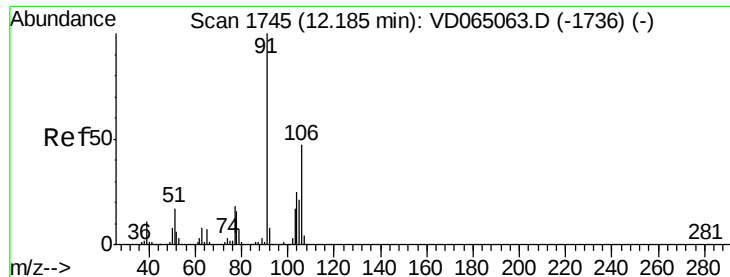
Tgt Ion: 106 Resp: 902447

Ion Ratio Lower Upper

106 100

91 197.5 158.9 238.3





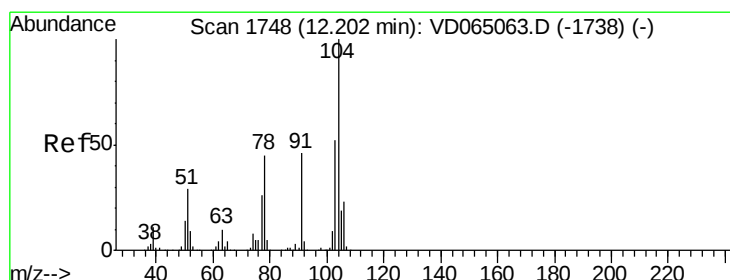
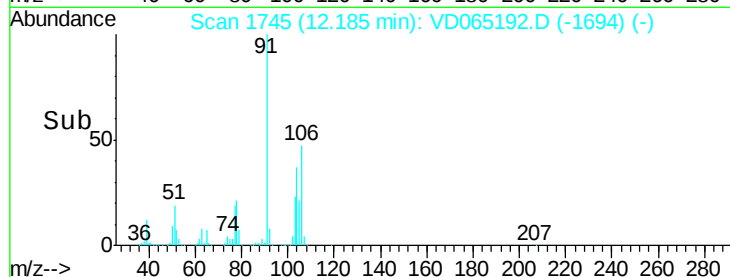
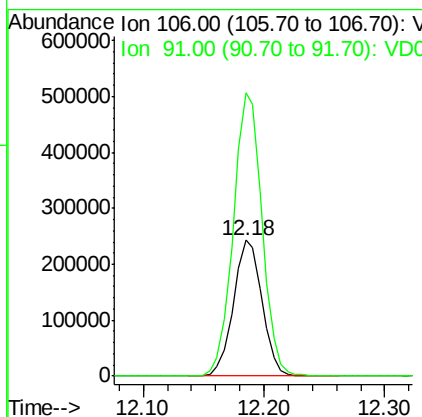
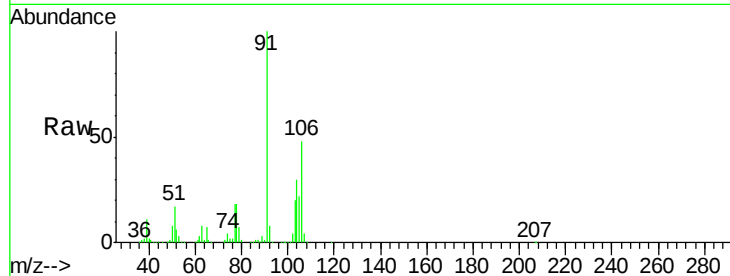
#69
o-Xylene
Concen: 54.560 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.2	104.7	313.9	

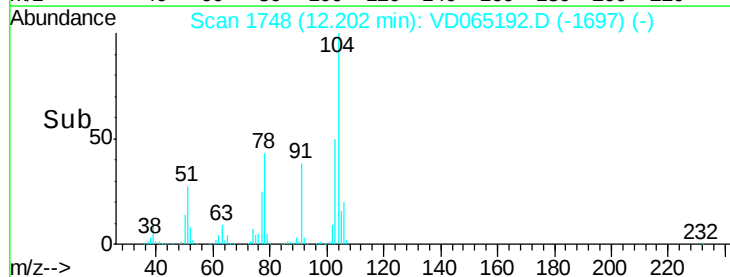
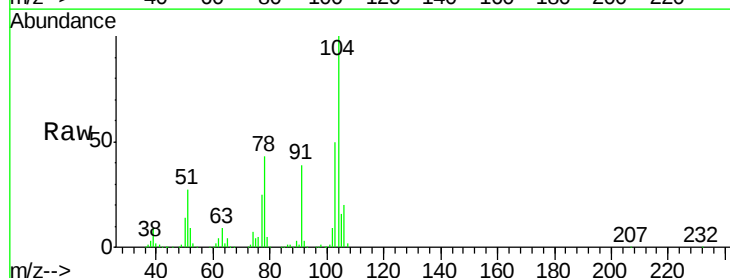
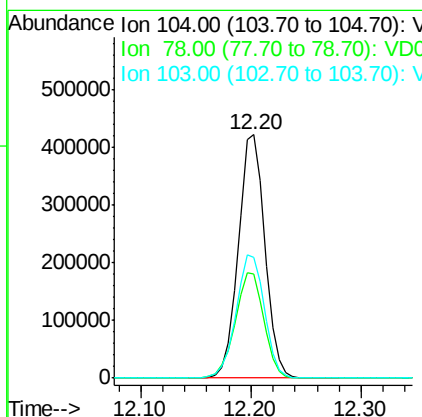
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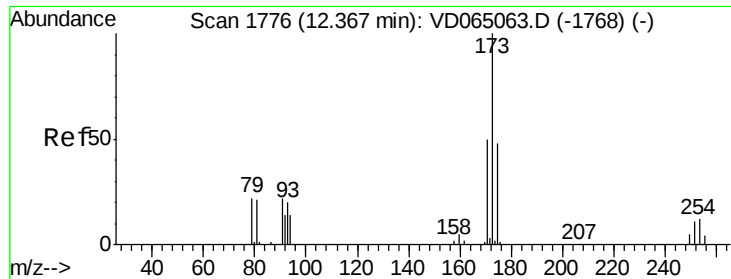
MMDadoda
2/18/2020 10:58:43 AM



#70
Styrene
Concen: 55.986 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.8	38.5	57.7	
103	54.2	43.8	65.8	





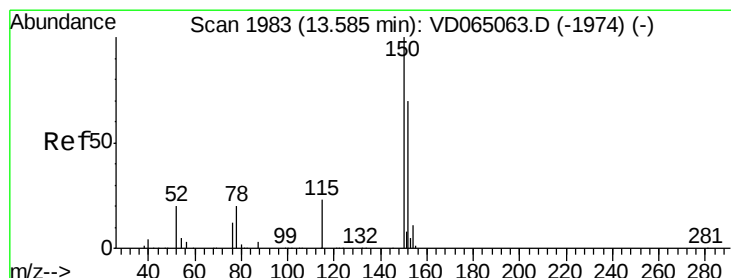
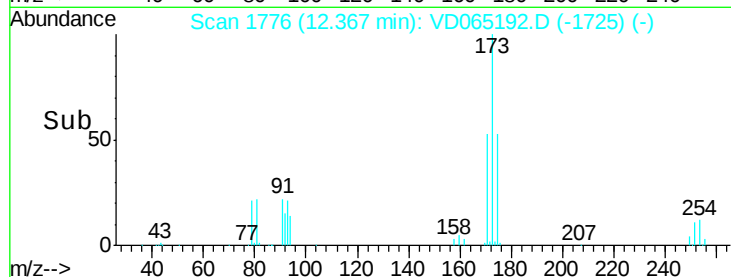
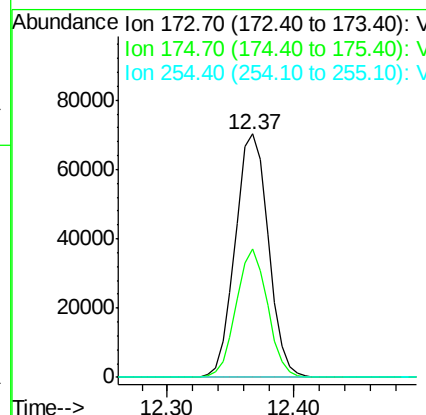
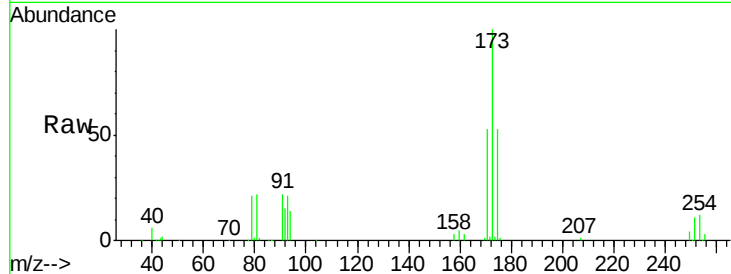
#71
Bromoform
Concen: 53.972 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.3	72.8
254	0.1	0.1	0.1

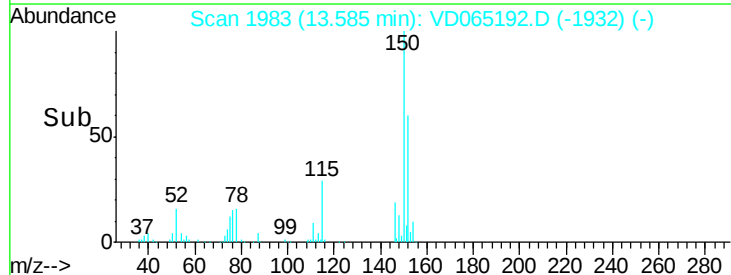
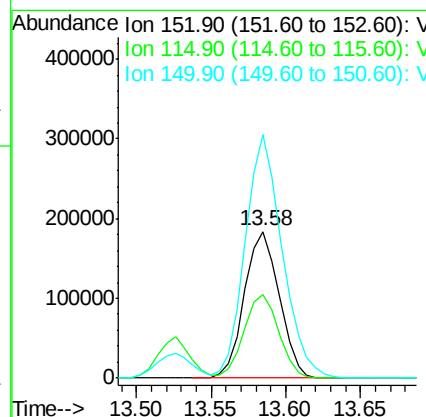
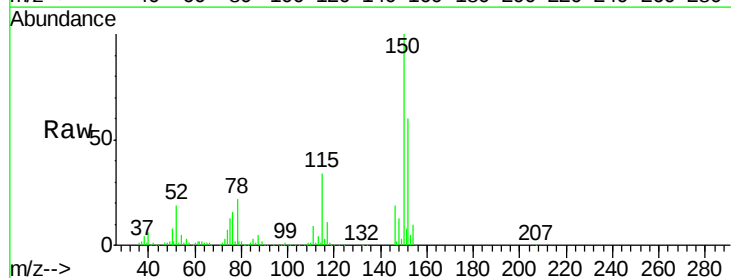
Manual Integrations
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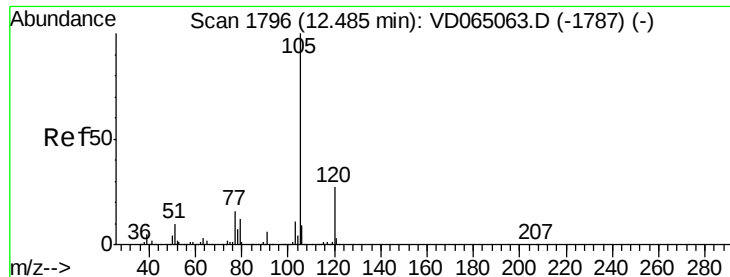
MMDadoda
2/18/2020 10:58:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	27.5	82.4
150	175.7	0.0	343.2





#73

Isopropylbenzene

Concen: 54.323 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1110594

Ion Ratio Lower Upper

105 100

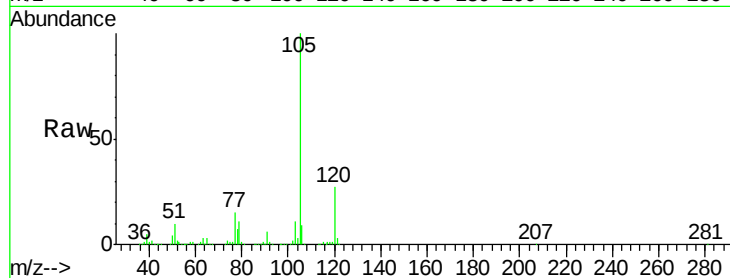
120 27.1 13.3 39.9

Manual Integrations

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MMDadoda

2/18/2020 10:58:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

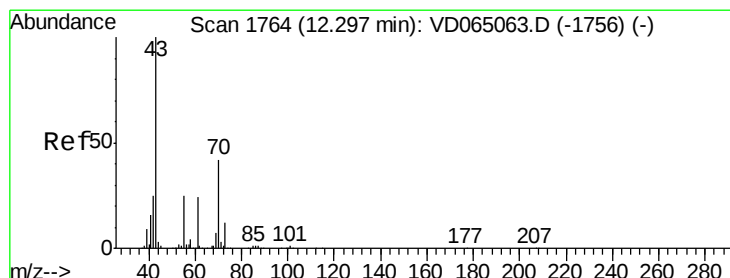
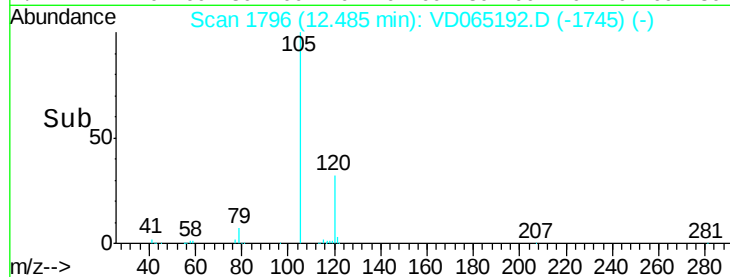
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 51.214 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Tgt Ion: 43 Resp: 227578

Ion Ratio Lower Upper

43 100

70 43.3 33.5 50.3

55 26.4 19.4 29.2

61 24.0 18.6 28.0

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

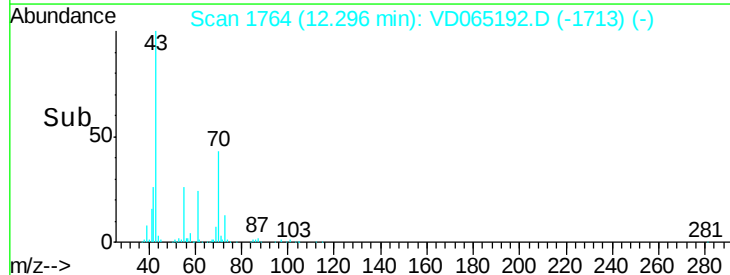
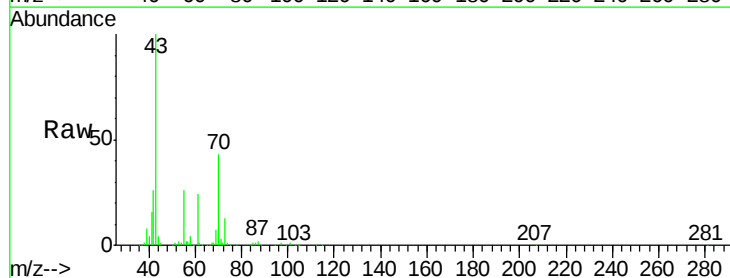
100000

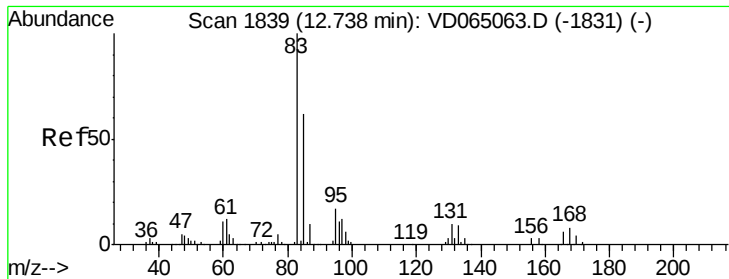
50000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.855 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Instrument :

MSVOA_D

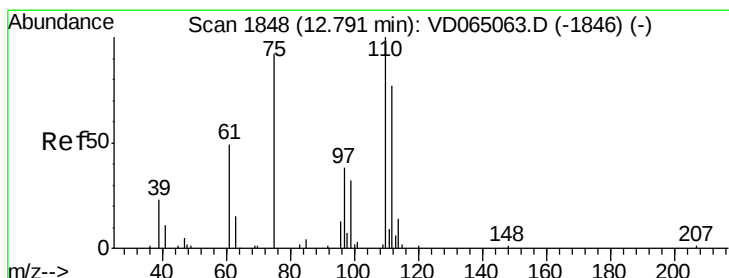
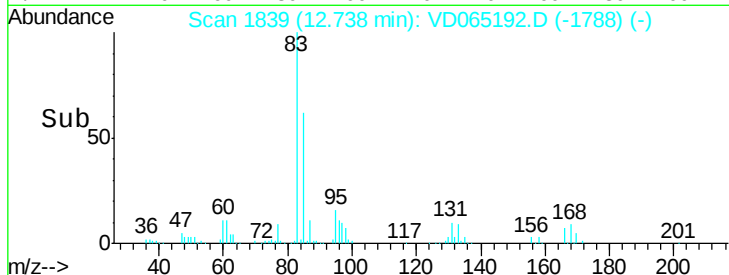
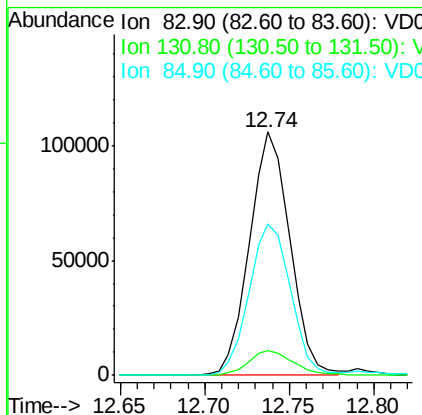
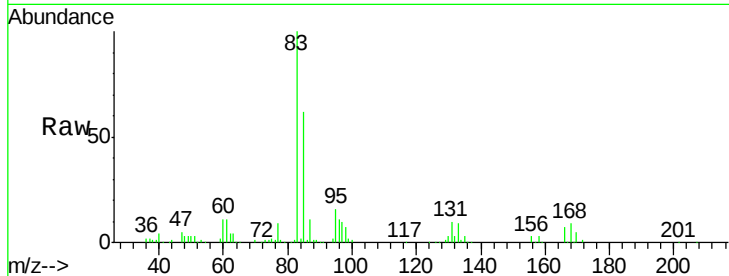
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	176502
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	64.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.710 ug/l m

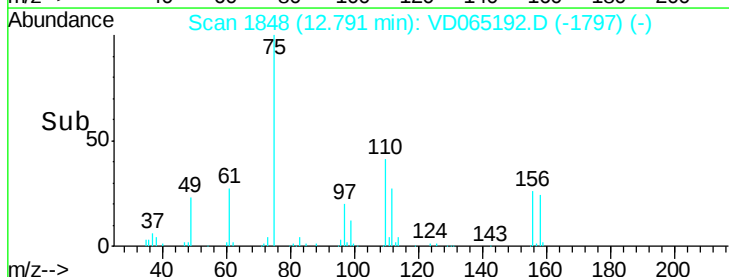
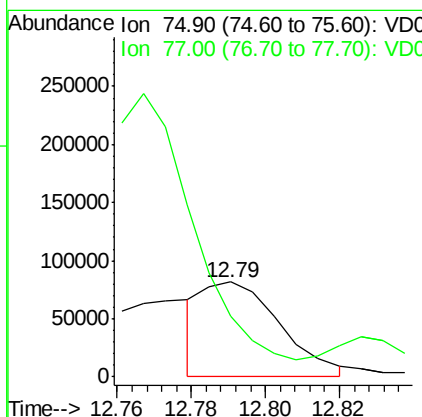
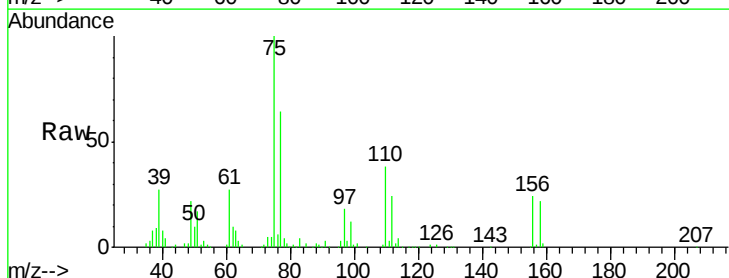
RT: 12.79 min Scan# 1848

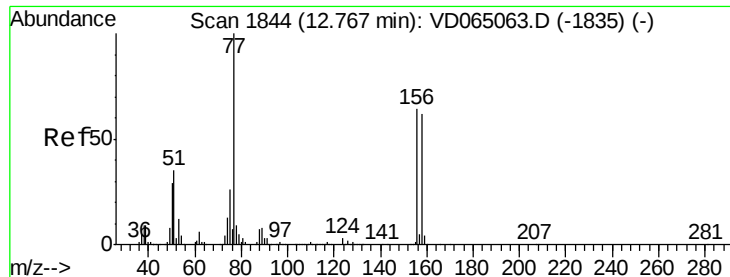
Delta R.T. -0.00 min

Lab File: VD065192.D

Acq: 17 Feb 2020 10:26

Tgt Ion:	75	Resp:	118870
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





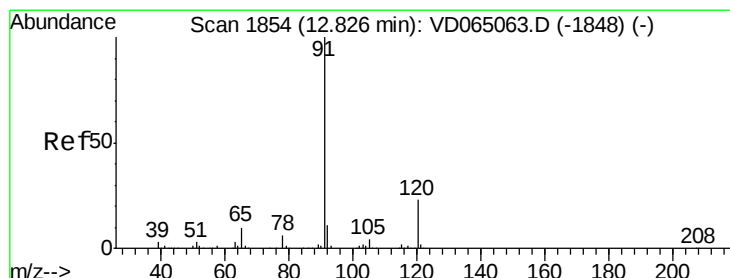
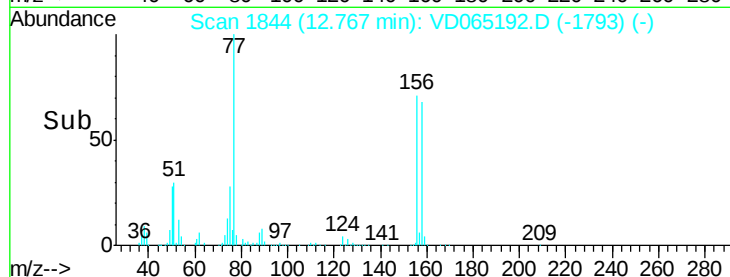
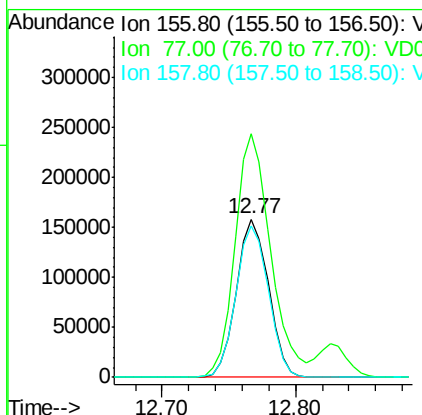
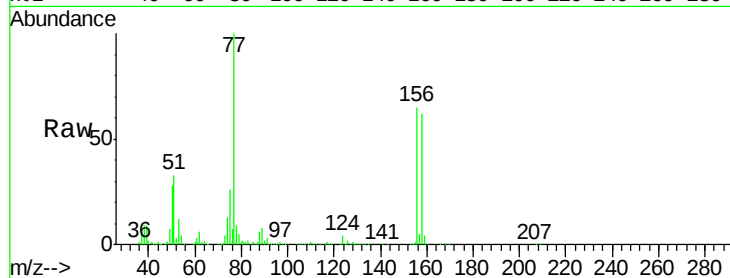
#77
Bromobenzene
Concen: 53.763 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.4	85.6	256.8
158	96.6	47.4	142.2

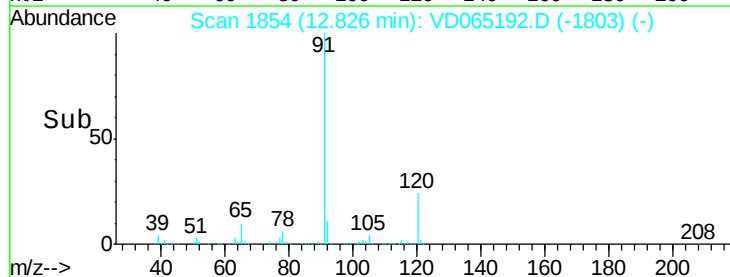
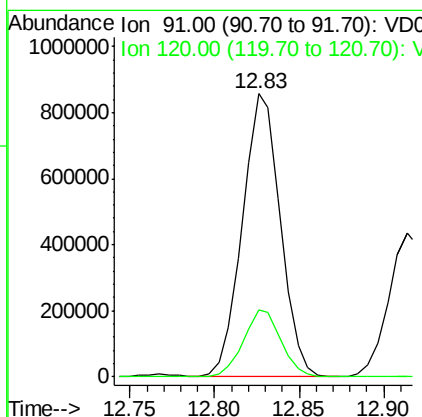
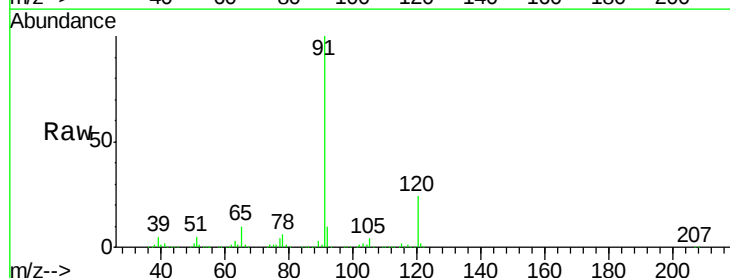
Manual Integrations
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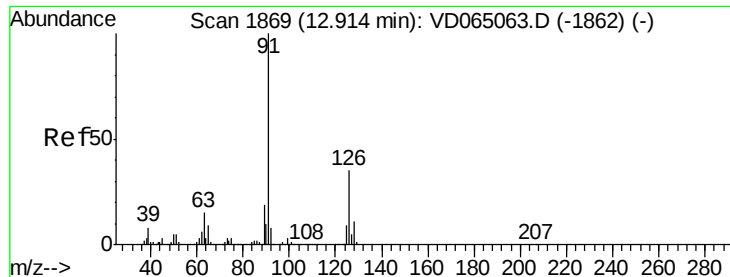
MMDadoda
2/18/2020 10:58:43 AM



#78
n-propylbenzene
Concen: 55.875 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





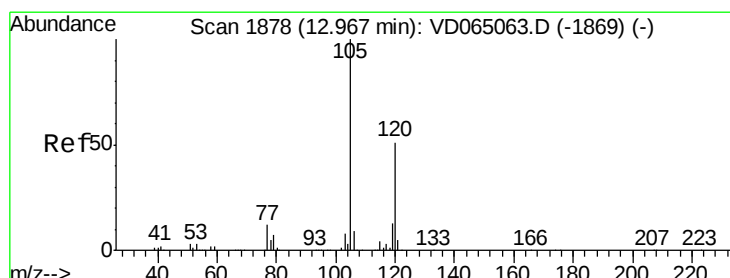
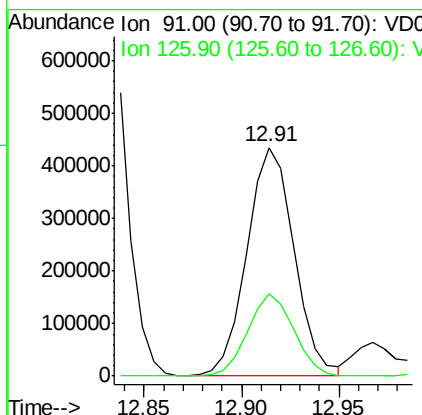
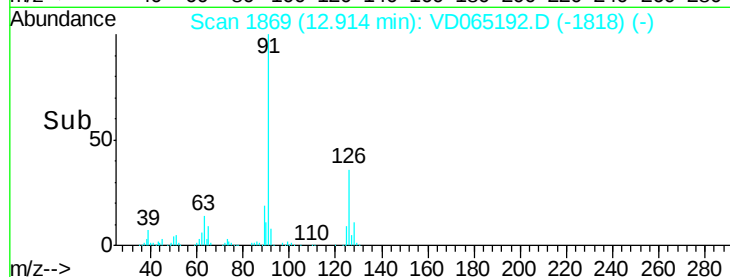
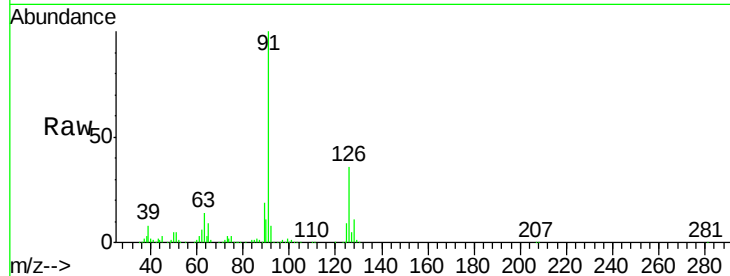
#79
2-Chlorotoluene
Concen: 54.427 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 726358
Ion Ratio Lower Upper
91 100
126 35.1 17.4 52.3

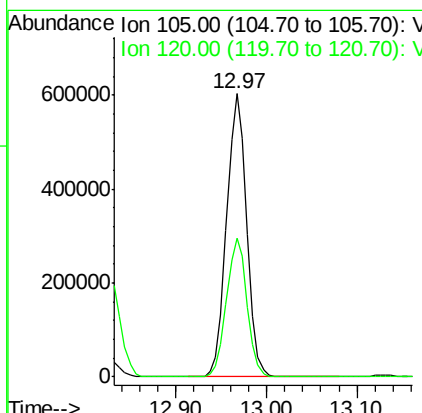
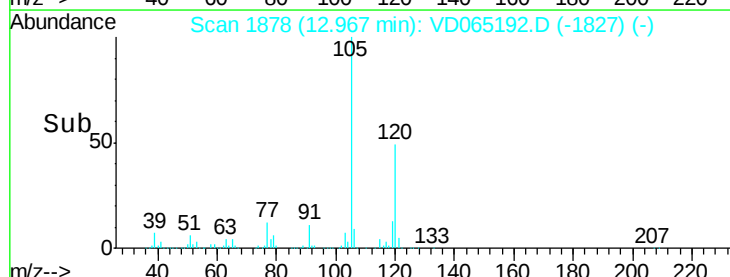
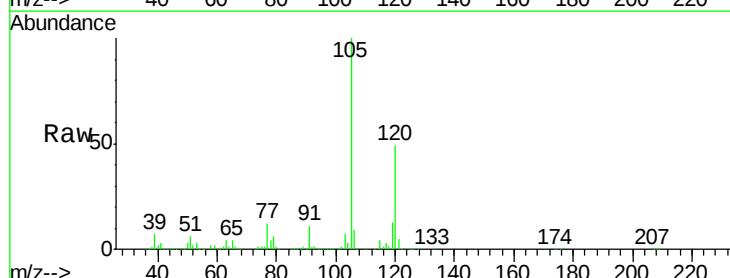
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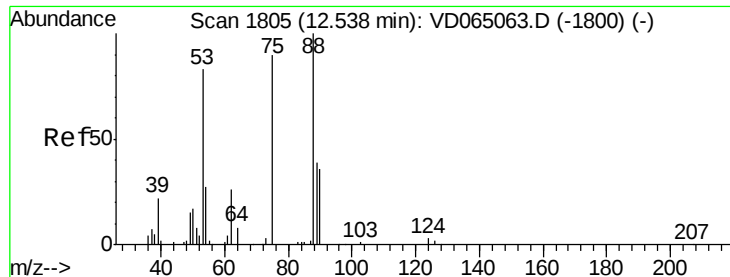
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 55.228 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion: 105 Resp: 923725
Ion Ratio Lower Upper
105 100
120 50.1 25.1 75.4





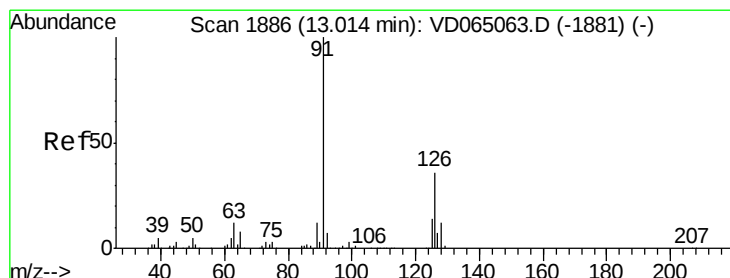
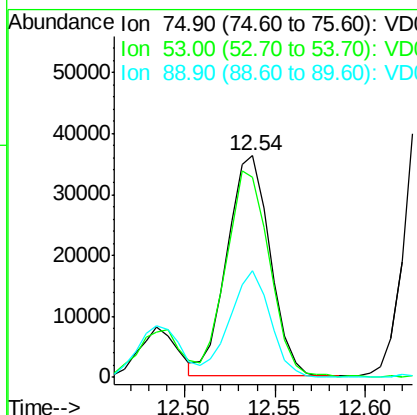
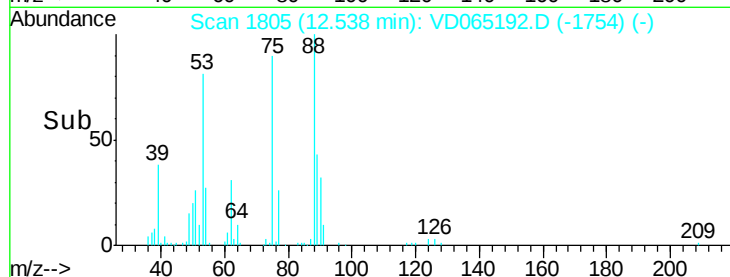
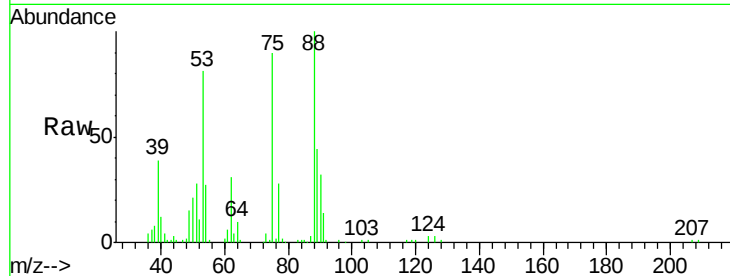
#81
trans-1,4-Dichloro-2-butene
Concen: 53.114 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.0	78.5	117.7
89	45.3	37.0	55.4

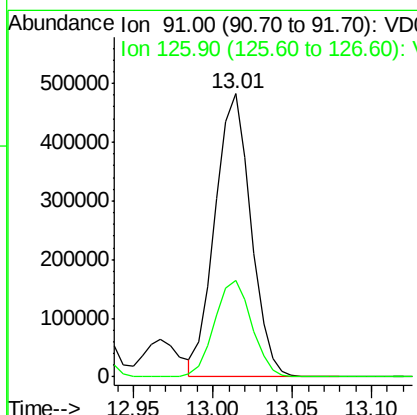
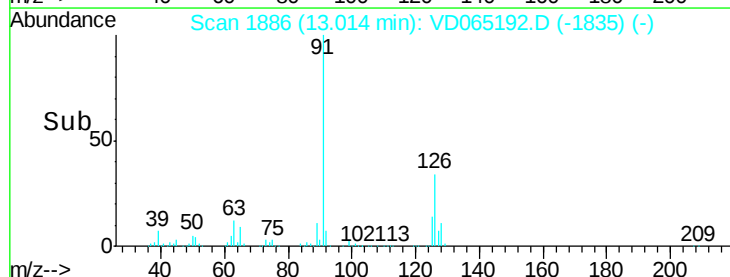
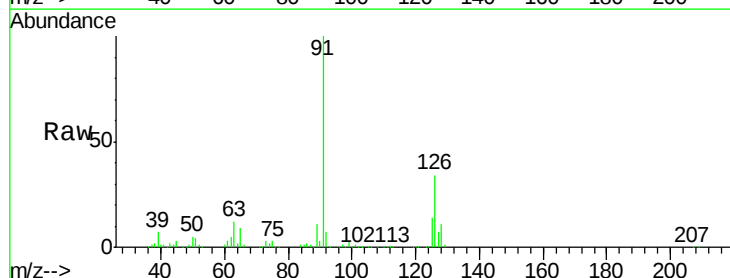
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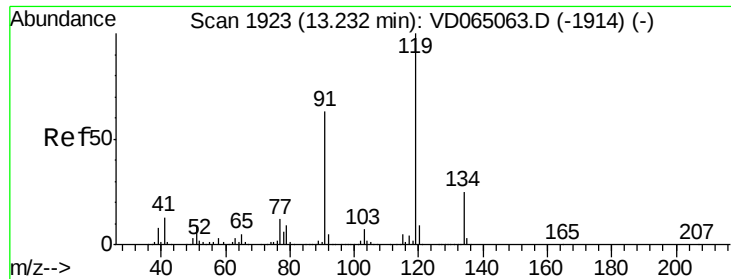
MMDadoda
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#82
4-Chlorotoluene
Concen: 54.249 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





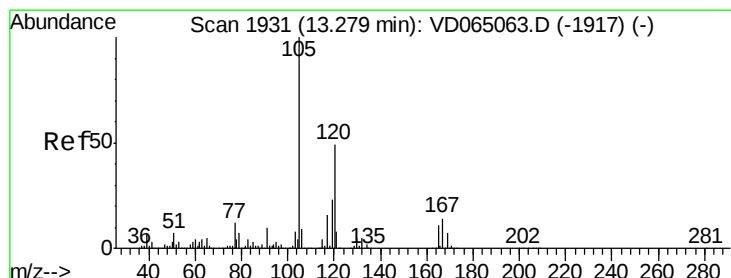
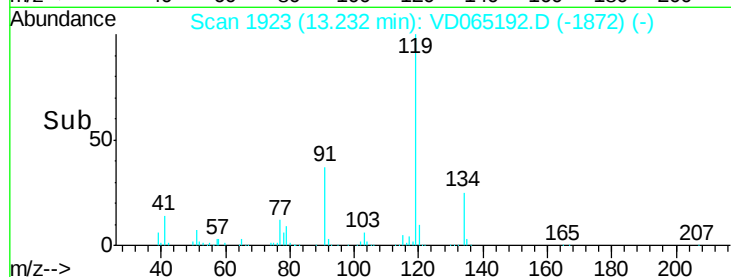
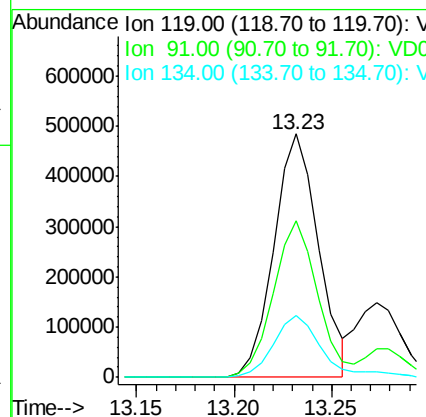
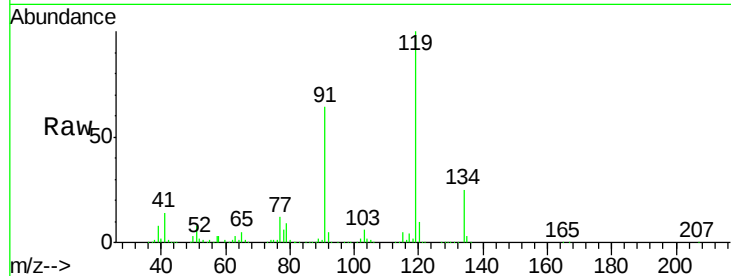
#83
tert-Butylbenzene
Concen: 53.183 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.3	96.9
134	27.7	13.8	41.3

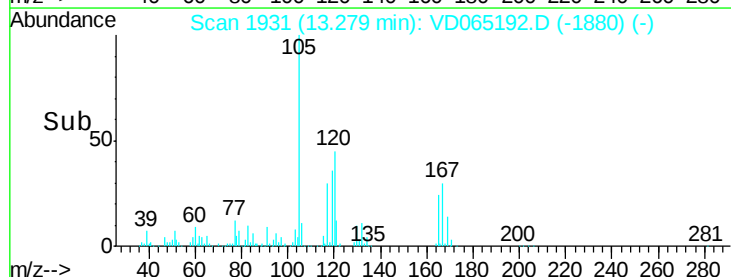
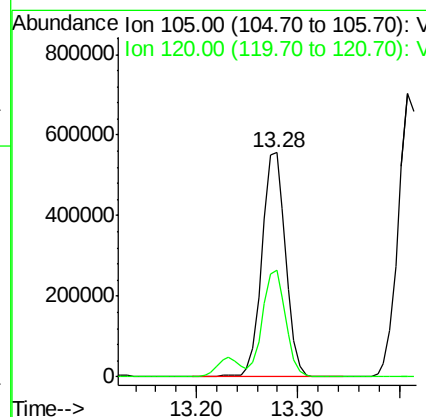
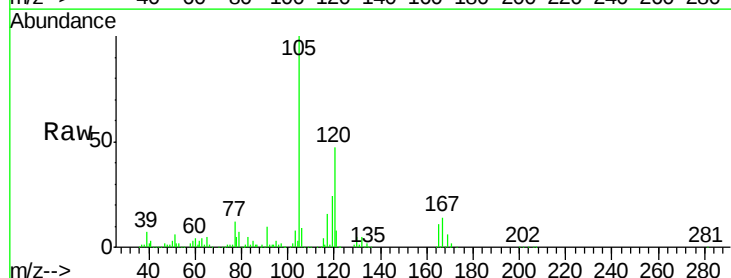
Manual Integrations
APPROVED

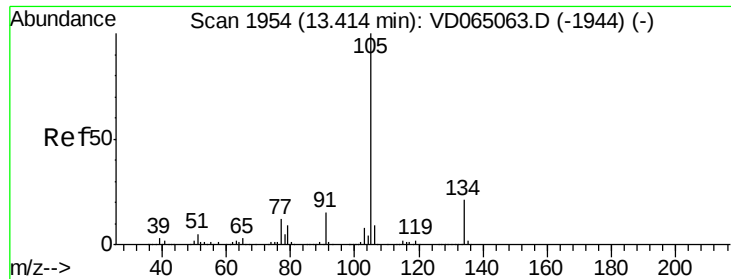
MMDadoda
2/18/2020 10:58:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 54.535 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.5	70.5





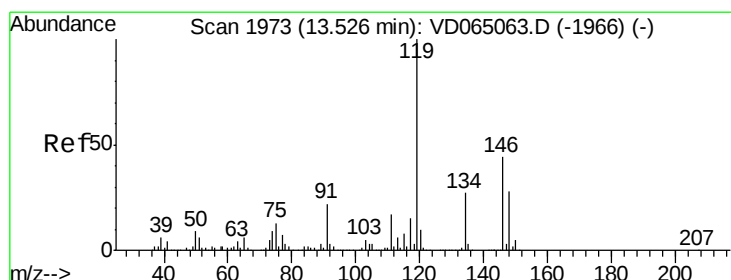
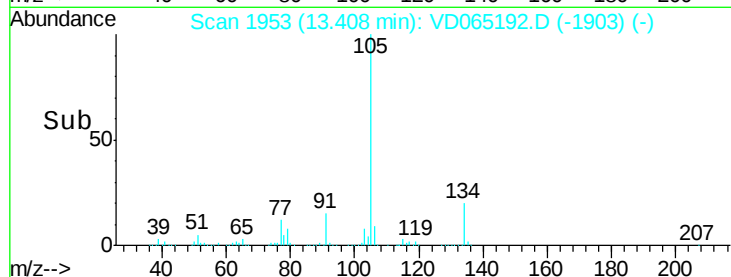
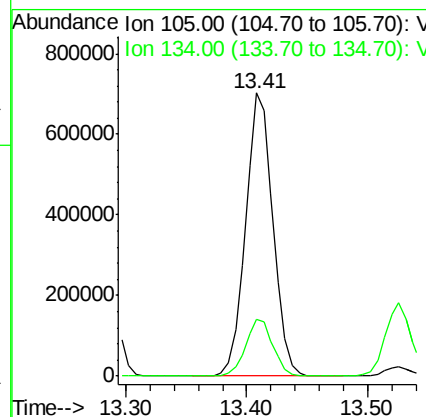
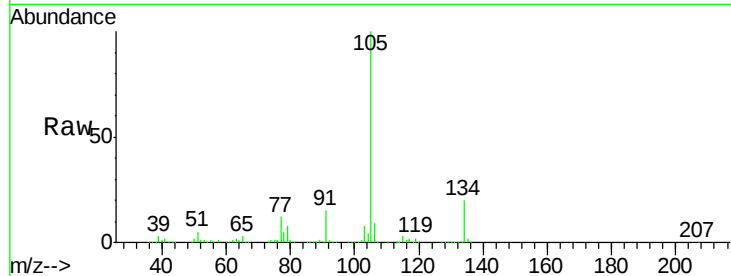
#85
 sec-Butylbenzene
 Concen: 55.952 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1102713
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.4 31.1

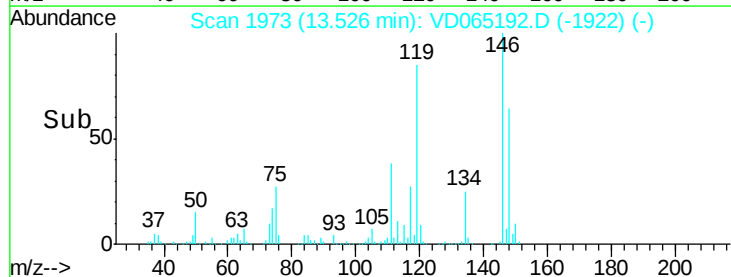
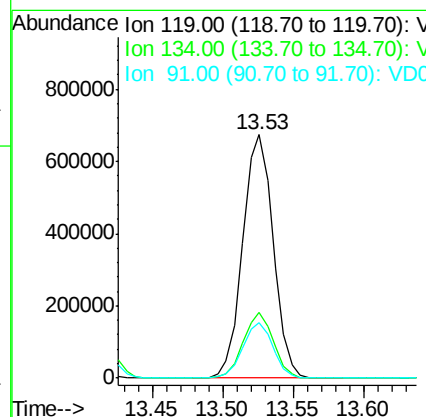
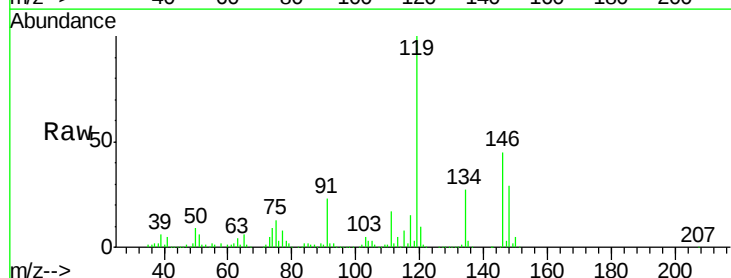
Manual Integrations
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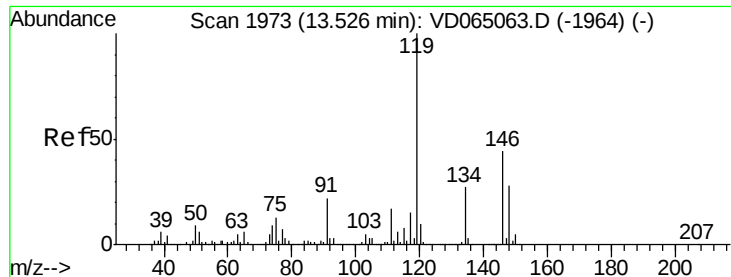
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 2/18/2020 10:58:43 AM



#86
 p-Isopropyltoluene
 Concen: 55.700 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion:119 Resp: 1019928
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.5 40.5
 91 22.3 11.3 33.9





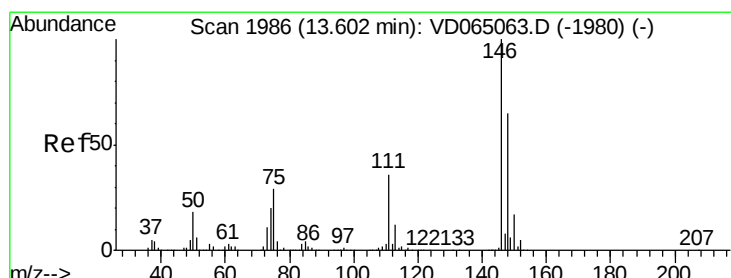
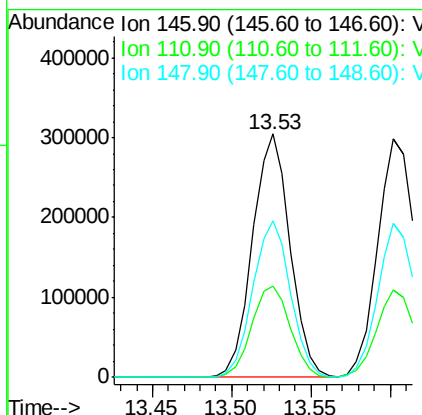
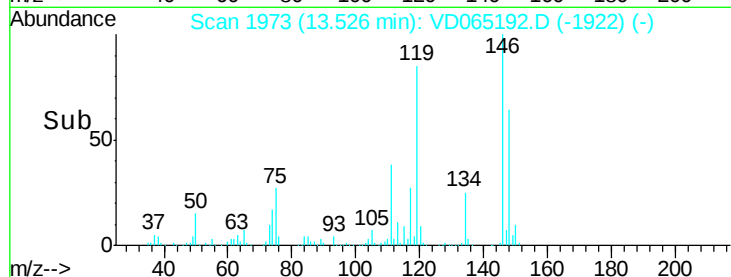
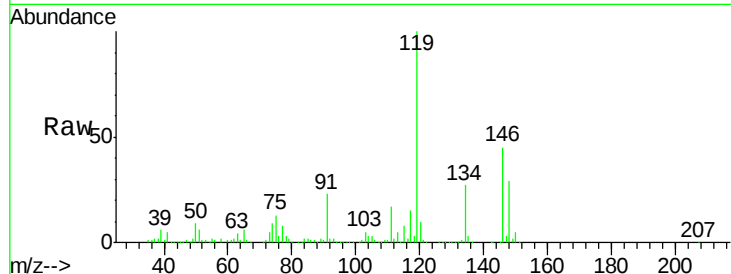
#87
 1,3-Dichlorobenzene
 Concen: 54.372 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.4
148	64.5	32.3	96.8

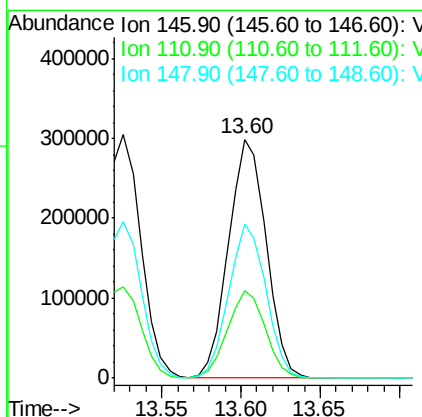
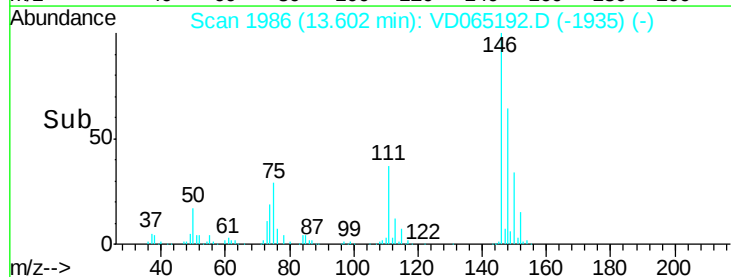
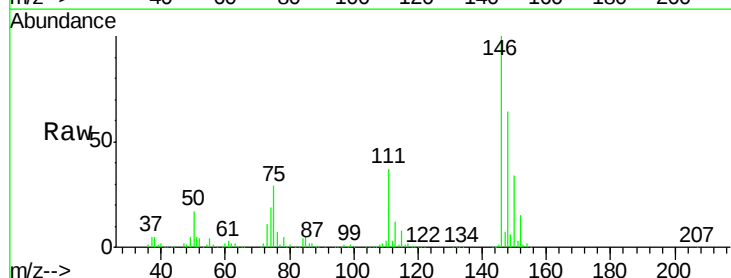
Manual Integrations
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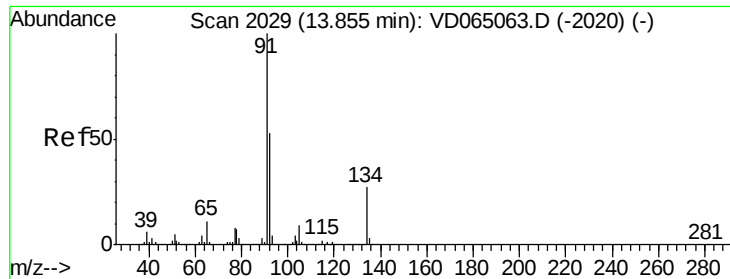
MMDadoda
 2/18/2020 10:58:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.683 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	63.9	32.7	98.1





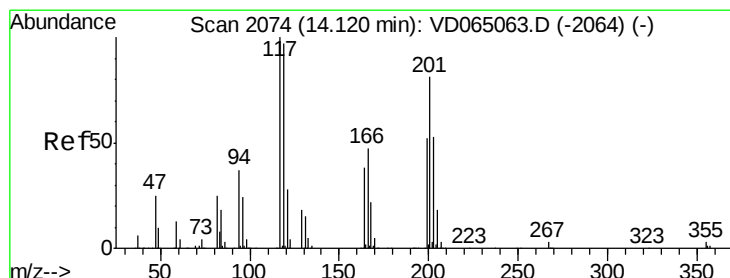
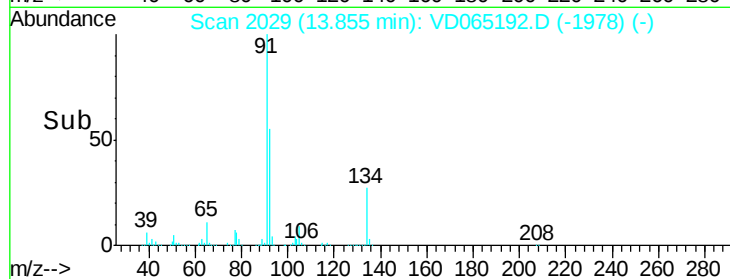
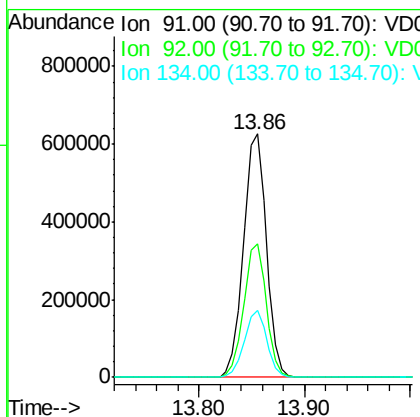
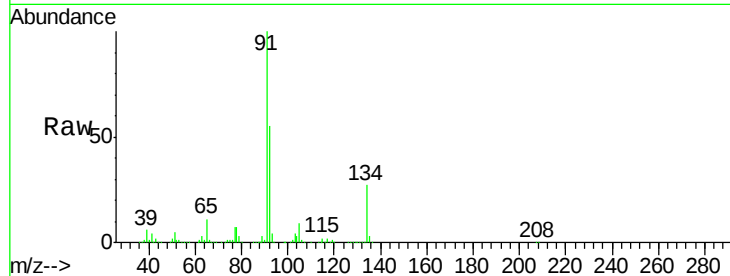
#89
n-Butylbenzene
Concen: 55.660 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.7	80.1
134	26.9	13.4	40.2

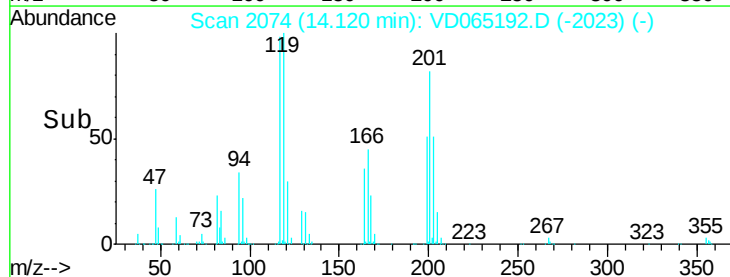
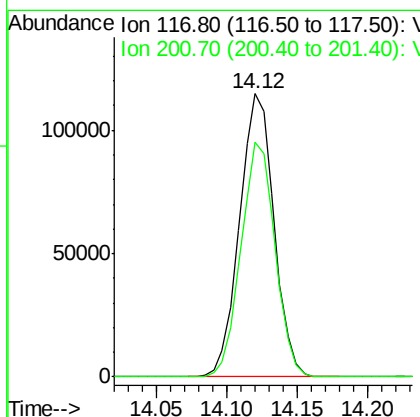
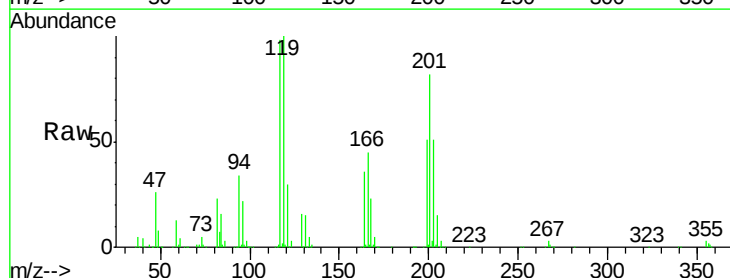
Manual Integrations
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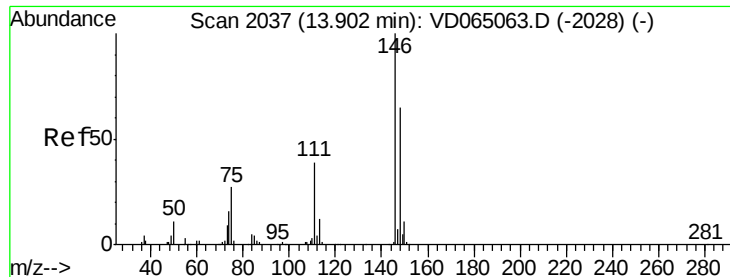
MMDadoda
2/18/2020 10:58:43 AM



#90
Hexachloroethane
Concen: 56.440 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	42.5	127.6





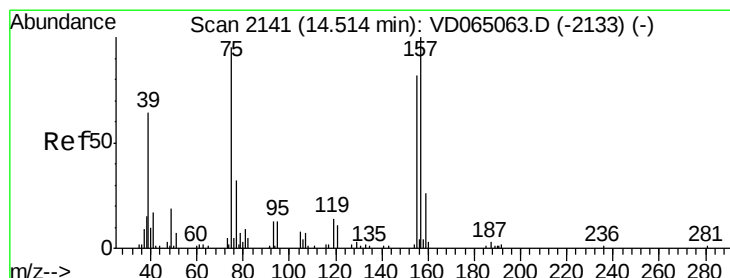
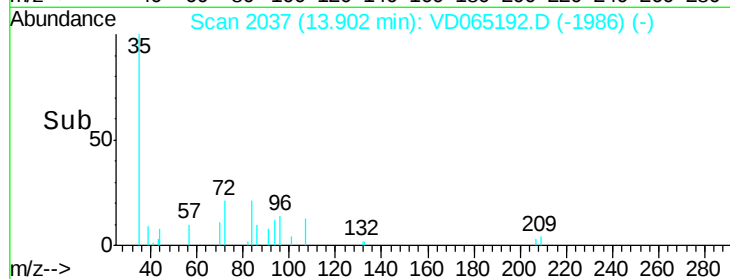
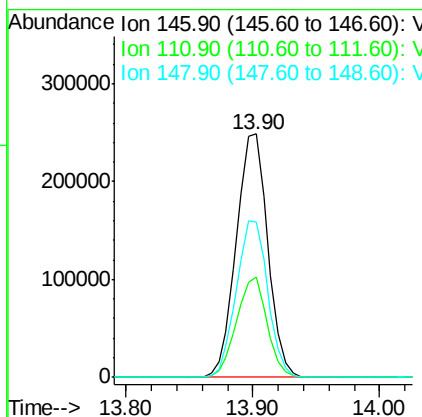
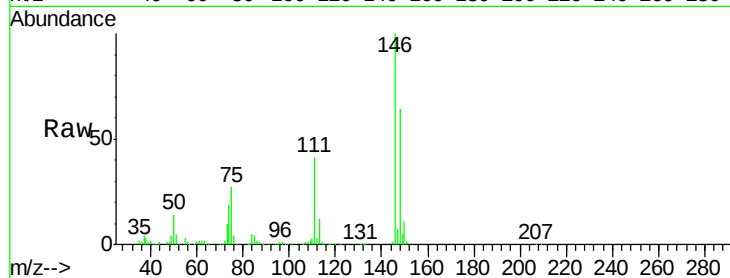
#91
 1,2-Dichlorobenzene
 Concen: 54.184 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.1
148	64.3	31.9	95.5

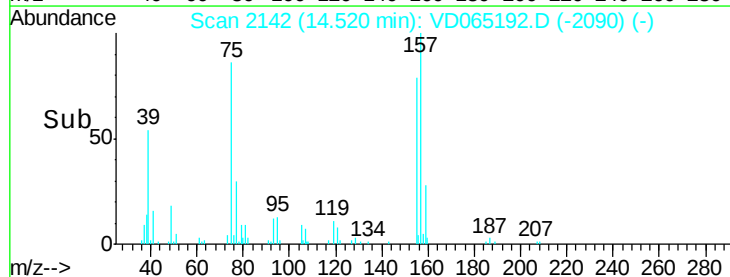
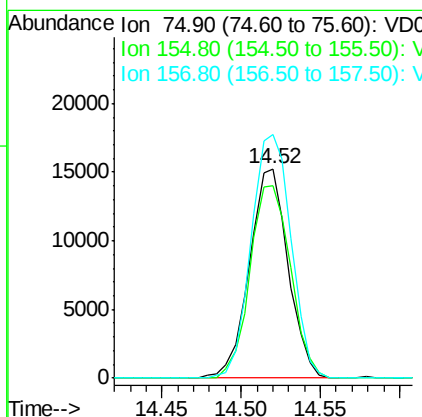
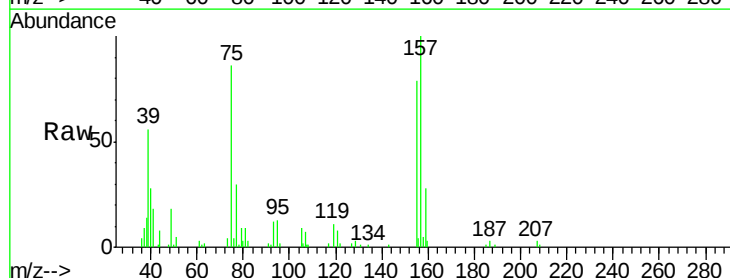
Manual Integrations
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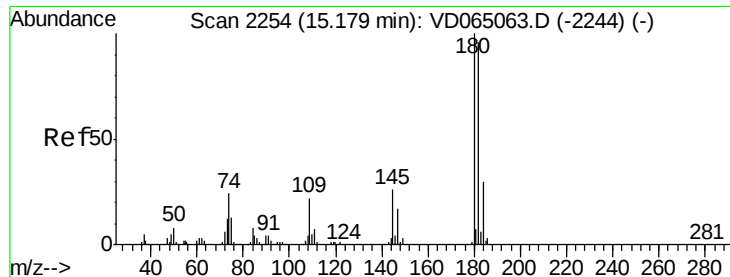
MMDadoda
 2/18/2020 10:58:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.452 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	43.4	130.1
157	119.4	55.8	167.3





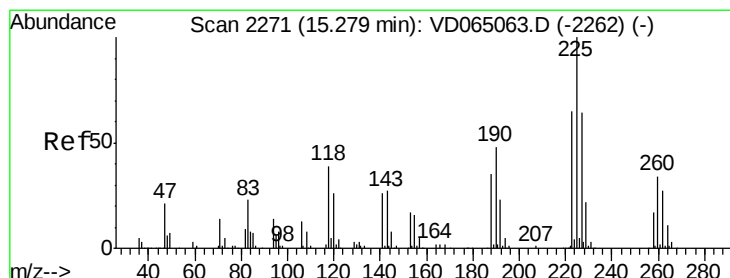
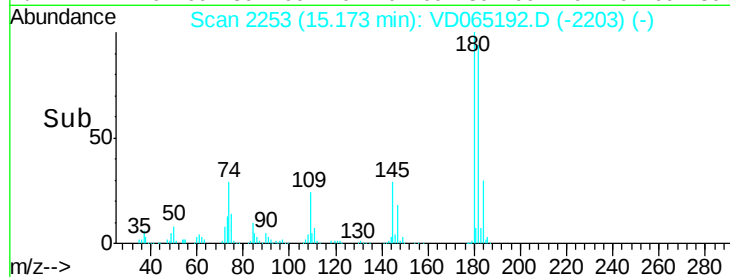
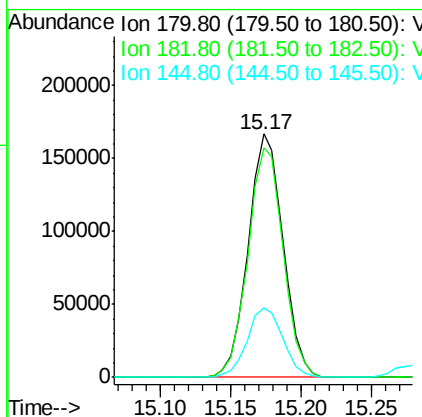
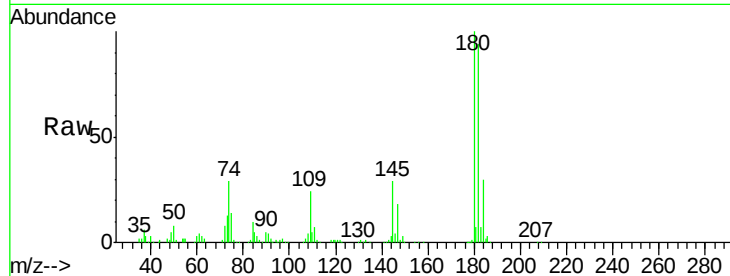
#93
 1,2,4-Trichlorobenzene
 Concen: 51.317 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	289732		
182	95.2	47.4	142.3	
145	29.2	14.1	42.4	

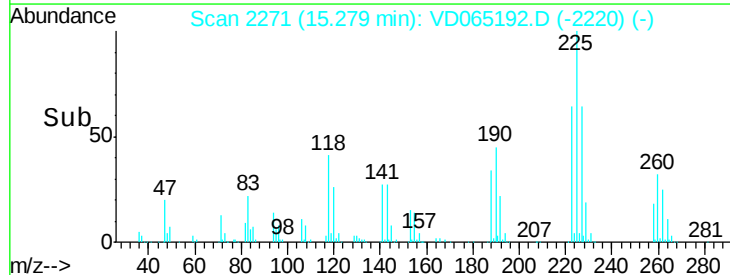
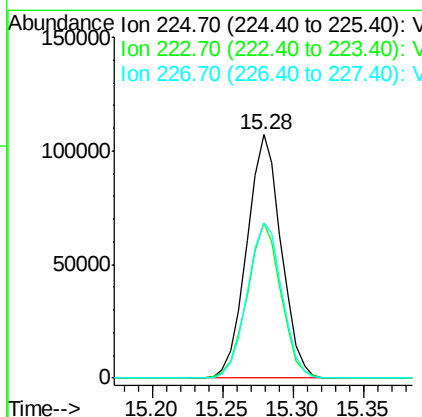
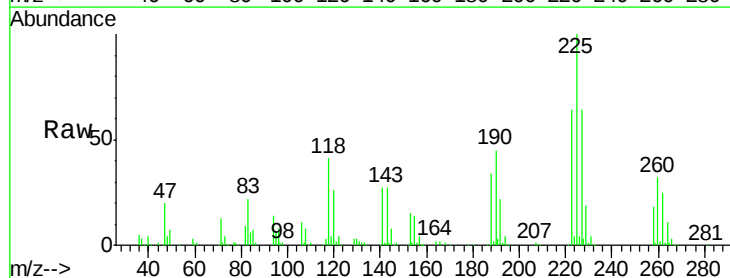
Manual Integrations
 APPROVED

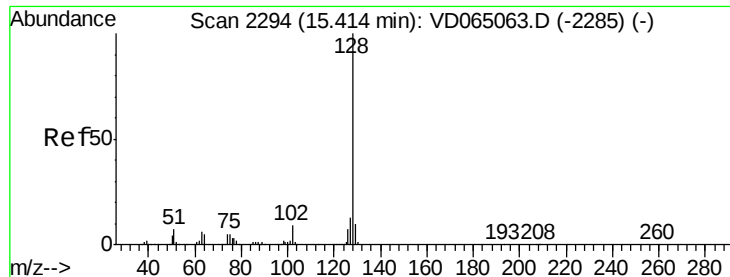
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 2/18/2020 10:58:43 AM



#94
 Hexachlorobutadiene
 Concen: 52.552 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065192.D
 Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	182436		
223	62.9	31.4	94.0	
227	64.8	31.8	95.3	





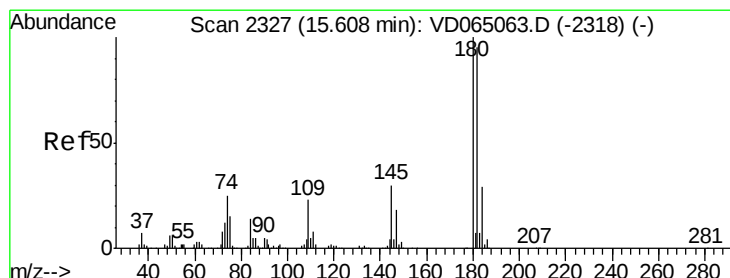
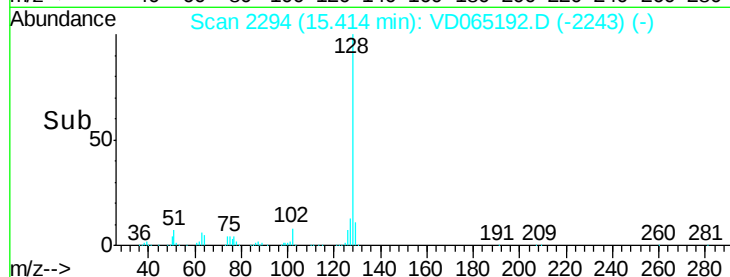
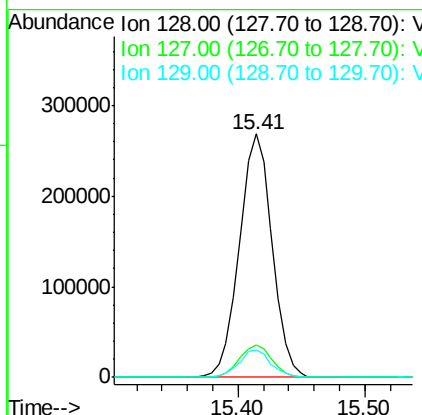
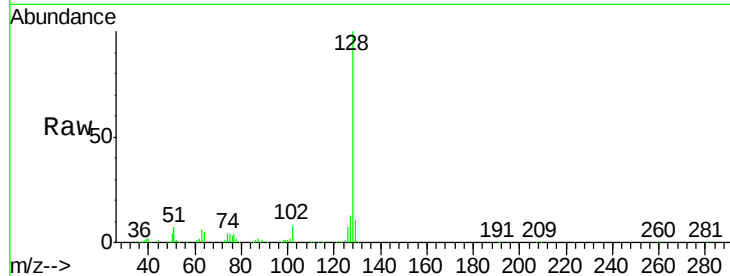
#95
Naphthalene
Concen: 51.102 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
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2/18/2020 10:58:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.766 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065192.D
Acq: 17 Feb 2020 10:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.1	141.4
145	29.6	14.9	44.9

