

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065170.D
 Acq On : 13 Feb 2020 10:08
 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
 2/14/2020 4:17:47 PM

Quant Time: Feb 14 07:21:48 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	481093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	683169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	622602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304200	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	213167	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
35) Dibromofluoromethane	7.92	113	223036	58.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.02%	
50) Toluene-d8	10.34	98	875783	57.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.46%	
62) 4-Bromofluorobenzene	12.64	95	272882	56.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	205067	51.222	ug/l	100
3) Chloromethane	2.21	50	246984	52.408	ug/l	94
4) Vinyl Chloride	2.35	62	258364	51.838	ug/l	99
5) Bromomethane	2.77	94	150472	46.562	ug/l	99
6) Chloroethane	2.93	64	158972	51.420	ug/l	96
7) Trichlorofluoromethane	3.27	101	378189	52.140	ug/l	95
8) Diethyl Ether	3.70	74	101386	48.691	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	230259	51.929	ug/l	99
10) Methyl Iodide	4.30	142	246615	48.728	ug/l	98
11) Tert butyl alcohol	5.25	59	52012	208.193	ug/l	99
12) 1,1-Dichloroethene	4.06	96	216868	51.068	ug/l	95
13) Acrolein	3.93	56	77107	250.935	ug/l	100
14) Allyl chloride	4.71	41	354297	50.198	ug/l	97
15) Acrylonitrile	5.43	53	226048	248.311	ug/l	99
16) Acetone	4.17	43	283531	277.349	ug/l	98
17) Carbon Disulfide	4.40	76	700586	51.381	ug/l	99
18) Methyl Acetate	4.73	43	104729	49.034	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	445450	47.434	ug/l	96
20) Methylene Chloride	4.97	84	234743	52.334	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	247180	51.446	ug/l	95
22) Diisopropyl ether	6.37	45	703205	52.821	ug/l	97
23) Vinyl Acetate	6.31	43	1907037	257.000	ug/l	100
24) 1,1-Dichloroethane	6.27	63	420627	52.199	ug/l	98
25) 2-Butanone	7.22	43	318020	260.791	ug/l	98
26) 2,2-Dichloropropane	7.21	77	379859	52.593	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	257800	50.506	ug/l	99
28) Bromochloromethane	7.55	49	164516	53.858	ug/l	100
29) Tetrahydrofuran	7.57	42	179031	242.774	ug/l	100
30) Chloroform	7.71	83	421606	52.546	ug/l	99
31) Cyclohexane	7.98	56	399480	49.112	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	390109	52.195	ug/l	99
36) 1,1-Dichloropropene	8.11	75	344976	54.306	ug/l	99
37) Ethyl Acetate	7.30	43	129135	49.759	ug/l	98
38) Carbon Tetrachloride	8.10	117	351817	54.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	419834	53.544	ug/l	99
40) Benzene	8.35	78	956158	54.506	ug/l	100
41) Methacrylonitrile	7.53	41	76340	53.394	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	254465	50.909	ug/l	98
43) Isopropyl Acetate	8.46	43	245331	49.418	ug/l	98
44) Trichloroethene	9.11	130	262170	52.067	ug/l	98
45) 1,2-Dichloropropane	9.39	63	236530	56.238	ug/l	99
46) Dibromomethane	9.48	93	119104	53.890	ug/l	97
47) Bromodichloromethane	9.67	83	323125	55.487	ug/l	99
48) Methyl methacrylate	9.46	41	125173	52.398	ug/l	95
49) 1,4-Dioxane	9.47	88	27699	1058.139	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	636811	260.606	ug/l	98
52) Toluene	10.41	92	620791	55.447	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	298854	52.709	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	360351	53.140	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	163057	53.788	ug/l	98
56) Ethyl methacrylate	10.67	69	199259	51.949	ug/l	98
57) 1,3-Dichloropropane	10.95	76	282562	53.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	286512	229.642	ug/l	99
59) 2-Hexanone	10.99	43	507369	293.134	ug/l	99
60) Dibromochloromethane	11.14	129	216398	55.112	ug/l	99
61) 1,2-Dibromoethane	11.26	107	156294	52.764	ug/l	99
64) Tetrachloroethene	10.88	164	225496	50.405	ug/l	98
65) Chlorobenzene	11.68	112	634018	52.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	237224	53.375	ug/l	99
67) Ethyl Benzene	11.75	91	1167226	53.351	ug/l	99
68) m/p-Xylenes	11.86	106	906500	108.559	ug/l	98
69) o-Xylene	12.19	106	399218	53.090	ug/l	100
70) Styrene	12.20	104	709932	54.321	ug/l	99
71) Bromoform	12.37	173	124513	52.049	ug/l #	99
73) Isopropylbenzene	12.48	105	1097687	52.573	ug/l	100
74) N-amyl acetate	12.30	43	221013	48.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172715	52.560	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	98135m	42.610	ug/l	
77) Bromobenzene	12.77	156	253974	50.487	ug/l	99
78) n-propylbenzene	12.83	91	1321934	54.064	ug/l	99
79) 2-Chlorotoluene	12.91	91	718896	52.746	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	904986	52.981	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56768	49.295	ug/l	97
82) 4-Chlorotoluene	13.01	91	753698	52.654	ug/l	100
83) tert-Butylbenzene	13.23	119	786998	53.404	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	898964	53.011	ug/l	100
85) sec-Butylbenzene	13.41	105	1089123	54.112	ug/l	100
86) p-Isopropyltoluene	13.53	119	1008060	53.905	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	493199	52.364	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	482730	51.495	ug/l	99
89) n-Butylbenzene	13.86	91	940157	54.468	ug/l	99
90) Hexachloroethane	14.13	117	191100	53.966	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	420481	52.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25425	47.397	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	282844	49.054	ug/l	98
94) Hexachlorobutadiene	15.28	225	181511	51.196	ug/l	99
95) Naphthalene	15.41	128	453285	47.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	240785	48.820	ug/l	97

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

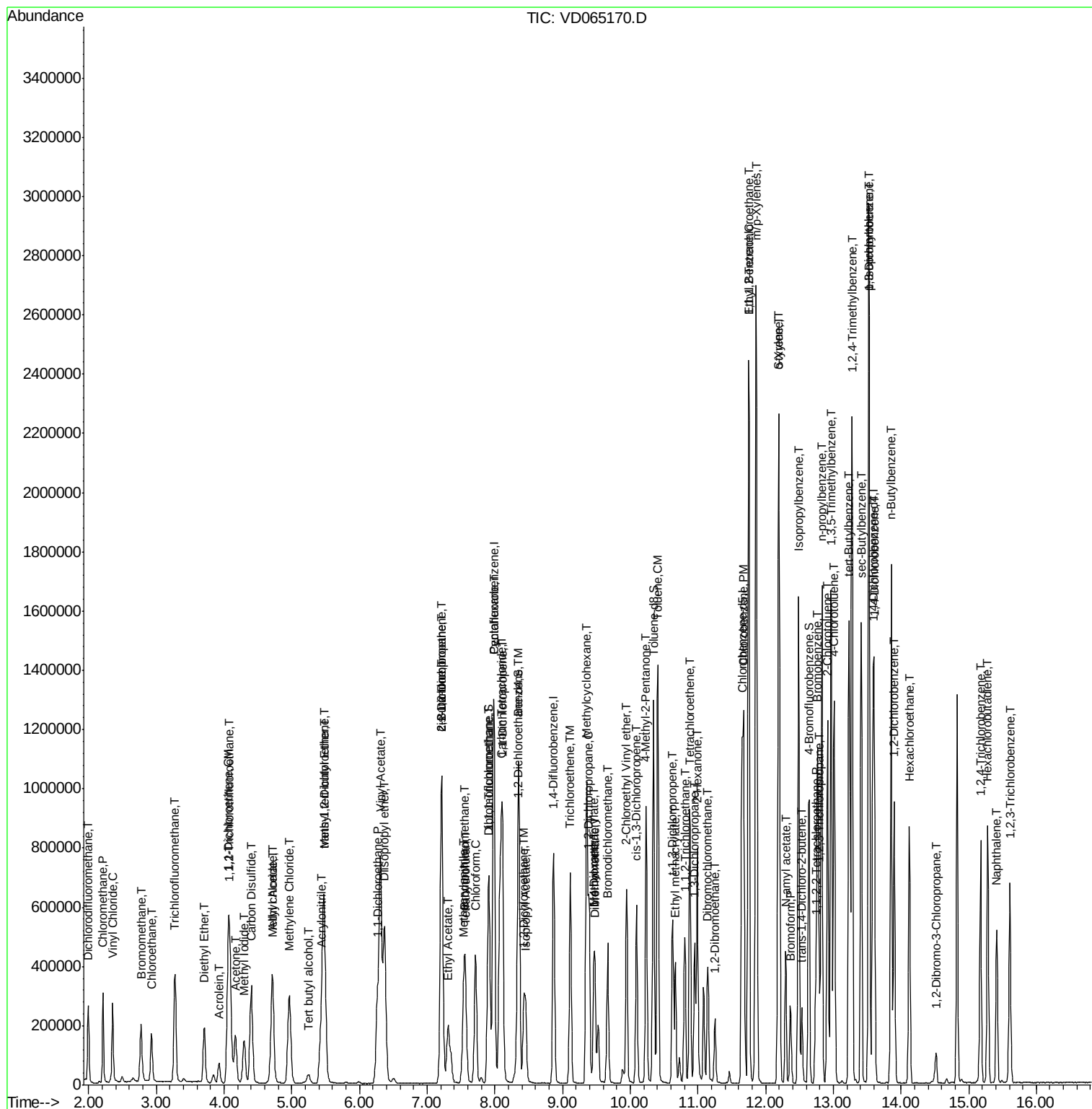
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021320\
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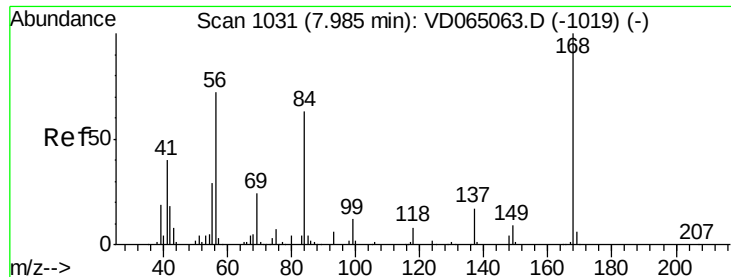
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 481093

Ion Ratio Lower Upper

168 100

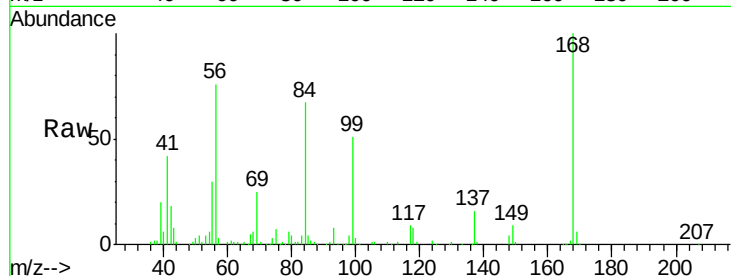
99 50.6 41.0 61.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

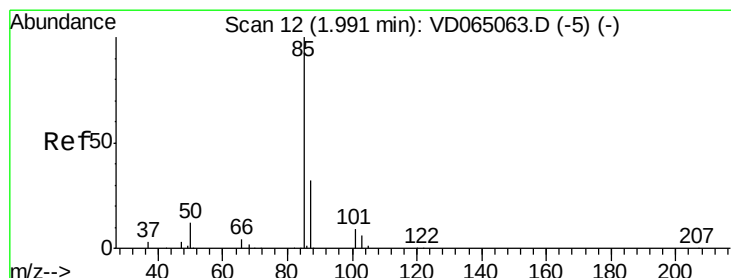
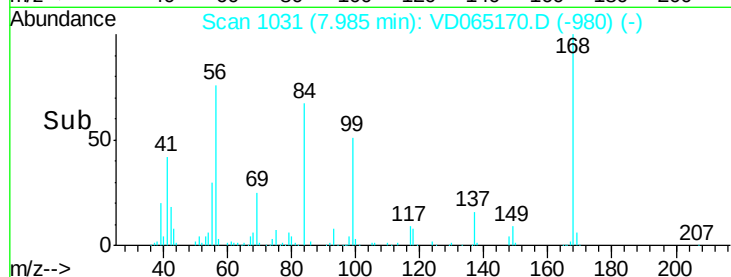
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.222 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065170.D

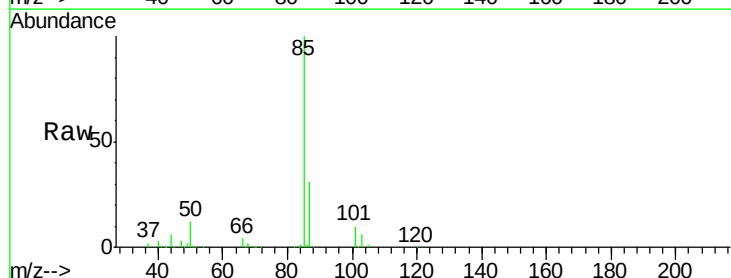
Acq: 13 Feb 2020 10:08

Tgt Ion: 85 Resp: 205067

Ion Ratio Lower Upper

85 100

87 31.3 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

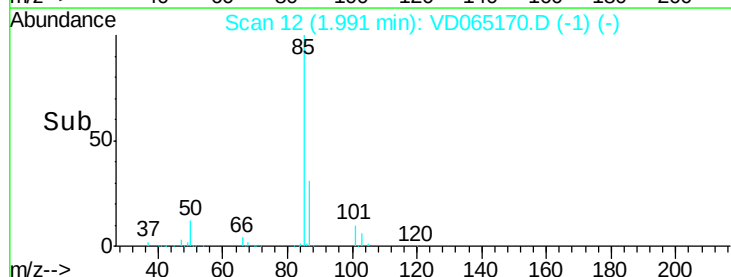
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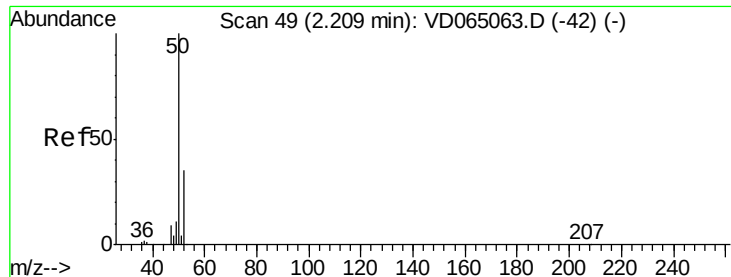
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 52.408 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 246984

Ion Ratio Lower Upper

50 100

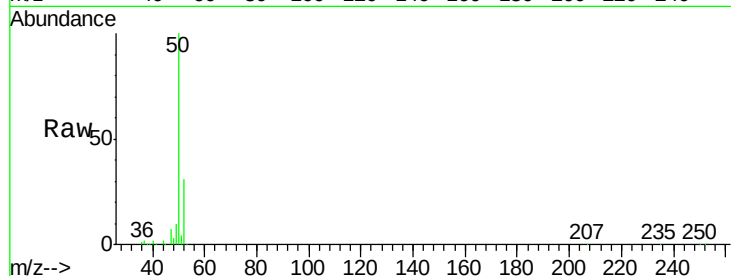
52 31.5 27.8 41.6

Manual Integrations

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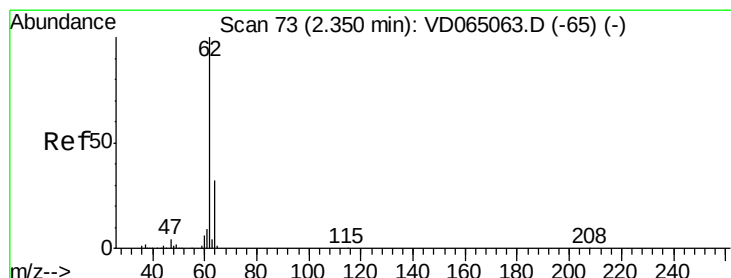
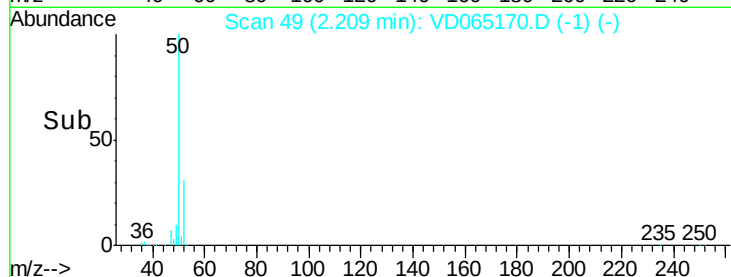
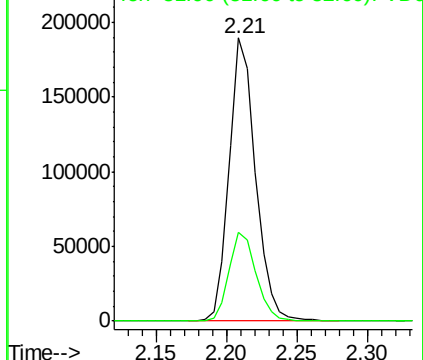
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.838 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065170.D

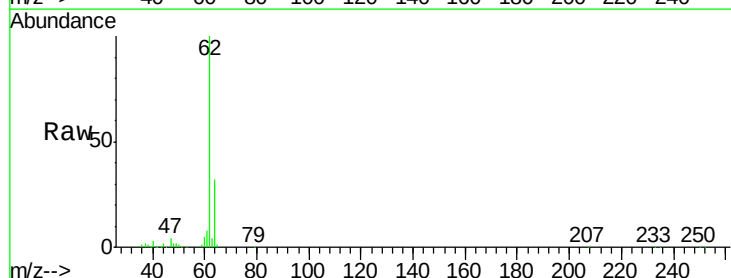
Acq: 13 Feb 2020 10:08

Tgt Ion: 62 Resp: 258364

Ion Ratio Lower Upper

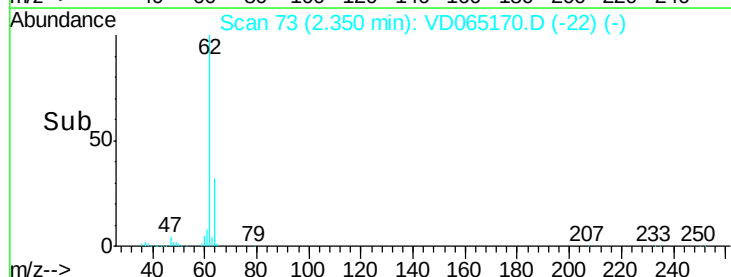
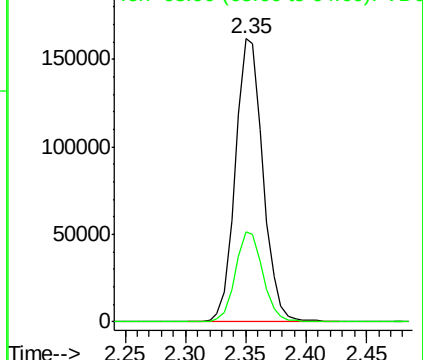
62 100

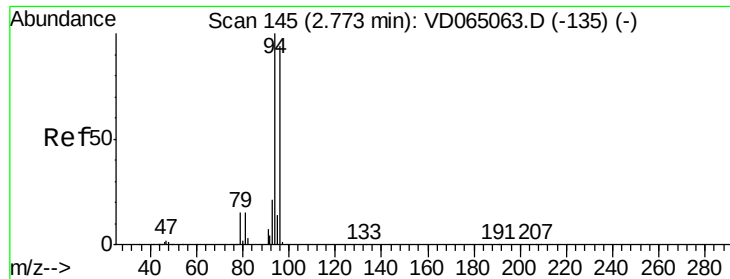
64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.562 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 150472

Ion Ratio Lower Upper

94 100

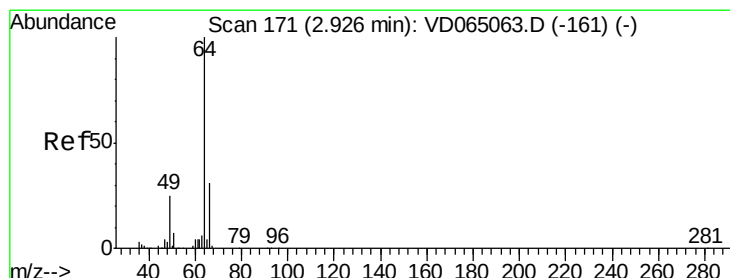
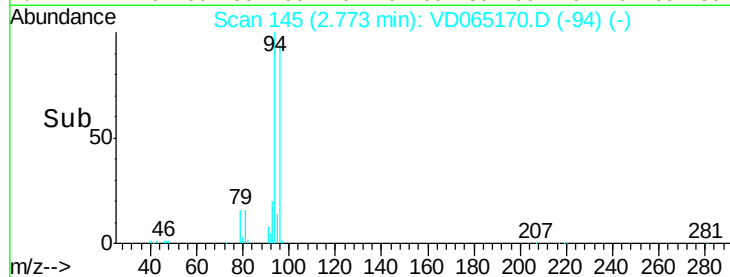
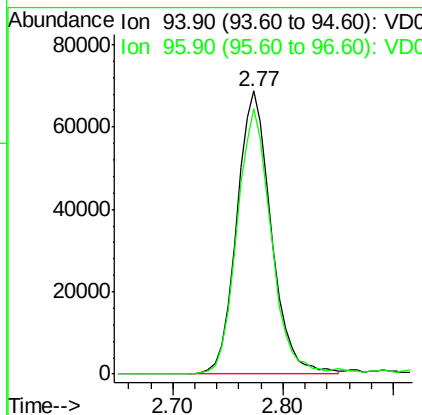
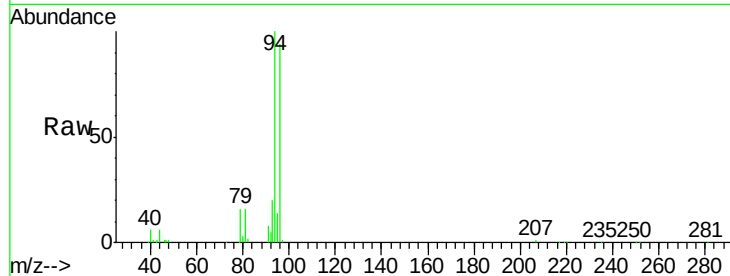
96 93.6 75.4 113.0

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#6

Chloroethane

Concen: 51.420 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065170.D

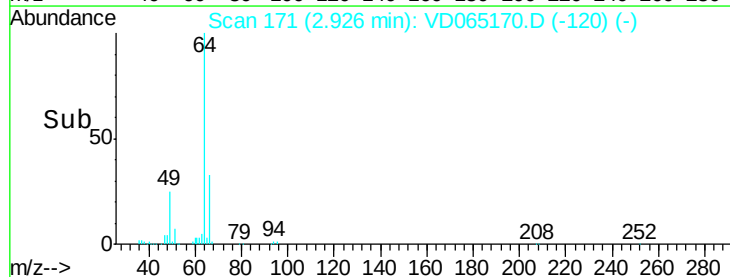
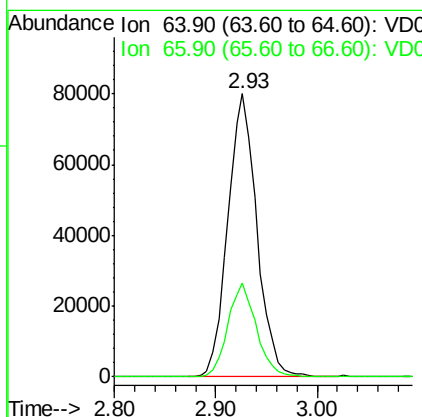
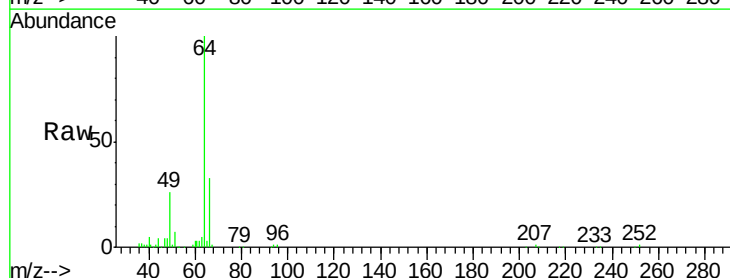
Acq: 13 Feb 2020 10:08

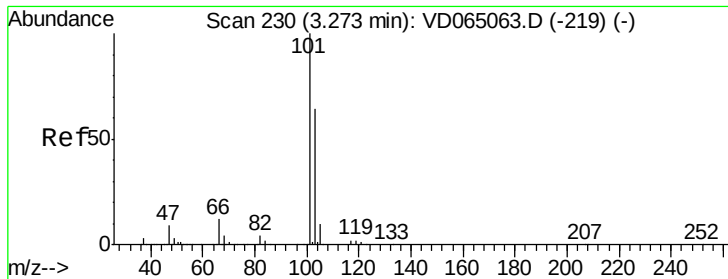
Tgt Ion: 64 Resp: 158972

Ion Ratio Lower Upper

64 100

66 33.4 24.8 37.2





#7

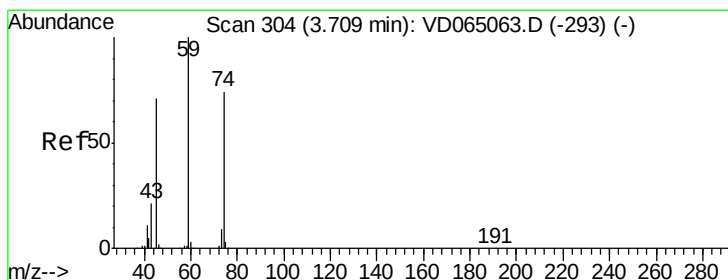
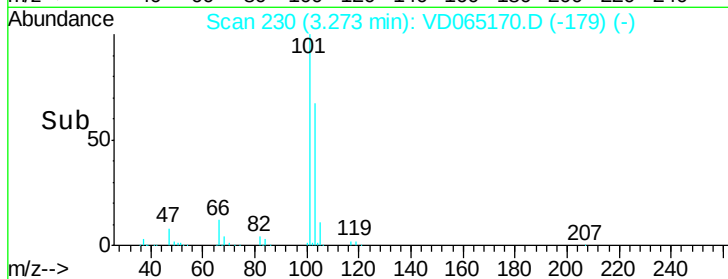
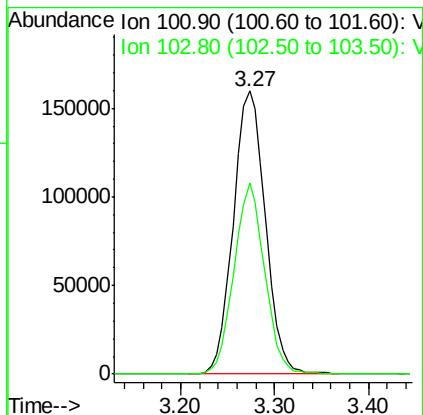
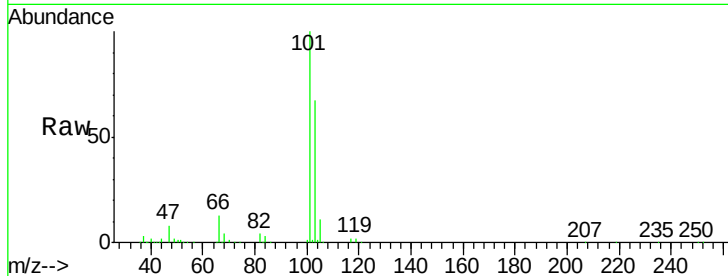
Trichlorofluoromethane
Concen: 52.140 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065170.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.0	76.6

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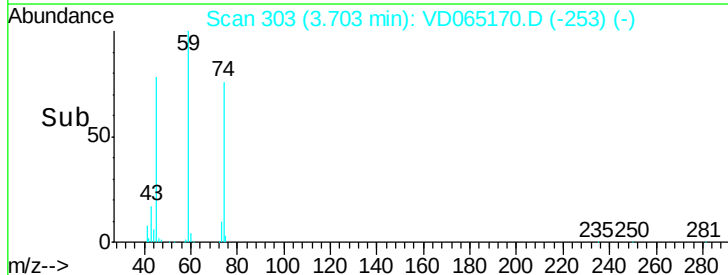
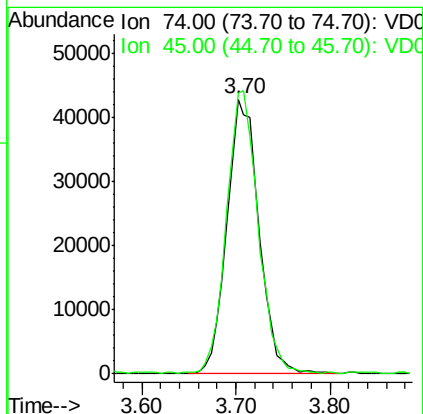
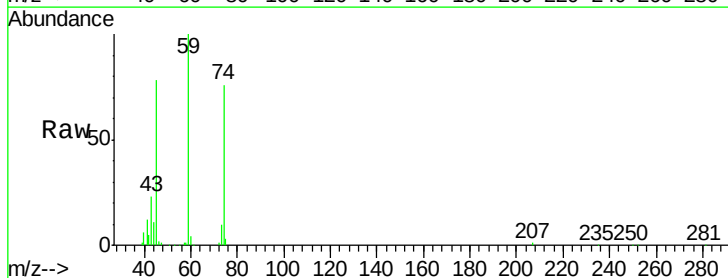
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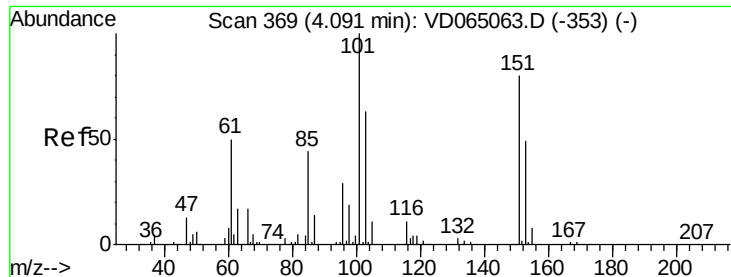


#8

Diethyl Ether
Concen: 48.691 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.929 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

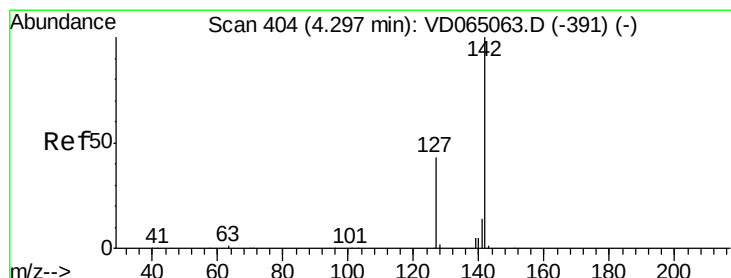
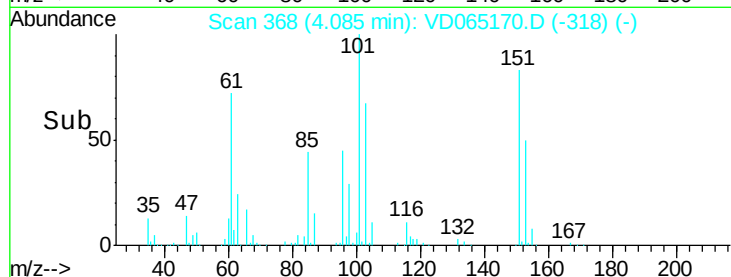
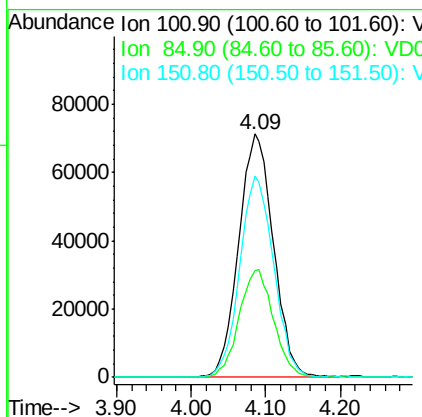
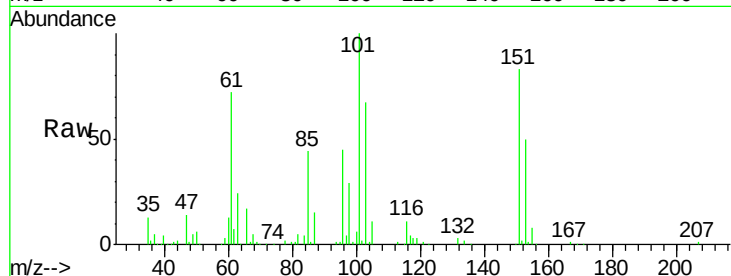
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	230259
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.0	51.0
151	80.9	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 48.728 ug/l

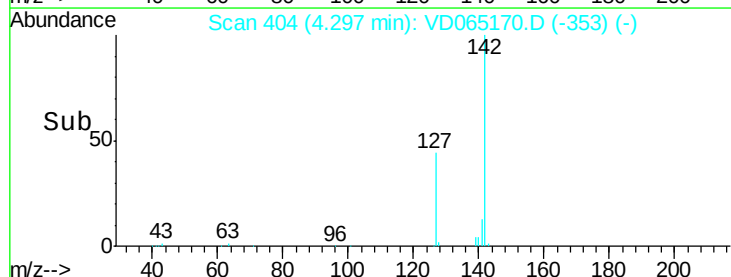
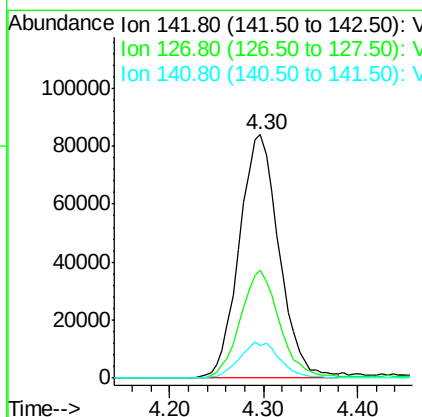
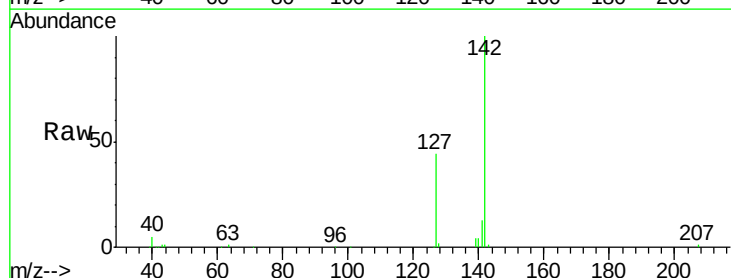
RT: 4.30 min Scan# 404

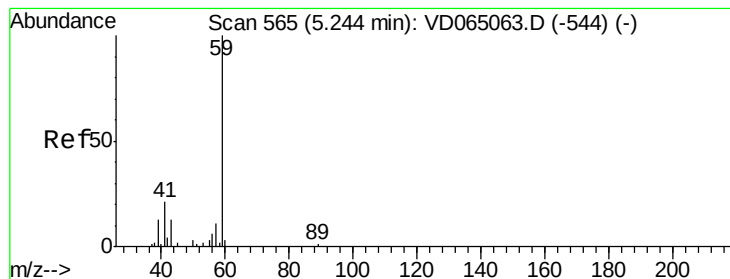
Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion:	142	Resp:	246615
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.0	51.0
141	14.9	11.6	17.4





#11

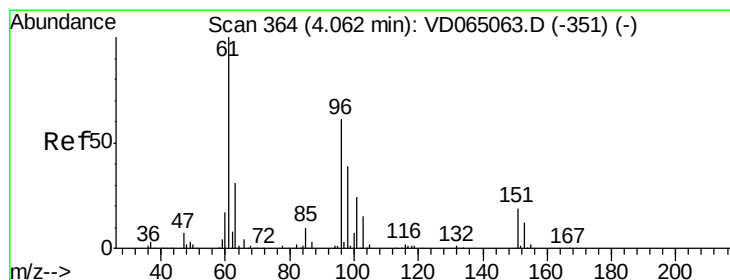
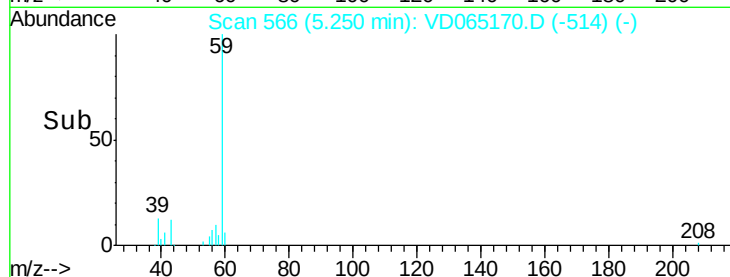
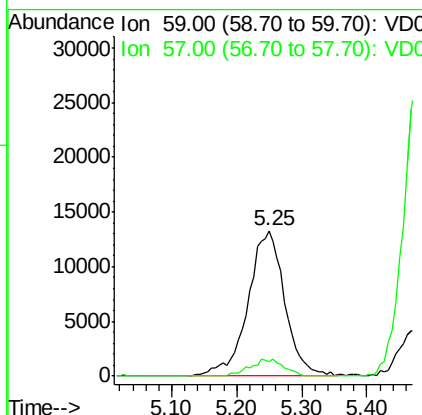
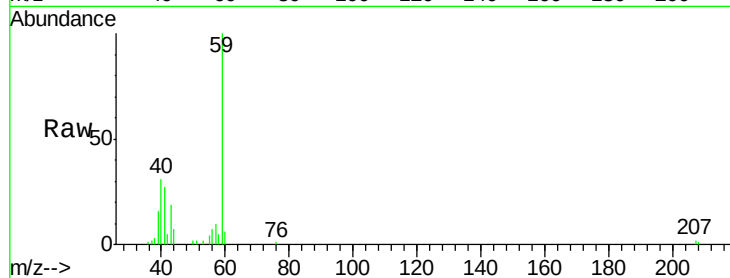
Tert butyl alcohol
Concen: 208.193 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2

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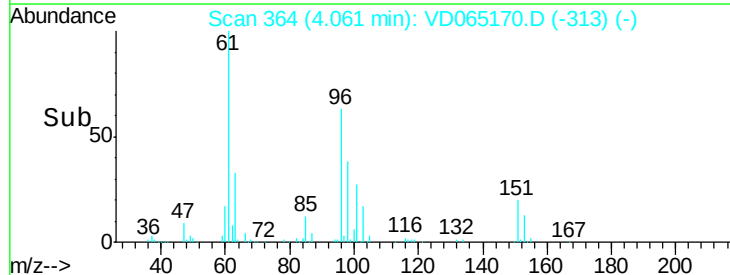
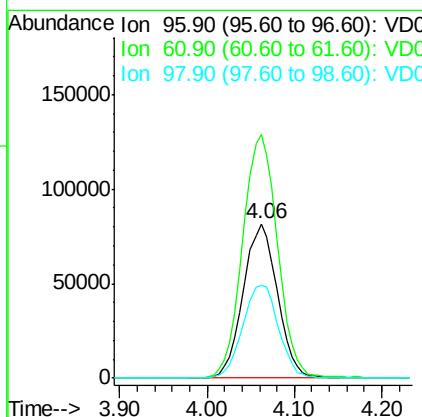
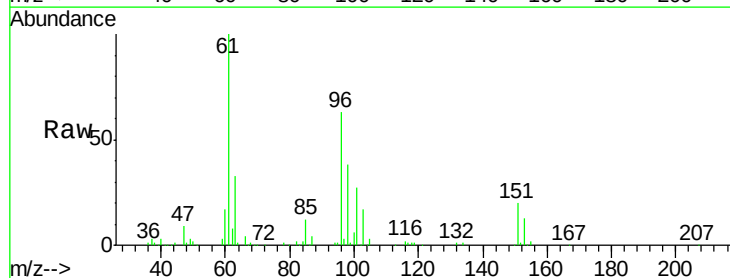
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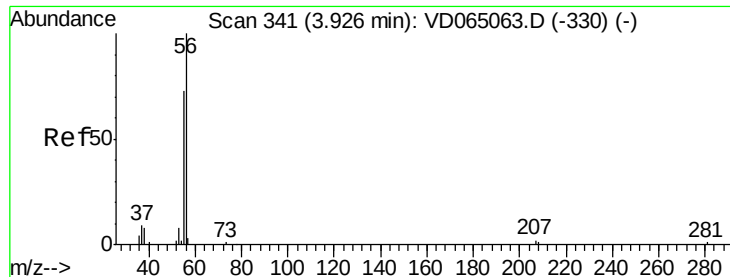


#12

1,1-Dichloroethene
Concen: 51.068 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	131.4	197.2
98	59.8	51.1	76.7





#13

Acrolein

Concen: 250.935 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77107

Ion Ratio Lower Upper

56 100

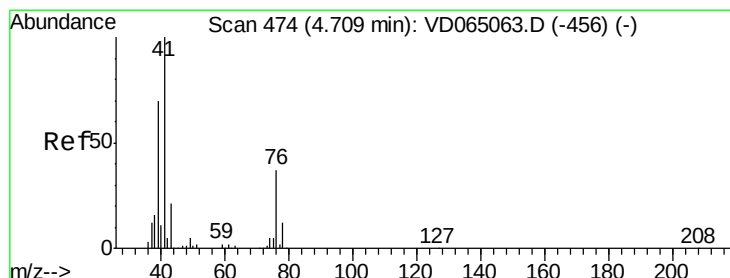
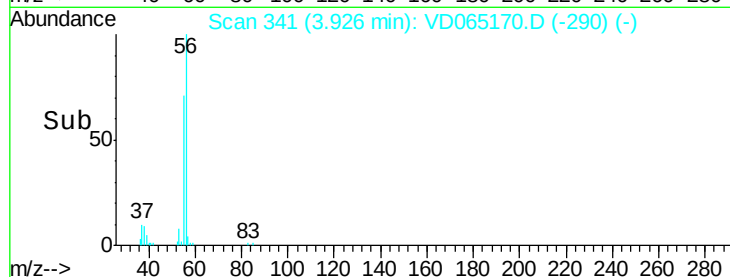
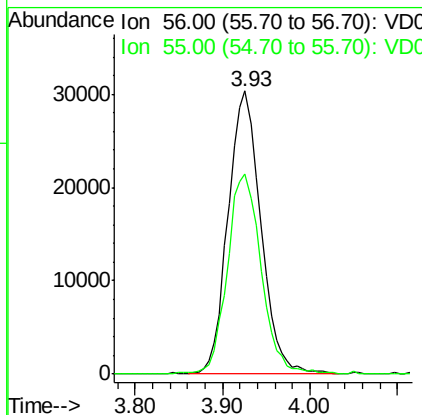
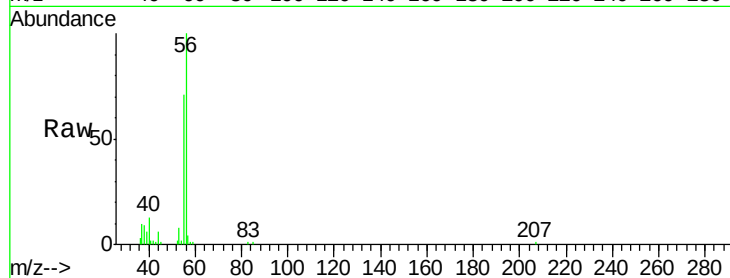
55 72.9 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 50.198 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

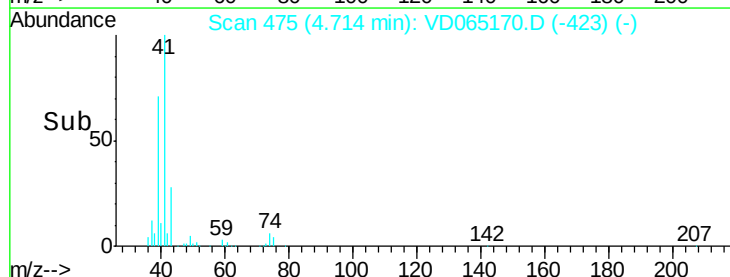
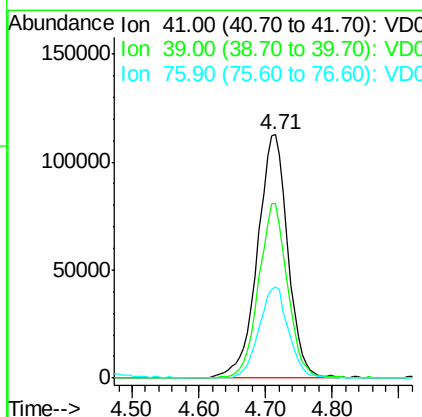
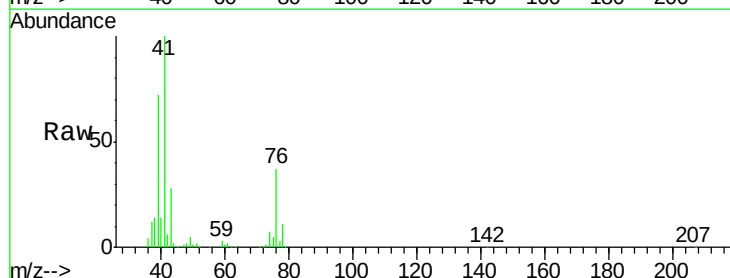
Tgt Ion: 41 Resp: 354297

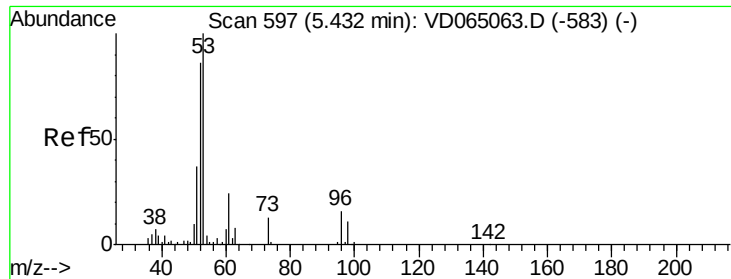
Ion Ratio Lower Upper

41 100

39 68.2 57.1 85.7

76 35.6 28.0 42.0





#15

Acrylonitrile

Concen: 248.311 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

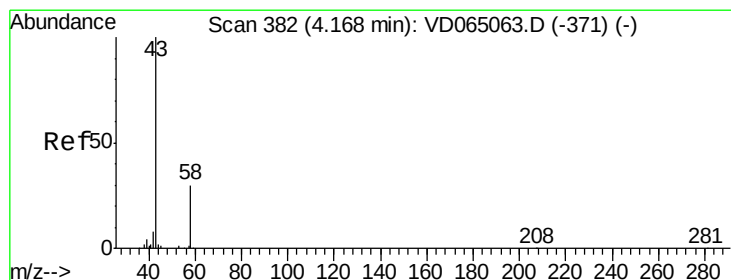
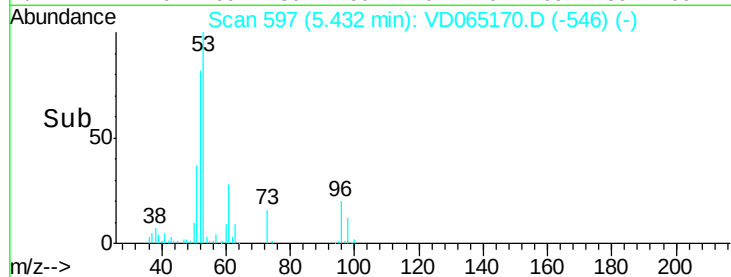
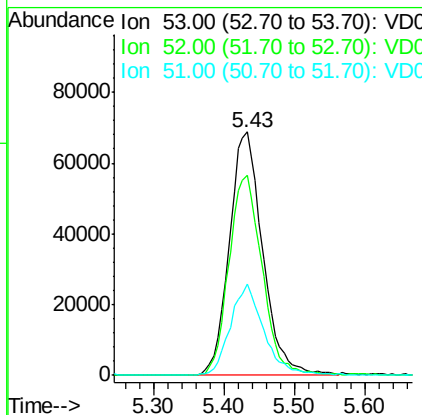
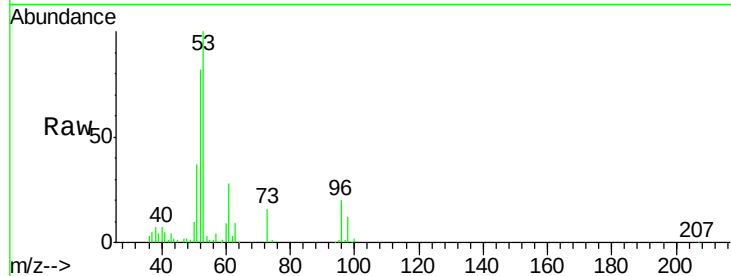
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.0	66.2	99.2	
51	37.5	30.4	45.6	

Manual Integrations
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#16

Acetone

Concen: 277.349 ug/l

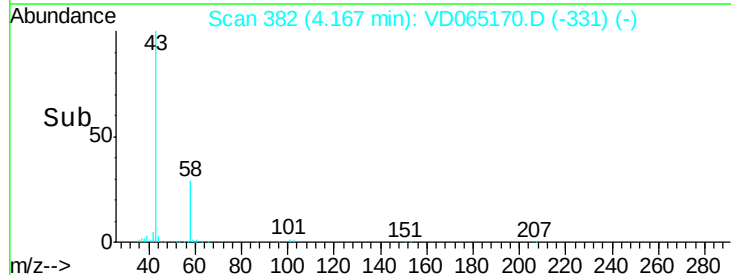
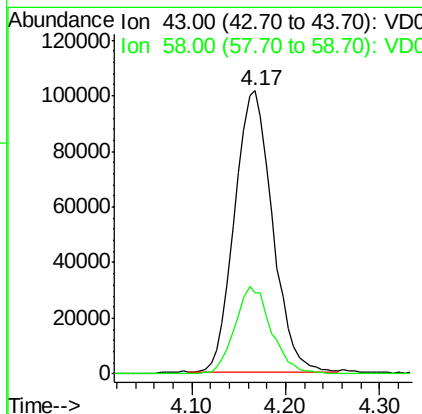
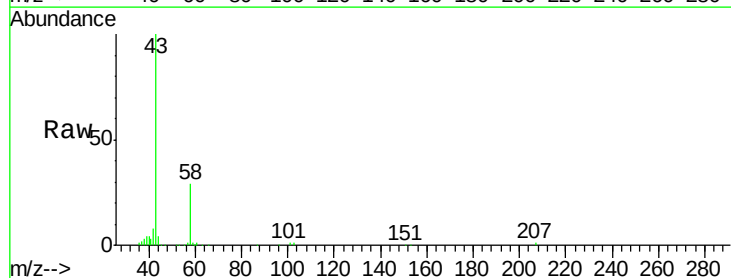
RT: 4.17 min Scan# 382

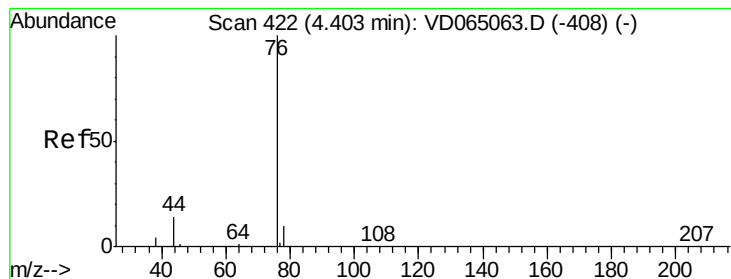
Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	28.5	23.5	35.3	





#17

Carbon Disulfide

Concen: 51.381 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 700586

Ion Ratio Lower Upper

76 100

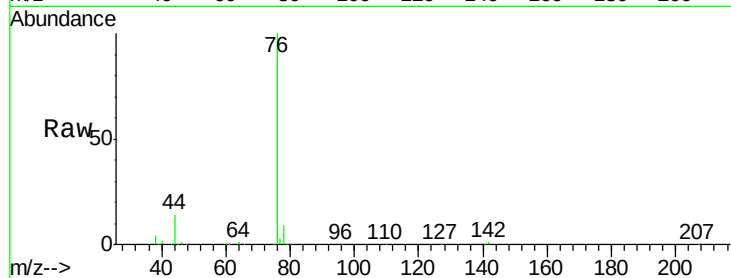
78 9.1 7.6 11.4

Manual Integrations

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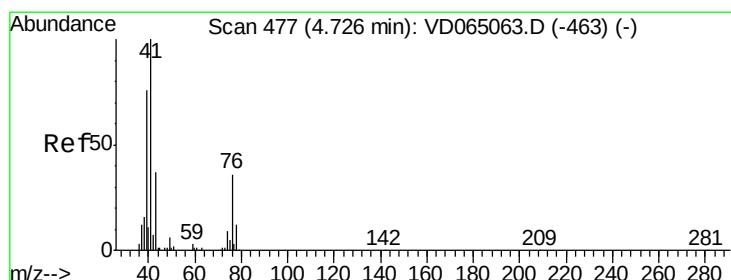
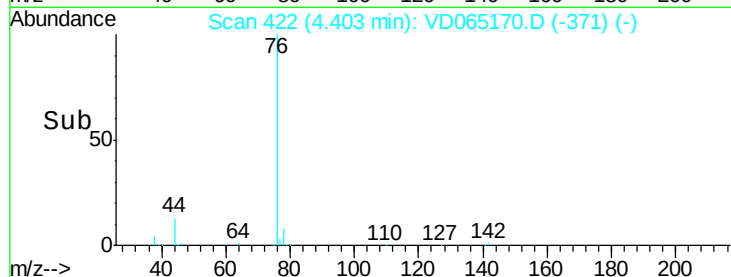
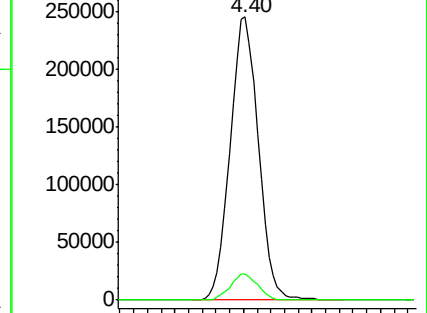
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 49.034 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065170.D

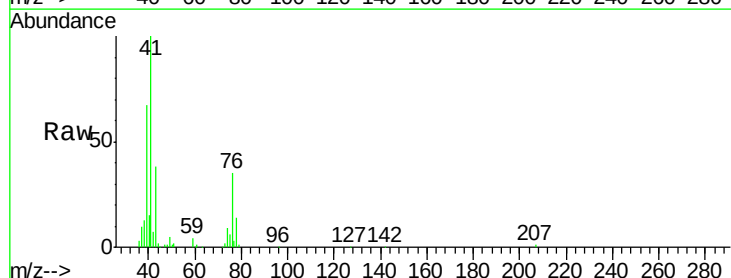
Acq: 13 Feb 2020 10:08

Tgt Ion: 43 Resp: 104729

Ion Ratio Lower Upper

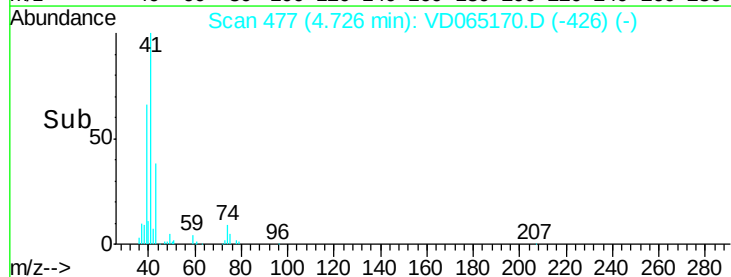
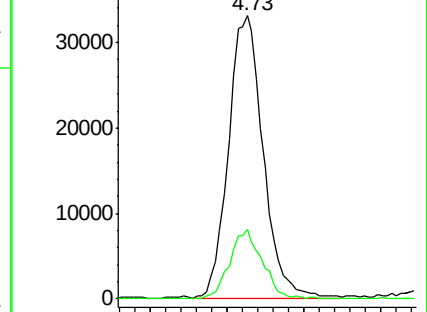
43 100

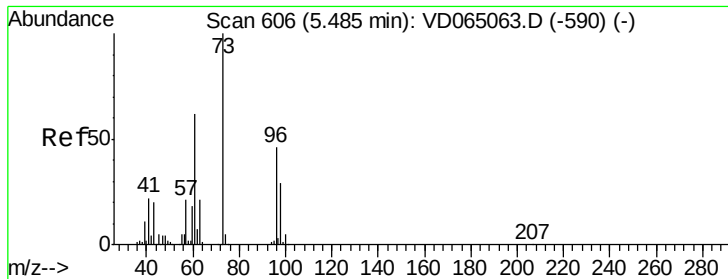
74 22.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

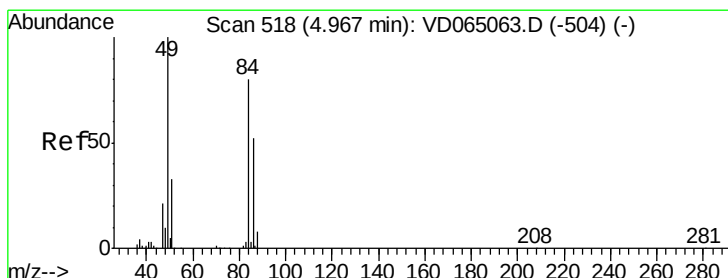
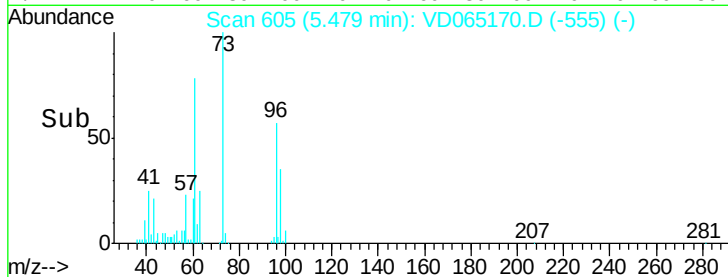
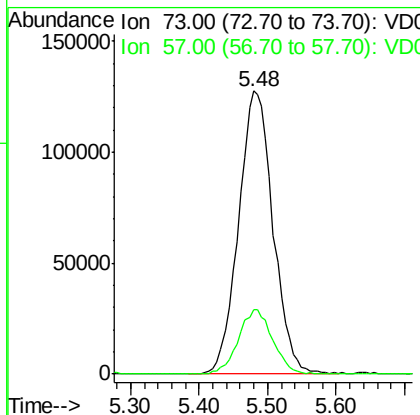
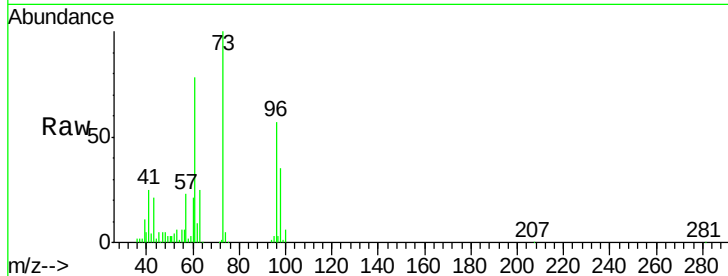
Methyl tert-butyl Ether
 Concen: 47.434 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	16.8	25.2

Manual Integrations
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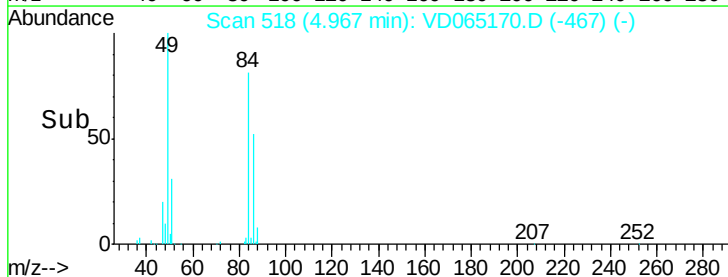
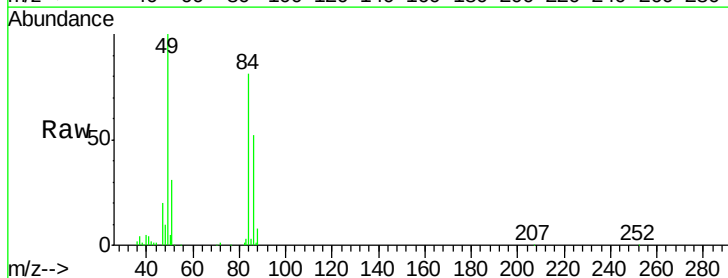
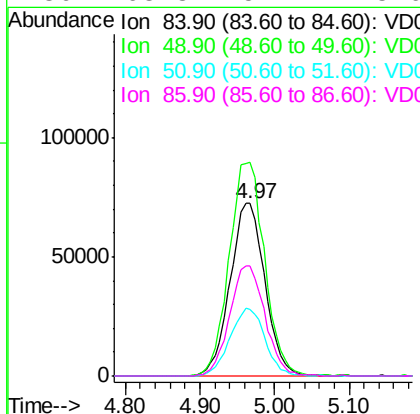
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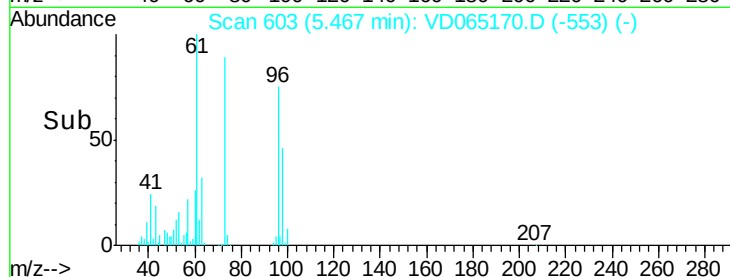
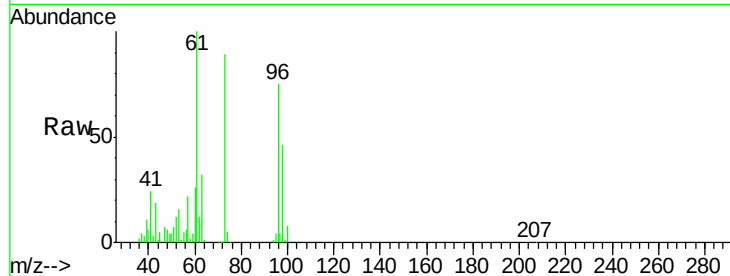
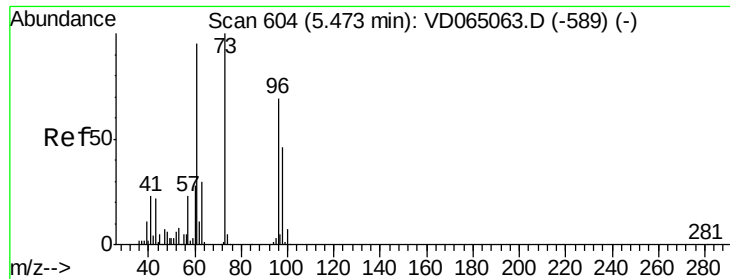


#20

Methylene Chloride
 Concen: 52.334 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.6	100.4	150.6
51	38.7	32.7	49.1
86	63.8	52.4	78.6





#21

trans-1,2-Dichloroethene

Concen: 51.446 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tot Ion:	96	Resp:	247180
Ion	Ratio	Lower	Upper
96	100		
61	132.7	109.5	164.3
98	61.0	53.7	80.5

Instrument :

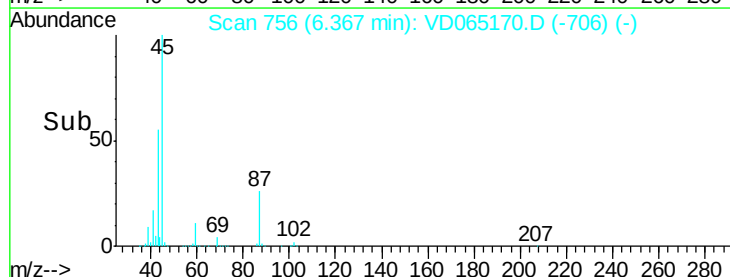
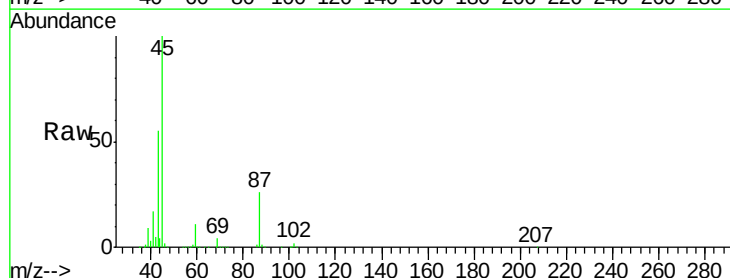
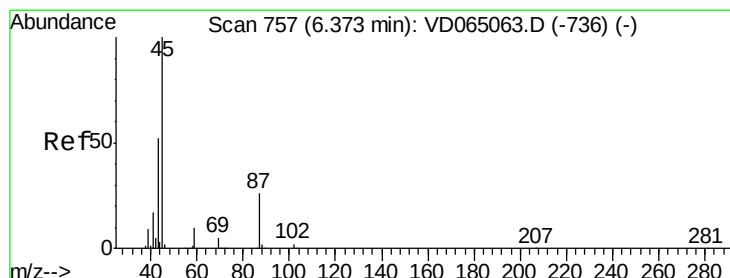
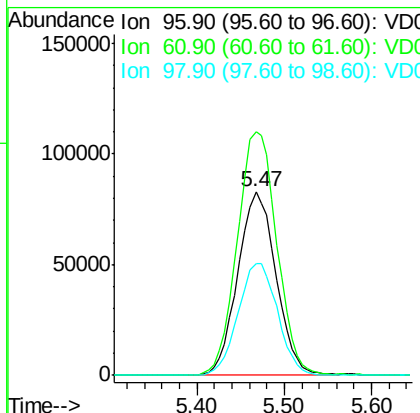
MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.821 ug/l

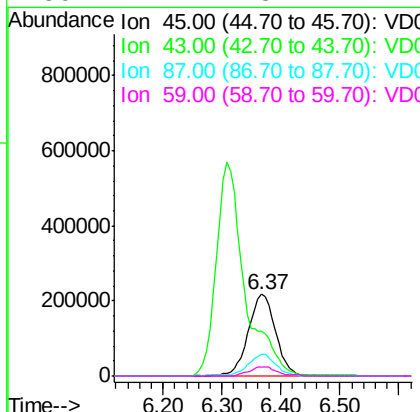
RT: 6.37 min Scan# 756

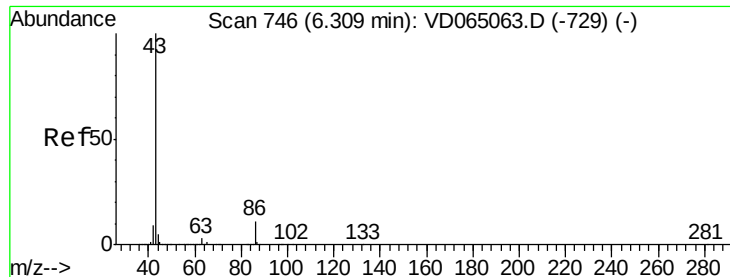
Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion:	45	Resp:	703205
Ion	Ratio	Lower	Upper
45	100		
43	54.5	41.3	61.9
87	26.0	21.0	31.6
59	11.4	8.2	12.4





#23

Vinyl Acetate

Concen: 257.000 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1907037

Ion Ratio Lower Upper

43 100

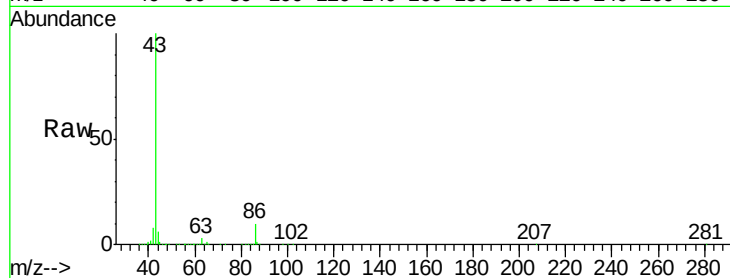
86 10.4 8.5 12.7

Manual Integrations

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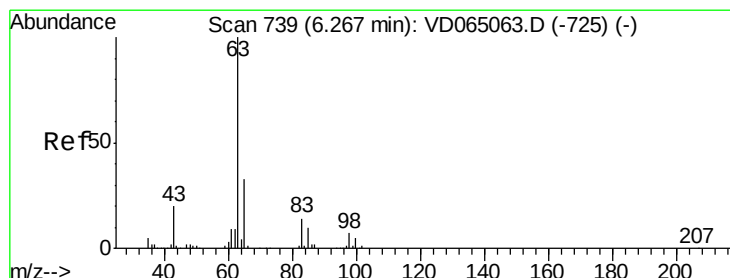
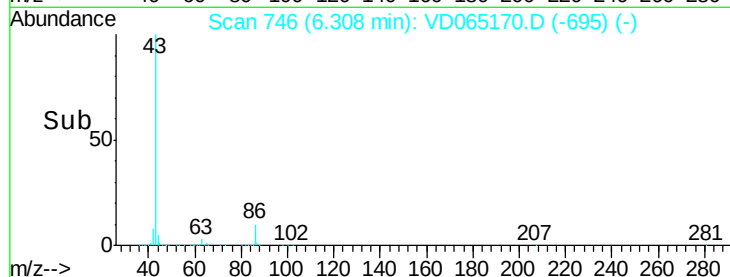
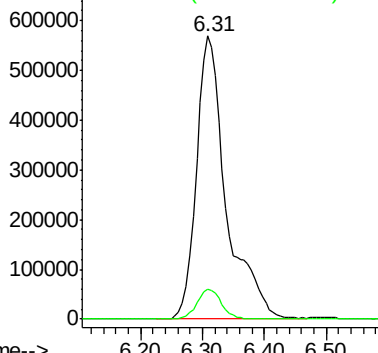
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.199 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

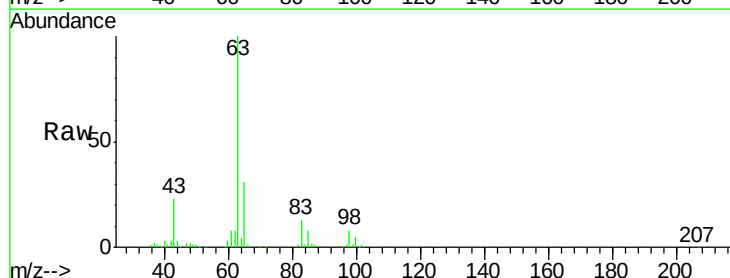
Tgt Ion: 63 Resp: 420627

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

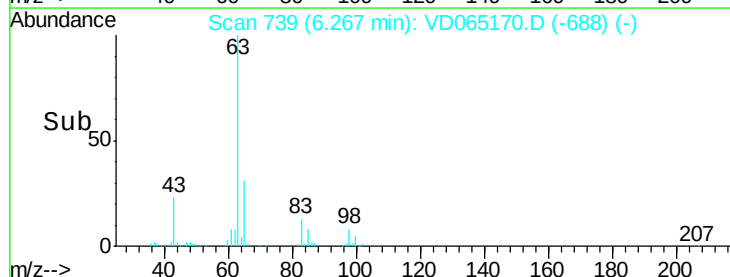
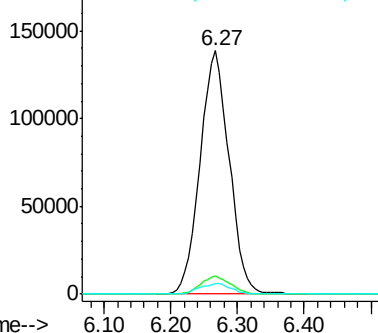
100 4.6 2.5 7.6

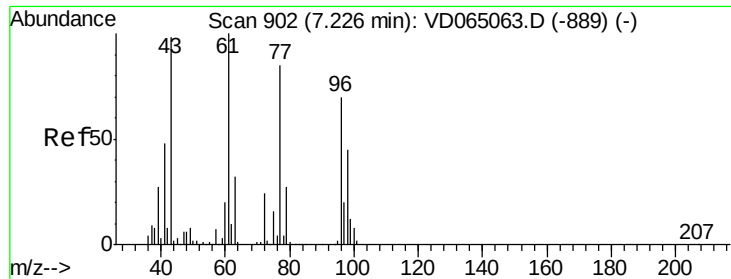


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 260.791 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 318020

Ion Ratio Lower Upper

43 100

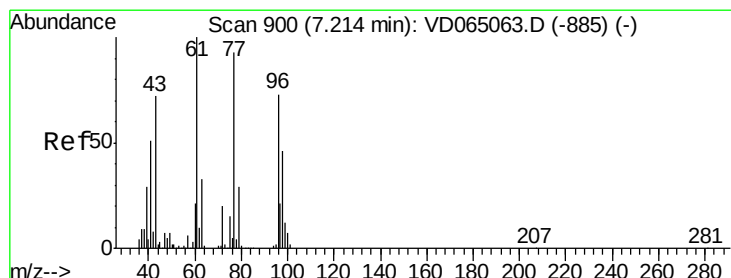
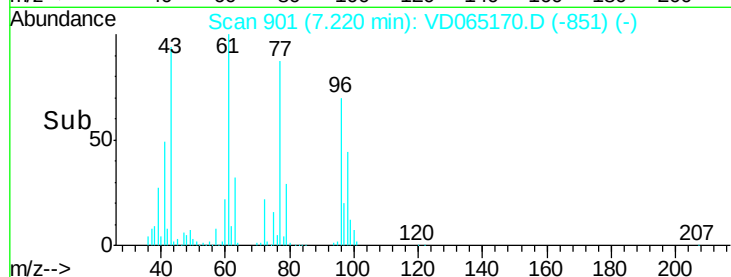
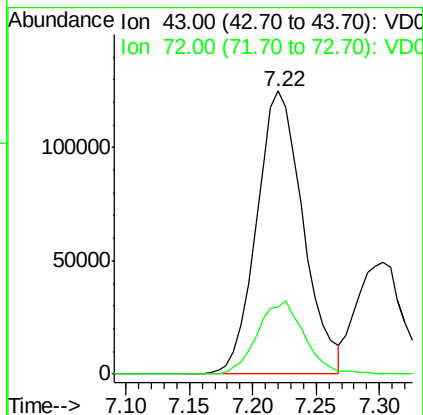
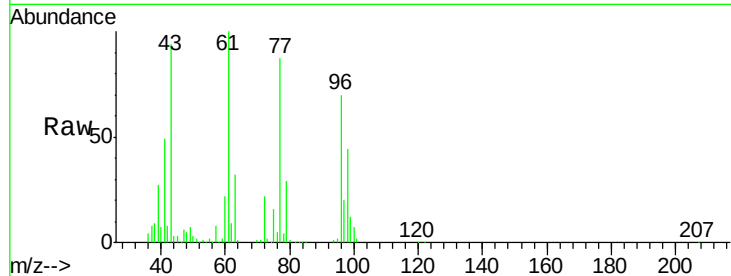
72 23.9 19.9 29.9

Manual Integrations

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2/14/2020 4:17:47 PM



#26

2,2-Dichloropropane

Concen: 52.593 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065170.D

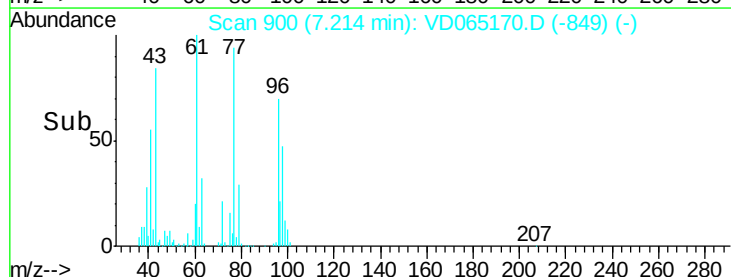
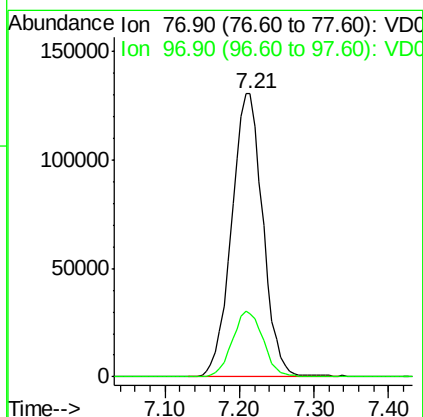
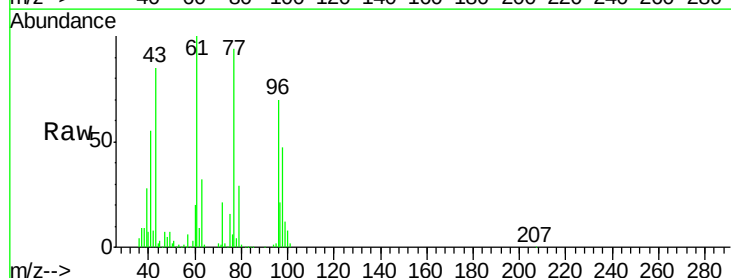
Acq: 13 Feb 2020 10:08

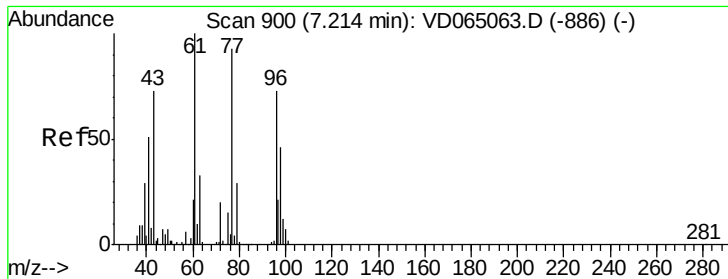
Tgt Ion: 77 Resp: 379859

Ion Ratio Lower Upper

77 100

97 23.0 10.9 32.6





#27

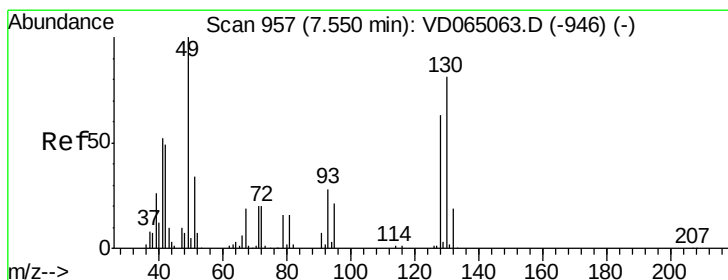
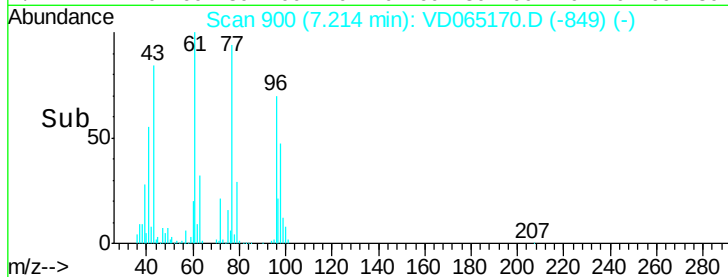
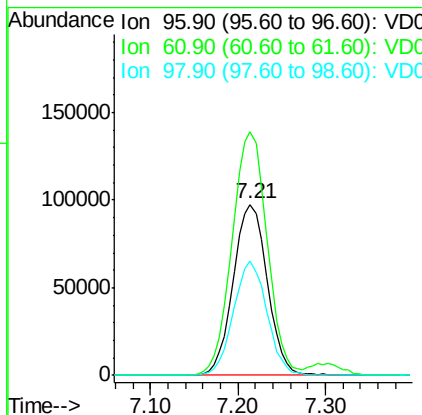
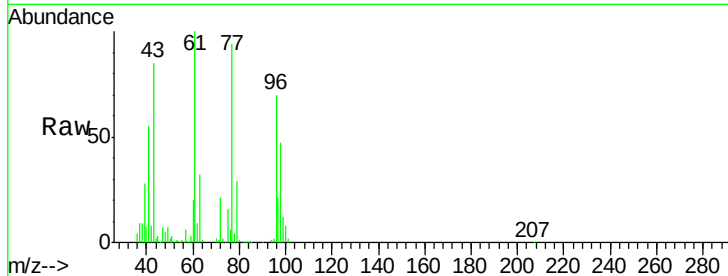
cis-1,2-Dichloroethene
Concen: 50.506 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	257800		
61	146.1	0.0	292.8	
98	65.5	0.0	128.8	

Manual Integrations
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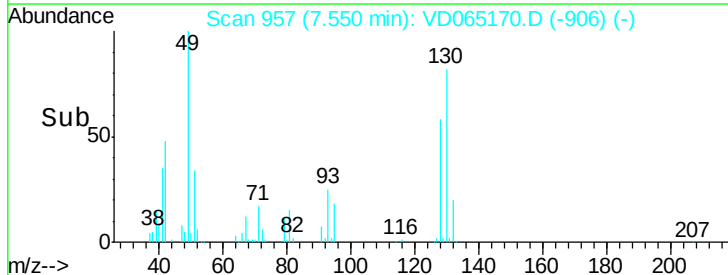
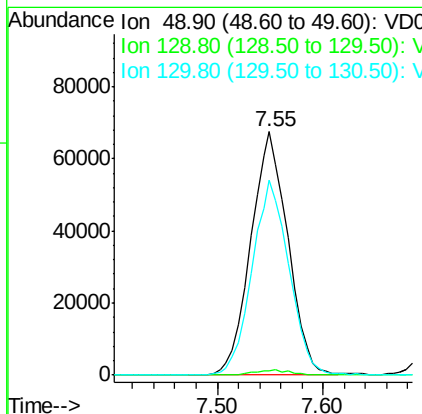
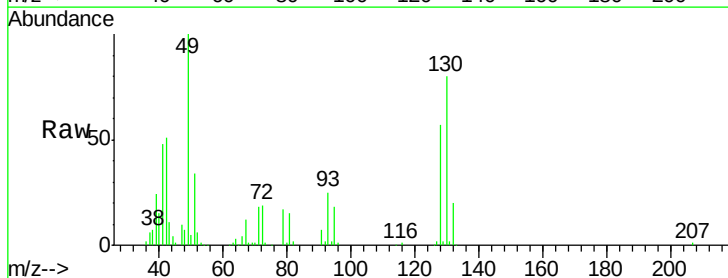
MMDadoda
2/14/2020 4:17:47 PM

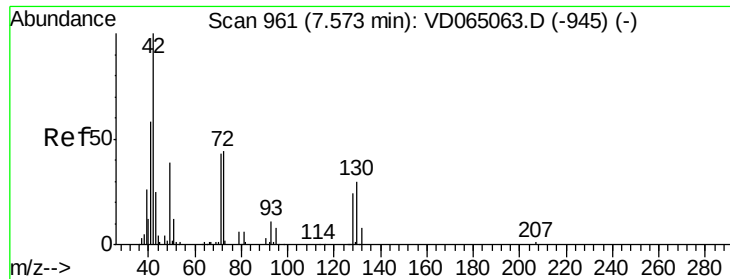


#28

Bromochloromethane
Concen: 53.858 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	164516		
129	2.2	0.0	4.4	
130	79.9	63.8	95.8	





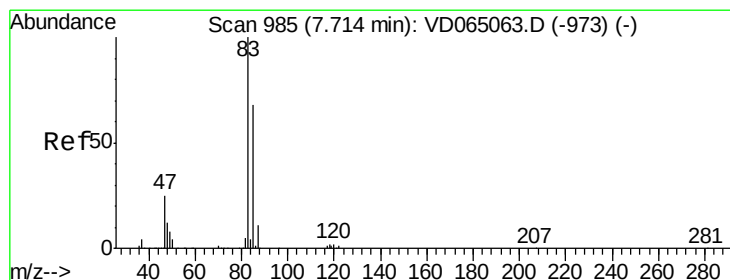
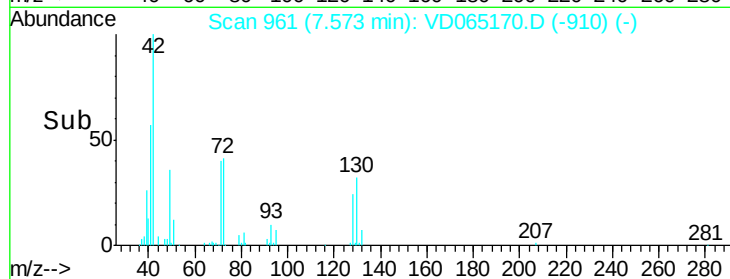
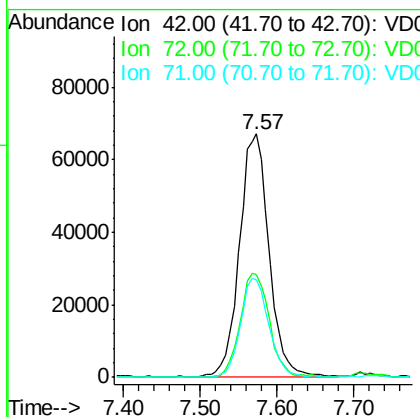
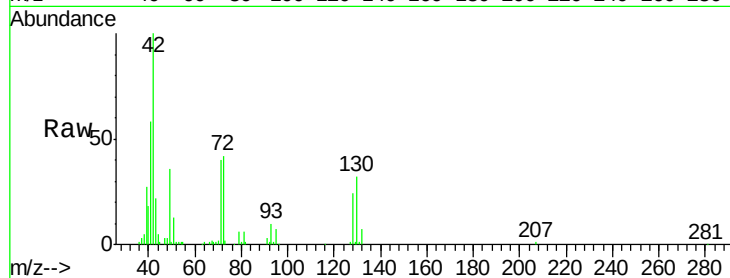
#29
Tetrahydrofuran
Concen: 242.774 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.4
71	39.2	31.8	47.6

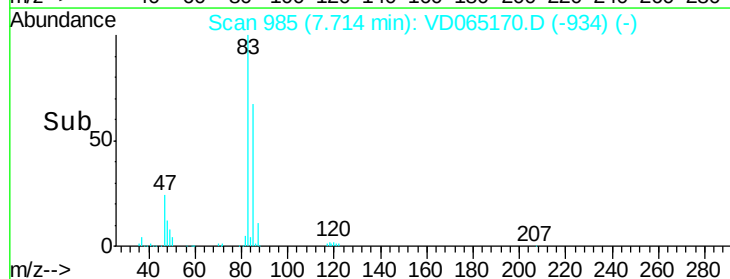
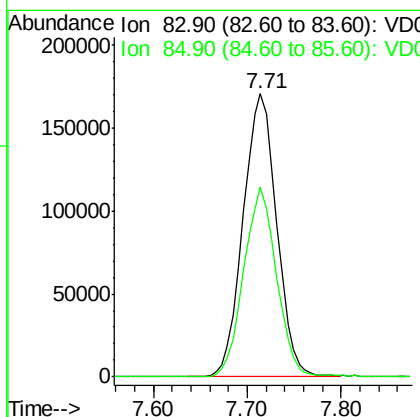
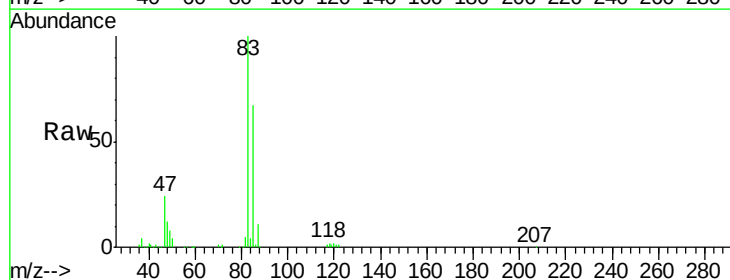
Manual Integrations
APPROVED

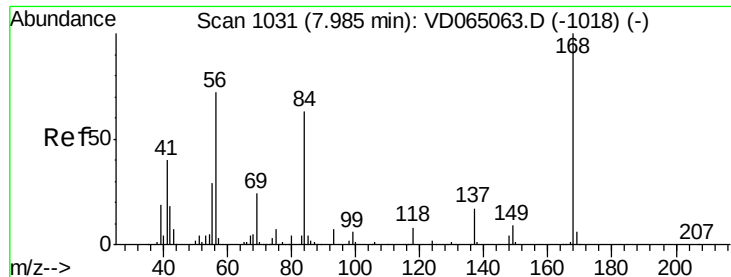
MMDadoda
2/14/2020 4:17:47 PM



#30
Chloroform
Concen: 52.546 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	54.2	81.4





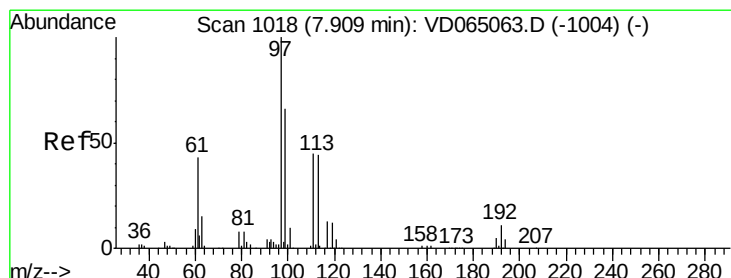
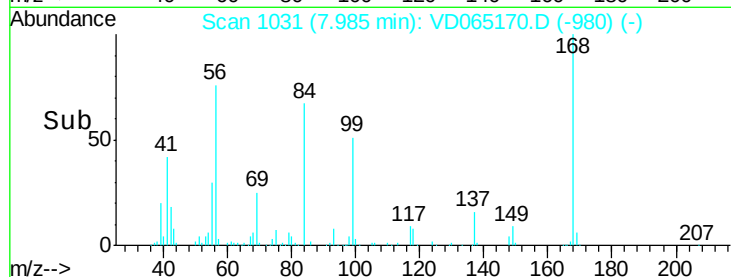
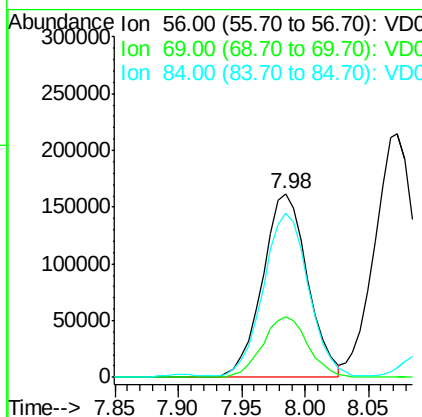
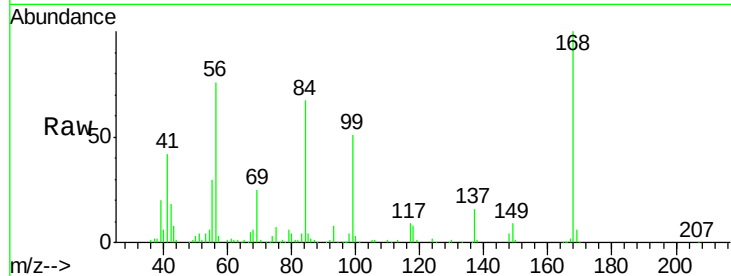
#31
Cyclohexane
Concen: 49.112 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.6	40.0
84	87.9	70.6	106.0

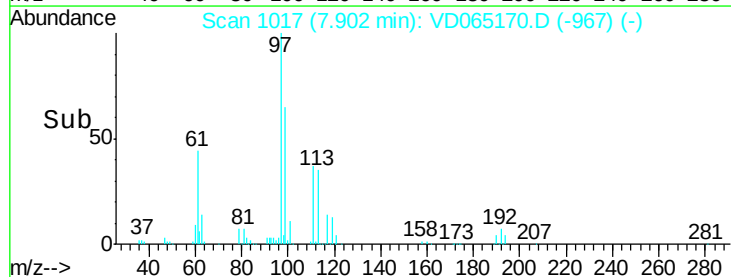
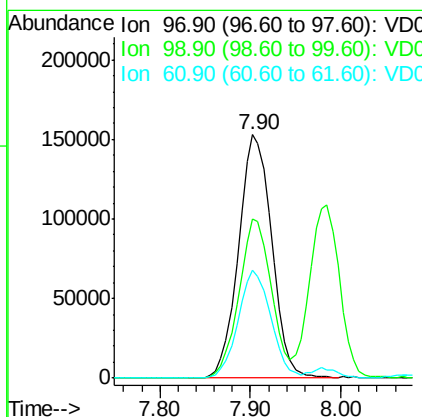
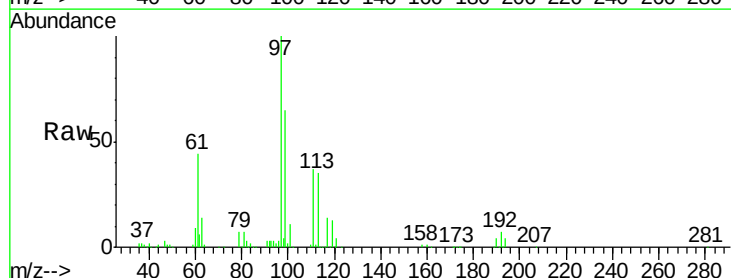
Manual Integrations
APPROVED

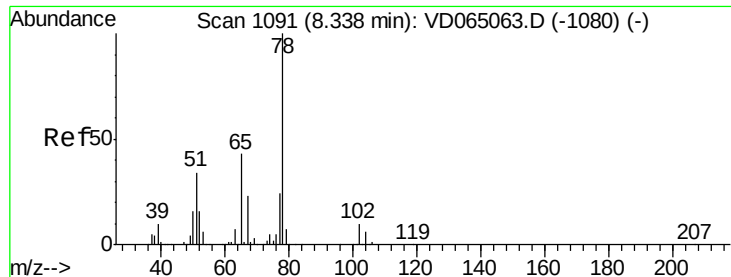
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#32
1,1,1-Trichloroethane
Concen: 52.195 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.5	77.3
61	43.5	34.8	52.2





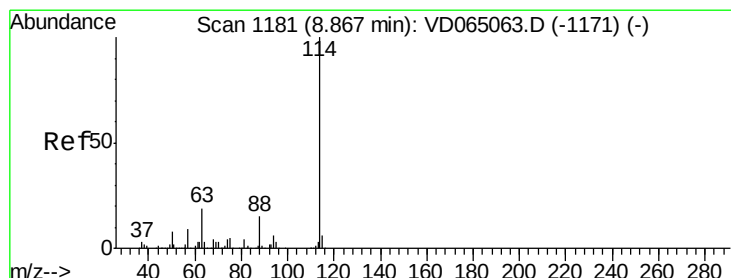
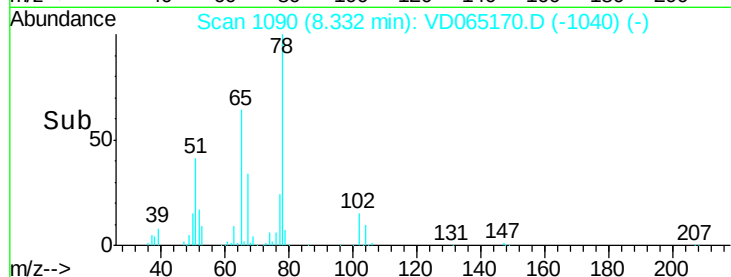
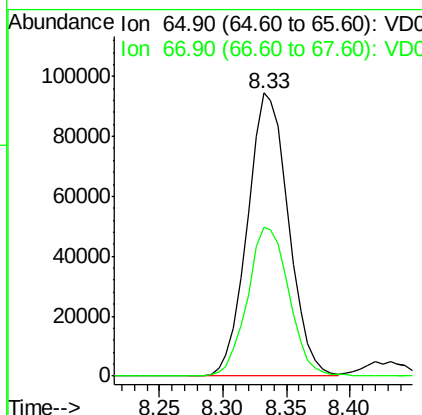
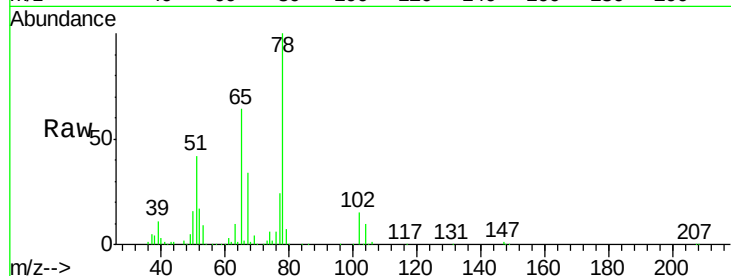
#33
 1,2-Dichloroethane-d4
 Concen: 52.133 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213167		
67	53.4	0.0	105.8	

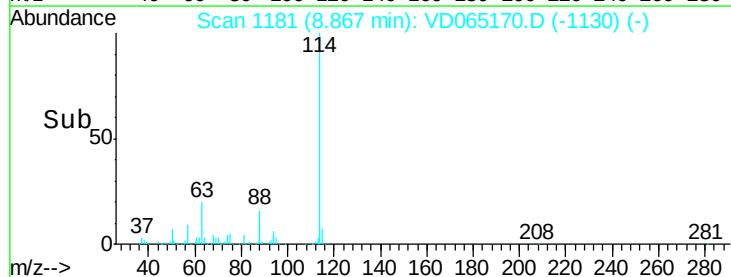
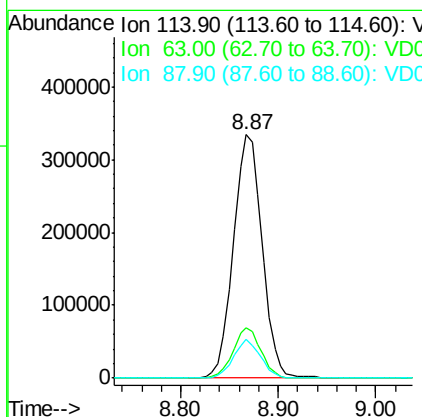
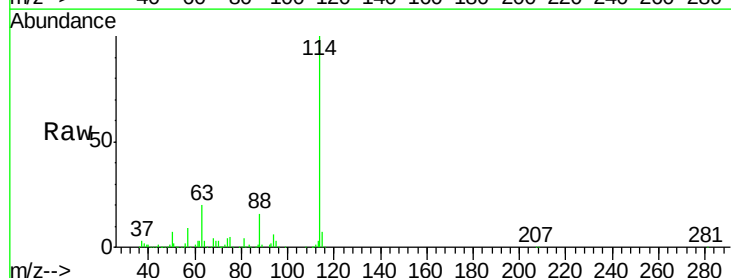
Manual Integrations
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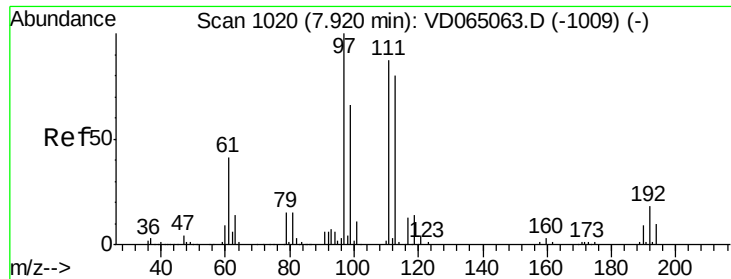
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	683169		
63	20.5	0.0	38.8	
88	15.9	0.0	29.6	





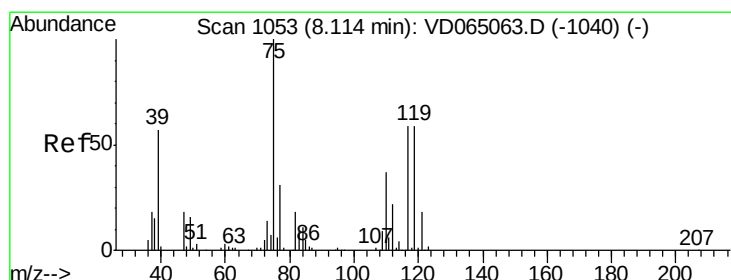
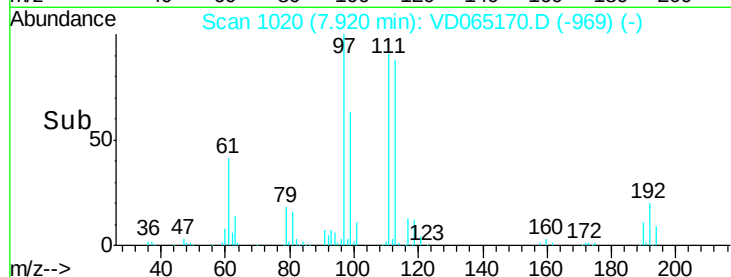
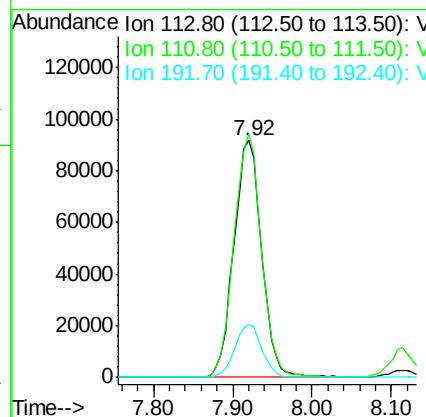
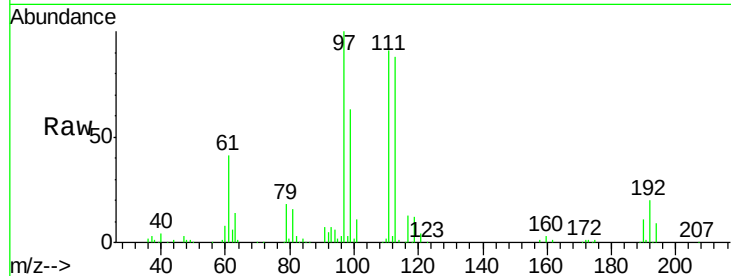
#35
 Dibromofluoromethane
 Concen: 58.514 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223036		
111	101.6	83.1	124.7	
192	21.6	18.1	27.1	

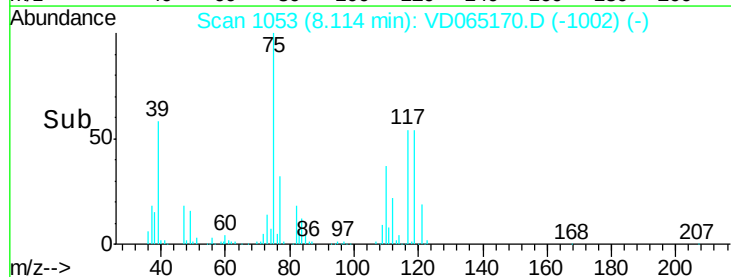
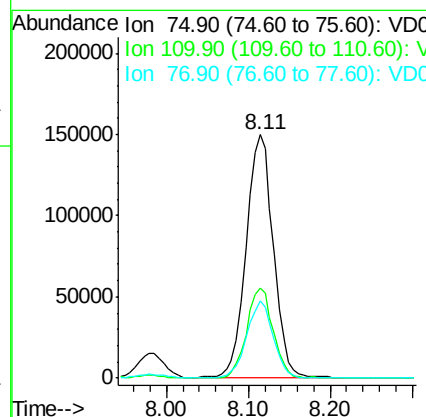
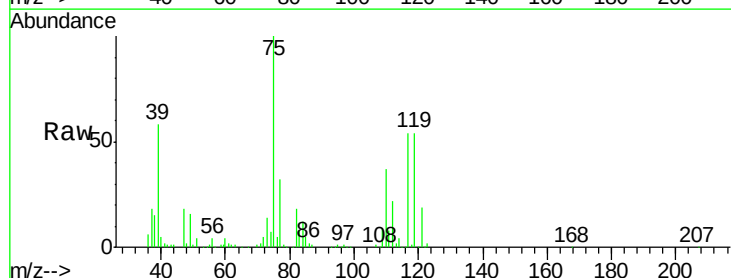
Manual Integrations
 APPROVED

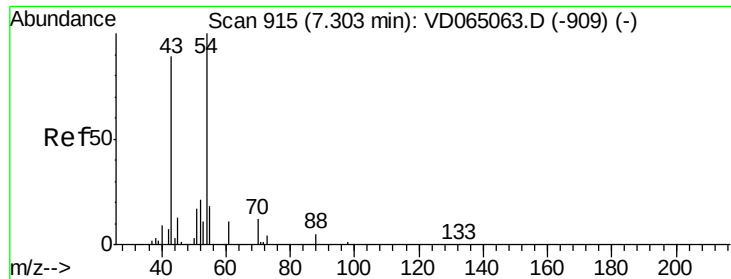
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#36
 1,1-Dichloropropene
 Concen: 54.306 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	344976		
110	36.0	18.1	54.3	
77	31.3	24.7	37.1	





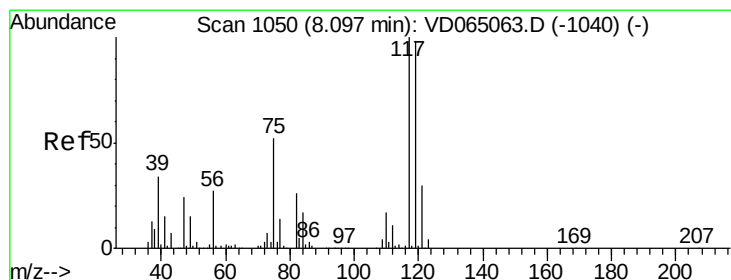
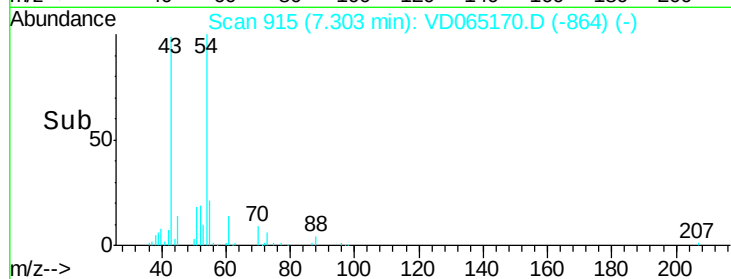
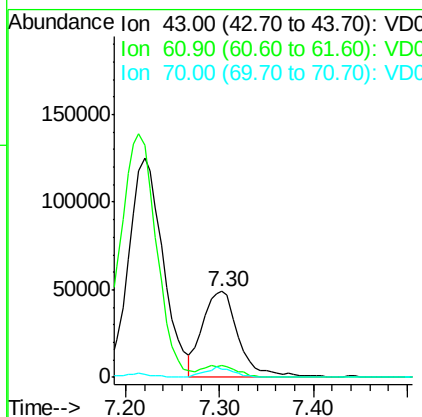
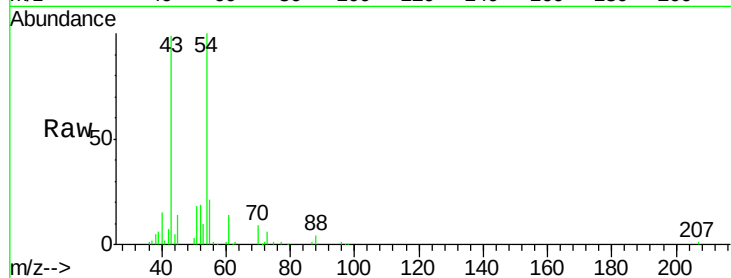
#37
Ethyl Acetate
Concen: 49.759 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.5	8.2	12.2

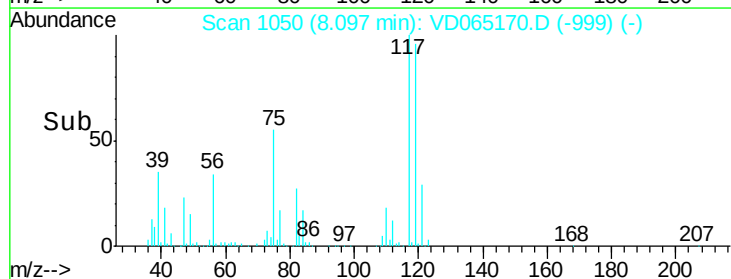
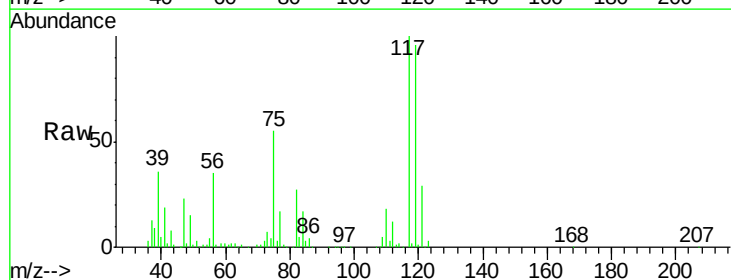
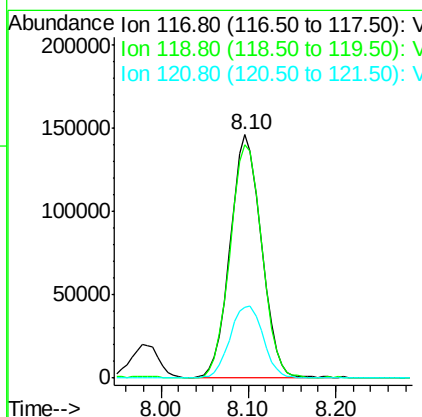
Manual Integrations
APPROVED

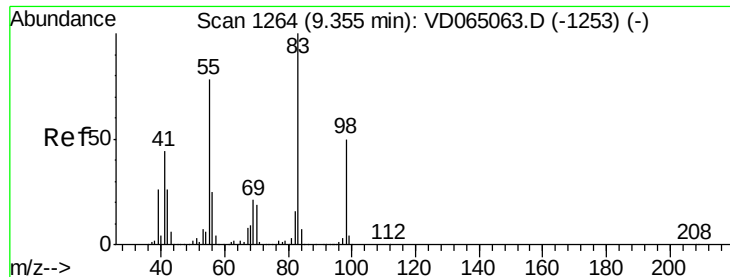
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#38
Carbon Tetrachloride
Concen: 54.226 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.5	117.7
121	29.2	23.8	35.6





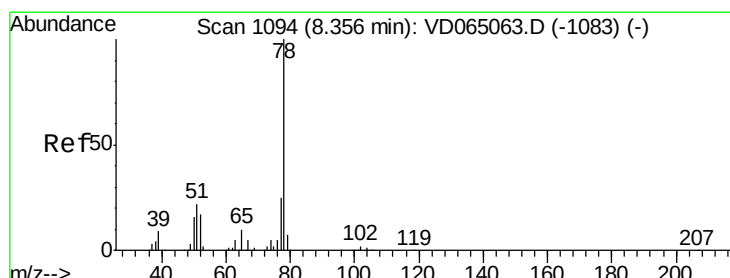
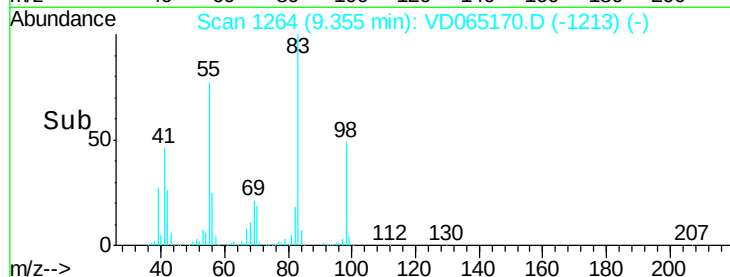
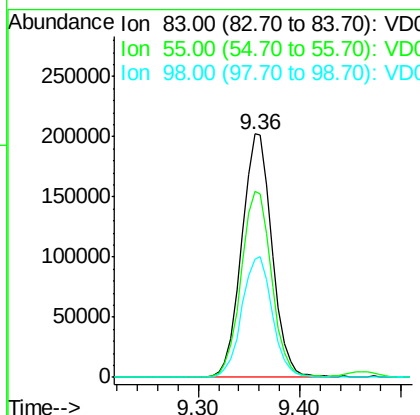
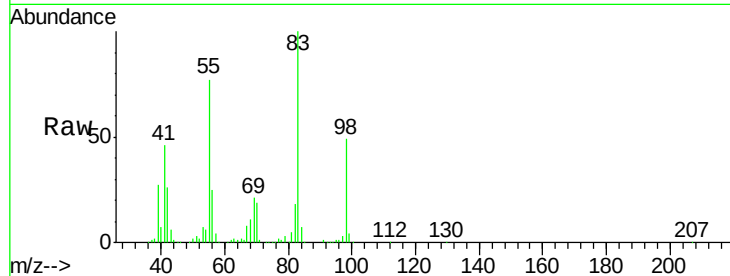
#39
Methylvlcyclohexane
Concen: 53.544 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.0	93.0
98	48.6	39.9	59.9

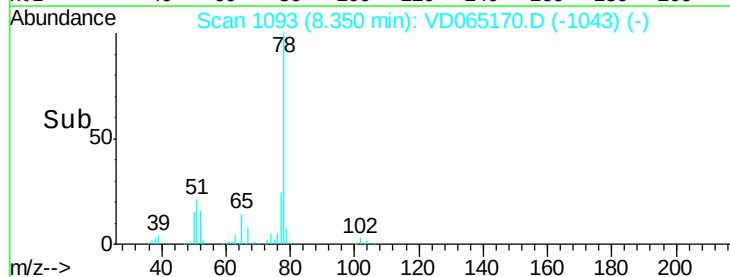
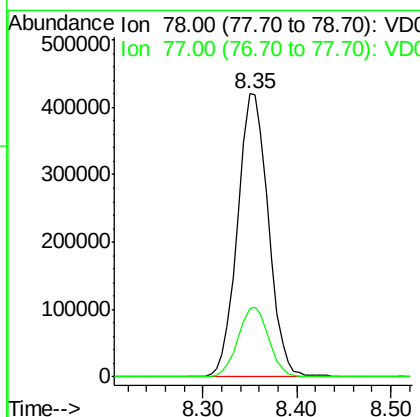
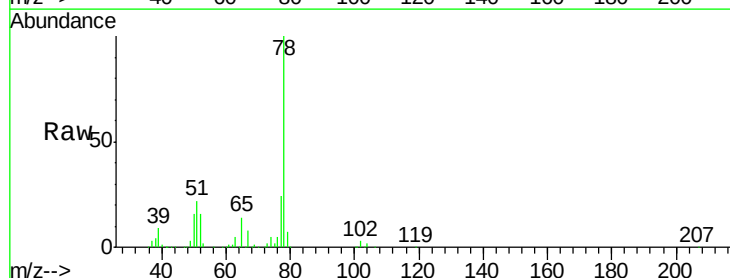
Manual Integrations
APPROVED

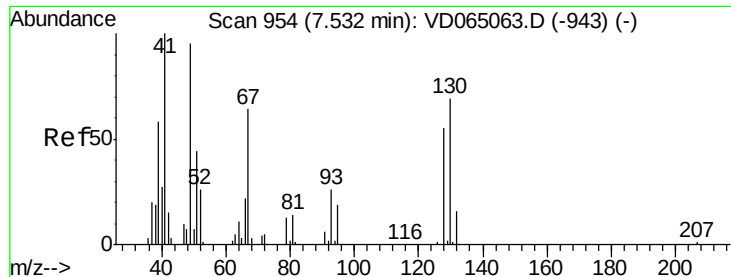
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#40
Benzene
Concen: 54.506 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.6	29.4





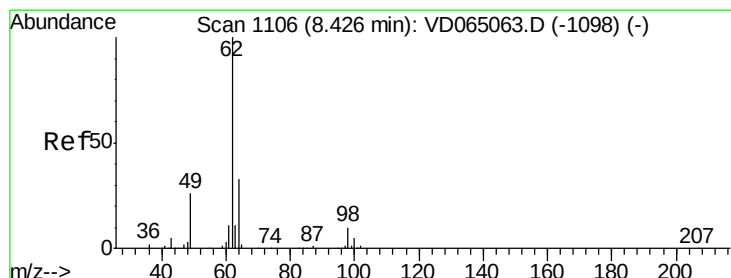
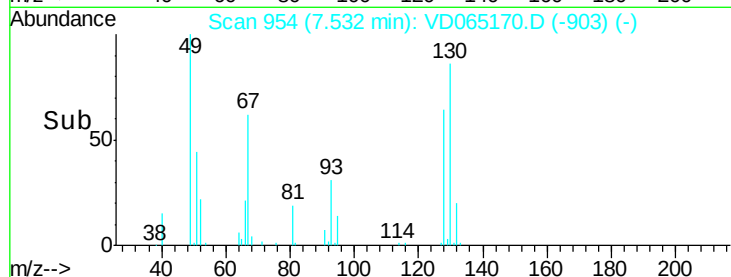
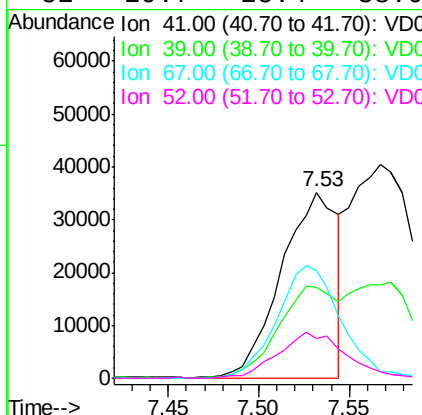
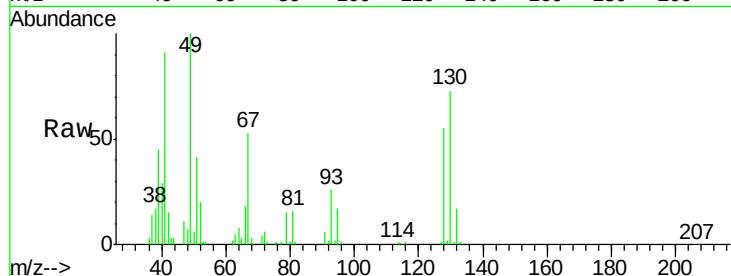
#41
Methacrylonitrile
Concen: 53.394 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	55.4	83.0#
67	69.2	59.0	88.6
52	29.7	25.4	38.0

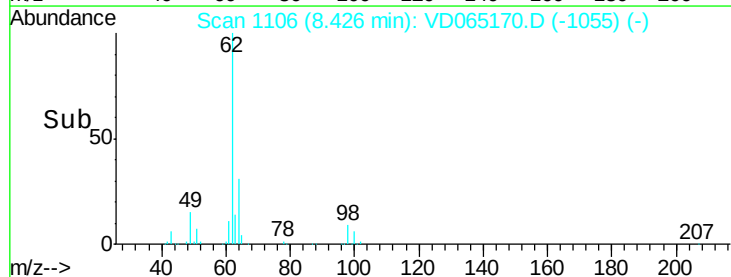
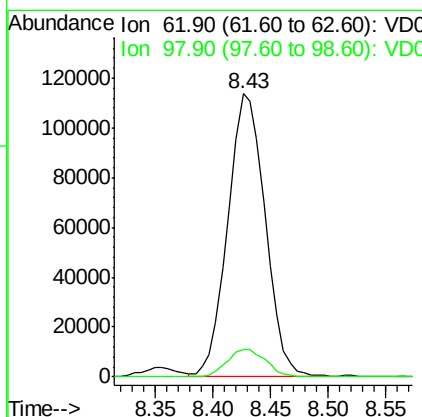
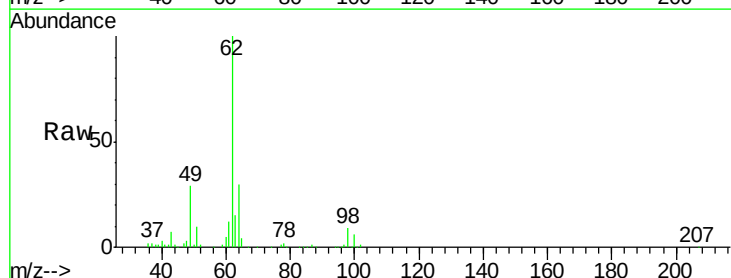
Manual Integrations
APPROVED

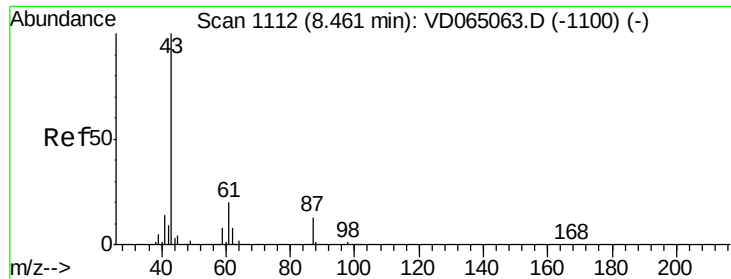
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.909 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.6





#43

Isopropyl Acetate

Concen: 49.418 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

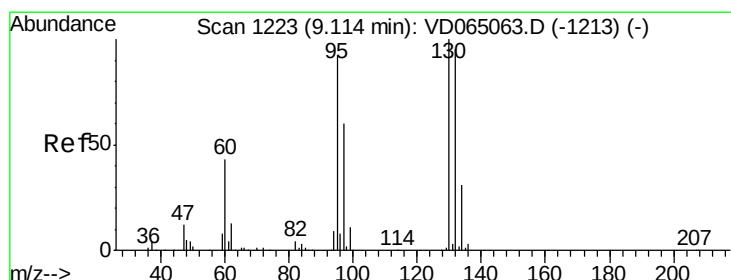
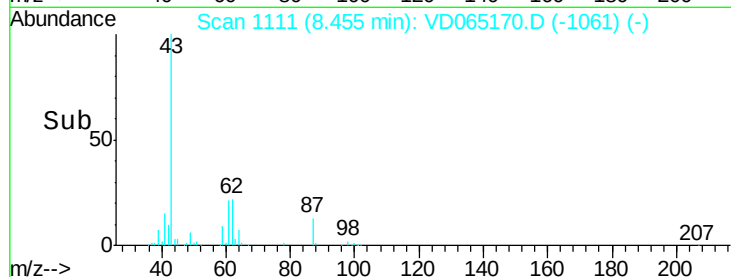
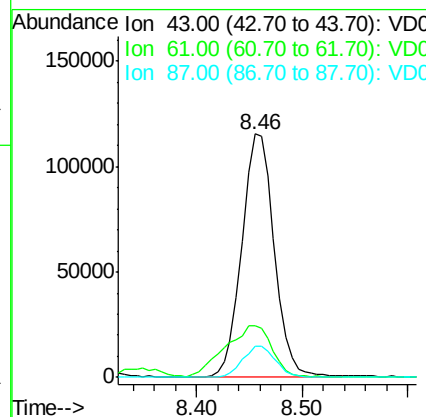
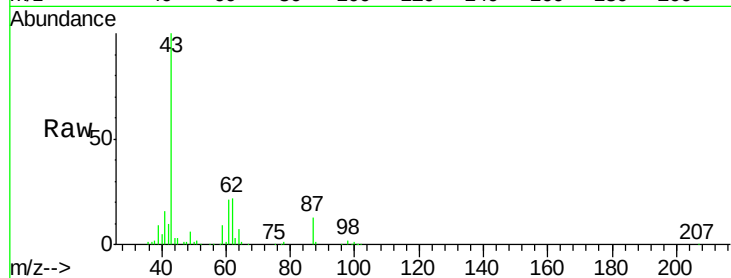
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	245331
Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.0	36.0
87	12.9	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 52.067 ug/l

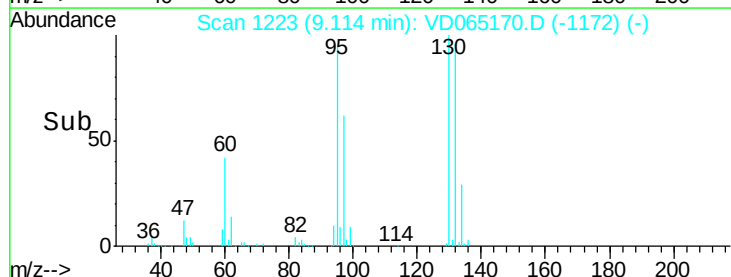
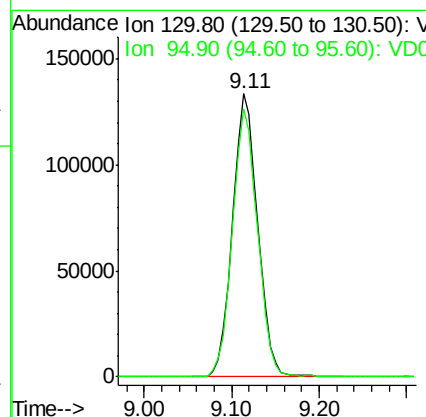
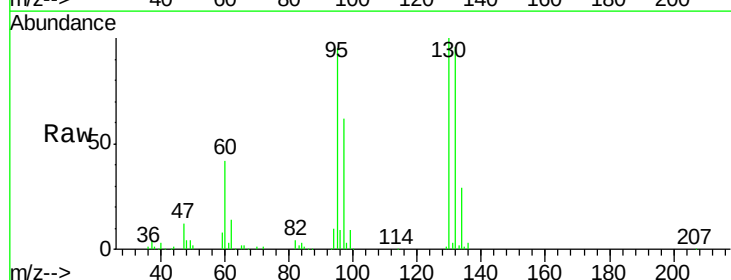
RT: 9.11 min Scan# 1223

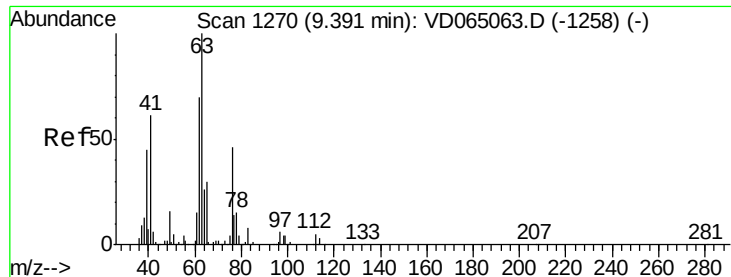
Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion:	130	Resp:	262170
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	185.0





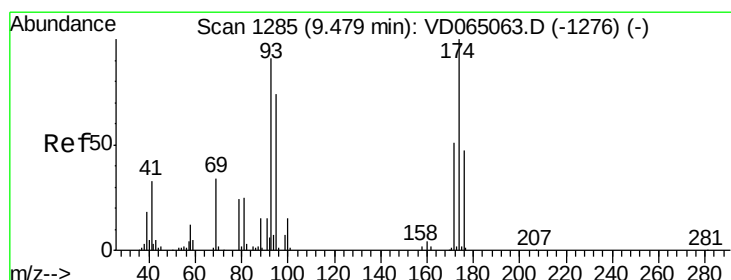
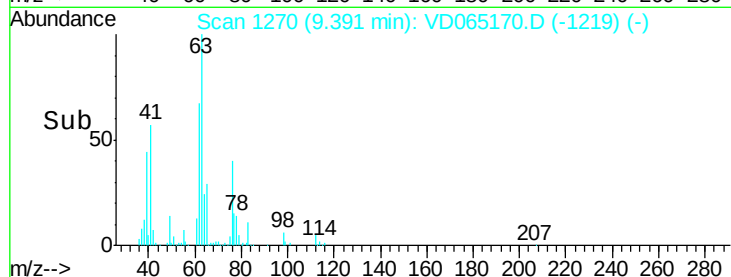
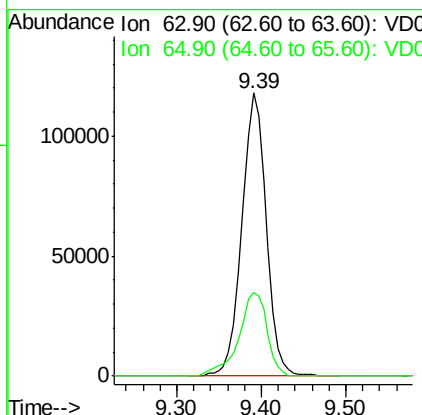
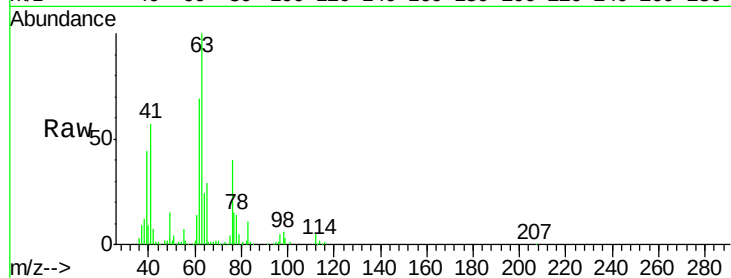
#45
 1,2-Dichloropropane
 Concen: 56.238 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	236530		
65	29.5		23.9	35.9

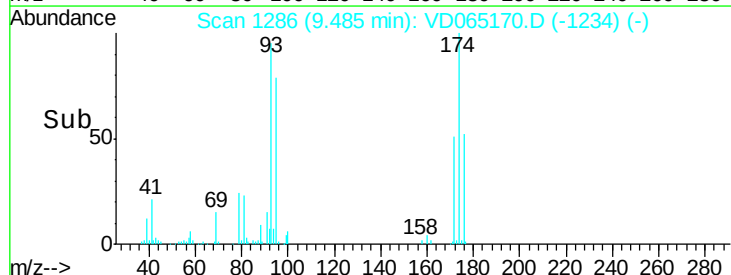
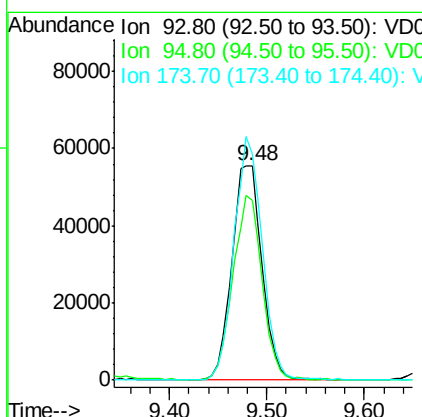
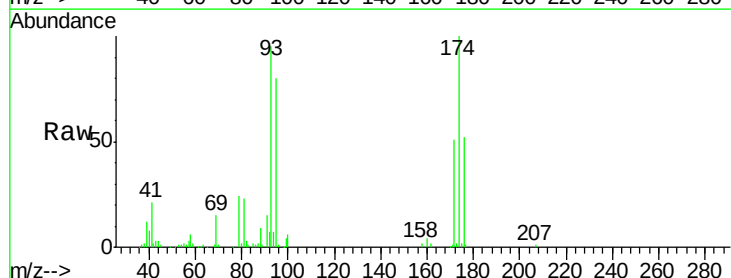
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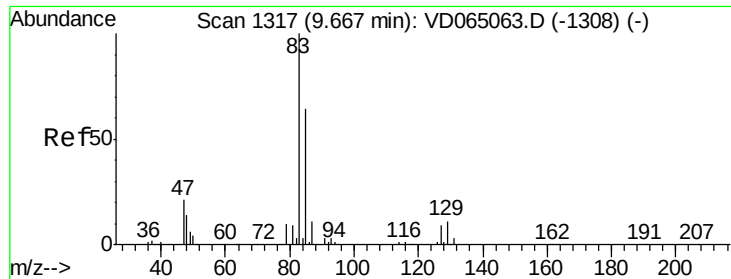
MMDadoda
 2/14/2020 4:17:47 PM



#46
 Dibromomethane
 Concen: 53.890 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	119104		
95	83.2		66.5	99.7
174	106.1		89.8	134.8





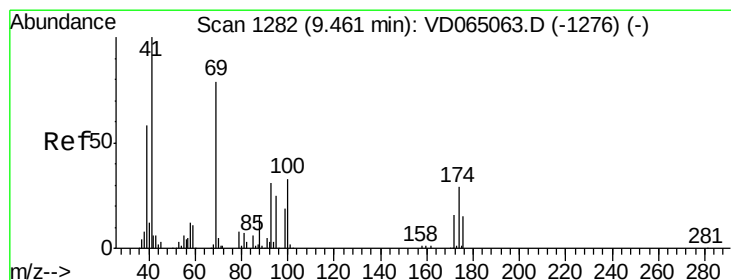
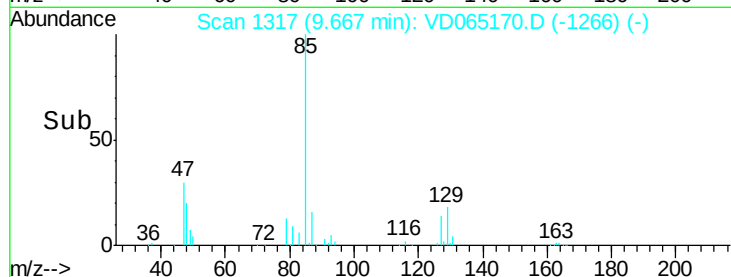
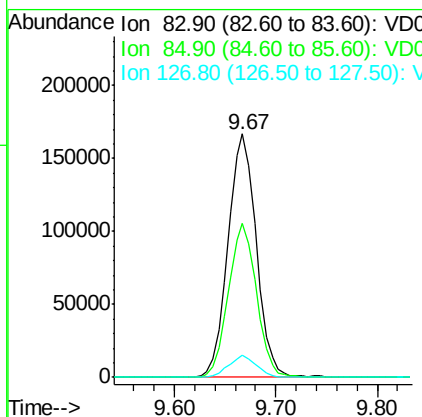
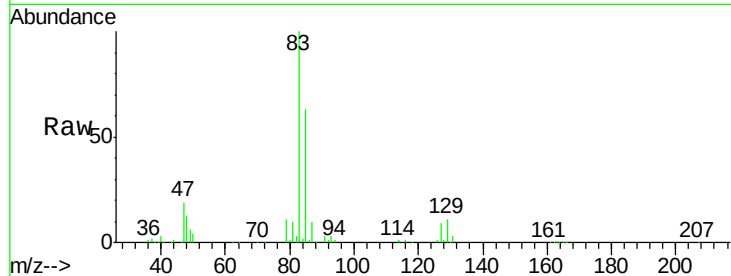
#47
Bromodichloromethane
Concen: 55.487 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.4	51.0	76.6	
127	8.9	7.3	10.9	

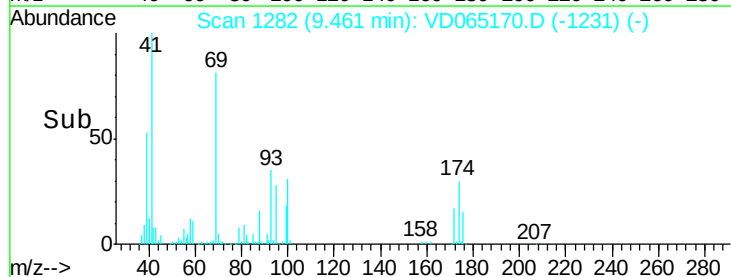
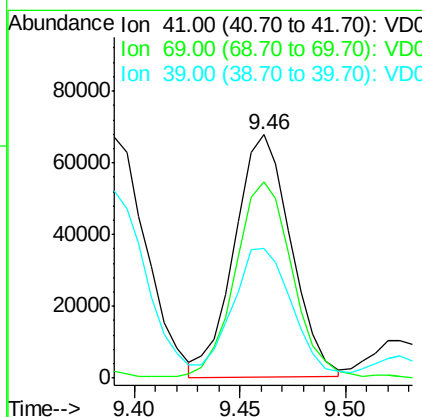
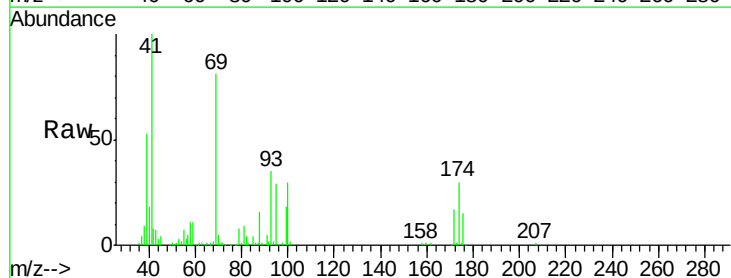
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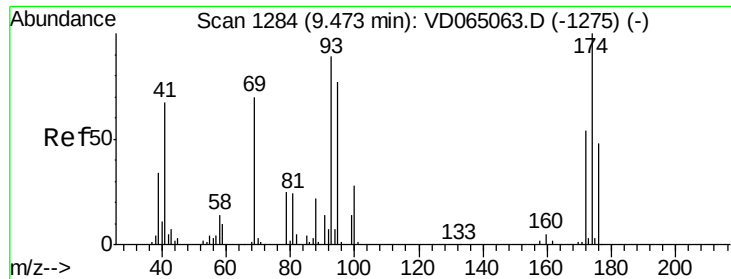
MMDadoda
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#48
Methyl methacrylate
Concen: 52.398 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	81.5	67.5	101.3	
39	52.5	47.0	70.4	





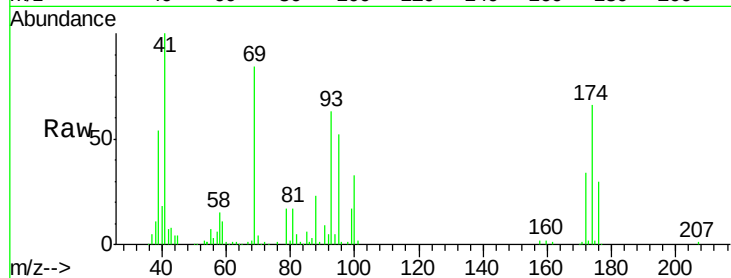
#49
1,4-Dioxane
Concen: 1058.139 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

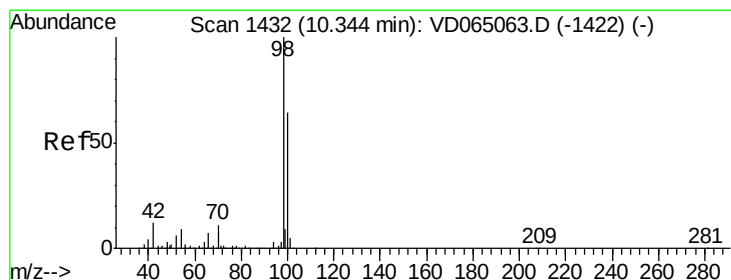
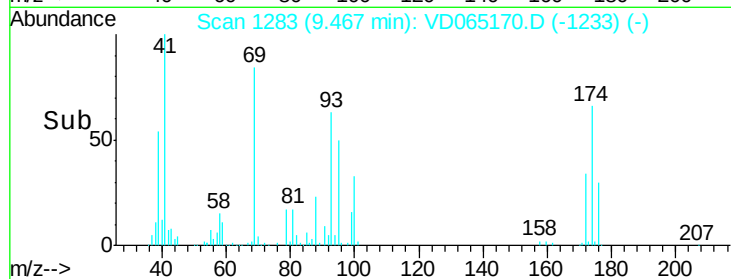
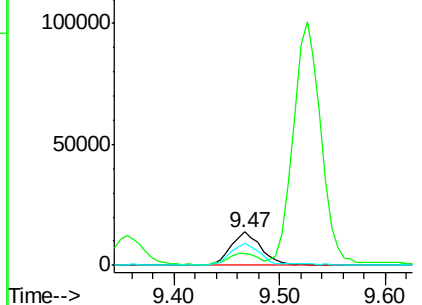
Tot Ion	88	Resp	27699
Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.7	41.5
58	63.7	55.5	83.3

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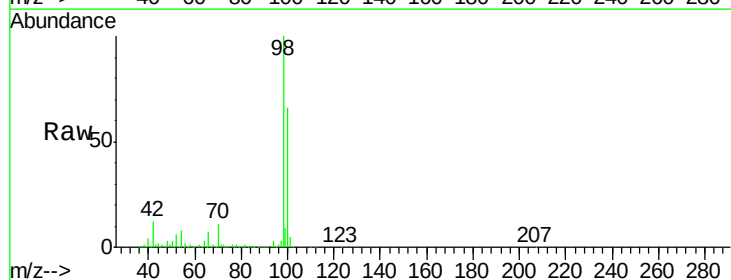


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

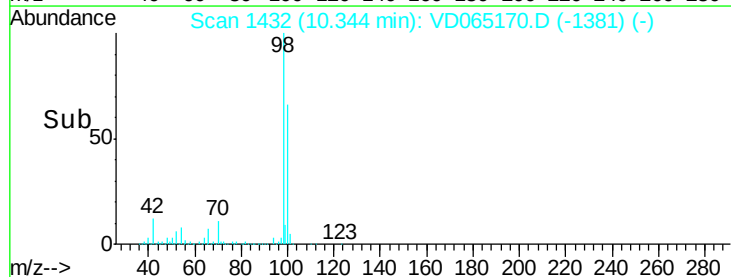
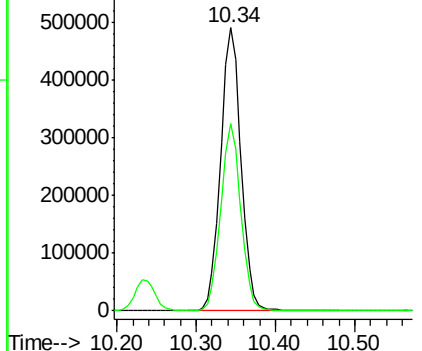


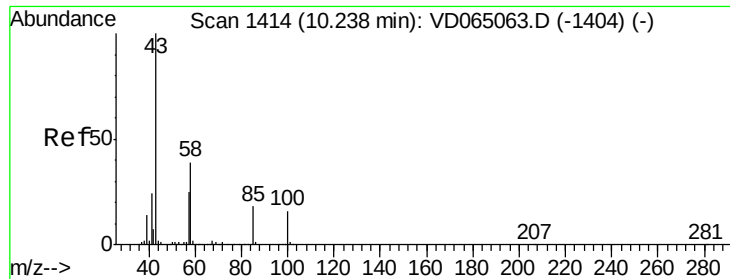
#50
Toluene-d8
Concen: 57.725 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	98	Resp	875783
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





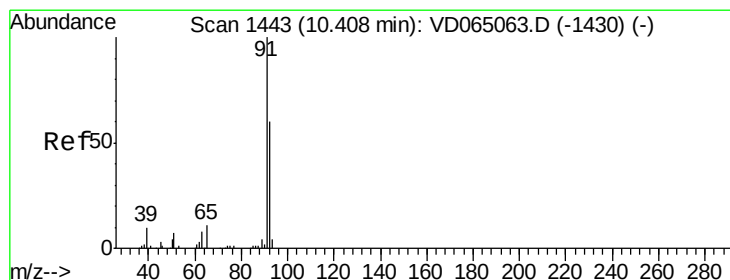
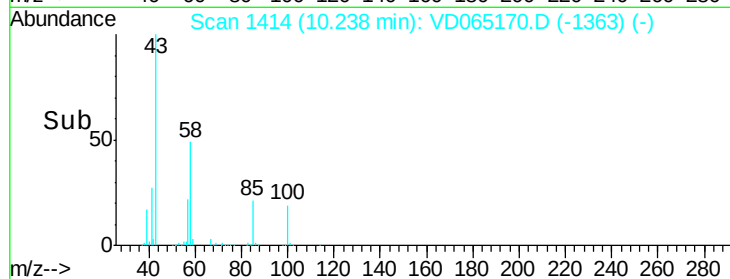
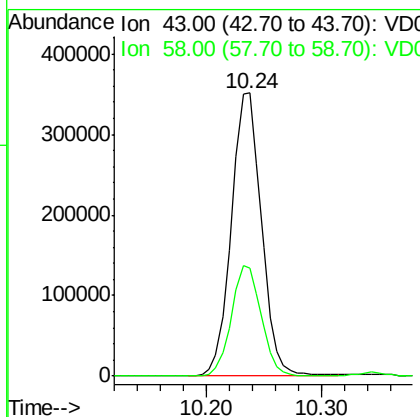
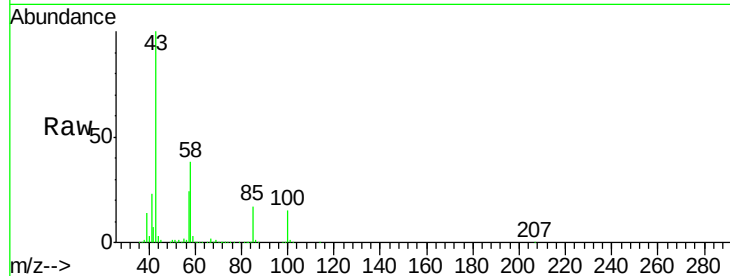
#51
4-Methyl-2-Pentanone
Concen: 260.606 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.2	45.2

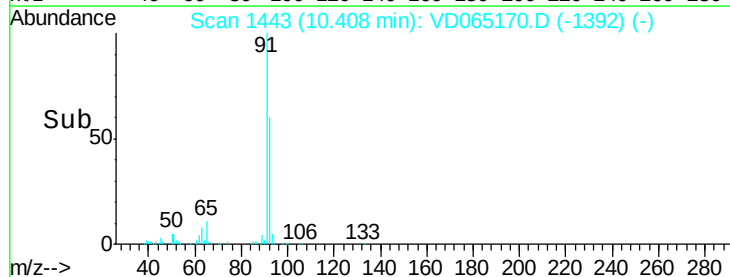
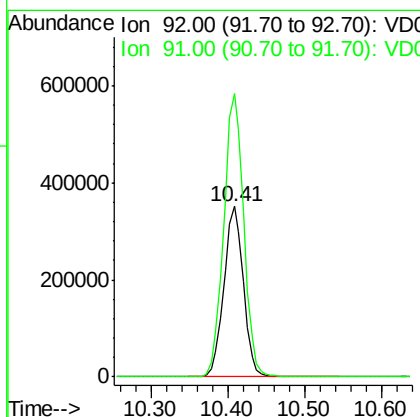
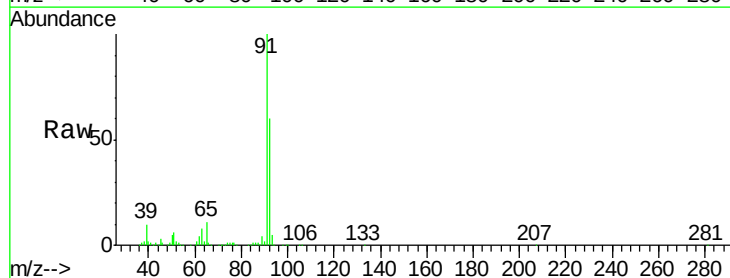
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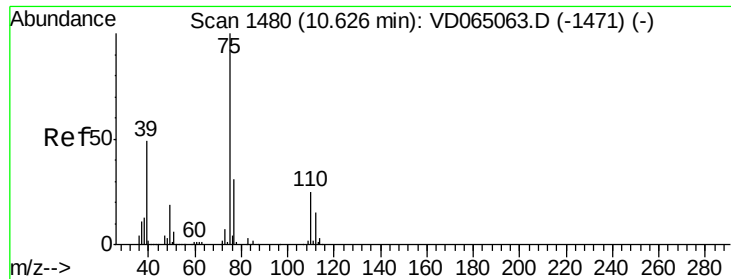
MMDadoda
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#52
Toluene
Concen: 55.447 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	135.3	202.9





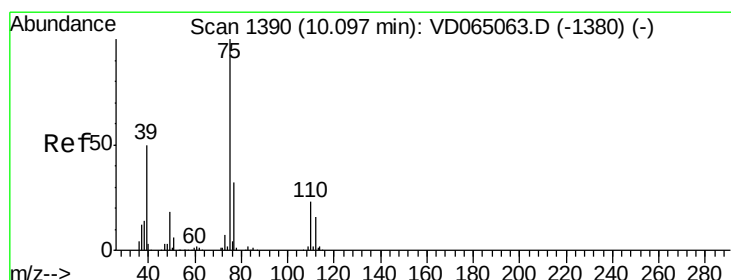
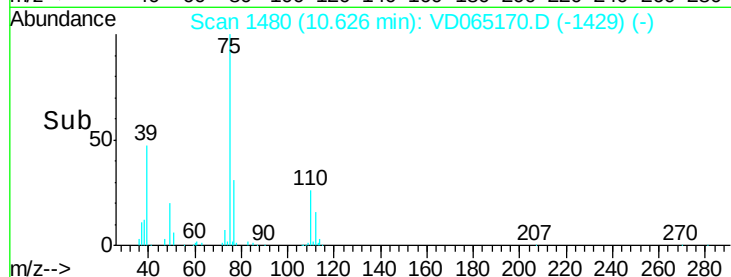
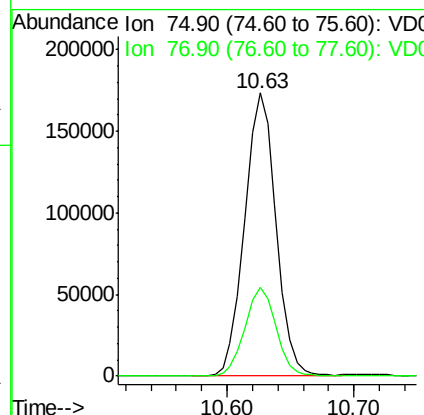
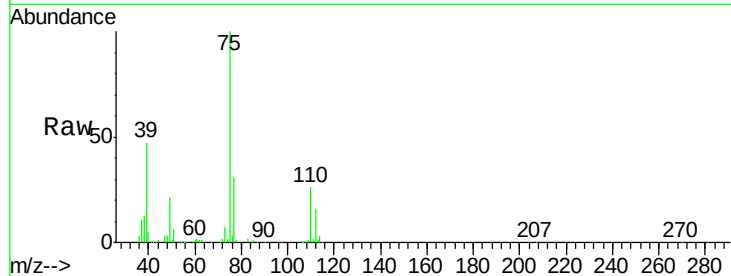
#53
t-1,3-Dichloropropene
Concen: 52.709 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3

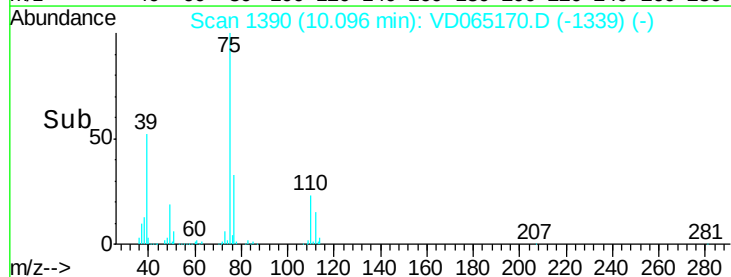
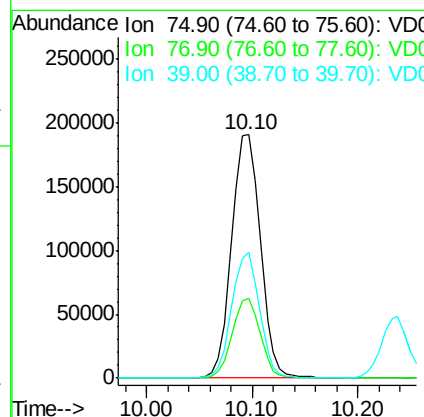
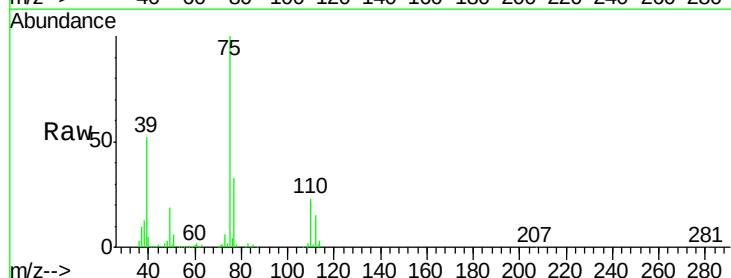
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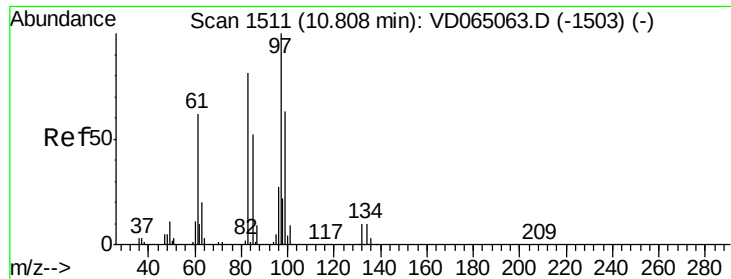
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#54
cis-1,3-Dichloropropene
Concen: 53.140 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9
39	51.6	40.3	60.5





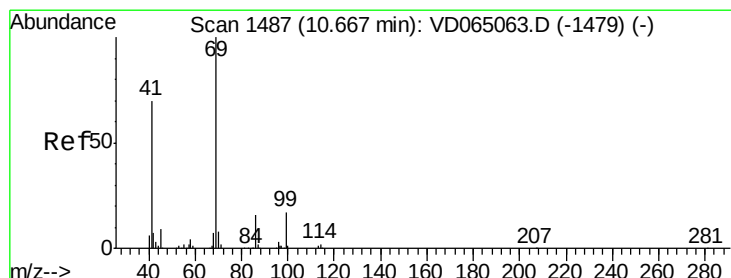
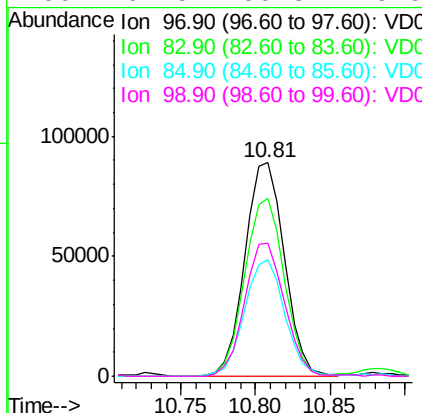
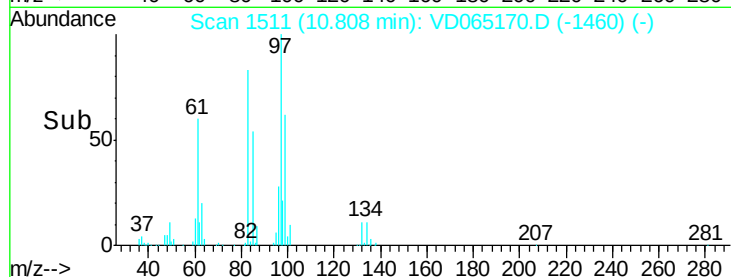
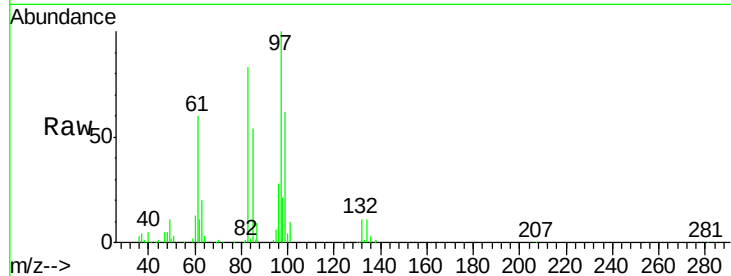
#55
 1,1,2-Trichloroethane
 Concen: 53.788 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		163057		
83	83.0	64.8	97.2		
85	54.4	41.2	61.8		
99	62.5	50.3	75.5		

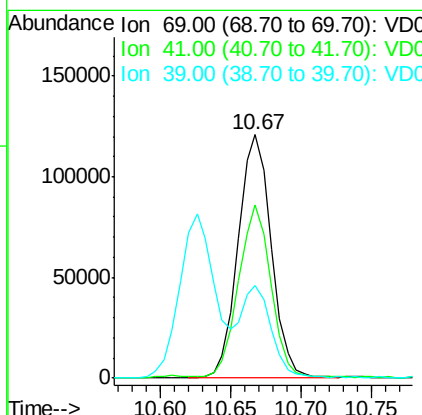
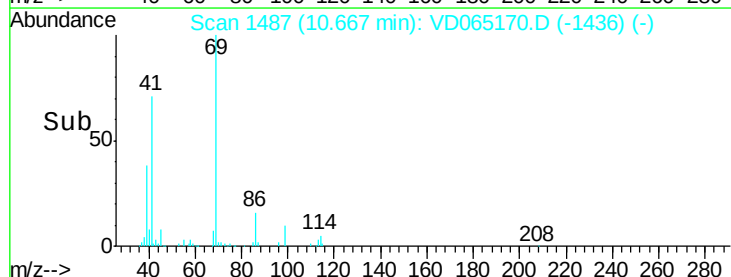
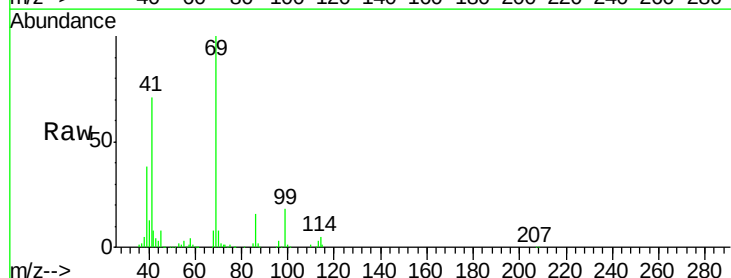
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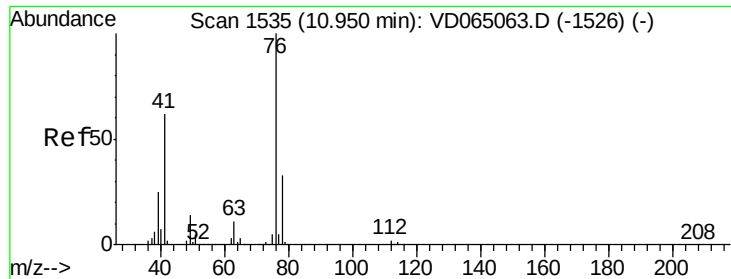
MMDadoda
 2/14/2020 4:17:47 PM



#56
 Ethyl methacrylate
 Concen: 51.949 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		199259		
41	69.2	55.9	83.9		
39	35.0	29.4	44.0		





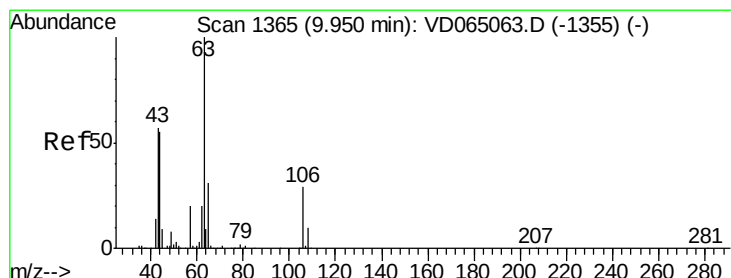
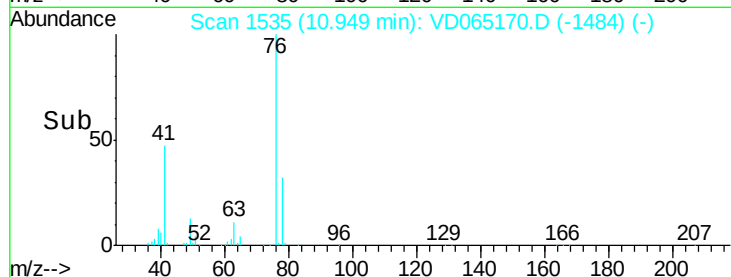
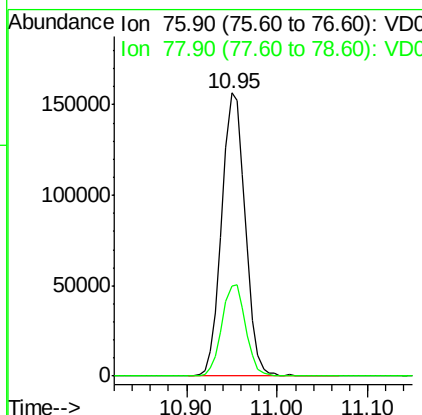
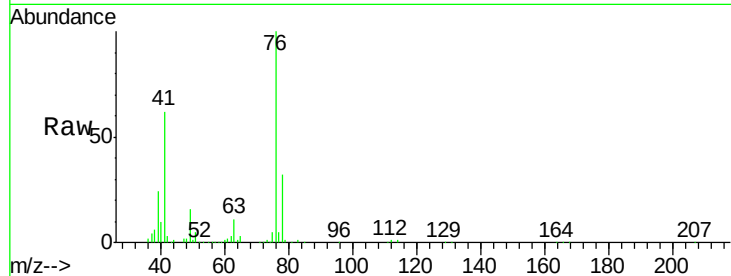
#57
 1,3-Dichloropropane
 Concen: 53.007 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 282562
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6

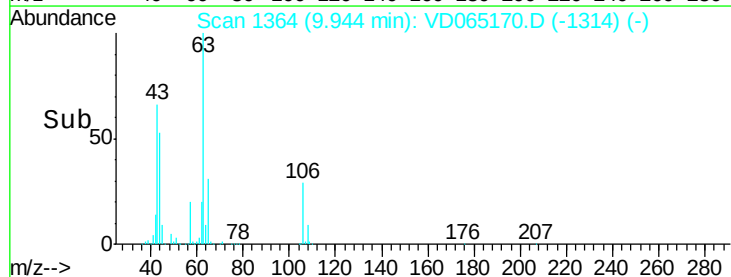
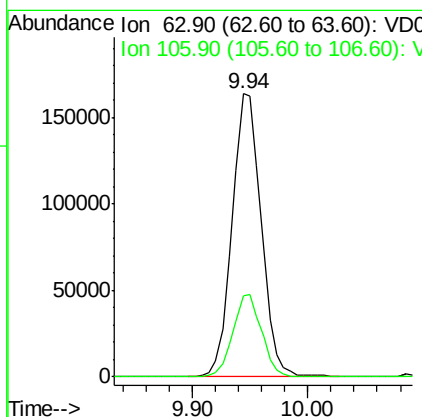
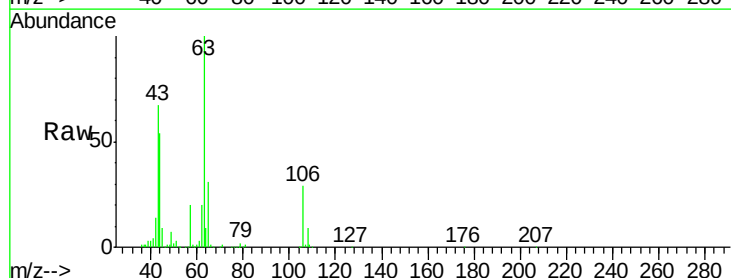
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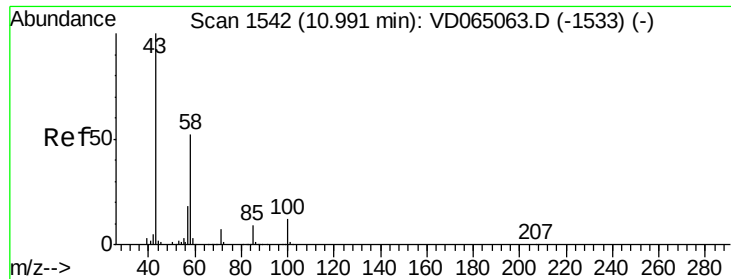
MMDadoda
 2/14/2020 4:17:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.642 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion: 63 Resp: 286512
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.3 34.9





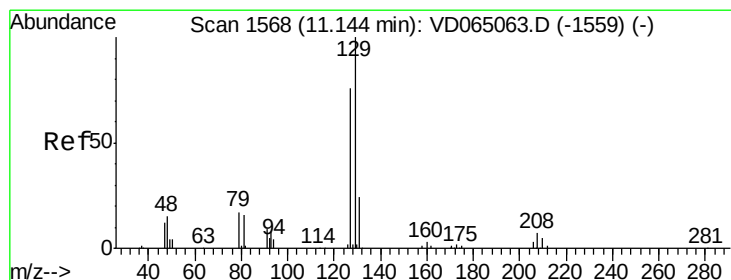
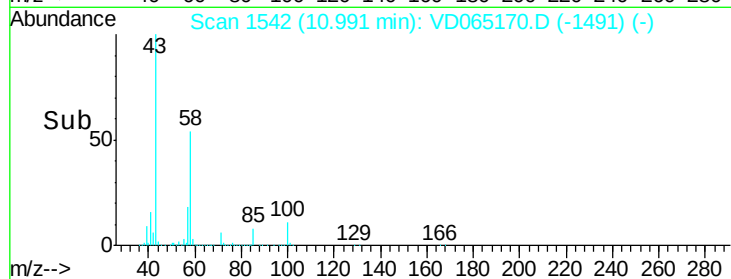
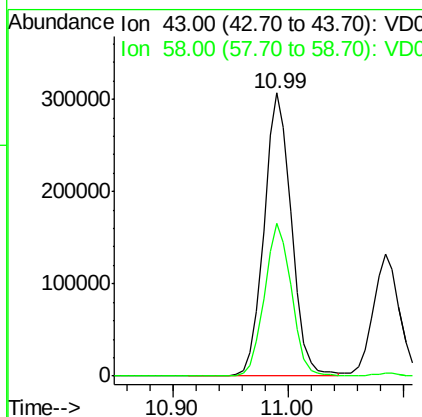
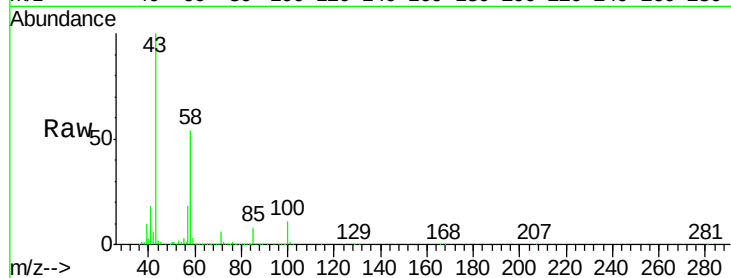
#59
2-Hexanone
Concen: 293.134 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.2	78.6

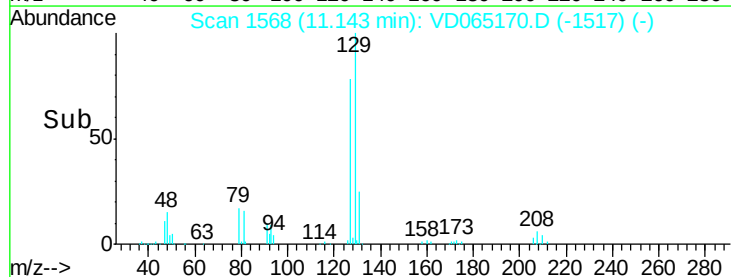
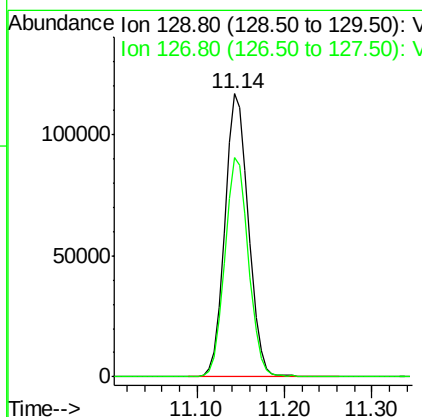
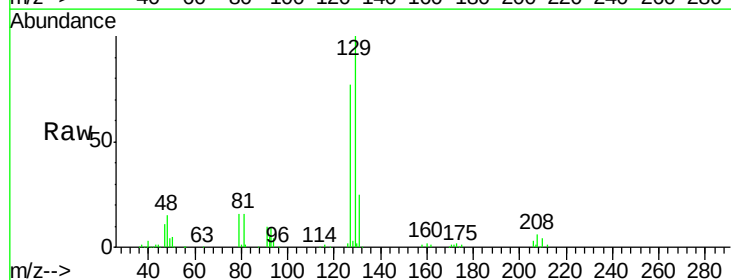
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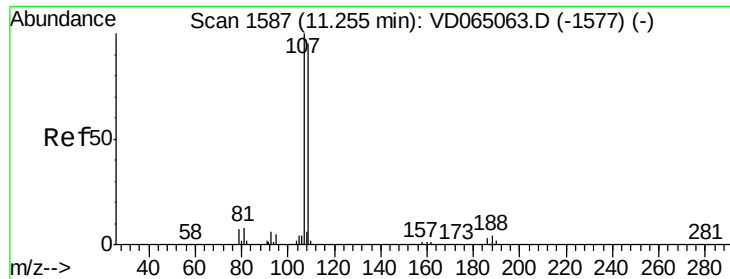
MMDadoda
2/14/2020 4:17:47 PM



#60
Dibromochloromethane
Concen: 55.112 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9





#61

1,2-Dibromoethane

Concen: 52.764 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 156294

Ion Ratio Lower Upper

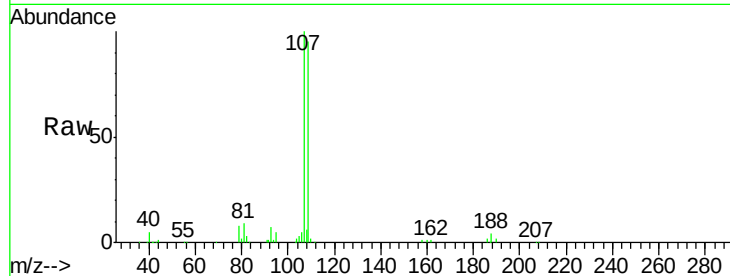
107 100

109 95.3 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.26

80000

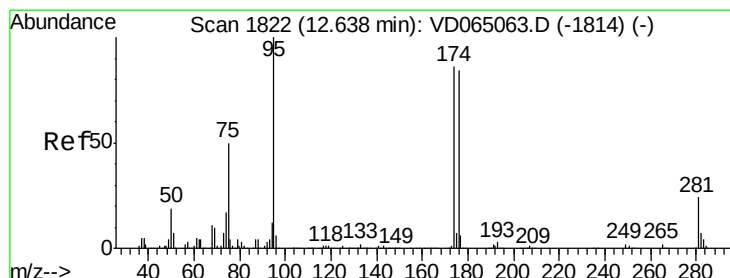
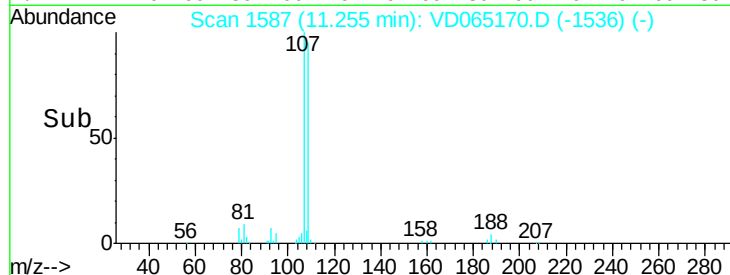
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.764 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

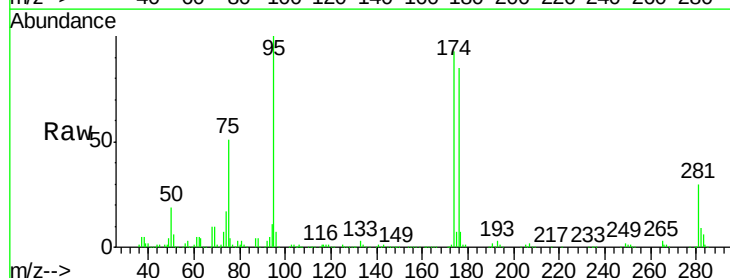
Tgt Ion: 95 Resp: 272882

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

176 85.2 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

200000

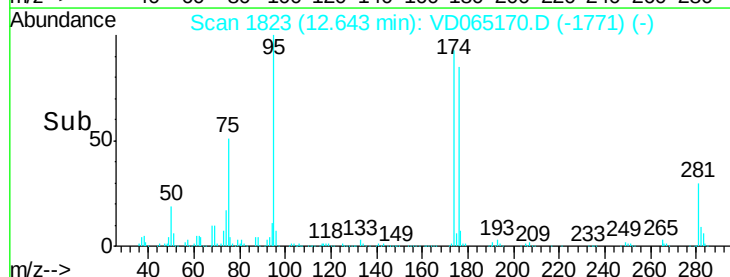
150000

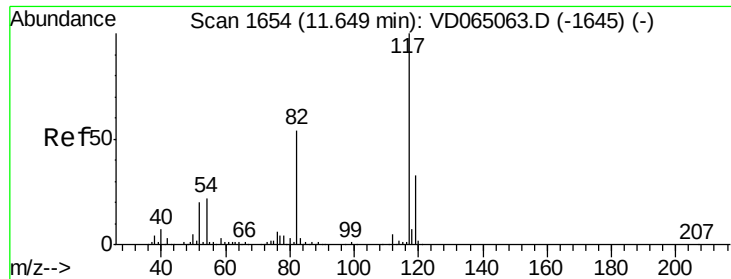
100000

50000

0

Time-->





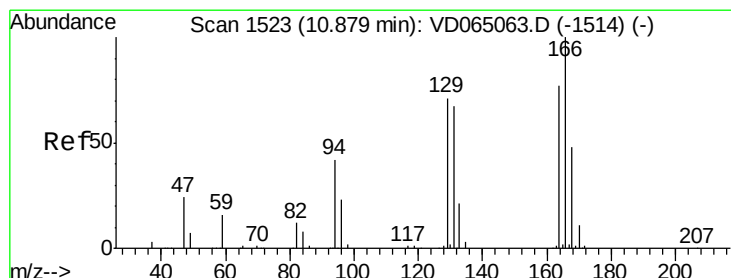
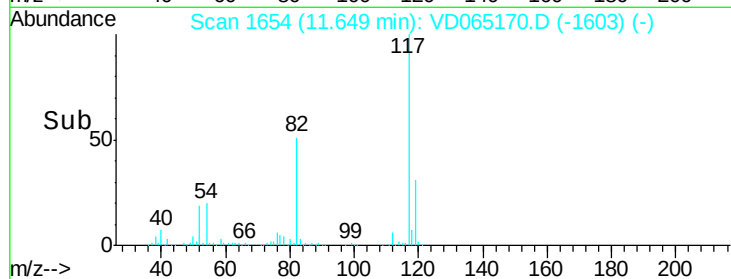
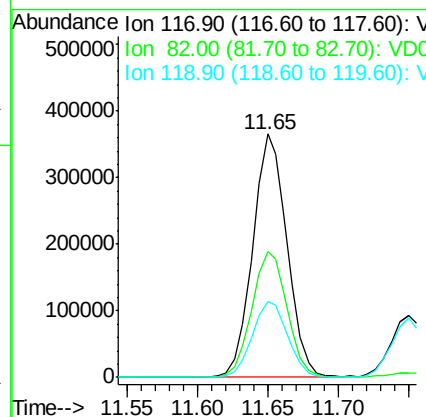
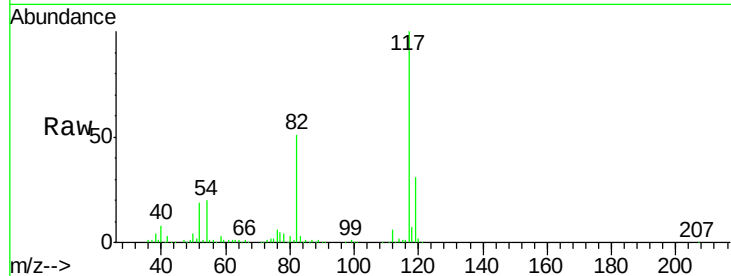
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	622602		
82	51.5	43.1	64.7	
119	31.3	26.0	39.0	

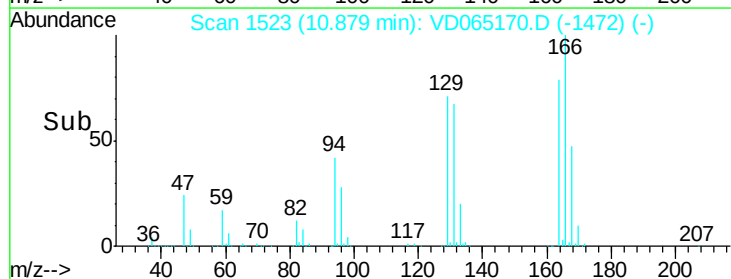
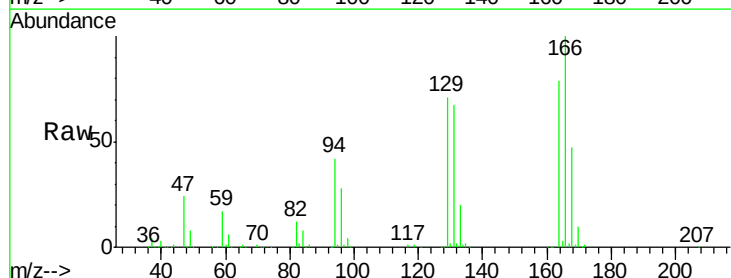
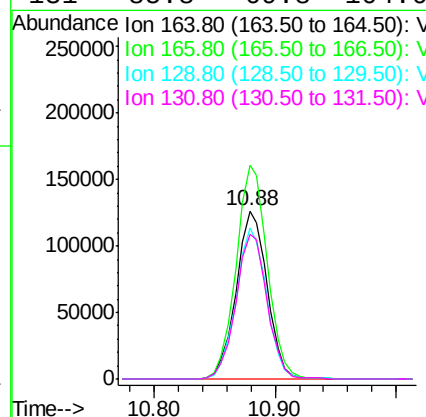
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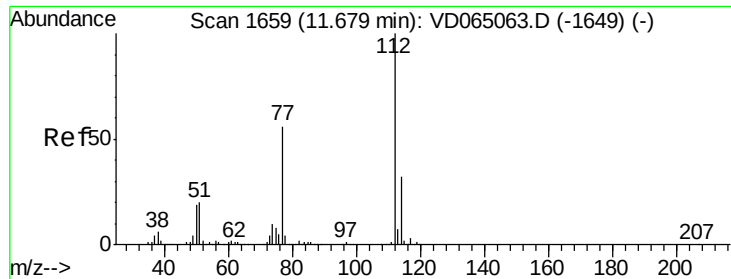
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#64
Tetrachloroethene
Concen: 50.405 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225496		
166	127.2	103.5	155.3	
129	90.4	73.3	109.9	
131	85.8	69.8	104.6	





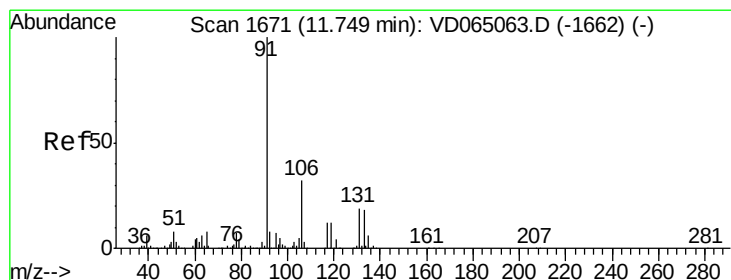
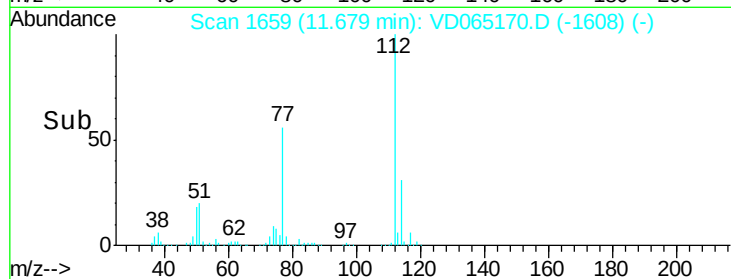
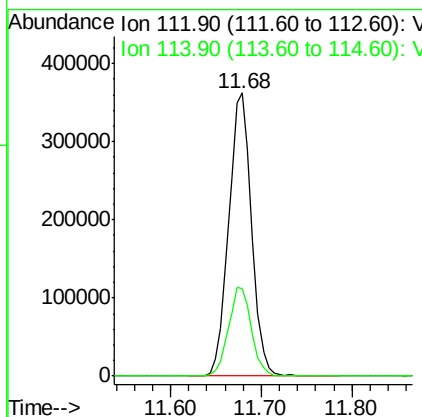
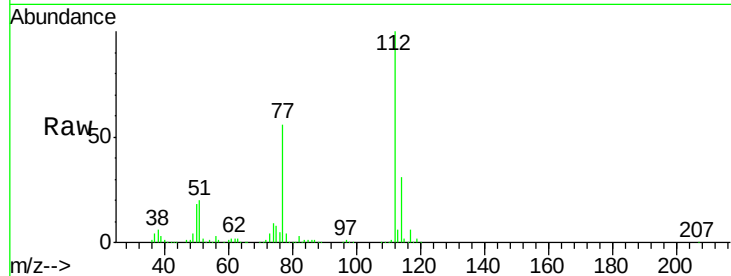
#65
Chlorobenzene
Concen: 52.650 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.0

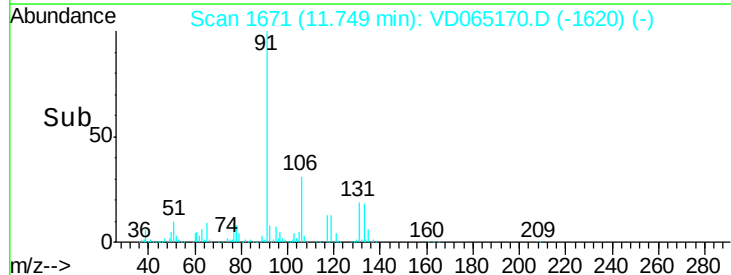
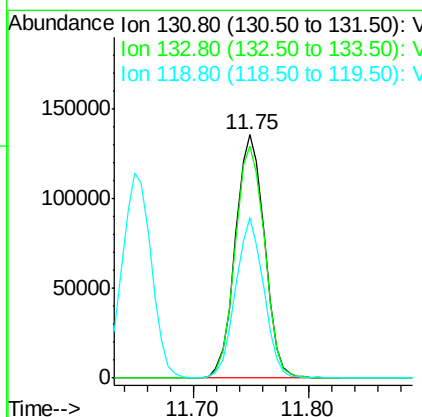
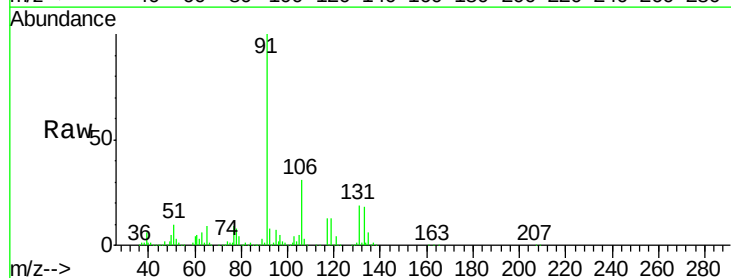
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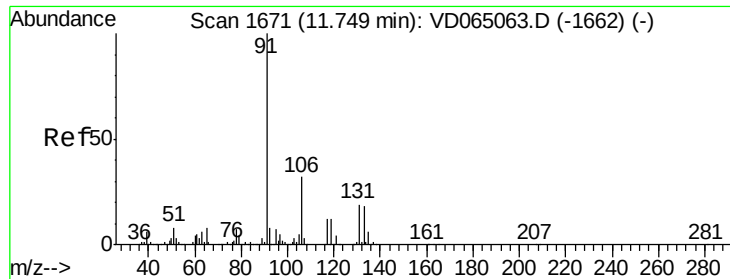
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.375 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.7	143.1
119	63.1	31.3	93.8





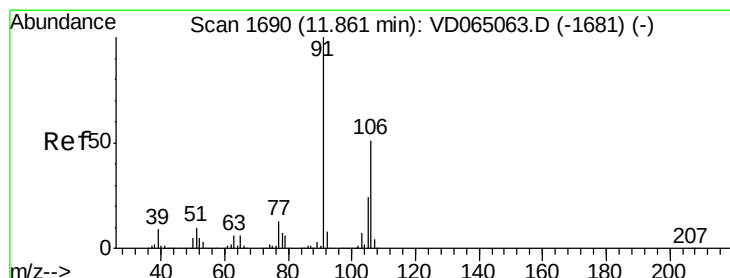
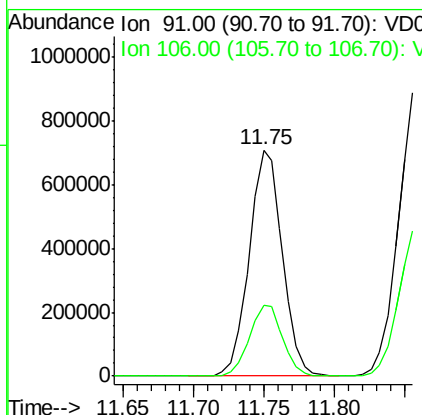
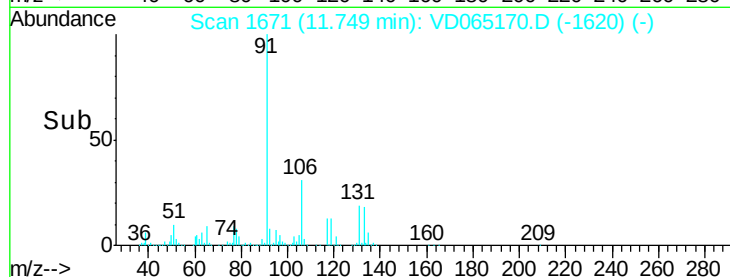
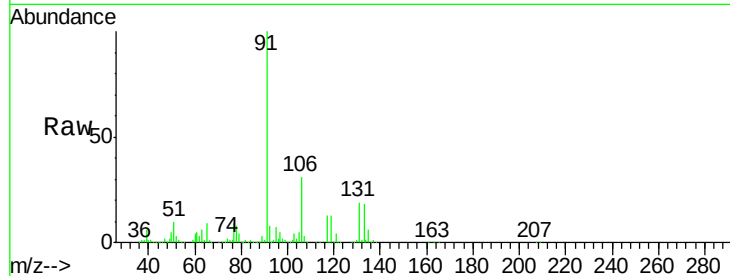
#67
Ethyl Benzene
Concen: 53.351 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1167226
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2

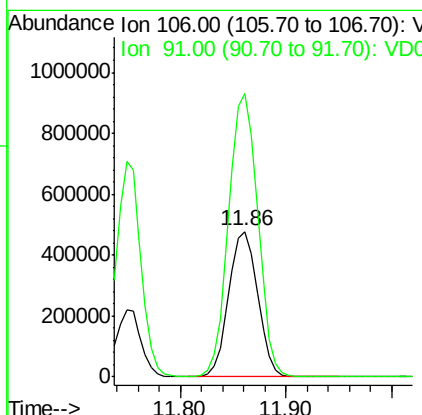
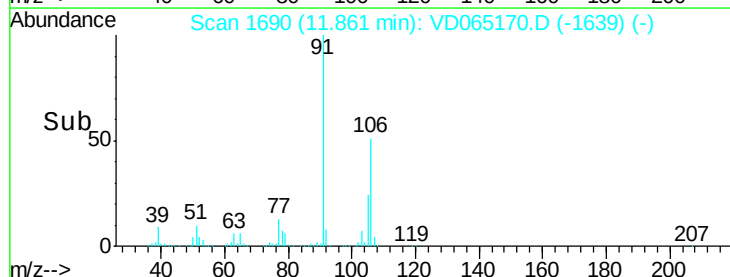
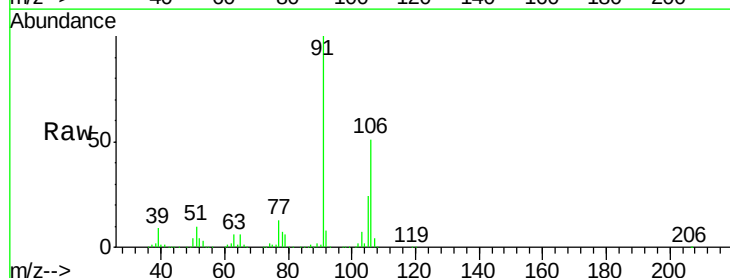
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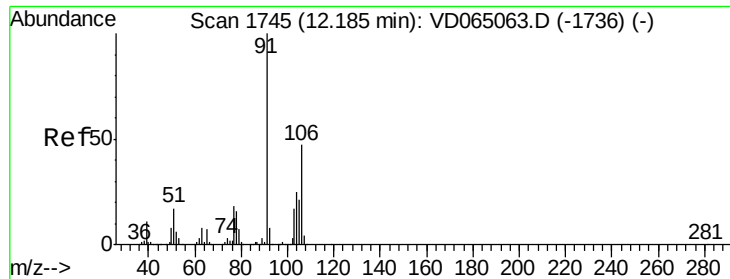
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#68
m/p-Xylenes
Concen: 108.559 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion: 106 Resp: 906500
Ion Ratio Lower Upper
106 100
91 196.1 158.9 238.3





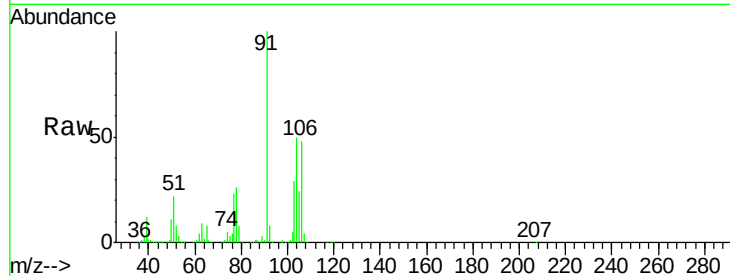
#69
o-Xylene
Concen: 53.090 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

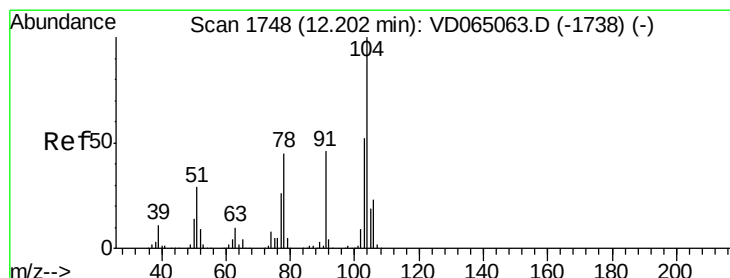
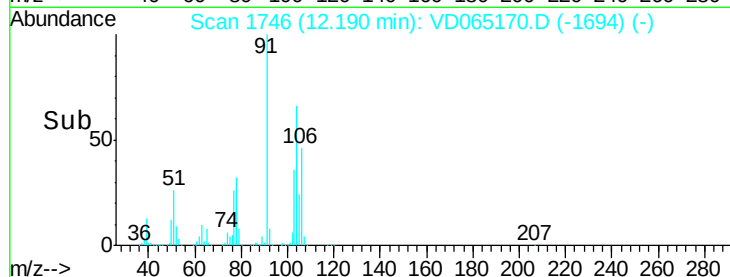
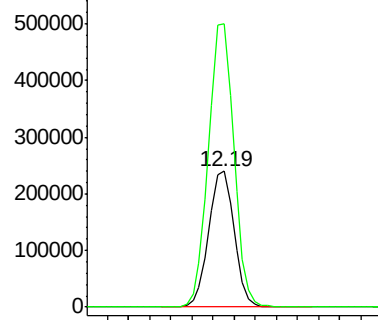
Tot Ion	Ratio	Lower	Upper
106	100		
91	208.7	104.7	313.9

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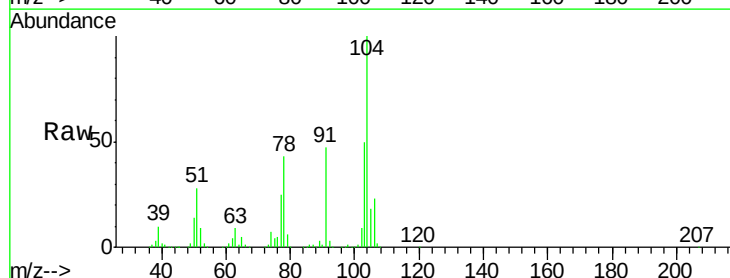


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

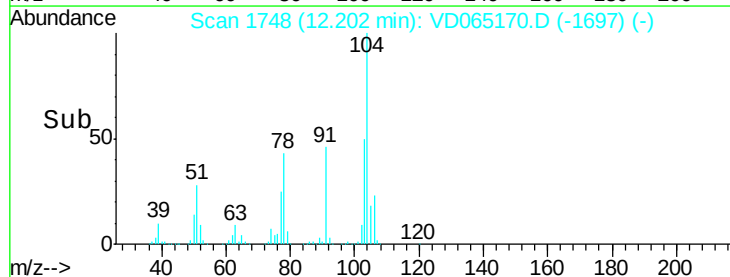
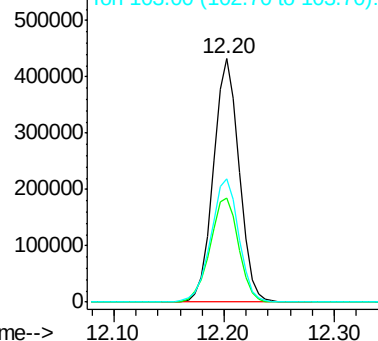


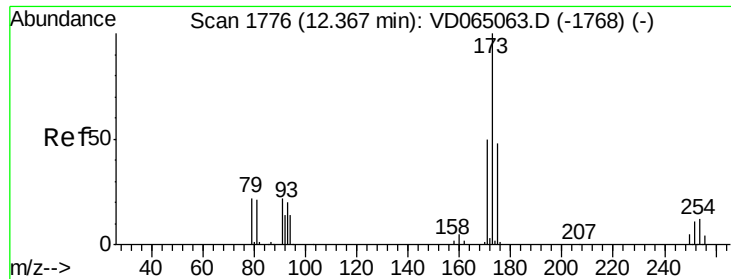
#70
Styrene
Concen: 54.321 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.5	57.7
103	54.8	43.8	65.8



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





#71

Bromoform

Concen: 52.049 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

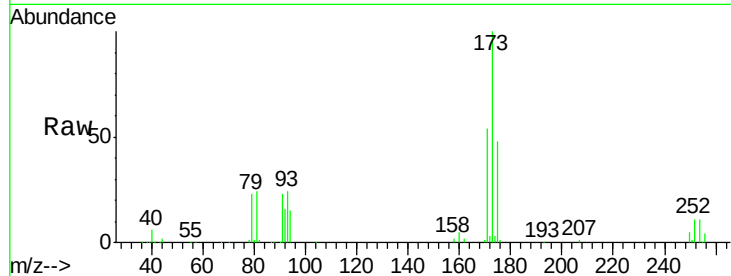
ClientSampleId :

VSTDCCC050

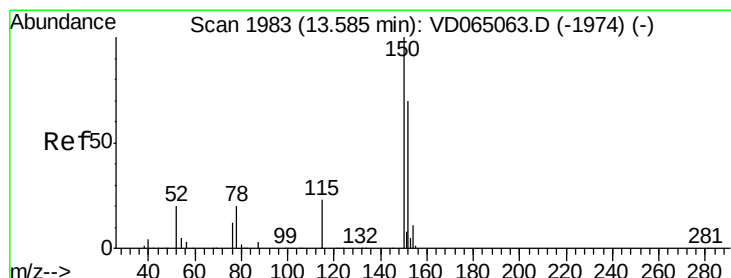
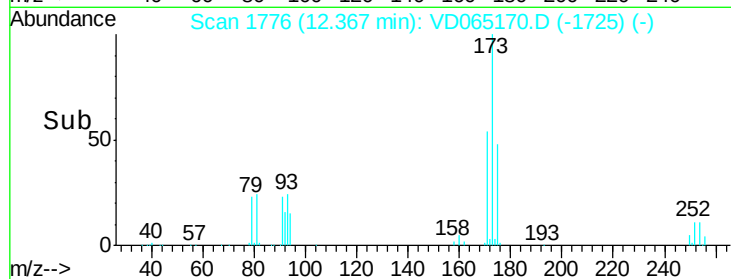
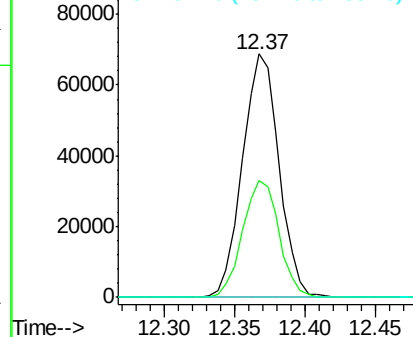
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.2	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

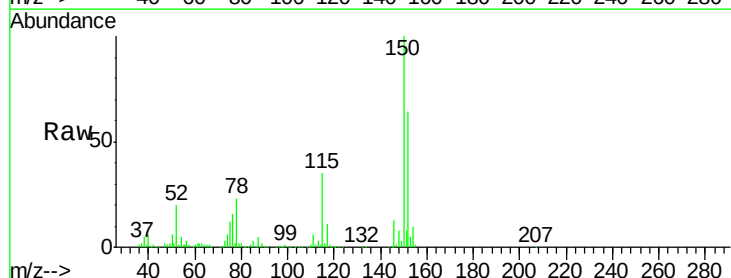
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

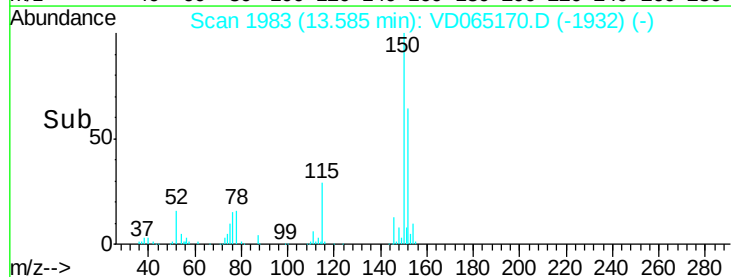
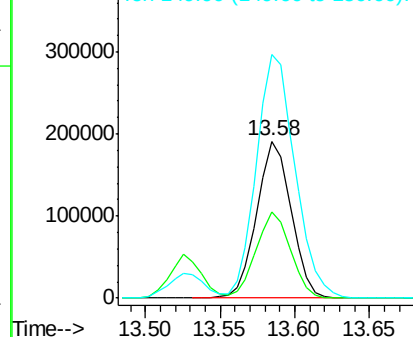
Lab File: VD065170.D

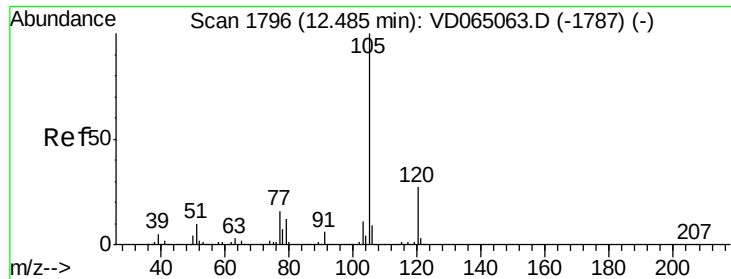
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.5	82.4
150	174.9	0.0	343.2



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





#73

Isopropylbenzene

Concen: 52.573 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1097687

Ion Ratio Lower Upper

105 100

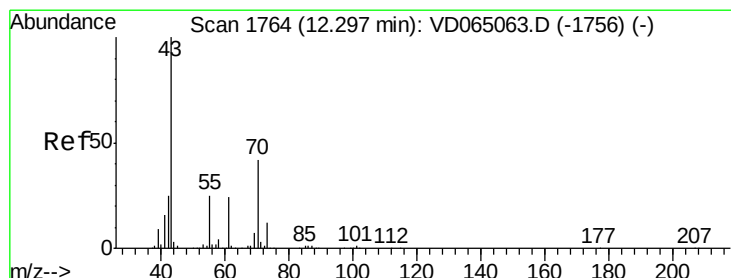
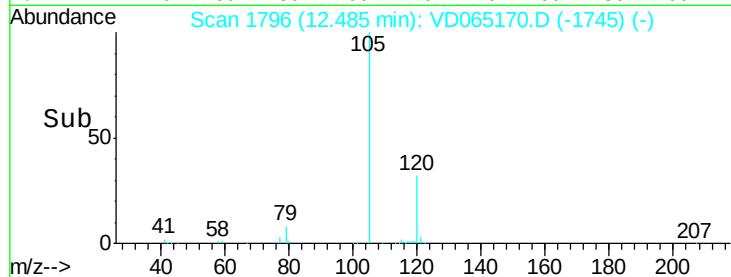
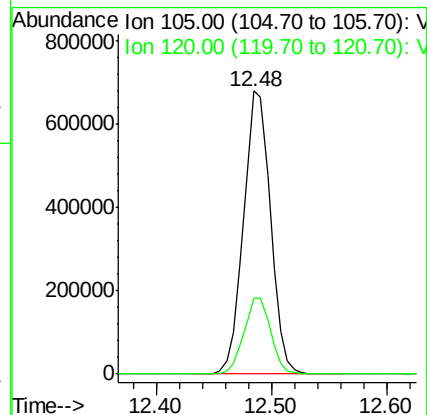
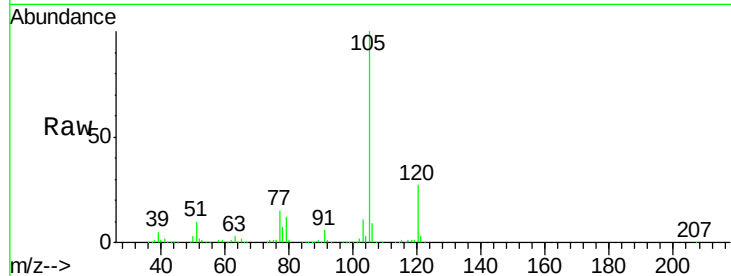
120 26.8 13.3 39.9

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#74

N-ethyl acetate

Concen: 48.701 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion: 43 Resp: 221013

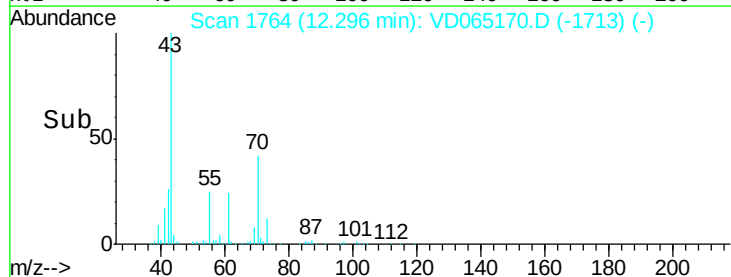
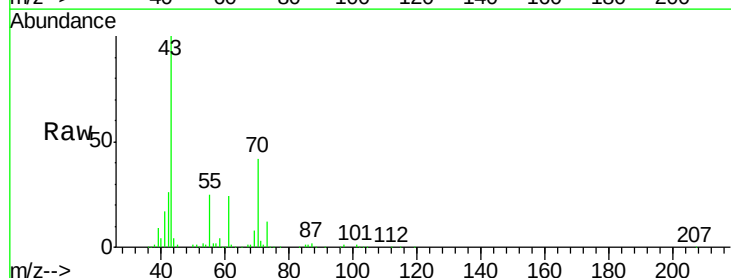
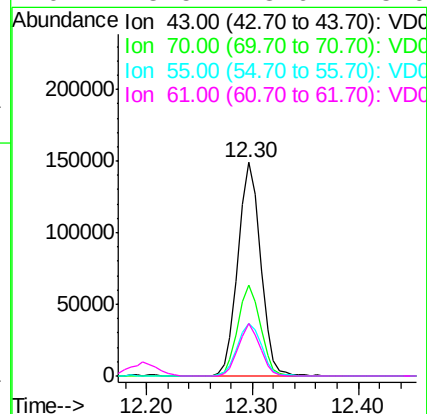
Ion Ratio Lower Upper

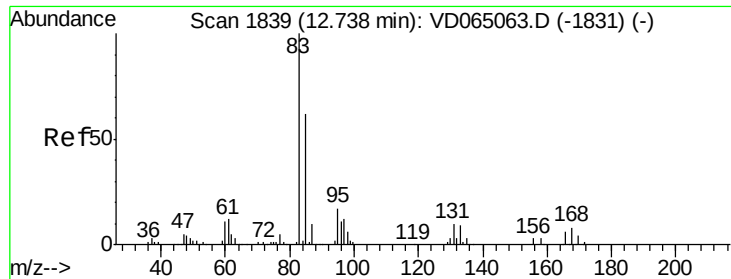
43 100

70 42.2 33.5 50.3

55 26.5 19.4 29.2

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.560 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

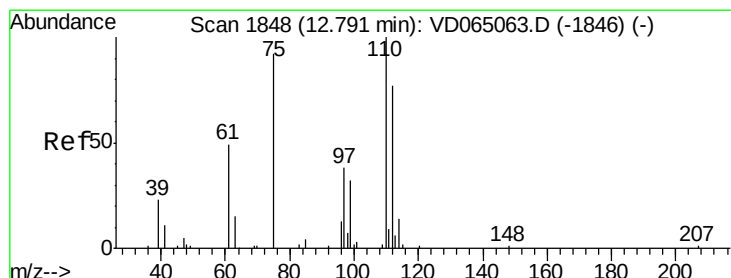
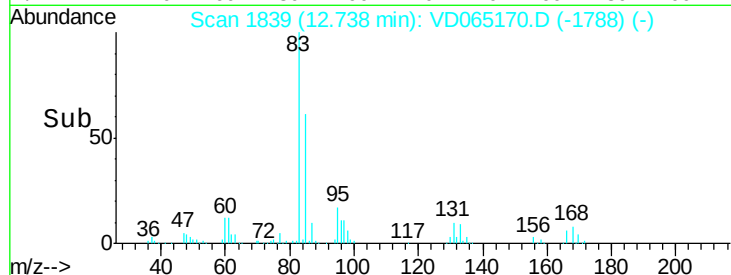
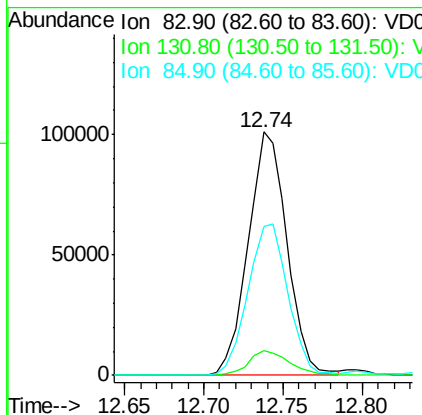
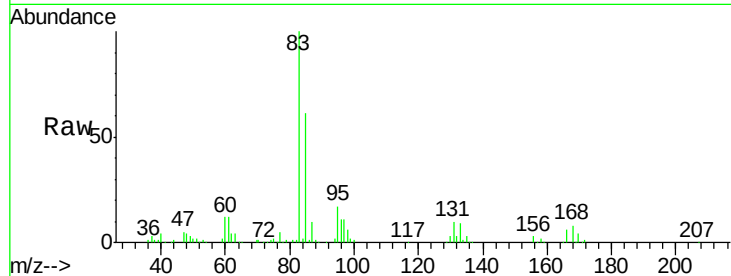
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172715
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	64.1	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 42.610 ug/l m

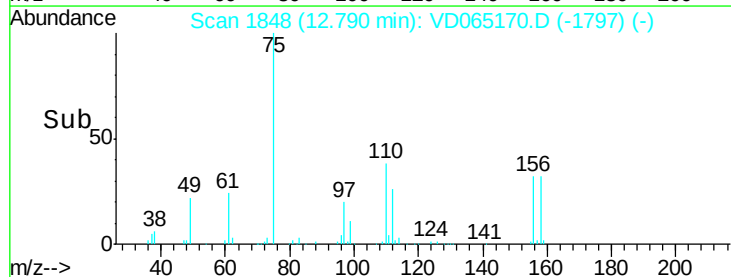
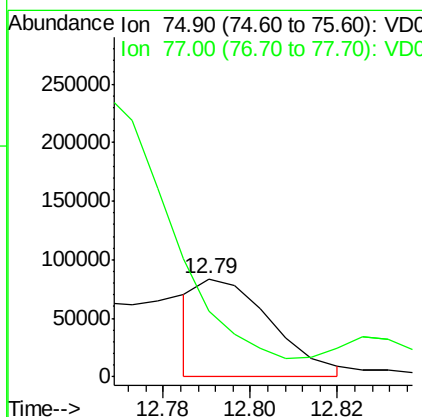
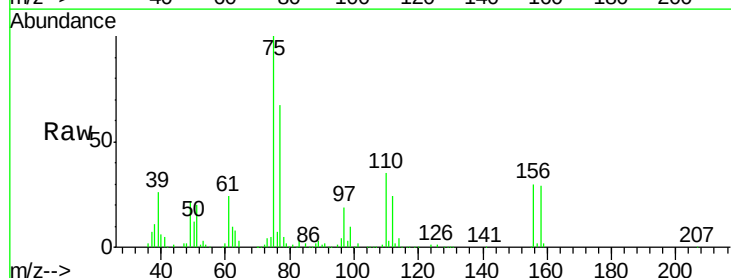
RT: 12.79 min Scan# 1848

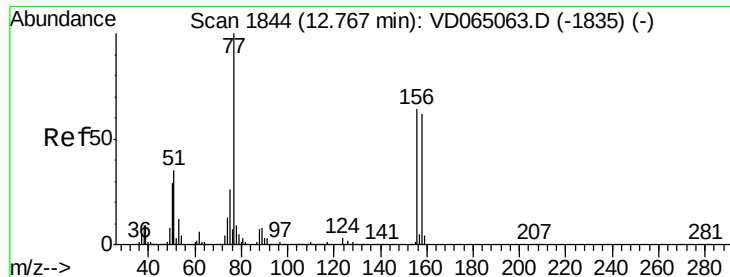
Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Tgt Ion:	75	Resp:	98135
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





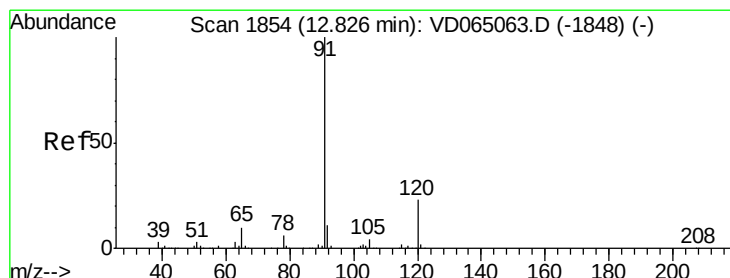
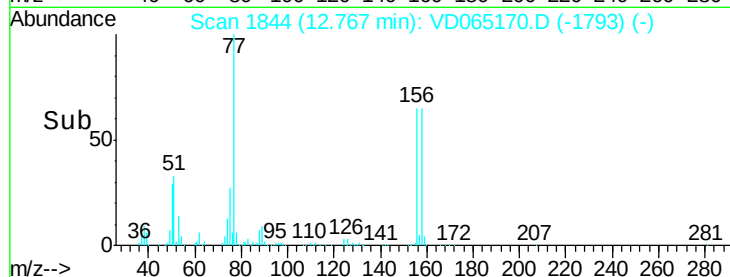
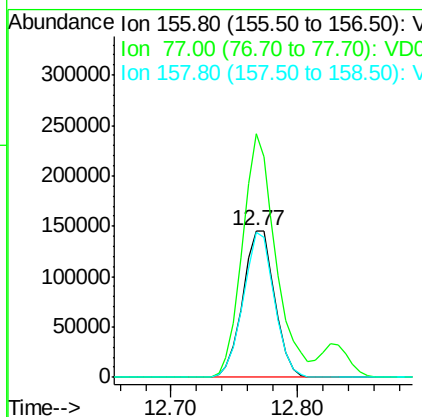
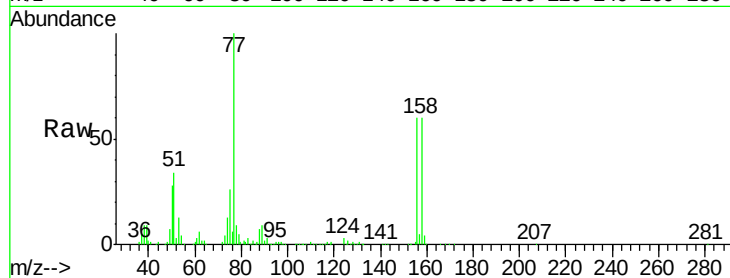
#77
Bromobenzene
Concen: 50.487 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.9	85.6	256.8
158	96.6	47.4	142.2

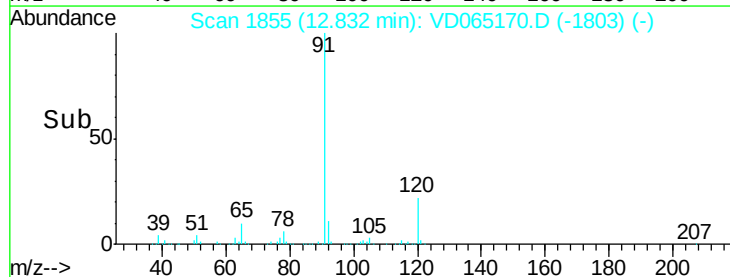
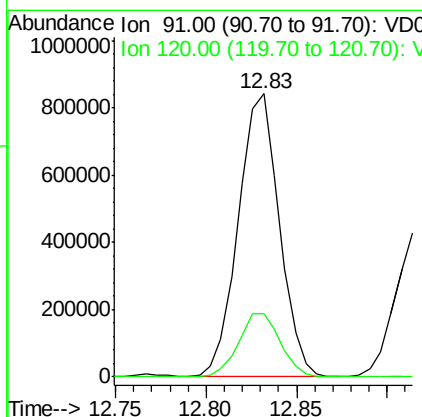
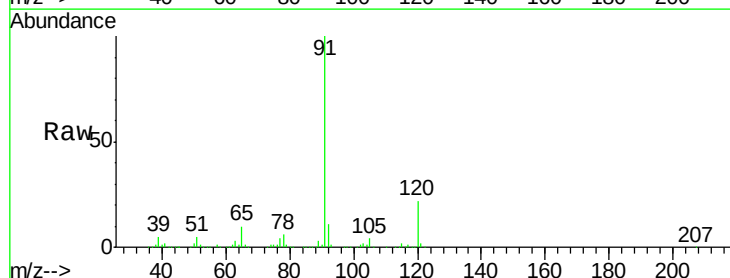
Manual Integrations
APPROVED

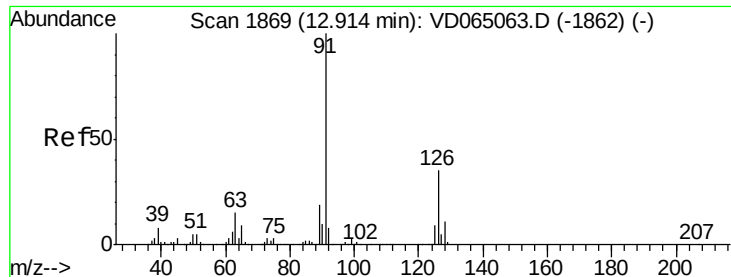
MMDadoda
2/14/2020 4:17:47 PM



#78
n-propylbenzene
Concen: 54.064 ug/l
RT: 12.83 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.8	35.3





#79

2-Chlorotoluene

Concen: 52.746 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 718896

Ion Ratio Lower Upper

91 100

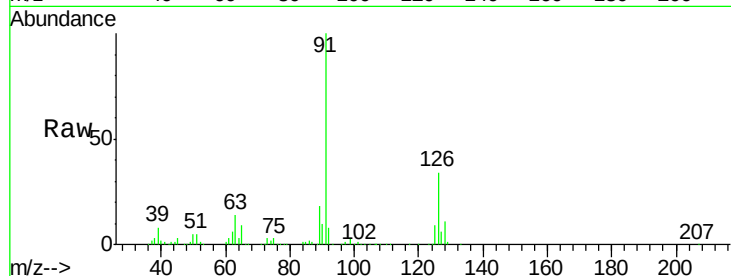
126 34.8 17.4 52.3

Manual Integrations

APPROVED

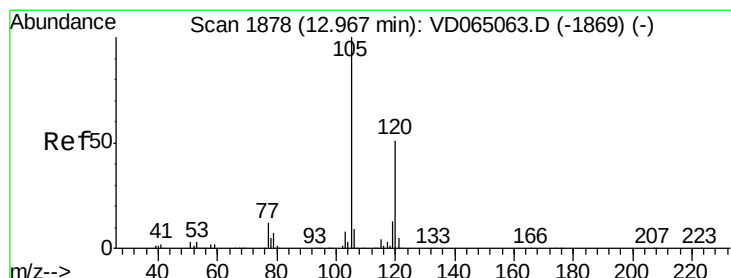
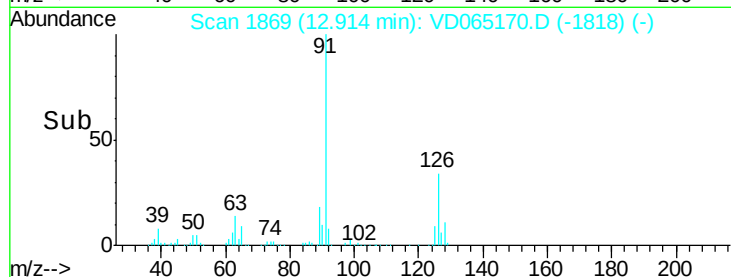
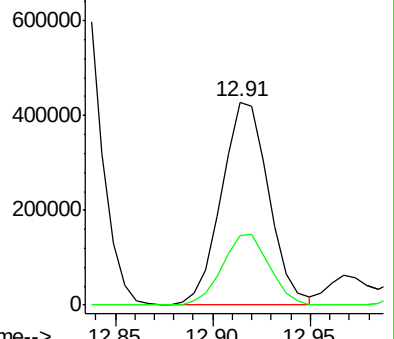
MMDadoda

2/14/2020 4:17:47 PM



Abundance Ion 91.00 (90.70 to 91.70): VD065170.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD065170.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.981 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065170.D

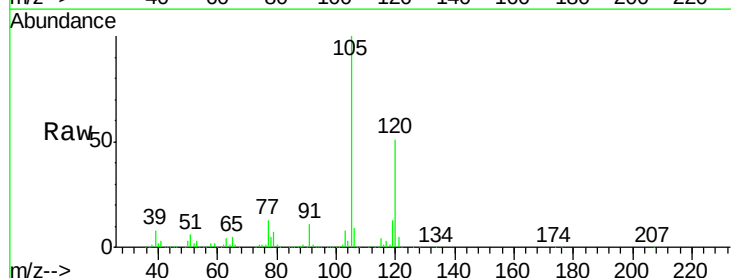
Acq: 13 Feb 2020 10:08

Tgt Ion: 105 Resp: 904986

Ion Ratio Lower Upper

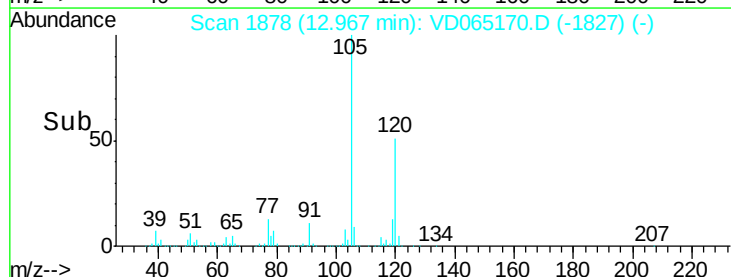
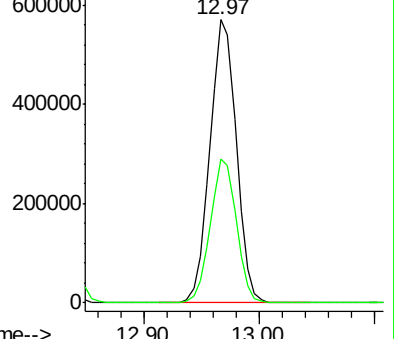
105 100

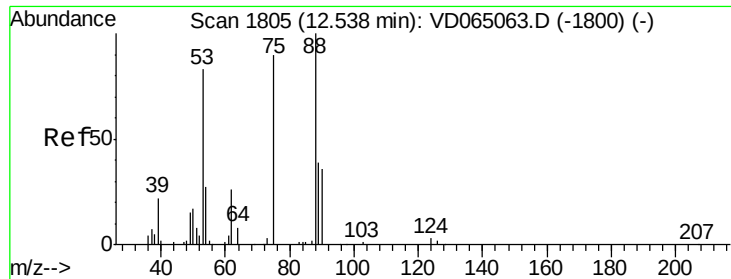
120 50.3 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065170.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD065170.D (-1827) (-)





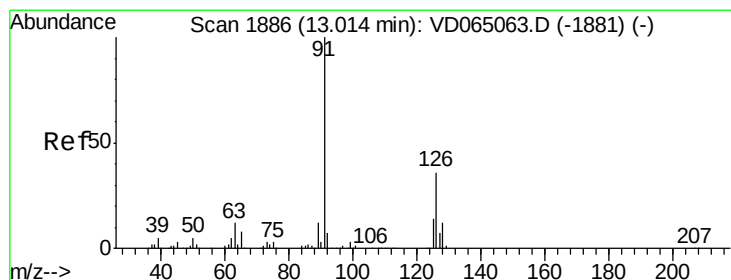
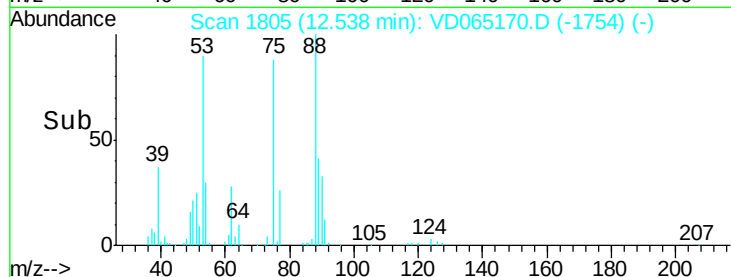
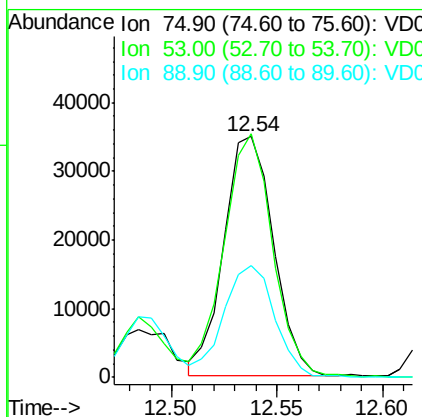
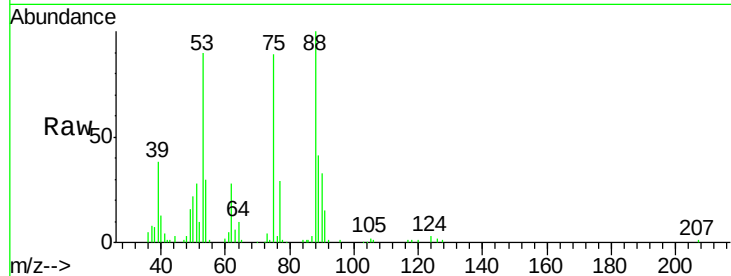
#81
trans-1,4-Dichloro-2-butene
Concen: 49.295 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	78.5	117.7
89	48.4	37.0	55.4

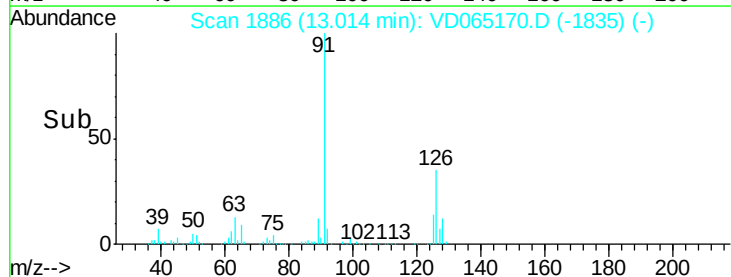
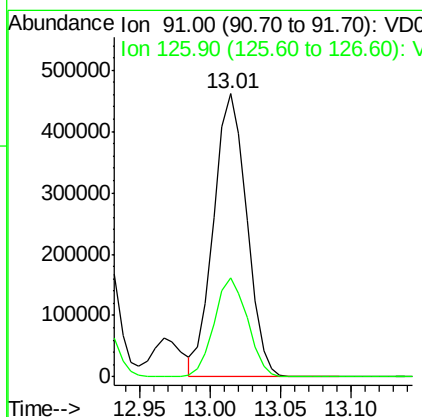
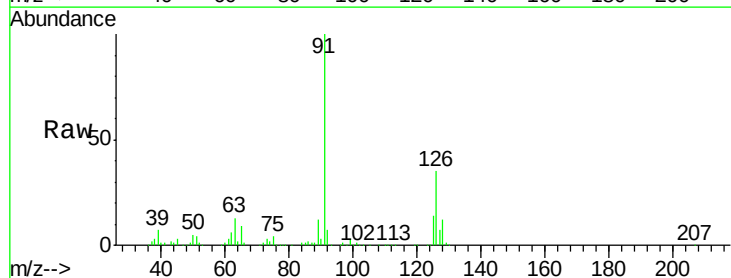
Manual Integrations
APPROVED

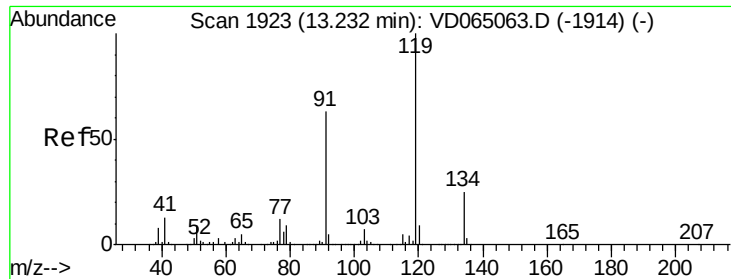
MMDadoda
2/14/2020 4:17:47 PM



#82
4-Chlorotoluene
Concen: 52.654 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





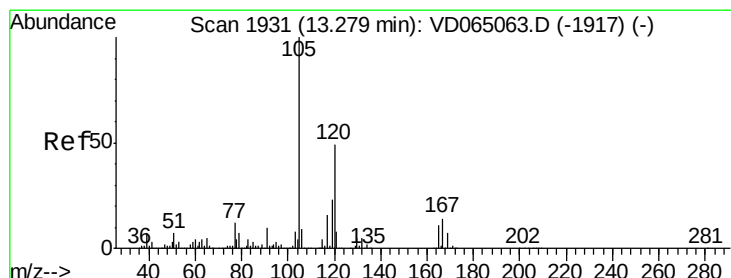
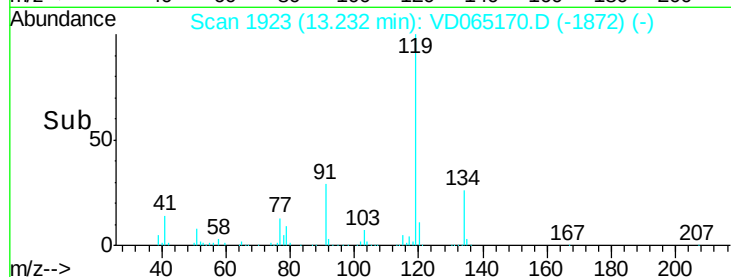
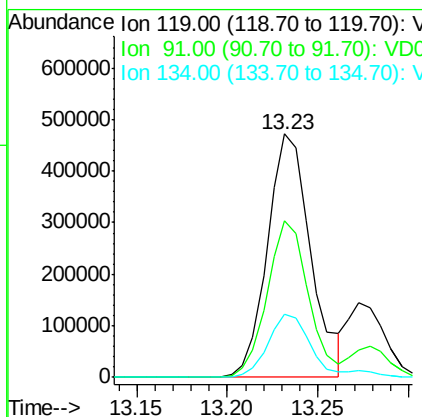
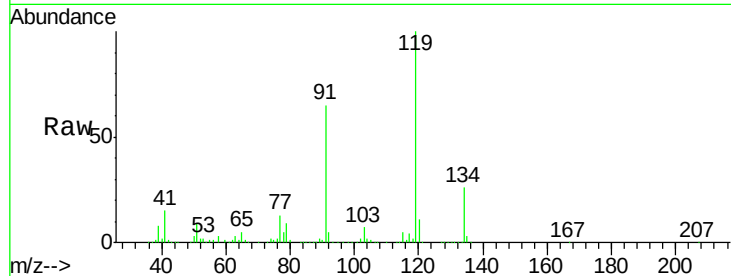
#83
 tert-Butylbenzene
 Concen: 53.404 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	786998		
91	61.2		32.3	96.9
134	26.8		13.8	41.3

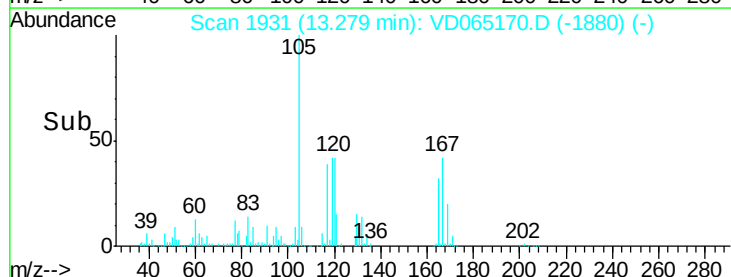
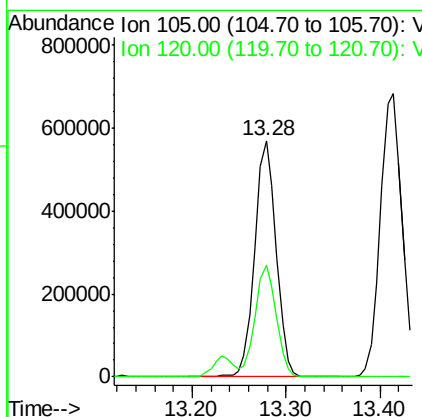
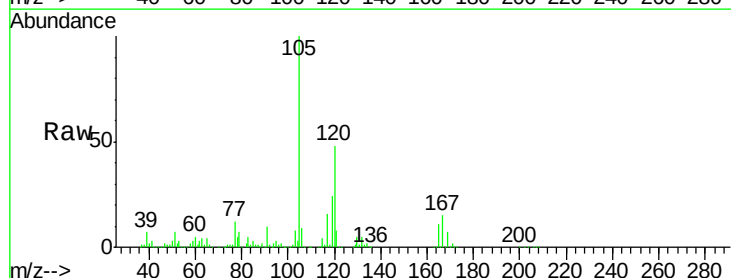
Manual Integrations
 APPROVED

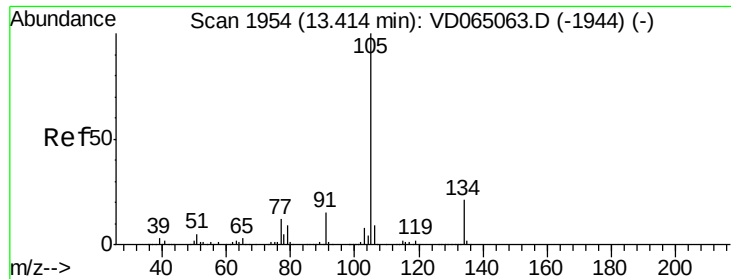
MMDadoda
 2/14/2020 4:17:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.011 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	898964		
120	46.8		23.5	70.5





#85

sec-Butylbenzene

Concen: 54.112 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1089123

Ion Ratio Lower Upper

105 100

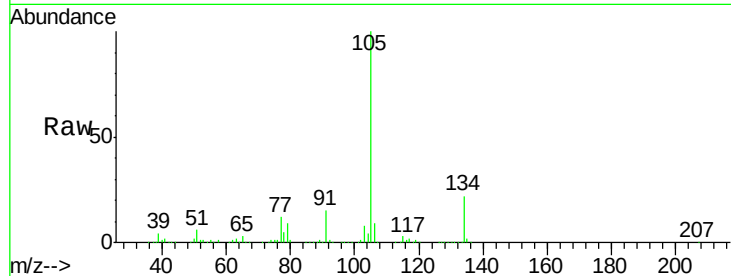
134 20.6 10.4 31.1

Manual Integrations

APPROVED

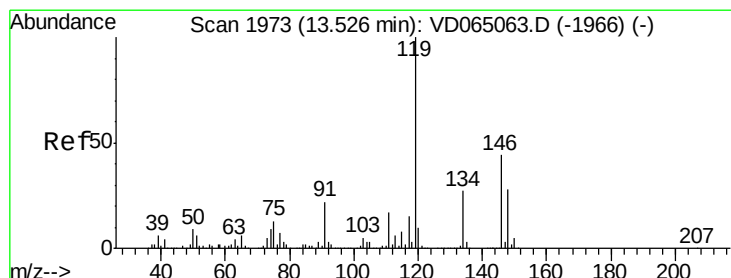
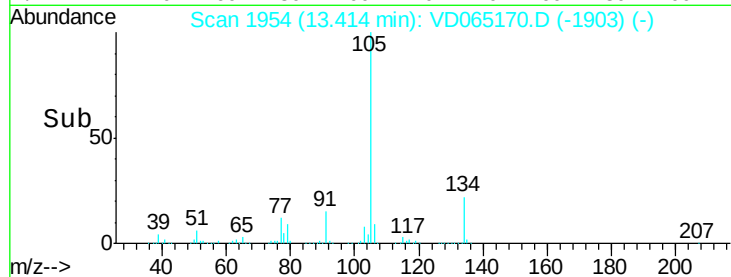
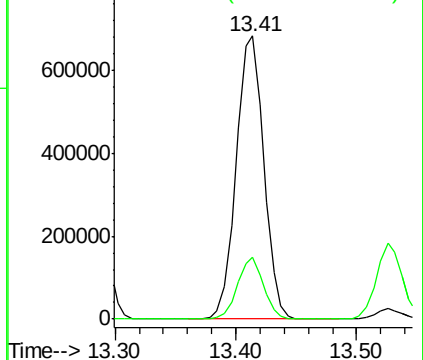
MMDadoda

2/14/2020 4:17:47 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.905 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065170.D

Acq: 13 Feb 2020 10:08

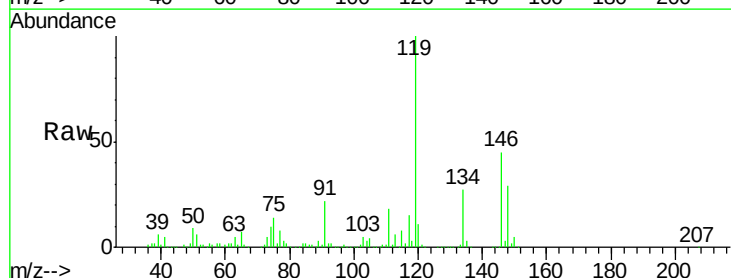
Tgt Ion:119 Resp: 1008060

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

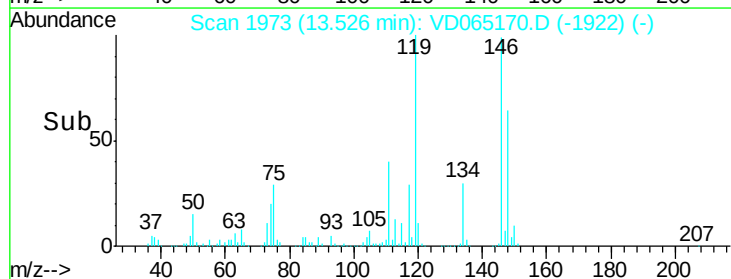
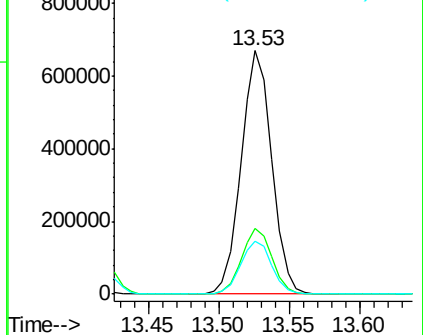
91 22.2 11.3 33.9

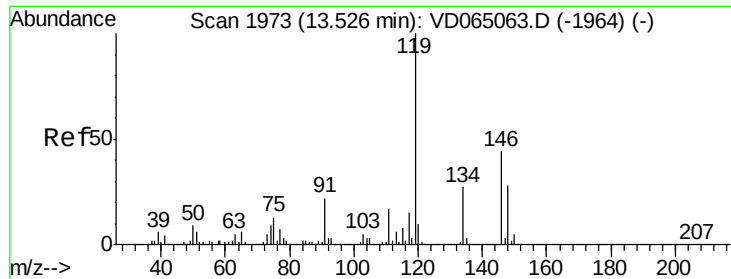


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





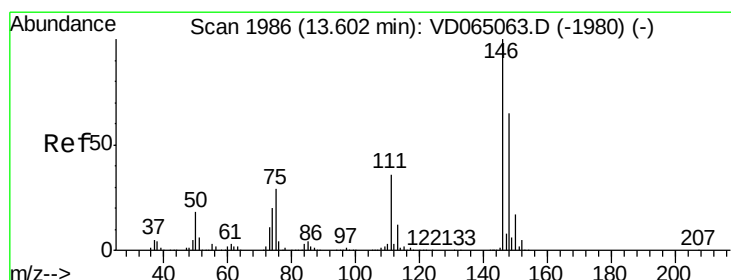
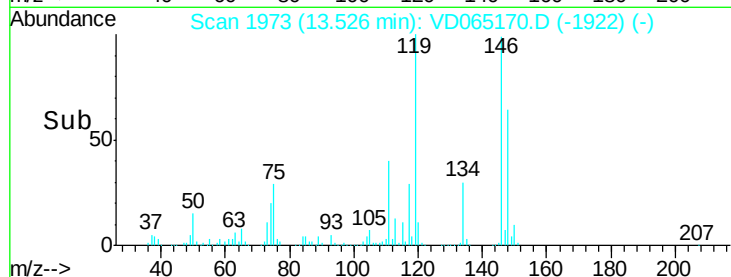
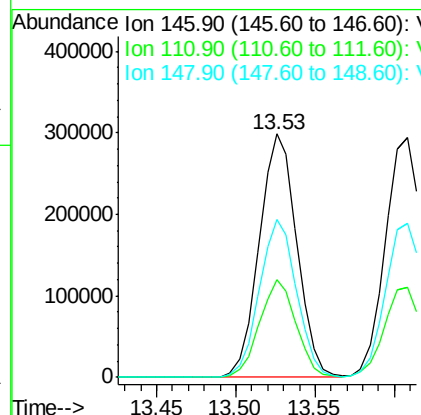
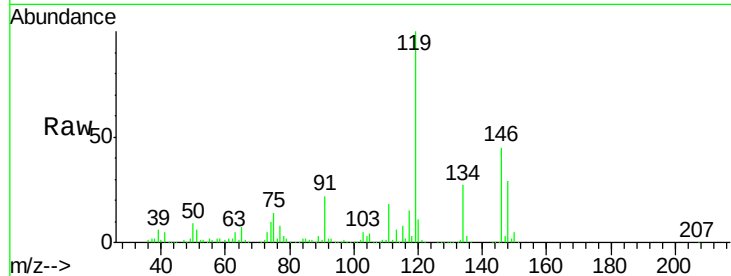
#87
 1,3-Dichlorobenzene
 Concen: 52.364 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.0	32.3	96.8

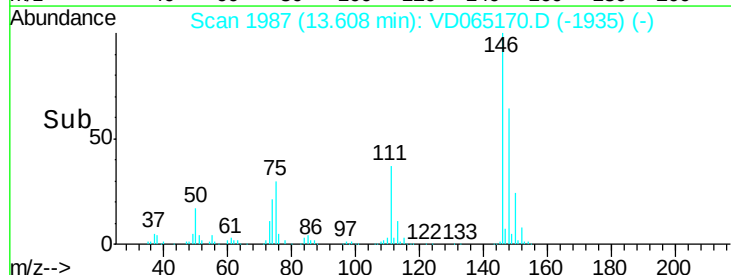
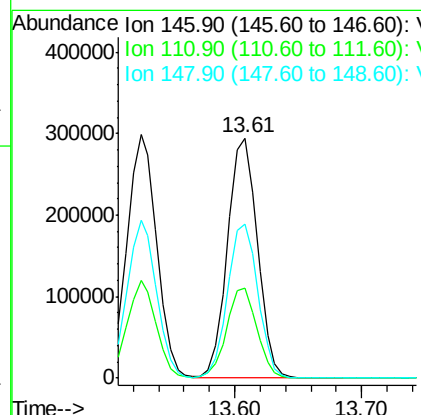
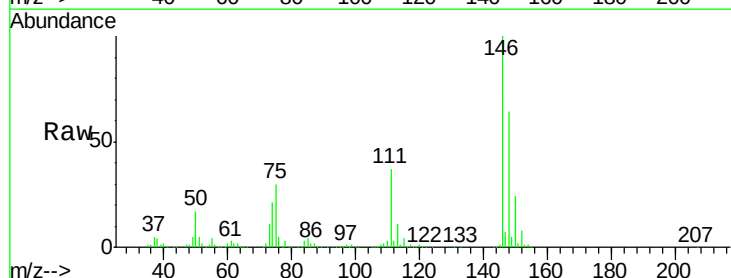
Manual Integrations
 APPROVED

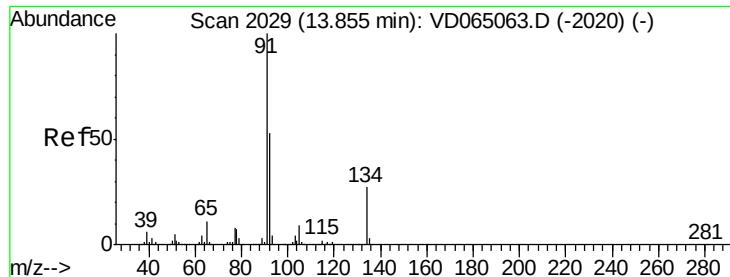
MMDadoda
 2/14/2020 4:17:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.495 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.5	55.5
148	65.0	32.7	98.1





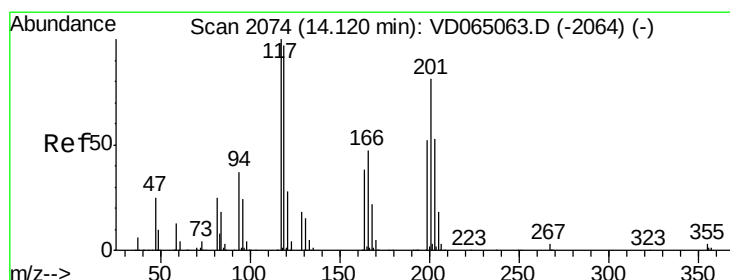
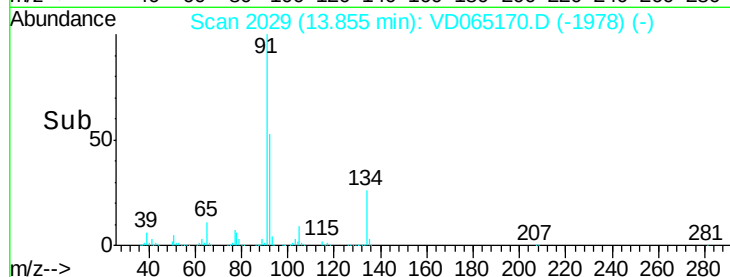
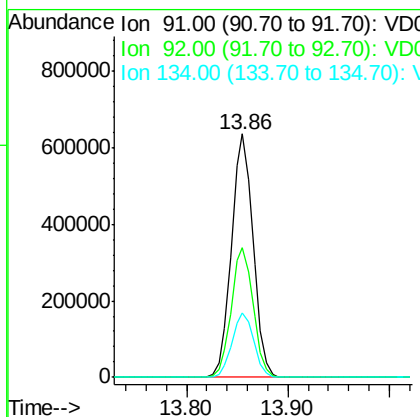
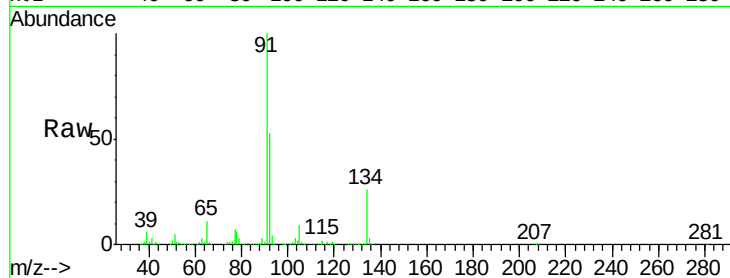
#89
n-Butylbenzene
Concen: 54.468 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.1
134	26.5	13.4	40.2

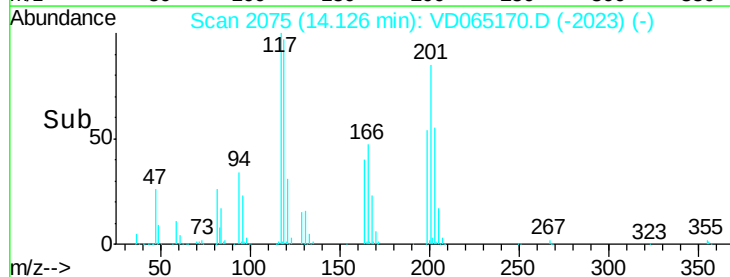
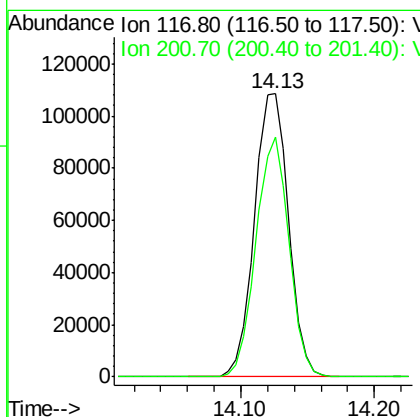
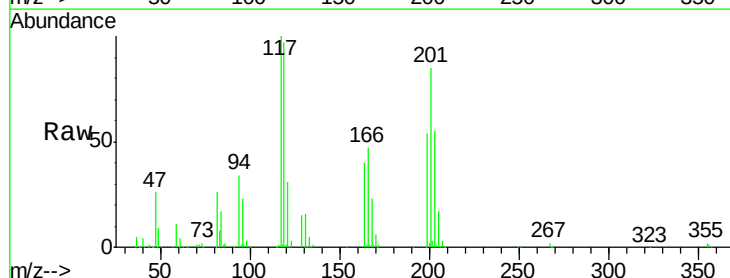
Manual Integrations
APPROVED

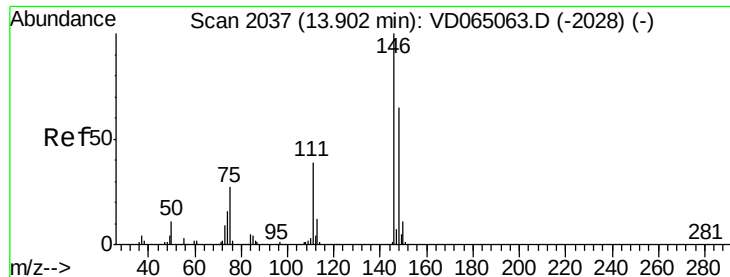
MMDadoda
2/14/2020 4:17:47 PM



#90
Hexachloroethane
Concen: 53.966 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	42.5	127.6





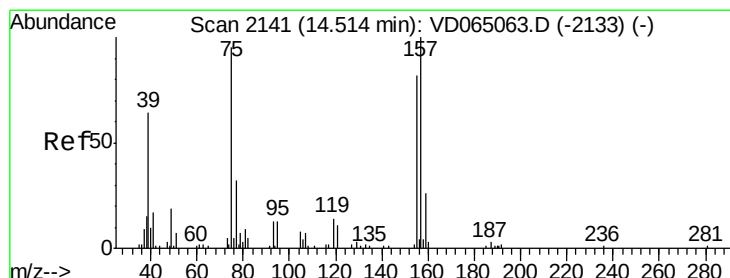
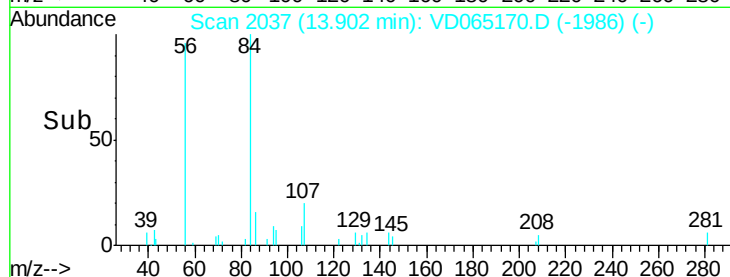
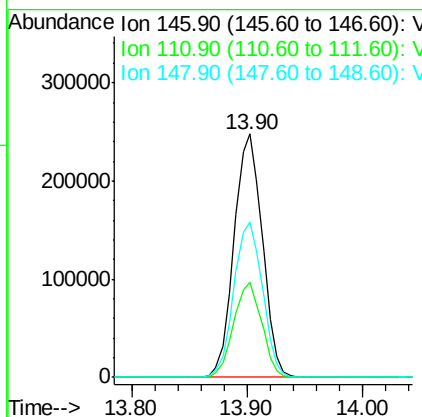
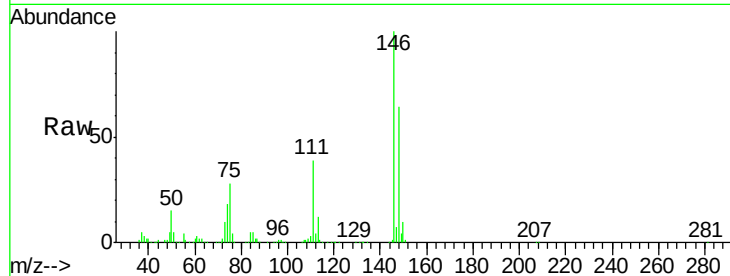
#91
 1,2-Dichlorobenzene
 Concen: 52.121 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	420481		
111	39.0		19.7	59.1
148	64.4		31.9	95.5

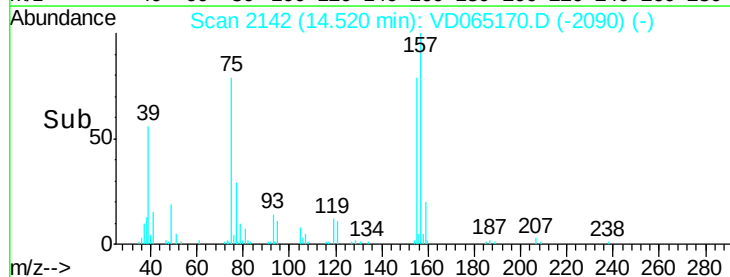
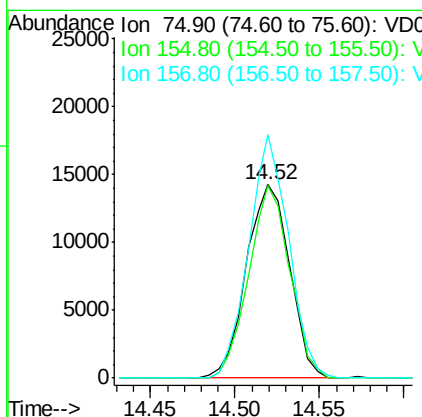
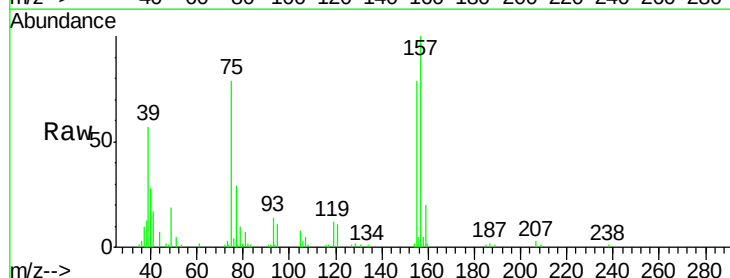
Manual Integrations
 APPROVED

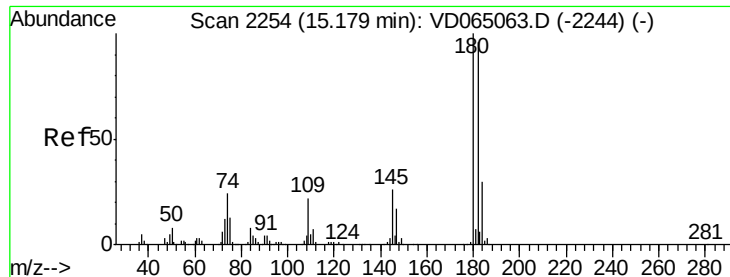
MMDadoda
 2/14/2020 4:17:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.397 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25425		
155	94.5		43.4	130.1
157	115.8		55.8	167.3





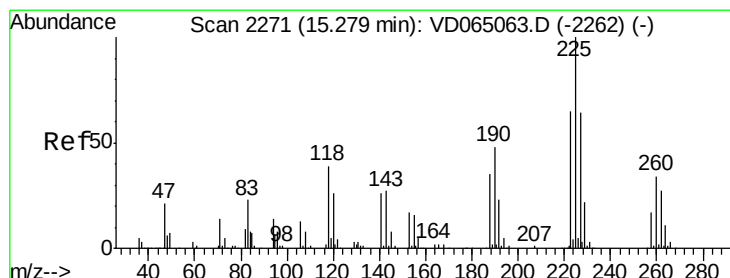
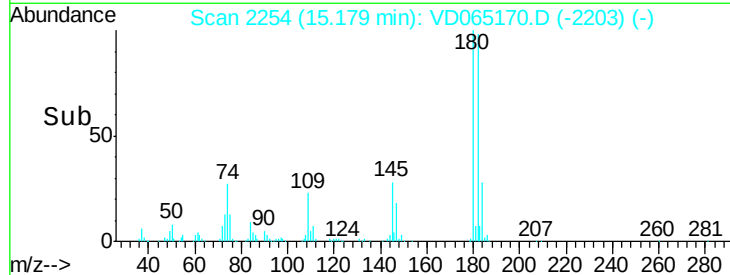
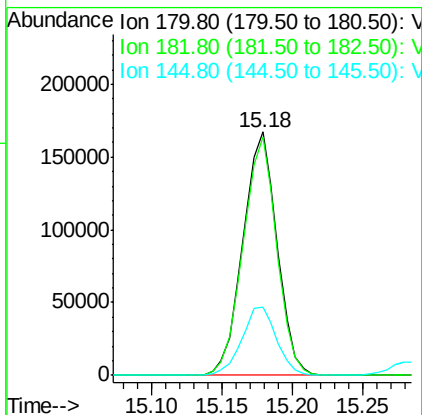
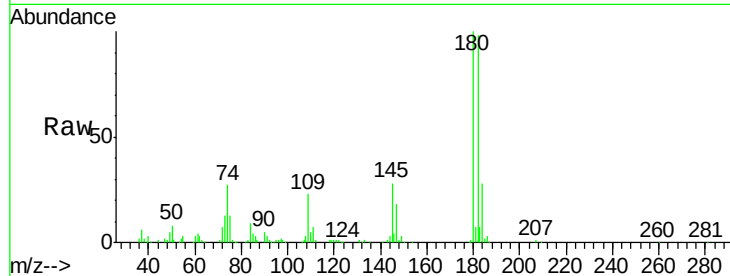
#93
 1,2,4-Trichlorobenzene
 Concen: 49.054 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	282844
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.4	142.3
145	28.6	14.1	42.4

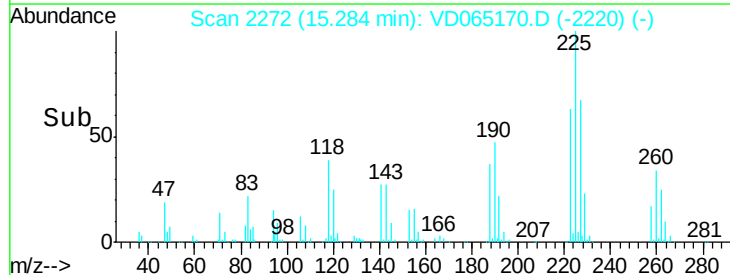
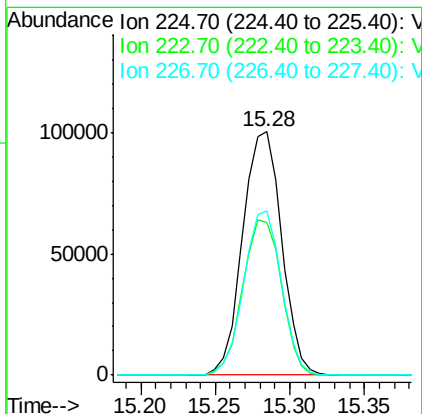
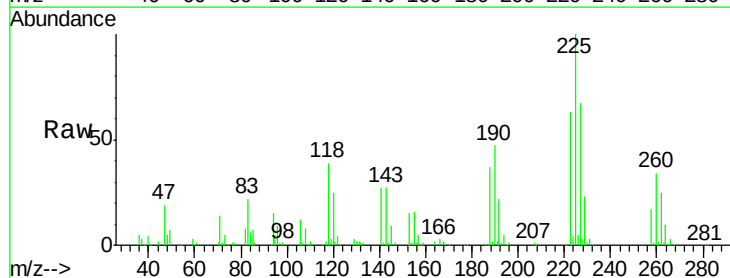
Manual Integrations
 APPROVED

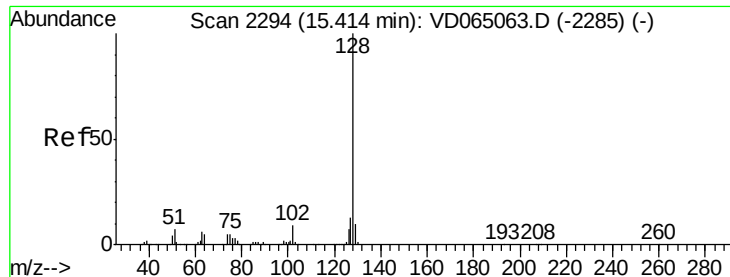
MMDadoda
 2/14/2020 4:17:47 PM



#94
 Hexachlorobutadiene
 Concen: 51.196 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065170.D
 Acq: 13 Feb 2020 10:08

Tgt Ion:	225	Resp:	181511
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.4	94.0
227	65.1	31.8	95.3





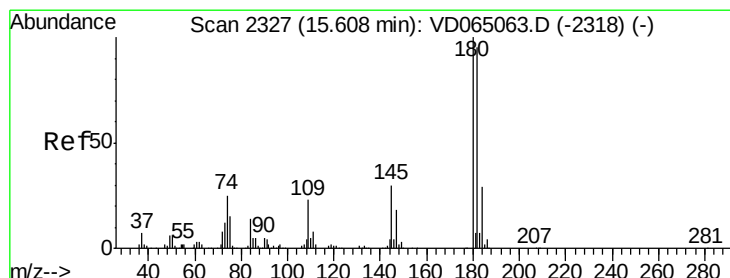
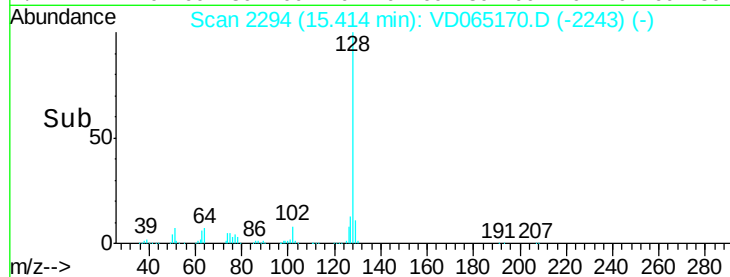
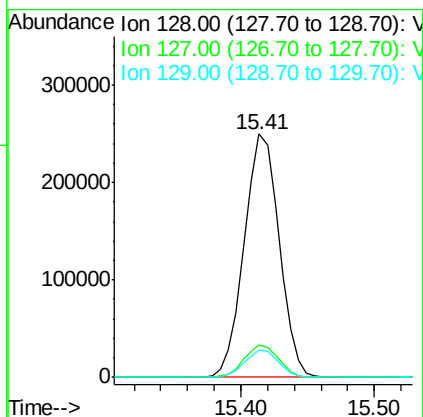
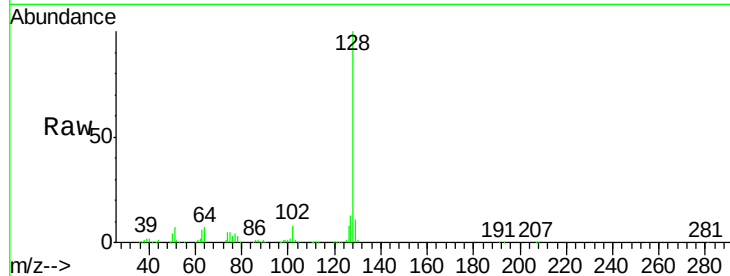
#95
Naphthalene
Concen: 47.298 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	453285		
127	13.2		10.6	15.8
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:17:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.820 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065170.D
Acq: 13 Feb 2020 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	240785		
182	96.7		47.1	141.4
145	31.5		14.9	44.9

