

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066038.D
 Acq On : 24 Jul 2020 10:51
 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
 7/27/2020 12:03:45 PM

Quant Time: Jul 25 00:00:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	300532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	425900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	399585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	213589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	131106	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.92	113	139520	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
50) Toluene-d8	10.34	98	528673	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
62) 4-Bromofluorobenzene	12.64	95	182393	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	98084	43.005	ug/l	97
3) Chloromethane	2.21	50	78042	41.930	ug/l	96
4) Vinyl Chloride	2.35	62	81732	46.113	ug/l	89
5) Bromomethane	2.77	94	58059	46.195	ug/l	99
6) Chloroethane	2.92	64	50895	48.102	ug/l	98
7) Trichlorofluoromethane	3.27	101	210123	48.739	ug/l	96
8) Diethyl Ether	3.70	74	57622	48.354	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	128811	49.483	ug/l	98
10) Methyl Iodide	4.30	142	137455	51.872	ug/l	95
11) Tert butyl alcohol	5.21	59	35654	229.527	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	117545	47.305	ug/l	94
13) Acrolein	3.92	56	45251	219.633	ug/l	97
14) Allyl chloride	4.71	41	177936	45.810	ug/l	93
15) Acrylonitrile	5.41	53	120703	237.090	ug/l	98
16) Acetone	4.15	43	129557	261.740	ug/l	91
17) Carbon Disulfide	4.40	76	356017	44.170	ug/l	99
18) Methyl Acetate	4.72	43	51129	44.403	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	260201	50.966	ug/l	98
20) Methylene Chloride	4.97	84	139556	51.052	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	136748	48.693	ug/l	94
22) Diisopropyl ether	6.36	45	369044	50.010	ug/l	97
23) Vinyl Acetate	6.30	43	1044458	250.968	ug/l	95
24) 1,1-Dichloroethane	6.26	63	223836	50.062	ug/l	96
25) 2-Butanone	7.21	43	158908	241.942	ug/l	98
26) 2,2-Dichloropropane	7.21	77	203632	50.645	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	146781	49.364	ug/l	99
28) Bromochloromethane	7.54	49	98449	51.878	ug/l	96
29) Tetrahydrofuran	7.56	42	95151	234.796	ug/l	96
30) Chloroform	7.71	83	235403	50.331	ug/l	97
31) Cyclohexane	7.99	56	198036	45.020	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	220911	51.063	ug/l	99
36) 1,1-Dichloropropene	8.11	75	186151	51.213	ug/l	98
37) Ethyl Acetate	7.30	43	70832	51.026	ug/l	98
38) Carbon Tetrachloride	8.09	117	207355	52.575	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	228503	51.911	ug/l	98
40) Benzene	8.35	78	518019	50.941	ug/l	98
41) Methacrylonitrile	7.53	41	42724m	53.726	ug/l	
42) 1,2-Dichloroethane	8.43	62	144932	52.011	ug/l	99
43) Isopropyl Acetate	8.46	43	130082	47.979	ug/l	98
44) Trichloroethene	9.11	130	161585	52.509	ug/l	87
45) 1,2-Dichloropropane	9.38	63	125678	51.029	ug/l	95
46) Dibromomethane	9.48	93	68209	51.446	ug/l	96
47) Bromodichloromethane	9.66	83	181551	51.788	ug/l	96
48) Methyl methacrylate	9.46	41	66612	48.706	ug/l	95
49) 1,4-Dioxane	9.47	88	15522	1010.511	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	343810	251.676	ug/l	99
52) Toluene	10.41	92	348935	52.617	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	171645	52.555	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	206616	52.189	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	98072	52.156	ug/l	96
56) Ethyl methacrylate	10.66	69	114822	52.521	ug/l	96
57) 1,3-Dichloropropane	10.95	76	162191	52.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	263417	252.227	ug/l	96
59) 2-Hexanone	10.98	43	250280	264.377	ug/l	97
60) Dibromochloromethane	11.14	129	135525	53.455	ug/l	99
61) 1,2-Dibromoethane	11.25	107	94922	52.356	ug/l	98
64) Tetrachloroethene	10.88	164	139207	51.328	ug/l	96
65) Chlorobenzene	11.67	112	381180	52.101	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	144991	53.672	ug/l	99
67) Ethyl Benzene	11.75	91	673871	53.522	ug/l	99
68) m/p-Xylenes	11.86	106	515633	106.551	ug/l	99
69) o-Xylene	12.18	106	241949	54.970	ug/l	98
70) Styrene	12.20	104	415071	54.885	ug/l	99
71) Bromoform	12.36	173	80932	51.145	ug/l #	94
73) Isopropylbenzene	12.48	105	674647	52.200	ug/l	99
74) N-amyl acetate	12.29	43	129703	48.402	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	100490	47.048	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	74840m	46.536	ug/l	
77) Bromobenzene	12.77	156	166736	50.481	ug/l	96
78) n-propylbenzene	12.83	91	781935	52.138	ug/l	100
79) 2-Chlorotoluene	12.91	91	432406	50.467	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	569851	53.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	34453	49.159	ug/l	98
82) 4-Chlorotoluene	13.01	91	462888	51.184	ug/l	99
83) tert-Butylbenzene	13.23	119	491380	52.884	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	560204	53.476	ug/l	99
85) sec-Butylbenzene	13.41	105	682099	53.296	ug/l	100
86) p-Isopropyltoluene	13.52	119	631748	54.334	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	313415	51.108	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	322864	52.080	ug/l	98
89) n-Butylbenzene	13.85	91	588445	54.429	ug/l	99
90) Hexachloroethane	14.12	117	122754	50.999	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	278842	52.474	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	16256	46.438	ug/l	94

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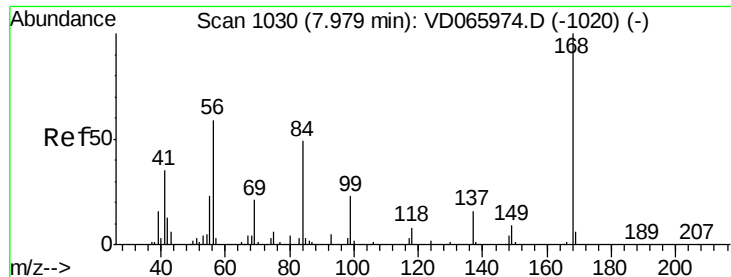
Manual Integrations
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7/27/2020 12:03:45 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	205914	53.985	ug/l	99
94) Hexachlorobutadiene	15.27	225	128224	54.375	ug/l	99
95) Naphthalene	15.41	128	323914	47.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	176304	53.169	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 300532

Ion Ratio Lower Upper

168 100

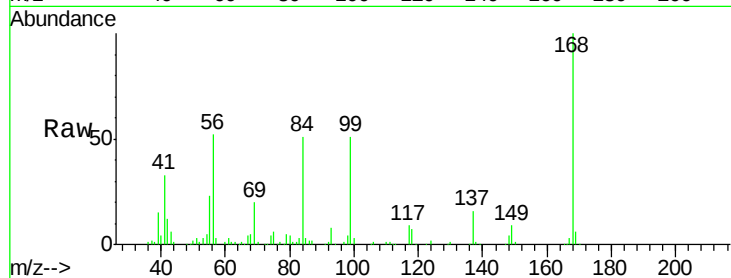
99 51.0 40.8 61.2

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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

150000

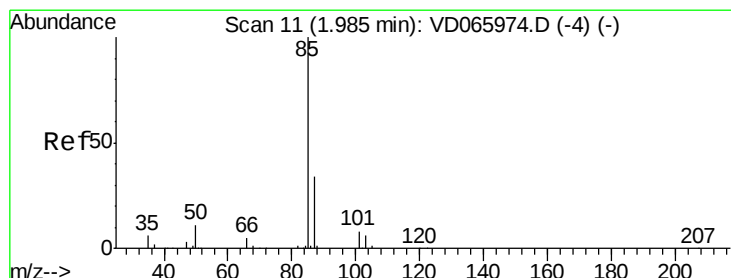
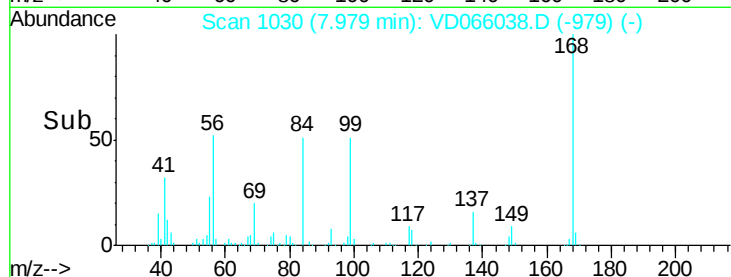
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.005 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066038.D

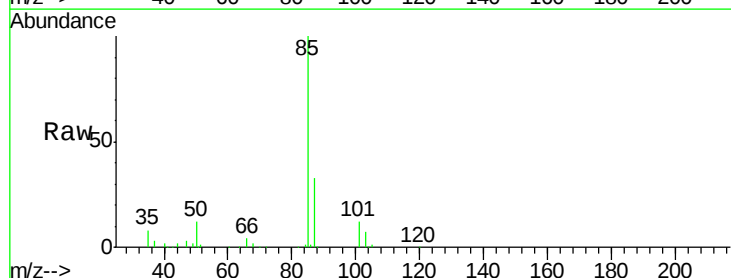
Acq: 24 Jul 2020 10:51

Tgt Ion: 85 Resp: 98084

Ion Ratio Lower Upper

85 100

87 32.7 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

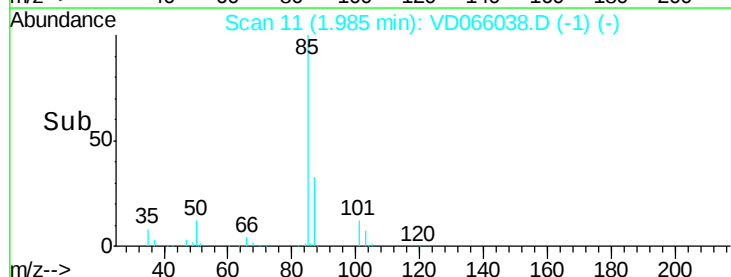
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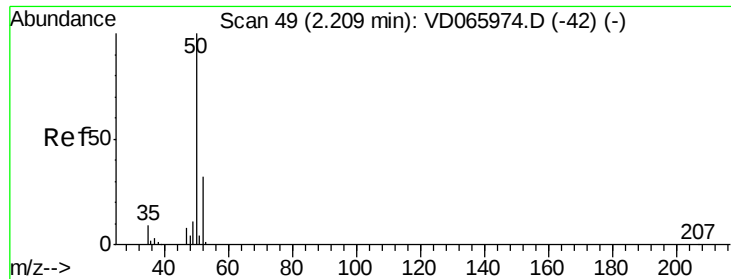
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 41.930 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 78042

Ion Ratio Lower Upper

50 100

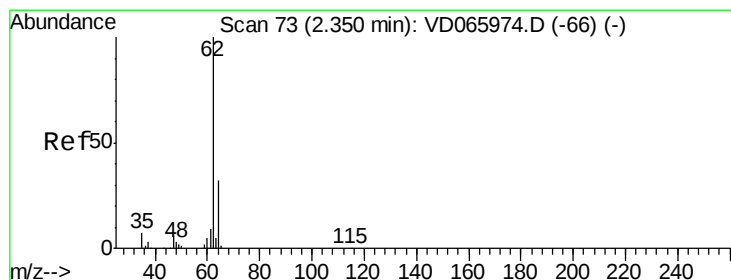
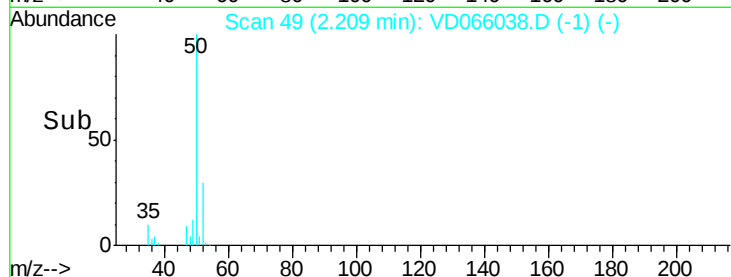
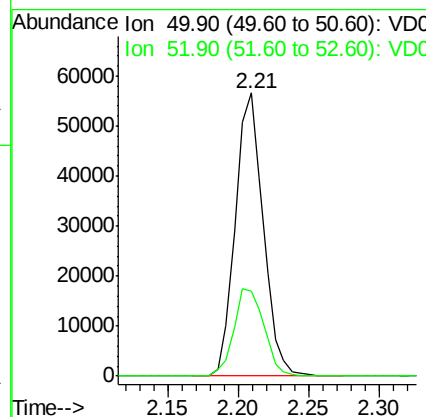
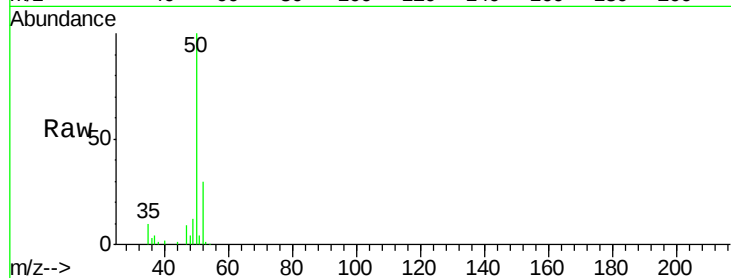
52 30.1 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.113 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066038.D

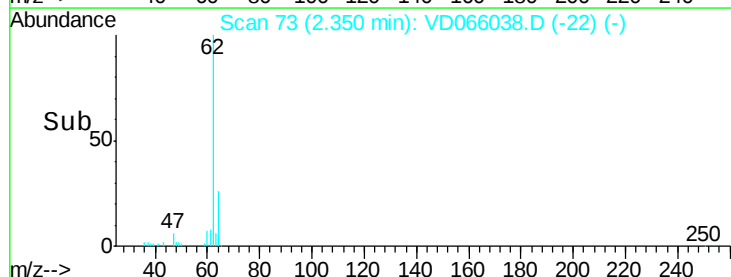
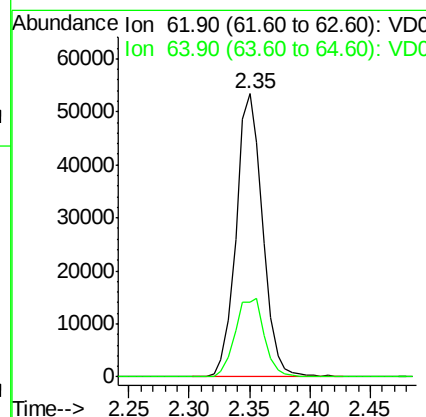
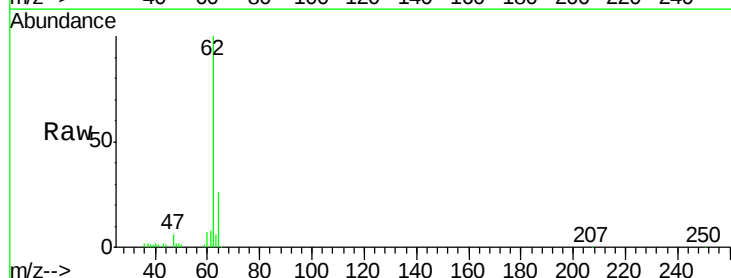
Acq: 24 Jul 2020 10:51

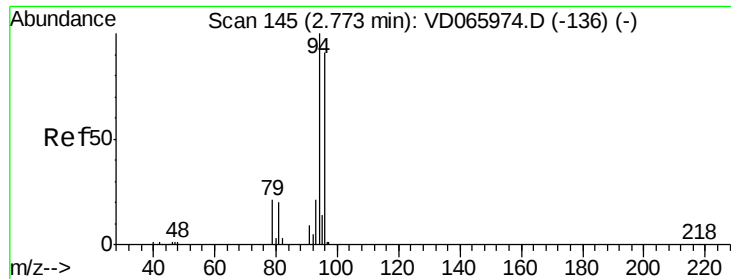
Tgt Ion: 62 Resp: 81732

Ion Ratio Lower Upper

62 100

64 26.3 25.8 38.8





#5

Bromomethane

Concen: 46.195 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58059

Ion Ratio Lower Upper

94 100

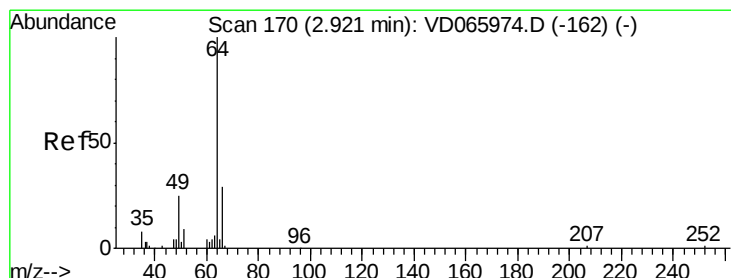
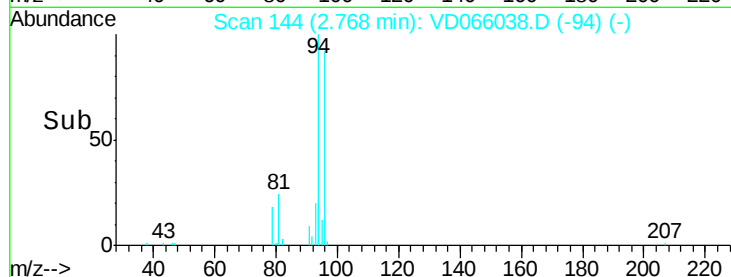
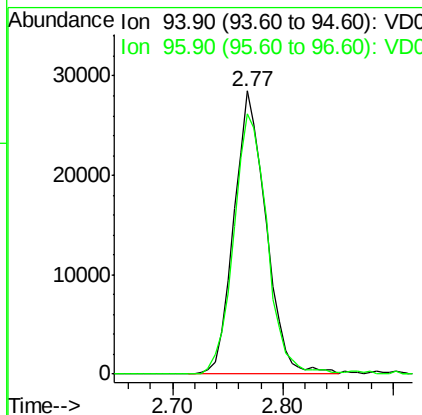
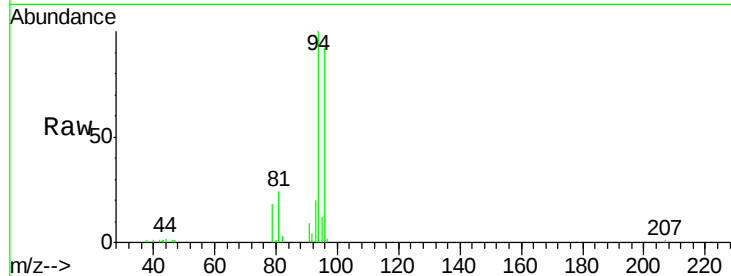
96 92.1 73.0 109.4

Manual Integrations

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#6

Chloroethane

Concen: 48.102 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066038.D

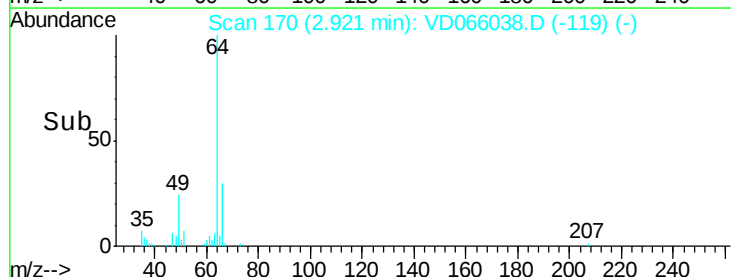
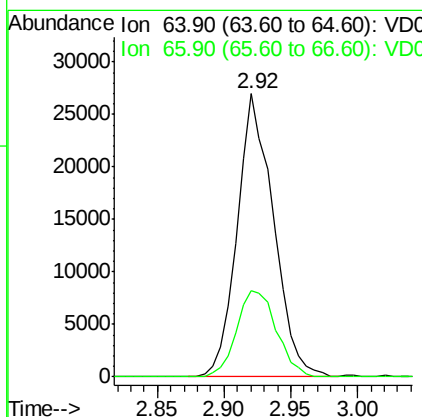
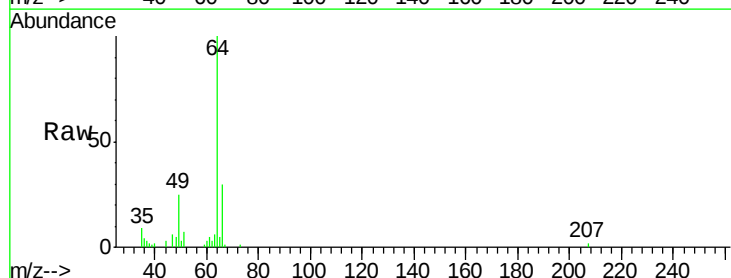
Acq: 24 Jul 2020 10:51

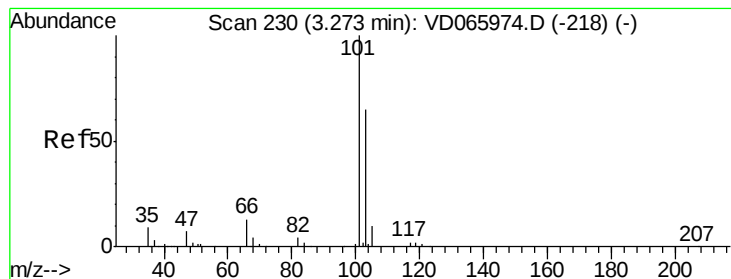
Tgt Ion: 64 Resp: 50895

Ion Ratio Lower Upper

64 100

66 30.4 23.4 35.0





#7

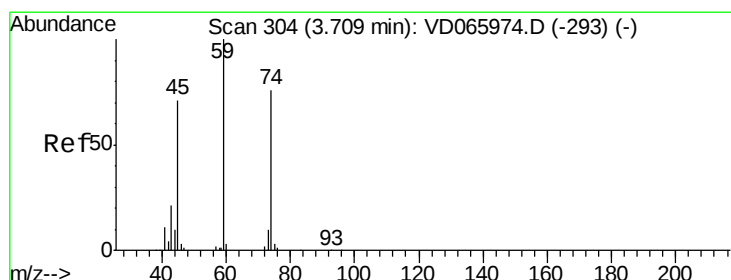
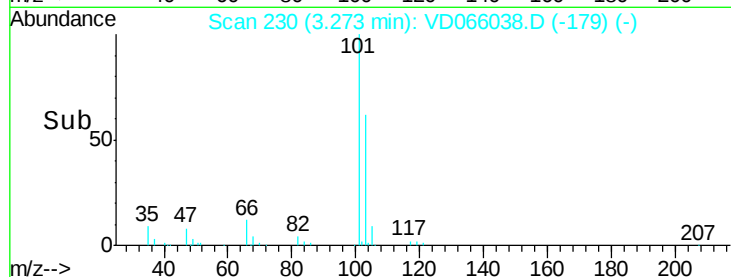
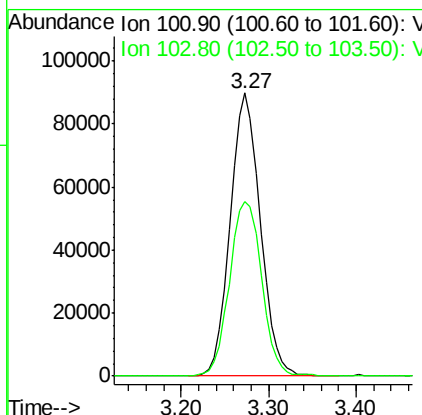
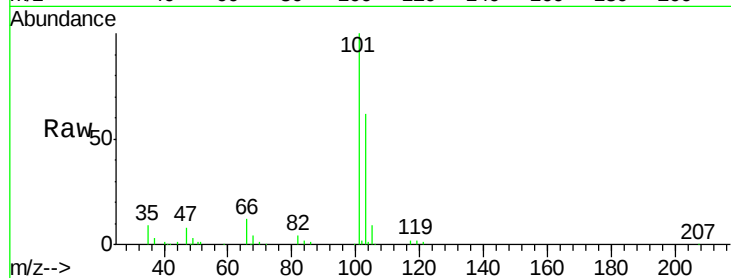
Trichlorofluoromethane
Concen: 48.739 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	52.1	78.1

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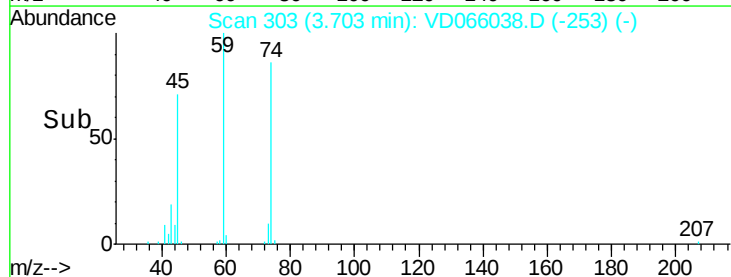
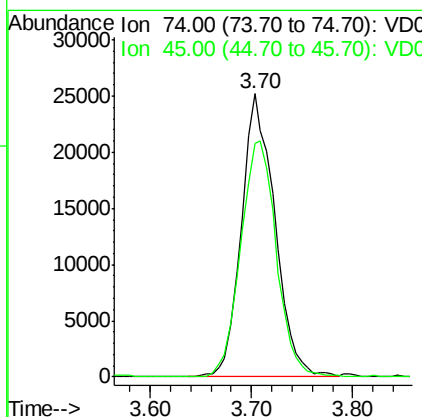
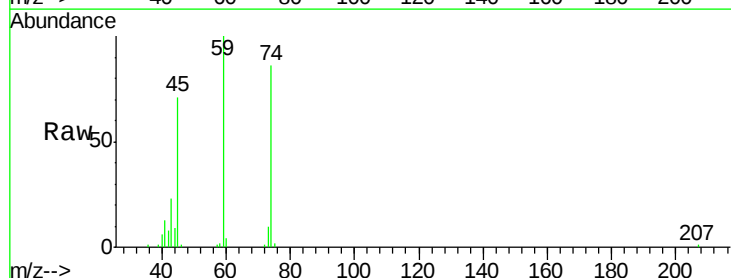
MMDadoda
7/27/2020 12:03:45 PM

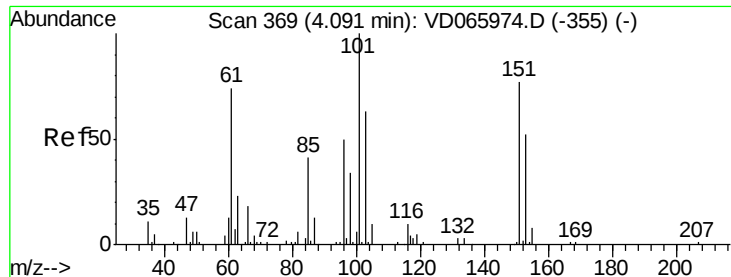


#8

Diethyl Ether
Concen: 48.354 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.483 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

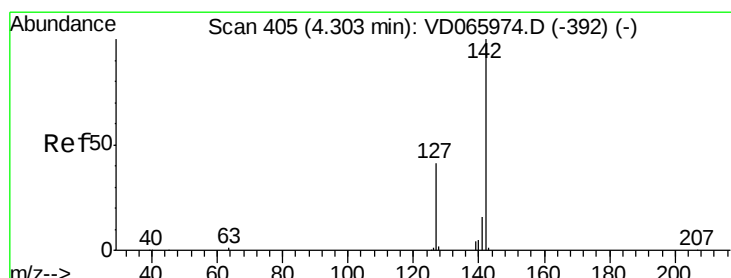
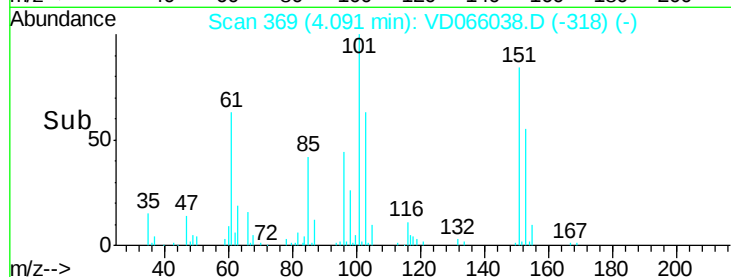
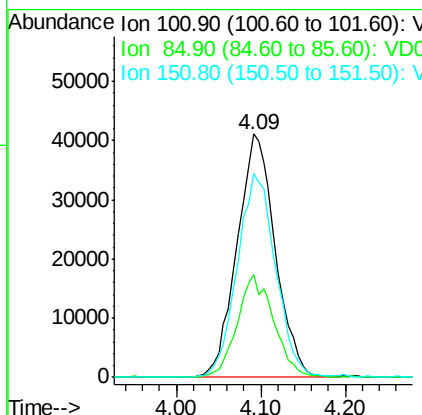
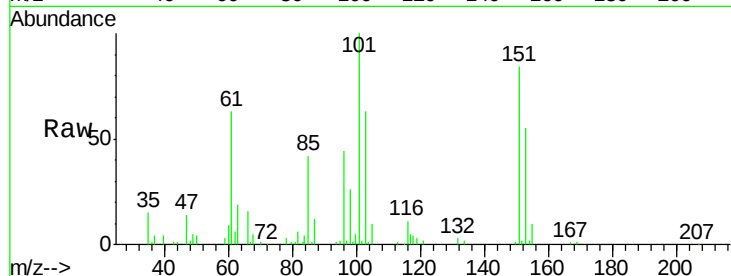
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128811
Ion Ratio	Lower	Upper	
101	100		
85	40.2	33.6	50.4
151	84.6	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 51.872 ug/l

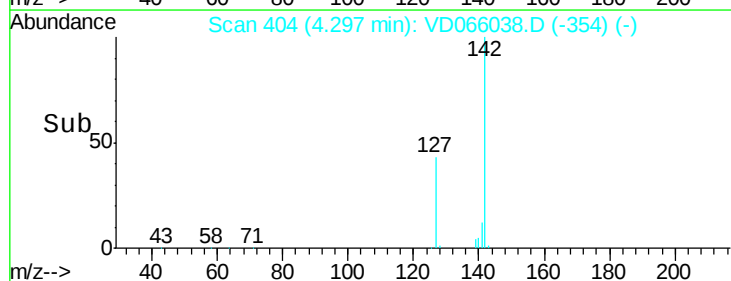
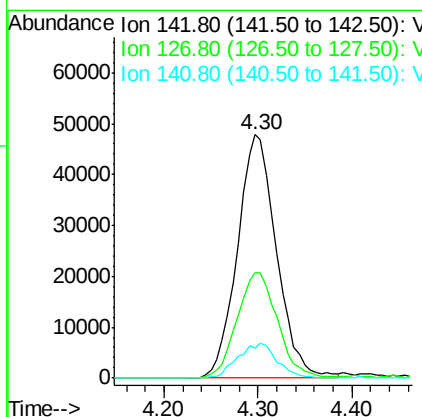
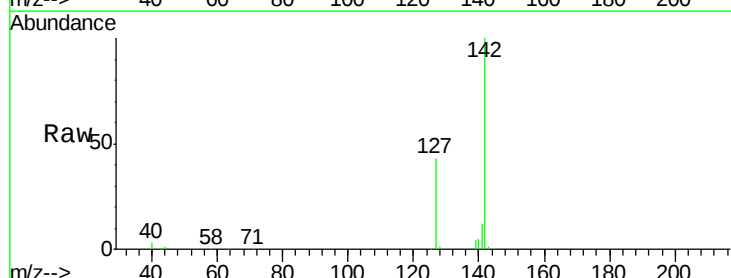
RT: 4.30 min Scan# 404

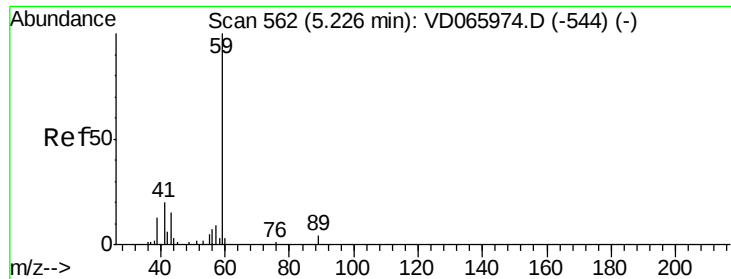
Delta R.T. -0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Tgt Ion:	142	Resp:	137455
Ion Ratio	Lower	Upper	
142	100		
127	45.1	32.9	49.3
141	14.4	11.8	17.6





#11

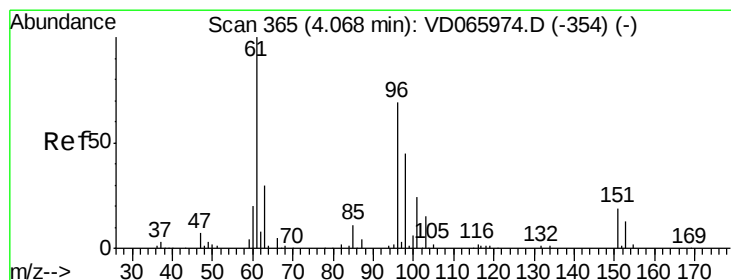
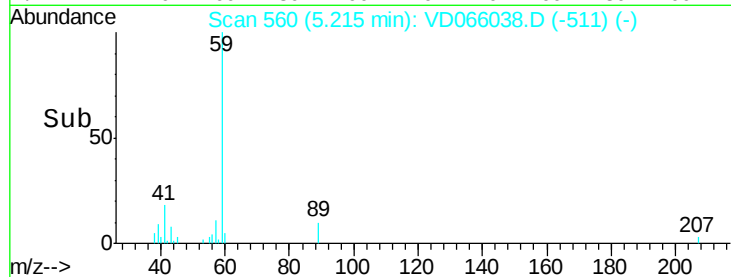
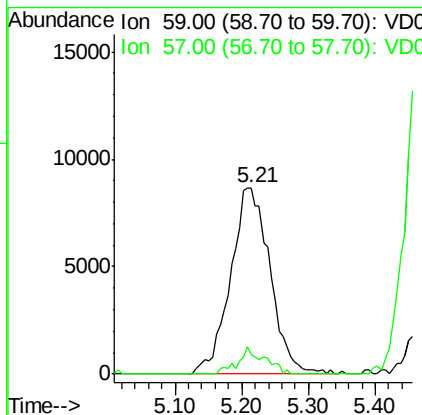
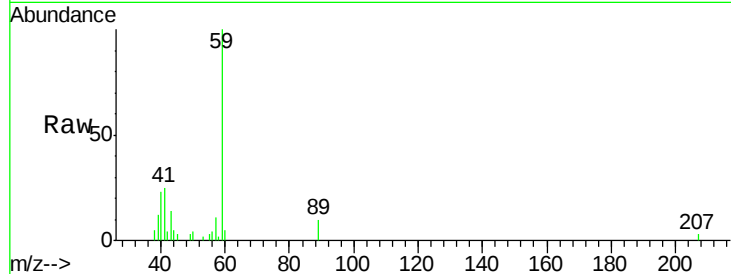
Tert butyl alcohol
Concen: 229.527 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	4.5	6.7#

Manual Integrations
APPROVED

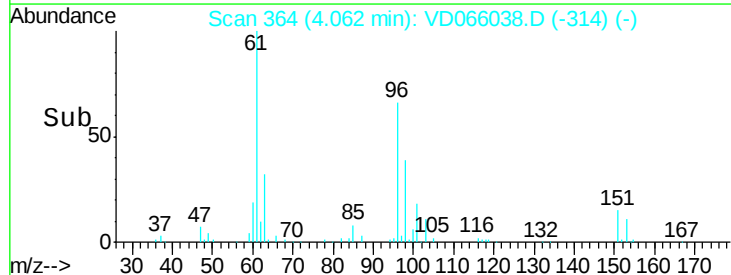
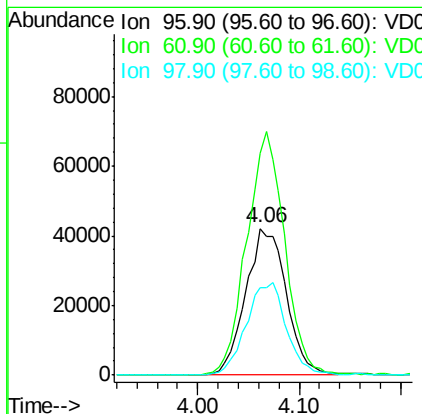
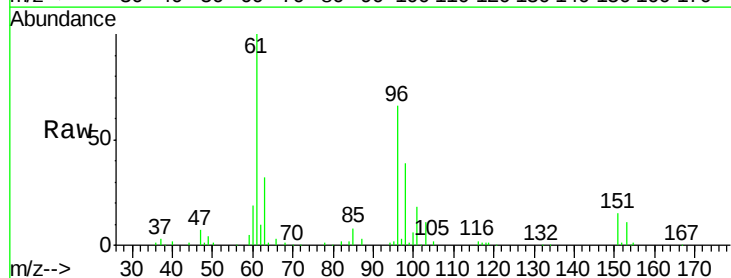
MMDadoda
7/27/2020 12:03:45 PM

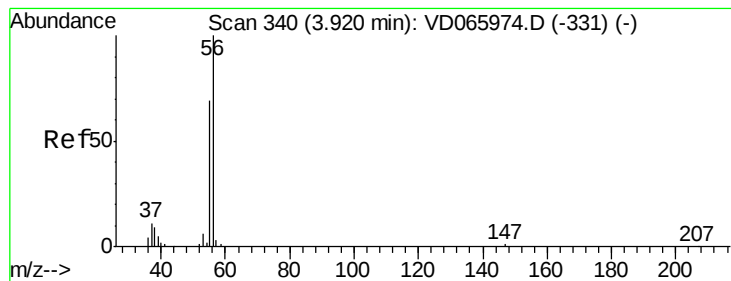


#12

1,1-Dichloroethene
Concen: 47.305 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	115.4	173.0
98	59.6	51.5	77.3





#13

Acrolein

Concen: 219.633 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 45251

Ion Ratio Lower Upper

56 100

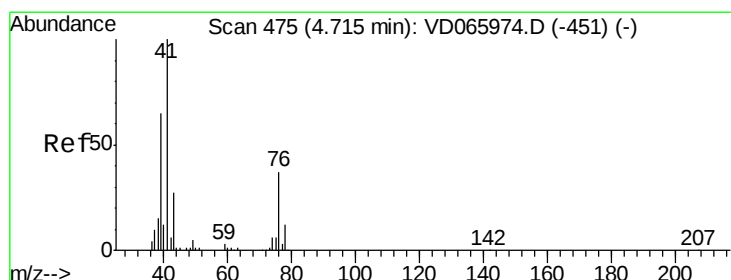
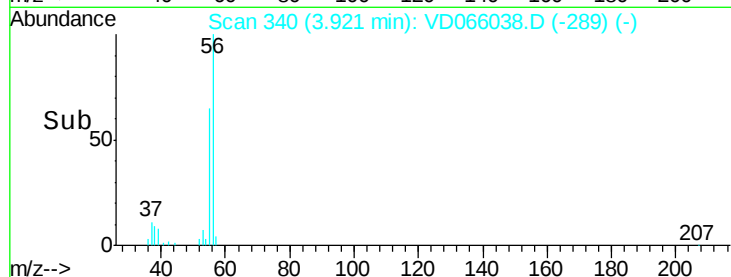
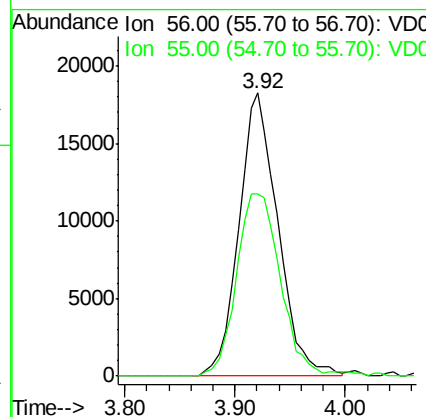
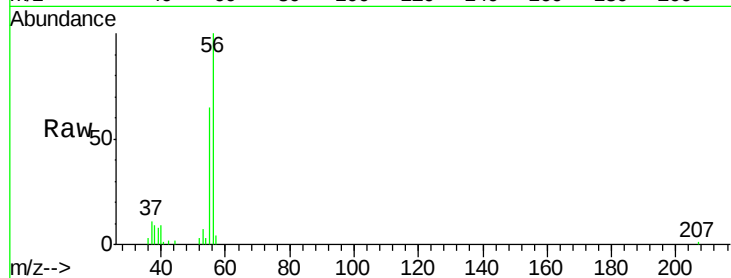
55 71.9 55.8 83.8

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 45.810 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

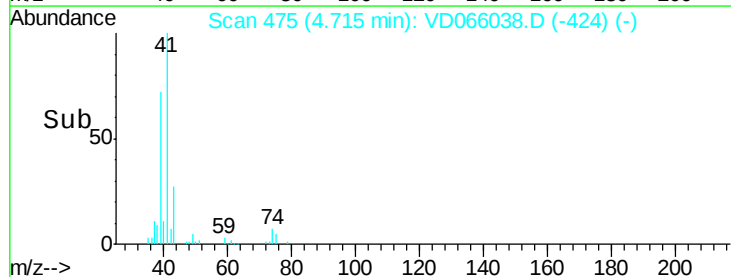
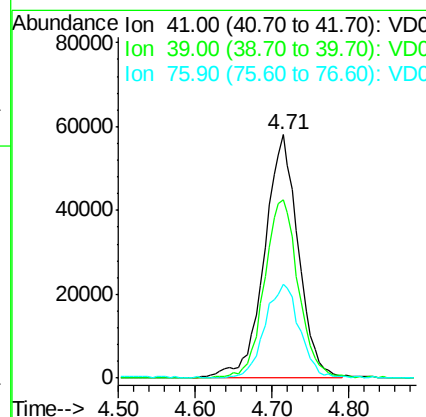
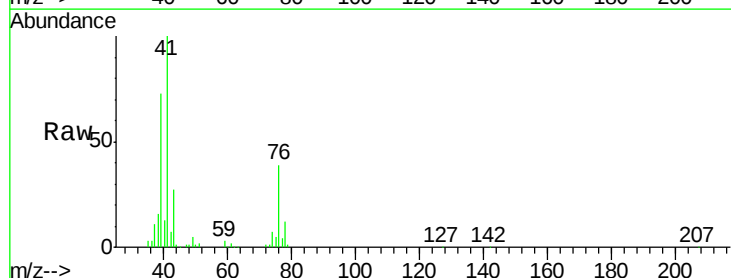
Tgt Ion: 41 Resp: 177936

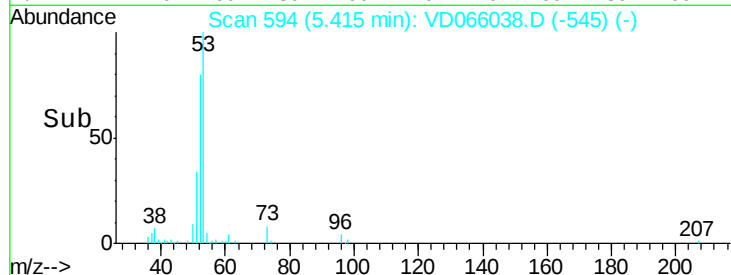
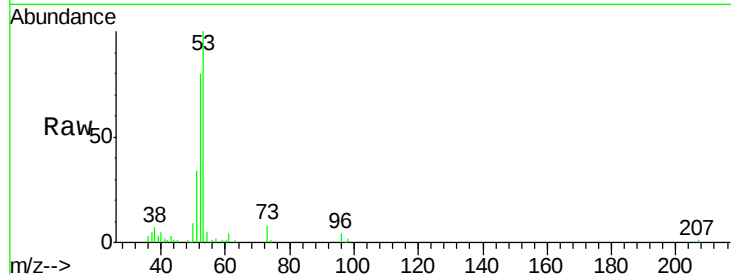
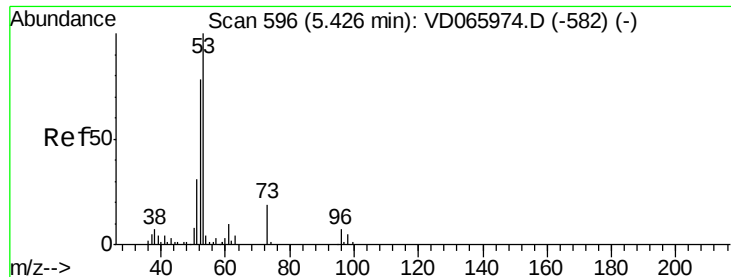
Ion Ratio Lower Upper

41 100

39 73.6 53.4 80.2

76 39.6 29.1 43.7





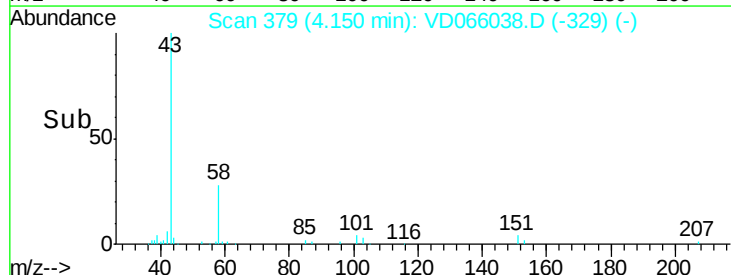
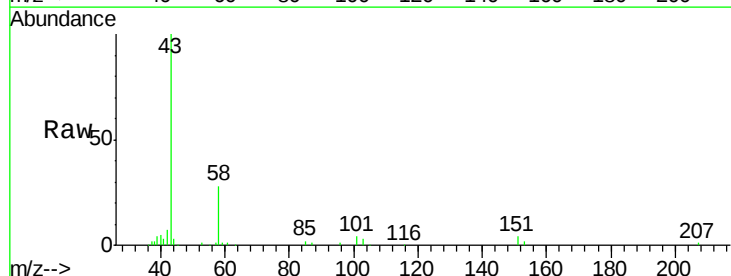
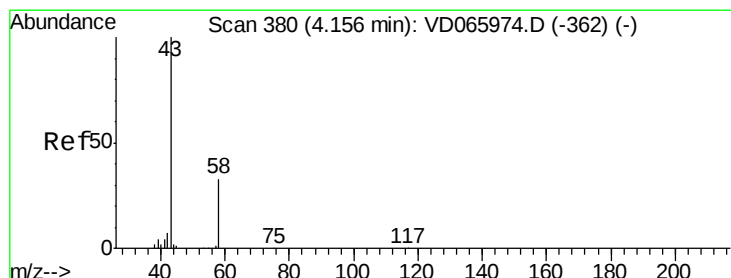
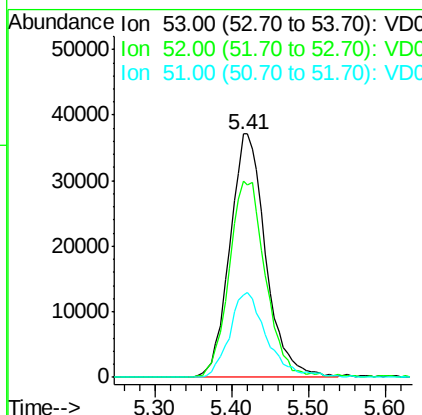
#15
Acrylonitrile
Concen: 237.090 ug/l
RT: 5.41 min Scan# 594
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.1	100.7
51	36.3	28.7	43.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

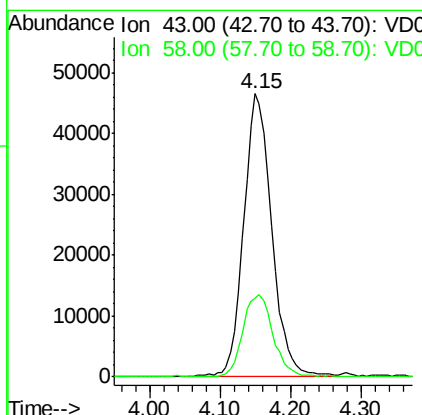
Manual Integrations
APPROVED

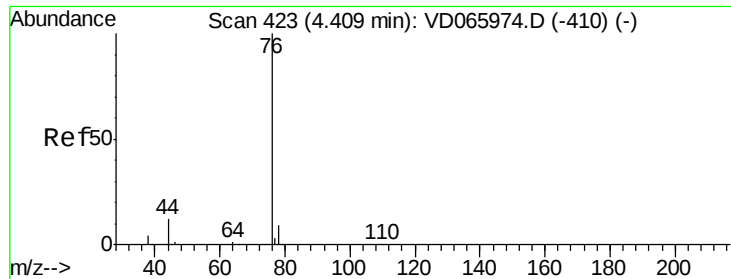
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#16
Acetone
Concen: 261.740 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.6	26.3	39.5





#17

Carbon Disulfide

Concen: 44.170 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 356017

Ion Ratio Lower Upper

76 100

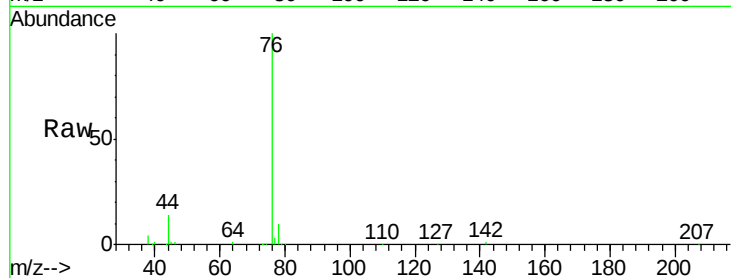
78 9.6 7.4 11.2

Manual Integrations

APPROVED

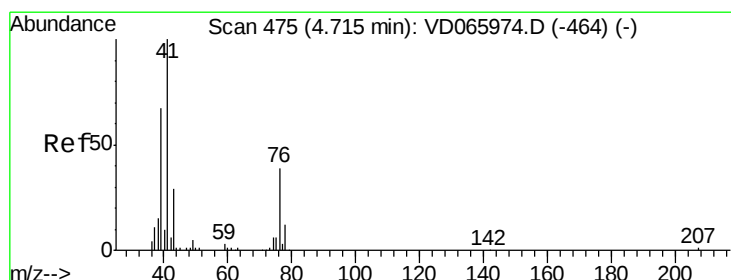
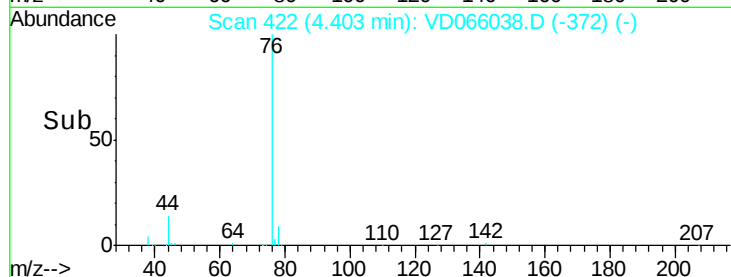
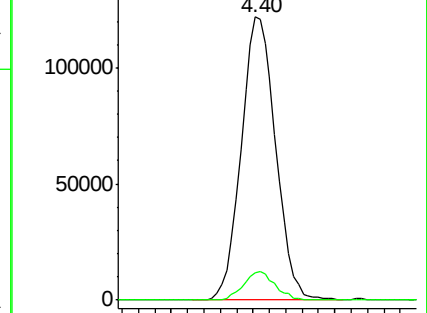
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 44.403 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066038.D

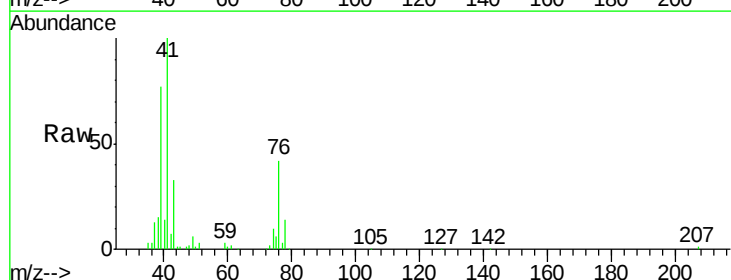
Acq: 24 Jul 2020 10:51

Tgt Ion: 43 Resp: 51129

Ion Ratio Lower Upper

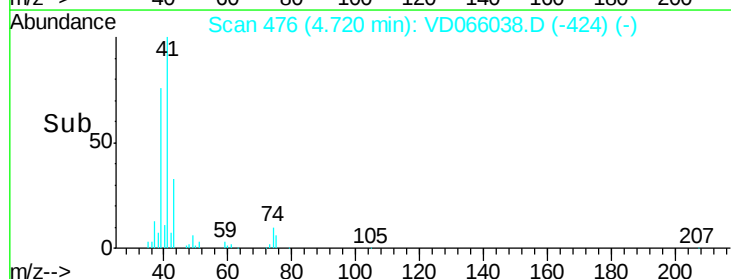
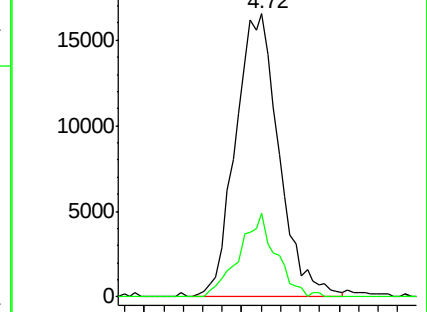
43 100

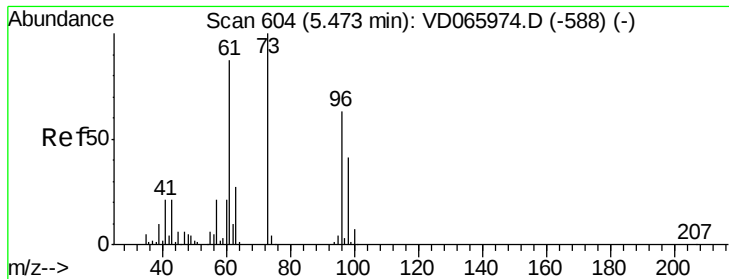
74 25.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





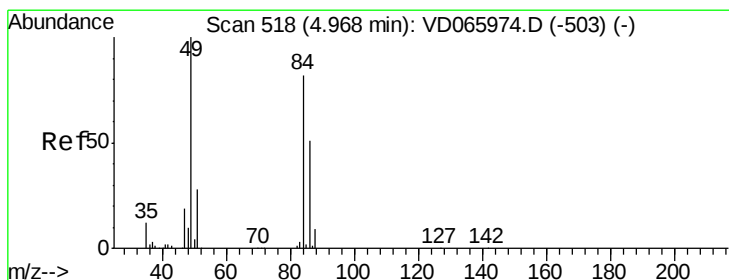
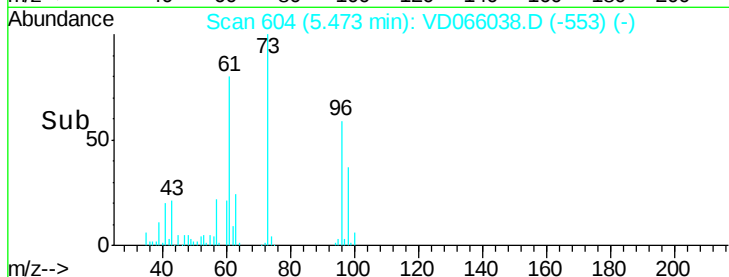
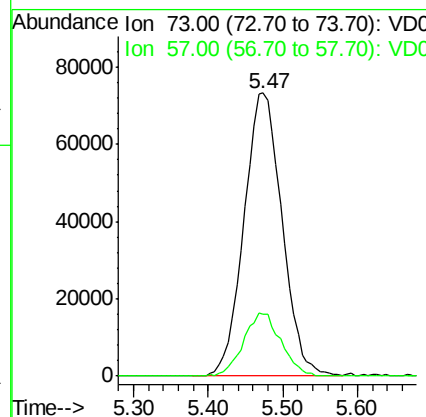
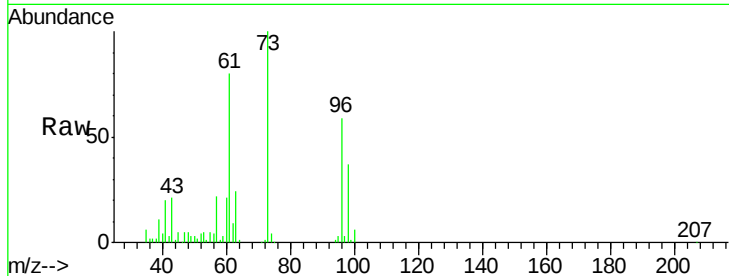
#19
Methyl tert-butyl Ether
Concen: 50.966 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 260201
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.4

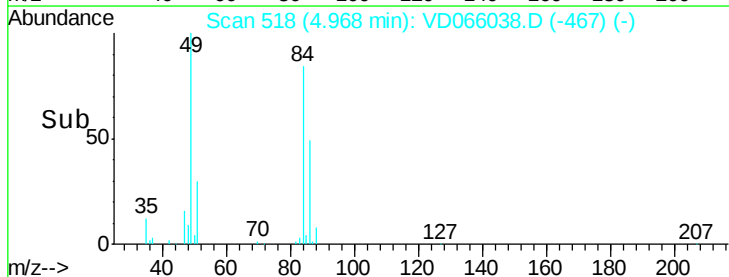
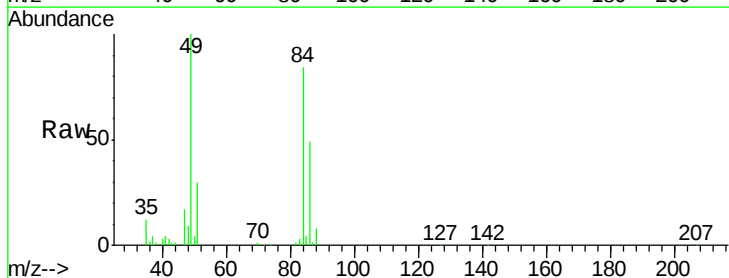
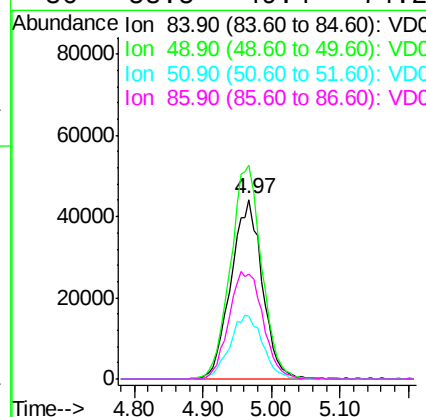
Manual Integrations
APPROVED

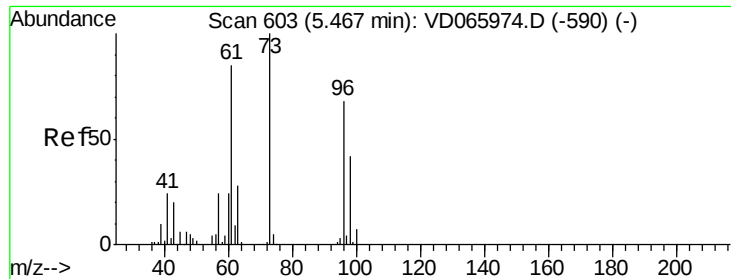
MMDadoda
7/27/2020 12:03:45 PM



#20
Methylene Chloride
Concen: 51.052 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion: 84 Resp: 139556
Ion Ratio Lower Upper
84 100
49 119.1 97.7 146.5
51 35.3 27.4 41.2
86 58.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 48.693 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

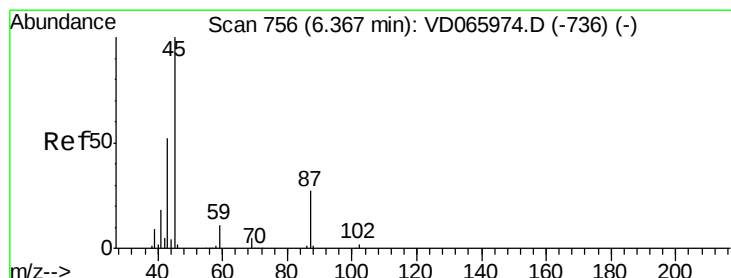
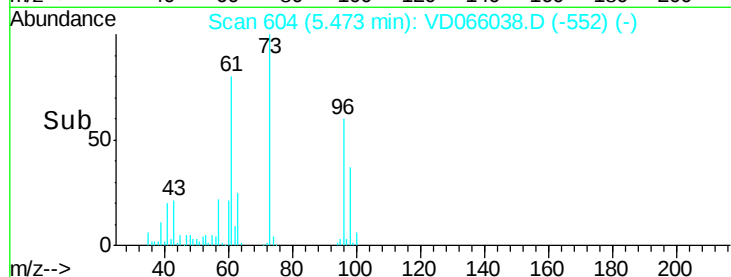
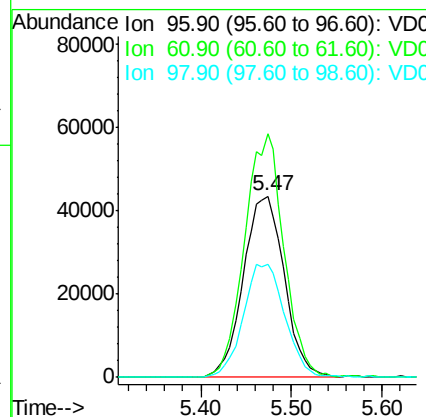
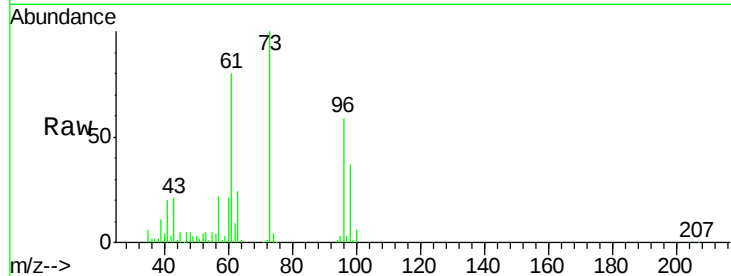
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	136748
Ion	Ratio	Lower	Upper
96	100		
61	134.6	100.5	150.7
98	62.7	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.010 ug/l

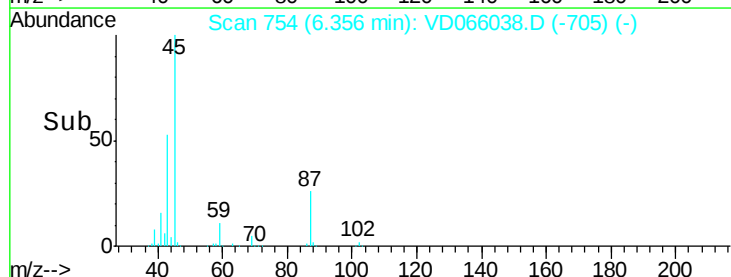
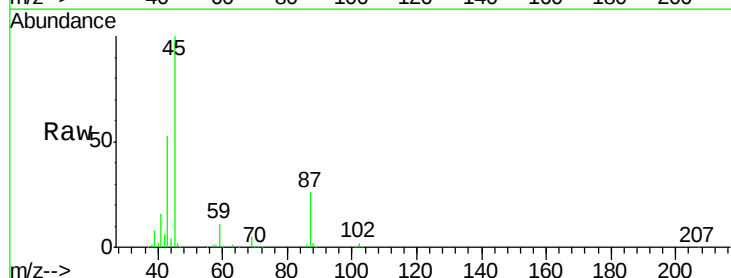
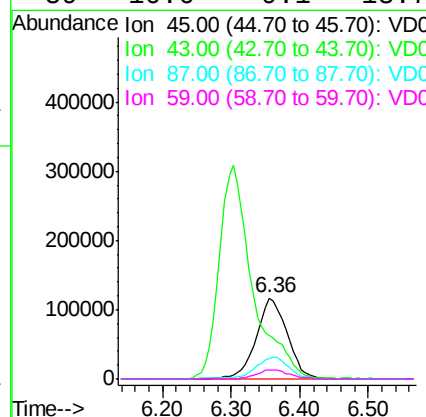
RT: 6.36 min Scan# 754

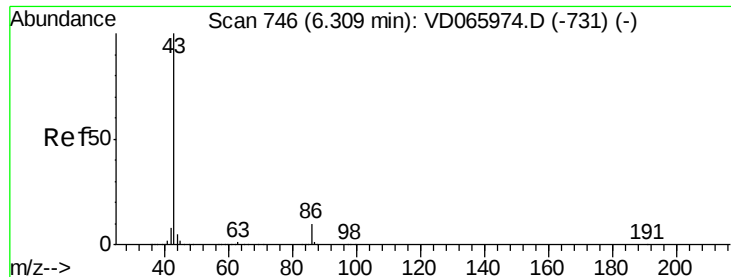
Delta R.T. -0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Tgt Ion:	45	Resp:	369044
Ion	Ratio	Lower	Upper
45	100		
43	52.4	43.0	64.4
87	25.4	22.0	33.0
59	10.6	9.1	13.7





#23

Vinyl Acetate

Concen: 250.968 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1044458

Ion Ratio Lower Upper

43 100

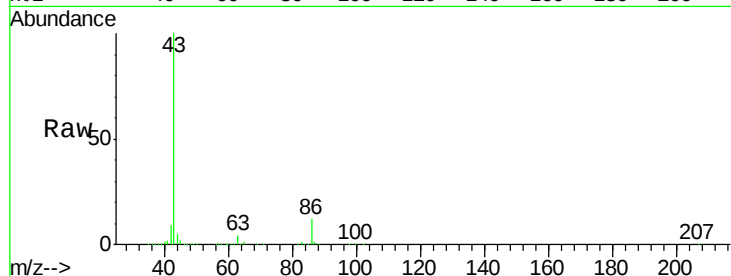
86 11.6 7.9 11.9

Manual Integrations

APPROVED

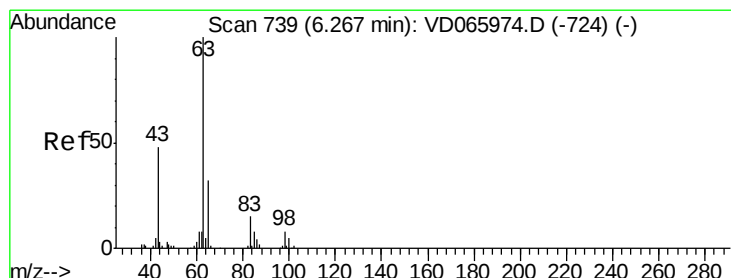
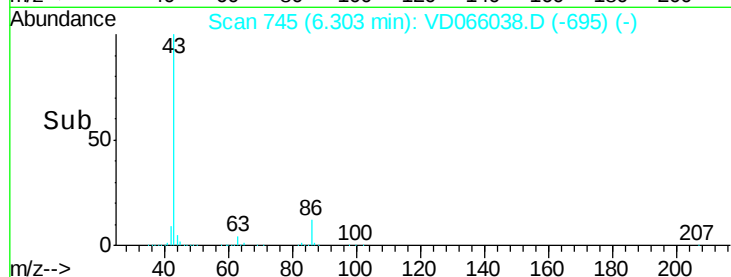
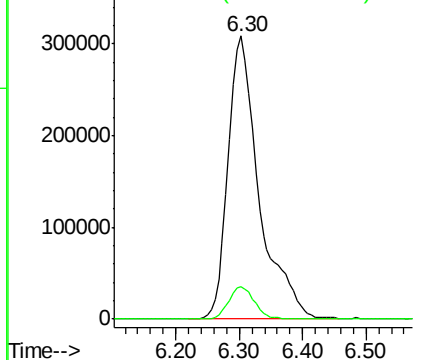
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.062 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

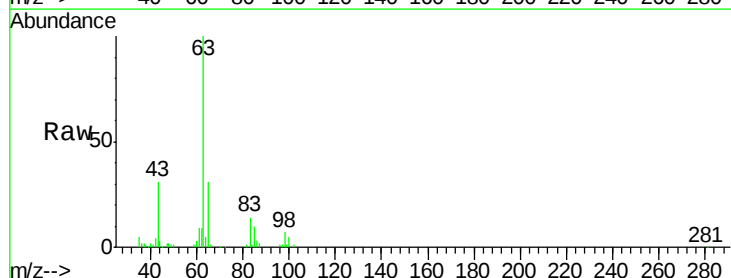
Tgt Ion: 63 Resp: 223836

Ion Ratio Lower Upper

63 100

98 6.7 4.3 12.8

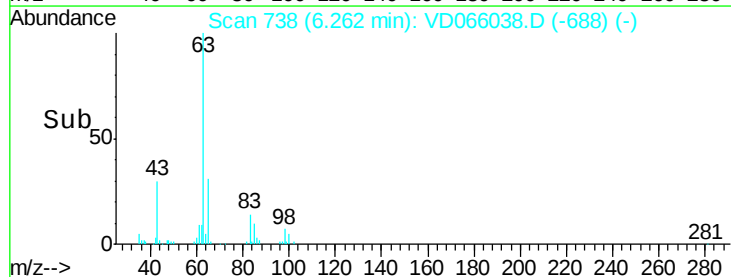
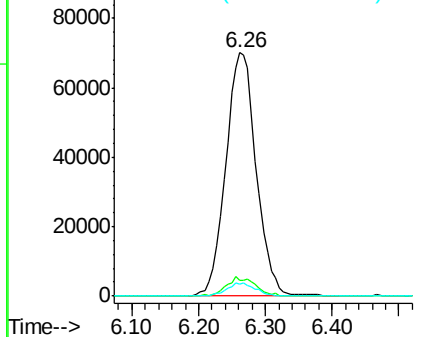
100 4.7 2.5 7.5

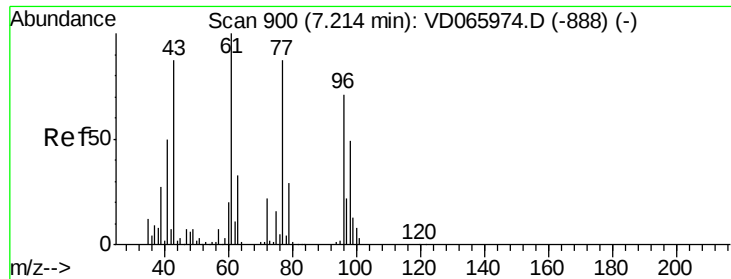


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 241.942 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 158908

Ion Ratio Lower Upper

43 100

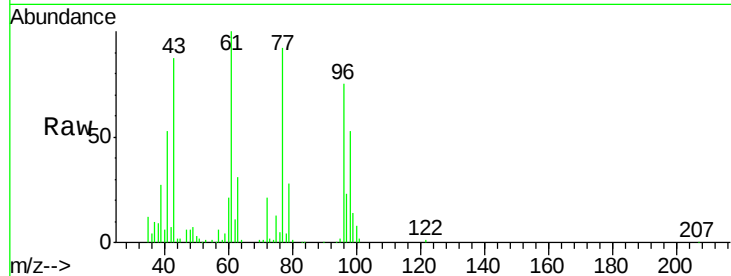
72 23.9 20.2 30.2

Manual Integrations

APPROVED

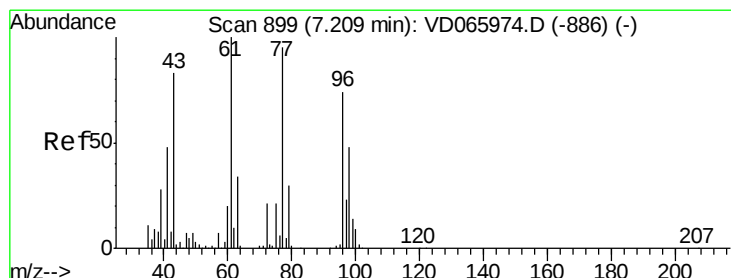
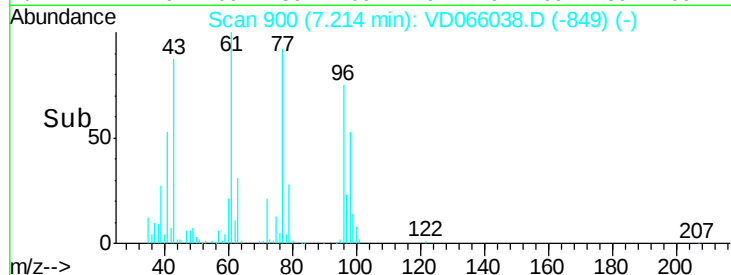
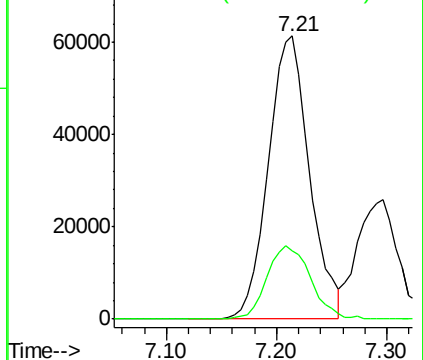
MMDadoda

7/27/2020 12:03:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.645 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066038.D

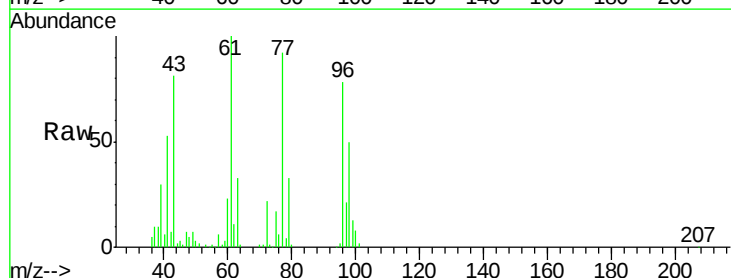
Acq: 24 Jul 2020 10:51

Tgt Ion: 77 Resp: 203632

Ion Ratio Lower Upper

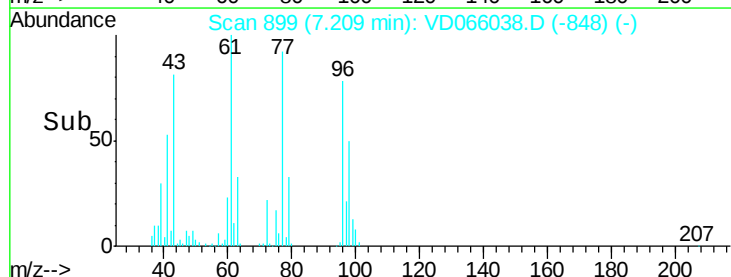
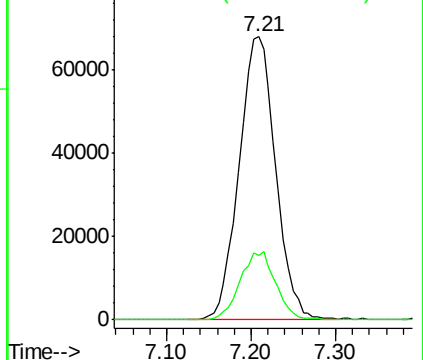
77 100

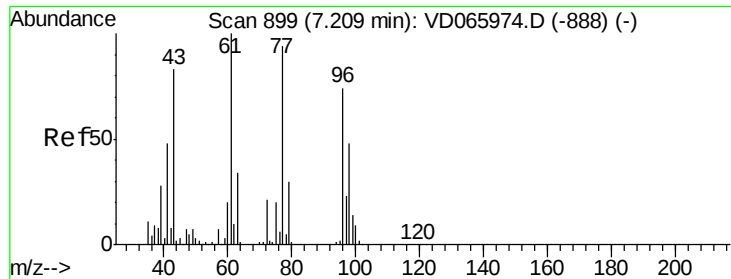
97 23.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

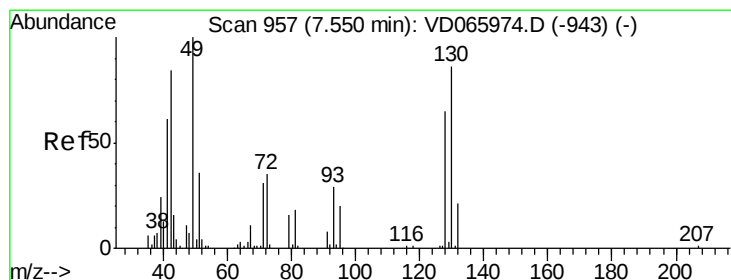
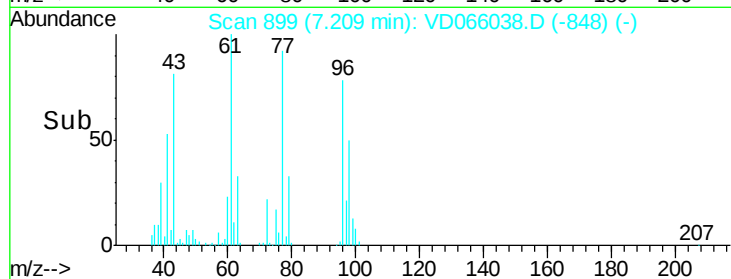
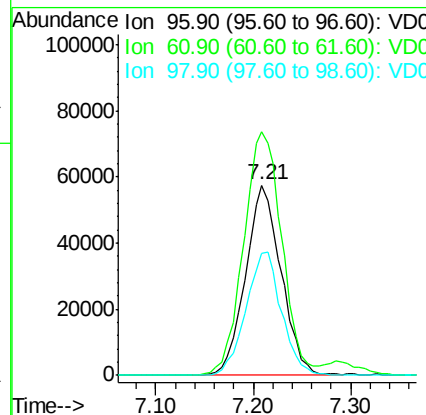
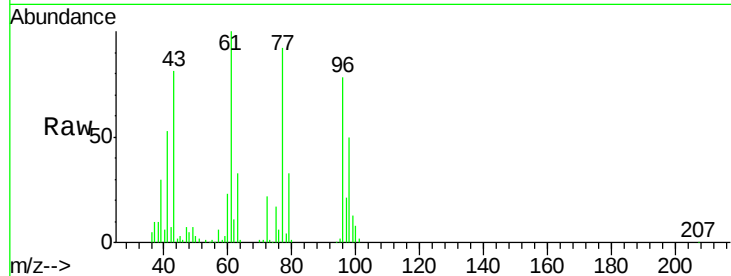
cis-1,2-Dichloroethene
Concen: 49.364 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	276.6
98	64.8	0.0	130.8

Manual Integrations
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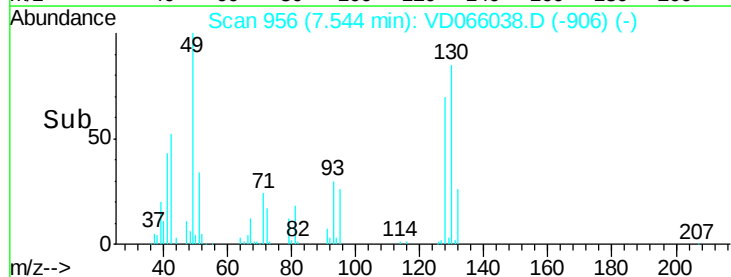
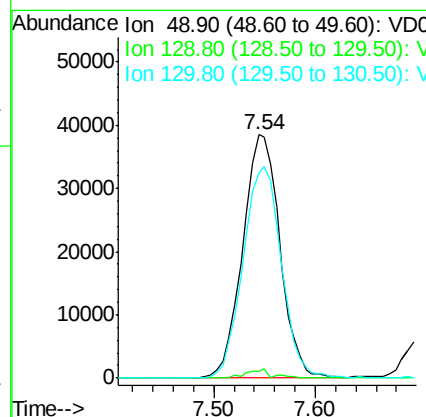
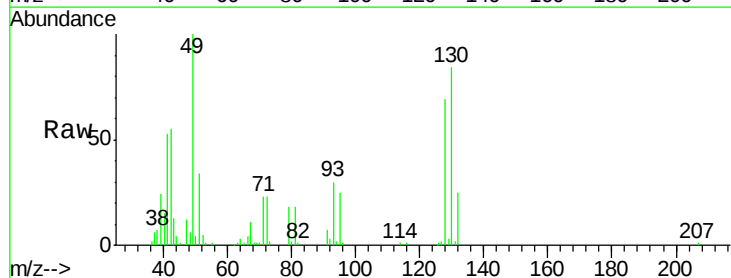
MMDadoda
7/27/2020 12:03:45 PM

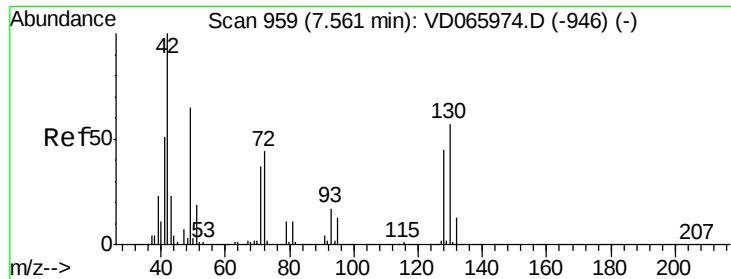


#28

Bromochloromethane
Concen: 51.878 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	89.5	68.4	102.6





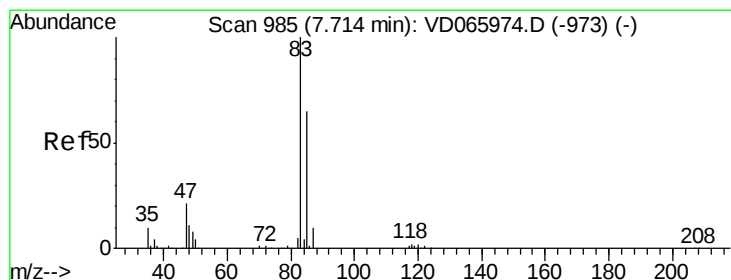
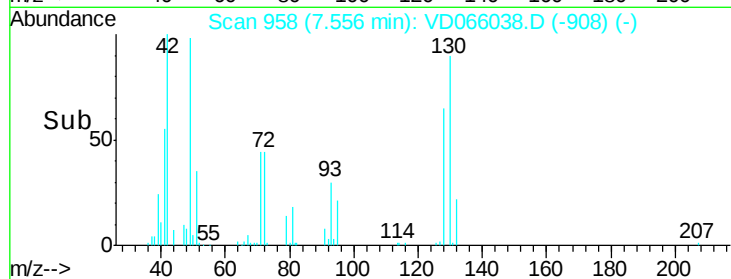
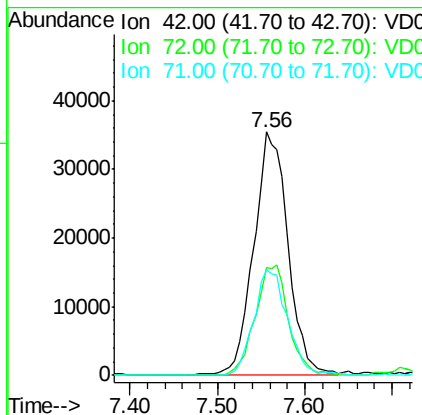
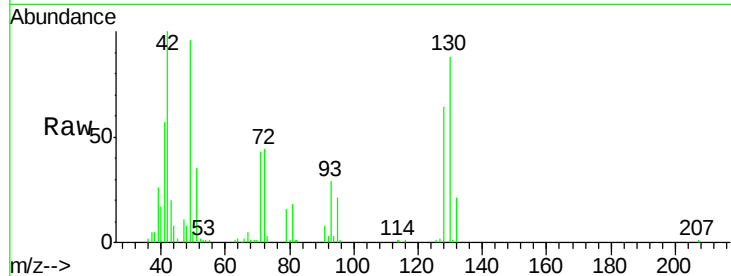
#29
Tetrahydrofuran
Concen: 234.796 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	95151
Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.2	51.2
71	42.3	31.4	47.2

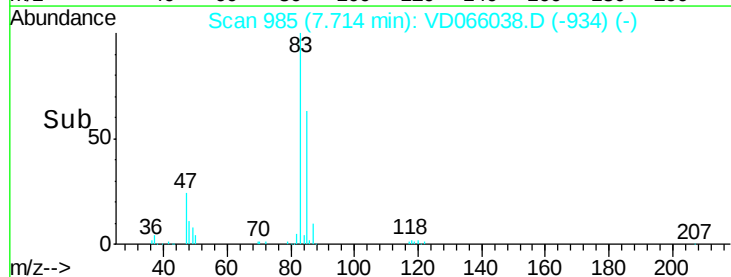
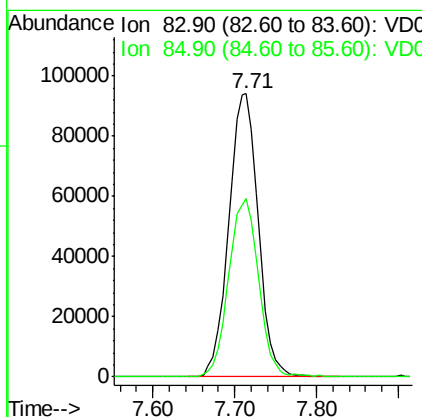
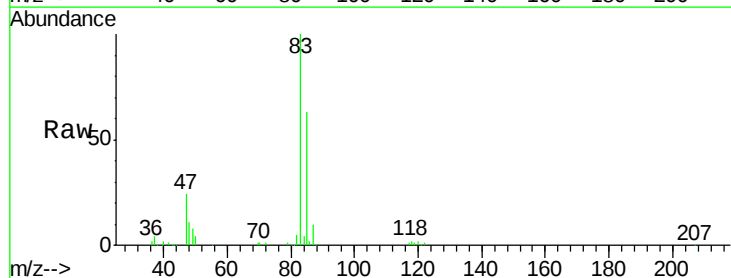
Manual Integrations
APPROVED

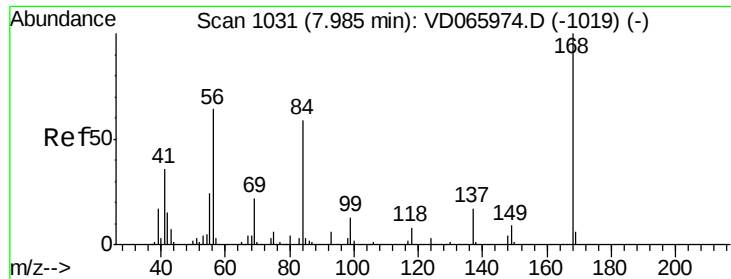
MMDadoda
7/27/2020 12:03:45 PM



#30
Chloroform
Concen: 50.331 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion:	83	Resp:	235403
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.1	78.1





#31

Cyclohexane

Concen: 45.020 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

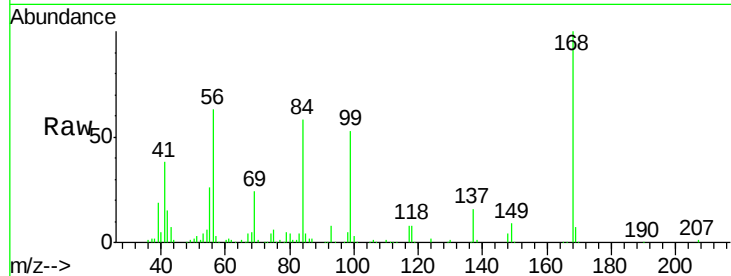
ClientSampleId :

VSTDCCC050

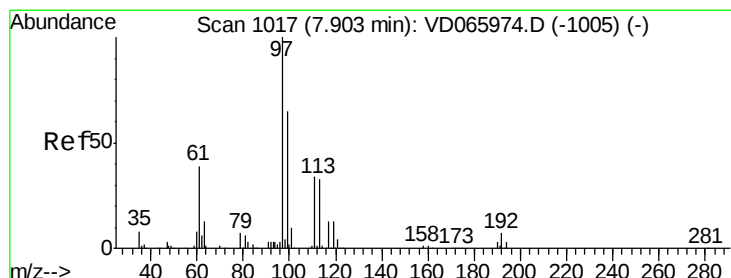
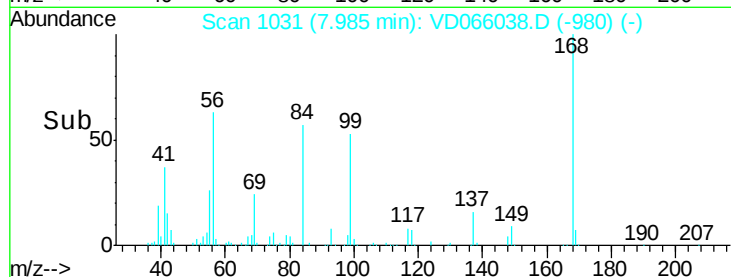
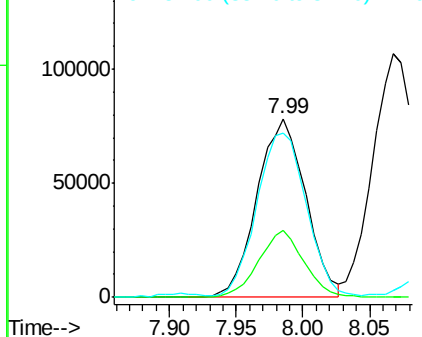
Tot Ion:	56	Resp:	198036
Ion	Ratio	Lower	Upper
56	100		
69	37.4	28.0	42.0
84	90.7	72.6	109.0

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



#32

1,1,1-Trichloroethane

Concen: 51.063 ug/l

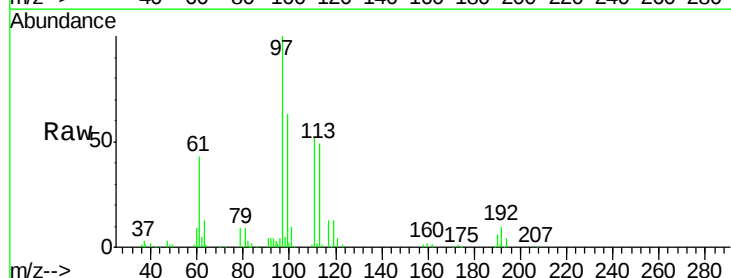
RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

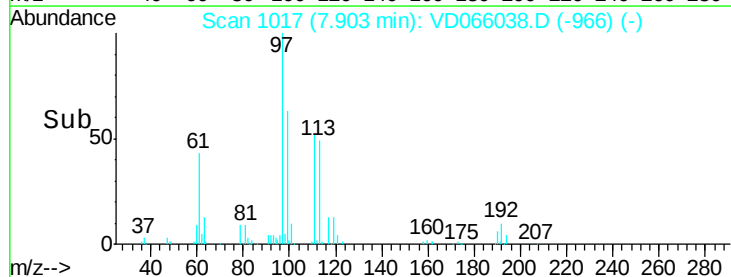
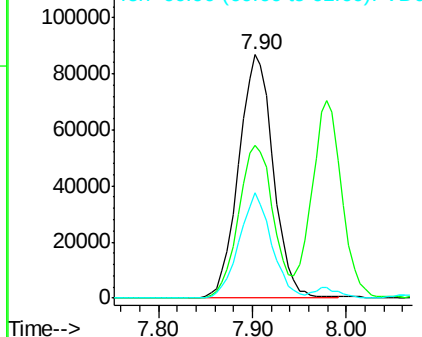
Lab File: VD066038.D

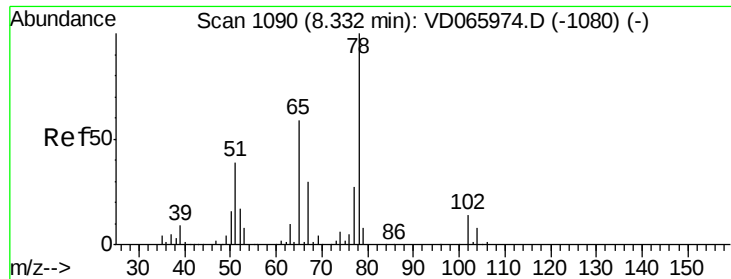
Acq: 24 Jul 2020 10:51

Tgt Ion:	97	Resp:	220911
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	40.7	33.3	49.9



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





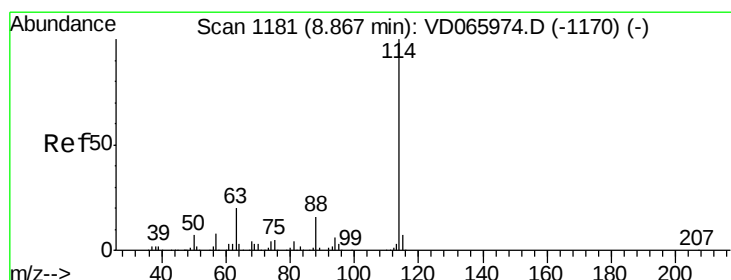
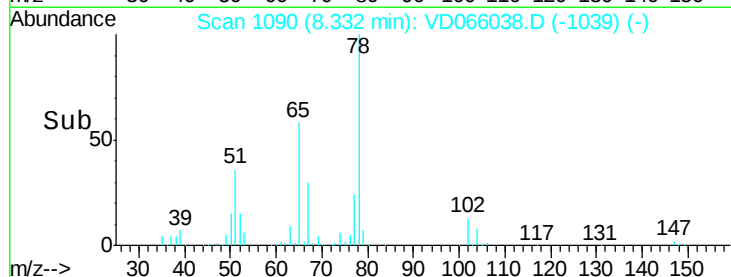
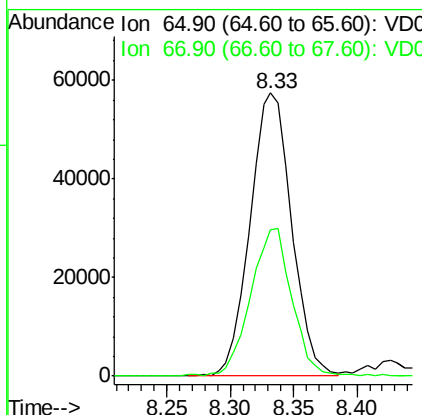
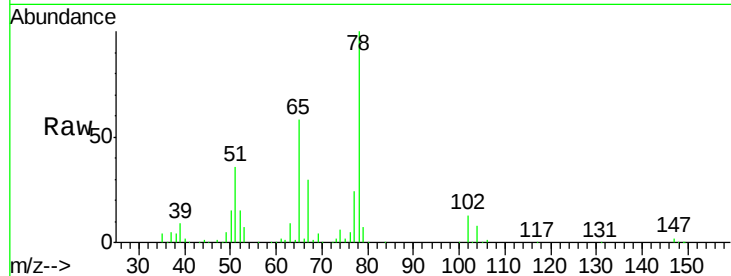
#33
 1,2-Dichloroethane-d4
 Concen: 53.613 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	131106		
67	51.7	0.0	105.0	

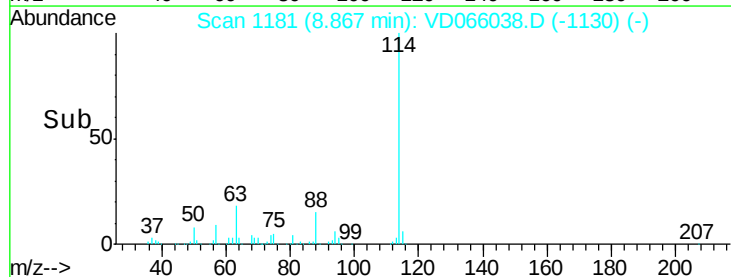
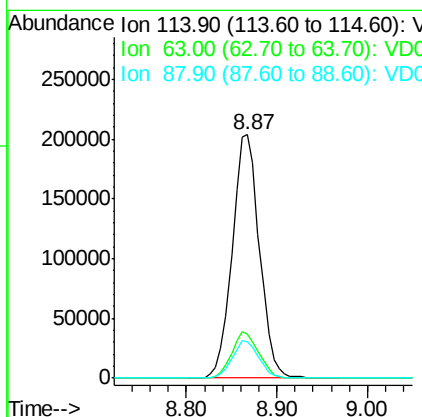
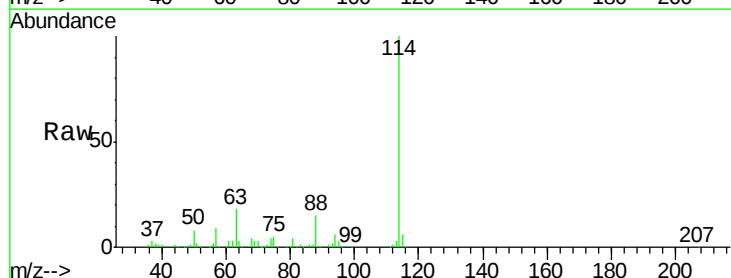
Manual Integrations
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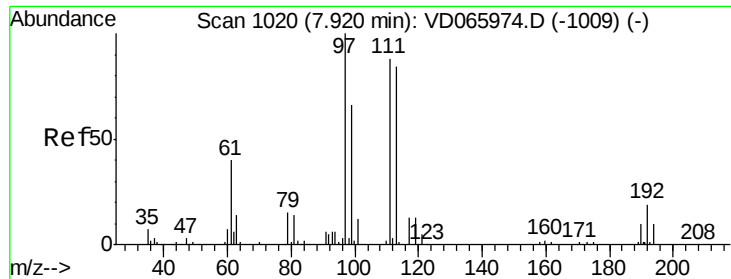
MMDadoda
 7/27/2020 12:03:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	425900		
63	18.1	0.0	39.6	
88	14.6	0.0	31.2	





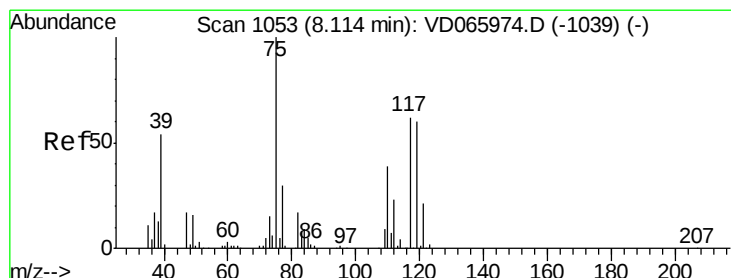
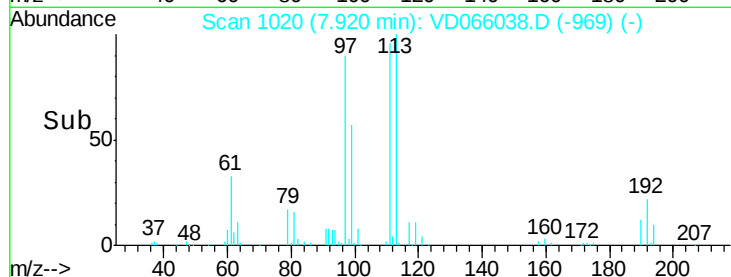
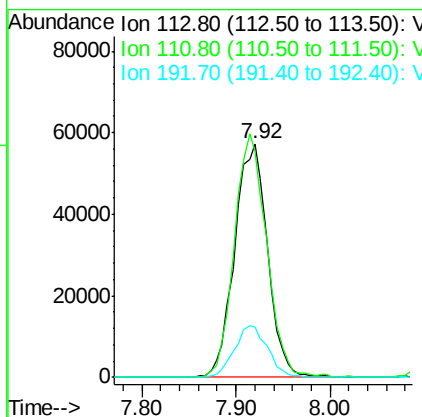
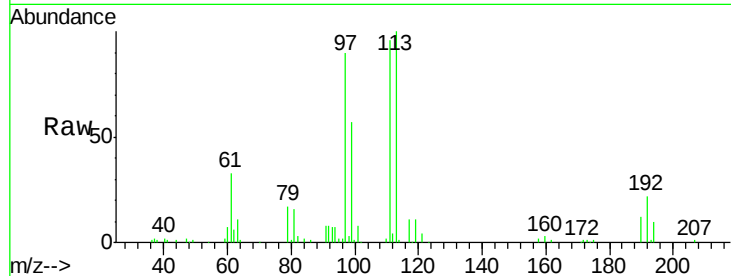
#35
Dibromofluoromethane
Concen: 54.010 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139520		
111	101.9	83.2	124.8	
192	22.2	18.7	28.1	

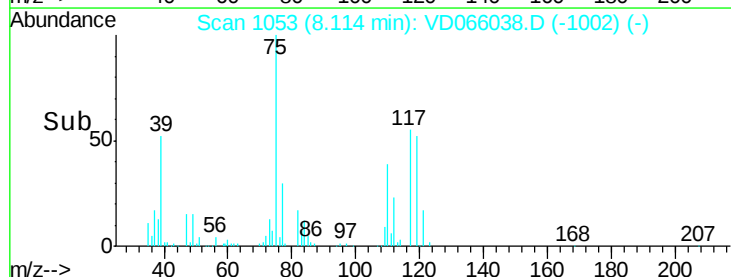
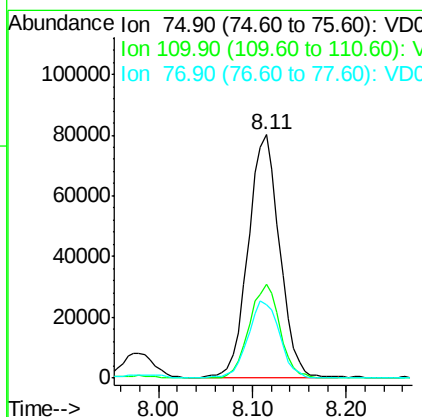
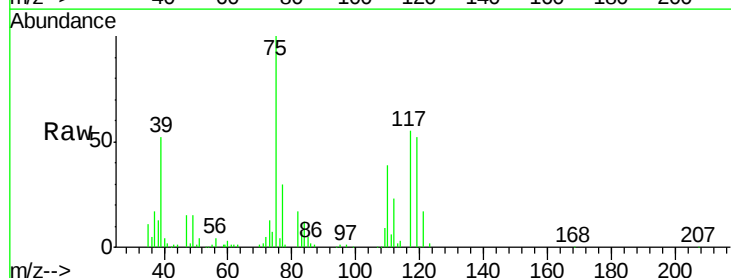
Manual Integrations
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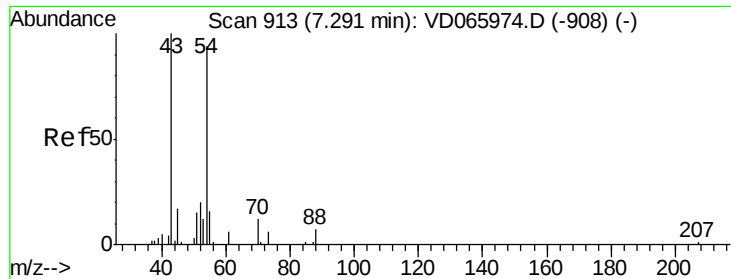
MMDadoda
7/27/2020 12:03:45 PM



#36
1,1-Dichloropropene
Concen: 51.213 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	186151		
110	37.2	19.5	58.5	
77	31.9	24.7	37.1	





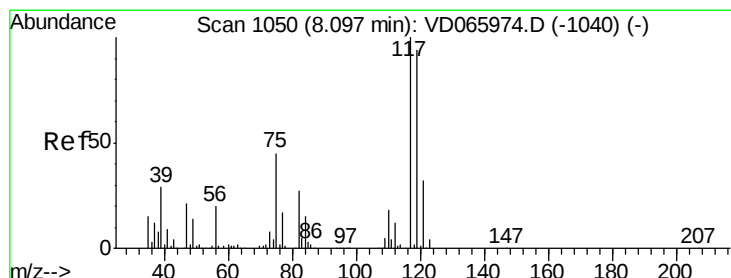
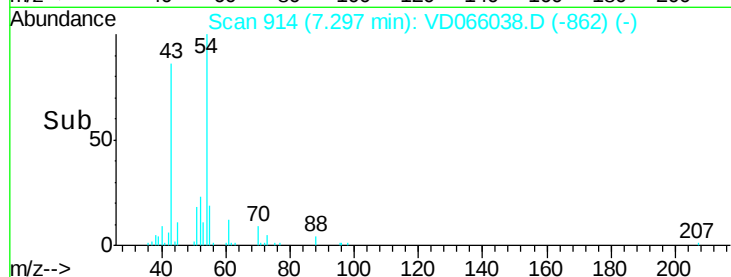
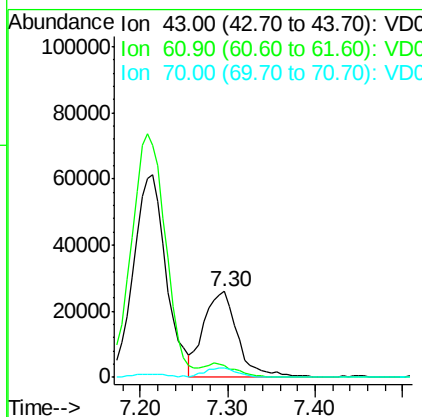
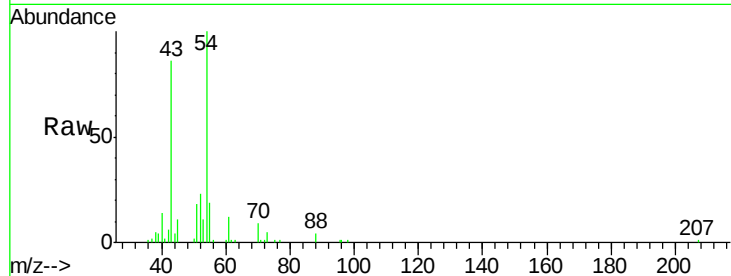
#37
Ethyl Acetate
Concen: 51.026 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.4	17.0
70	10.1	9.3	13.9

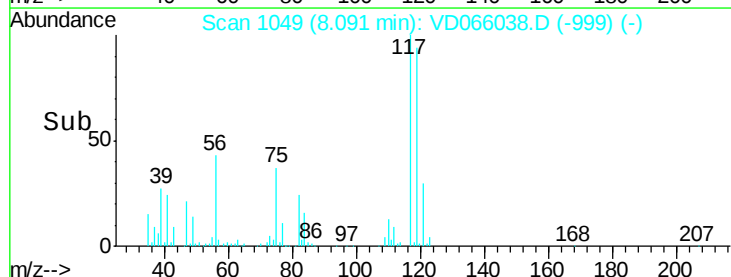
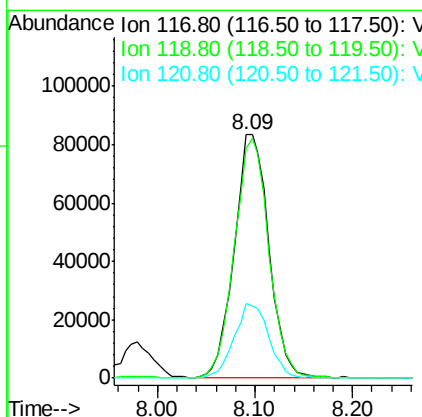
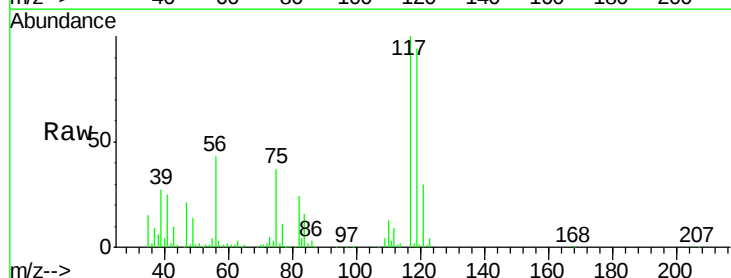
Manual Integrations
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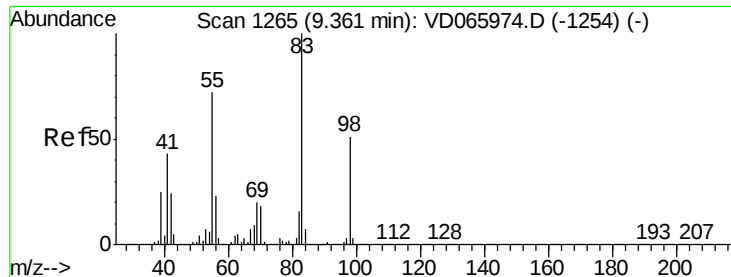
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.575 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.0	112.6
121	30.5	25.5	38.3





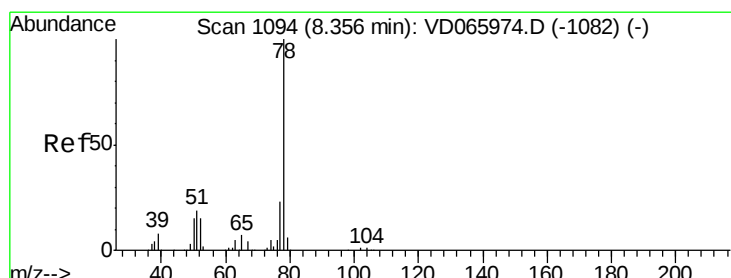
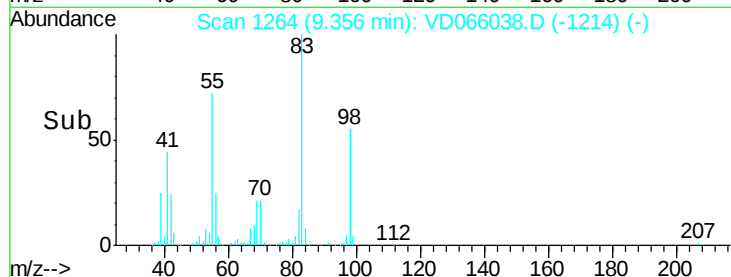
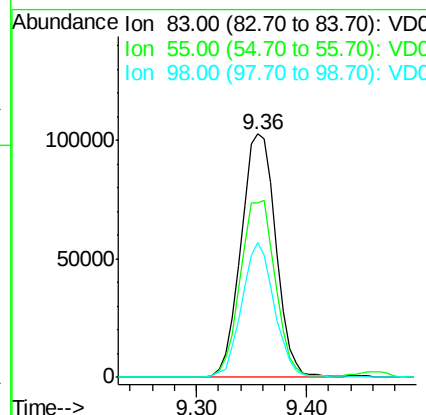
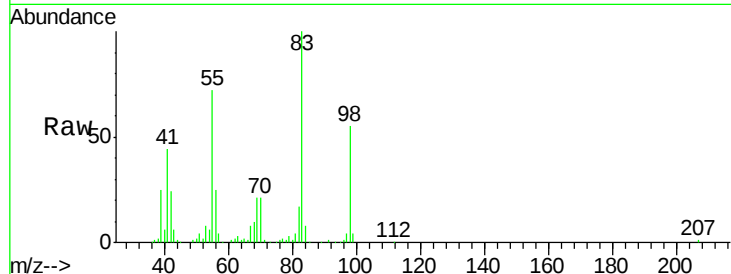
#39
Methylvlcyclohexane
Concen: 51.911 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	228503		
55	71.8		57.3	85.9
98	55.2		41.0	61.6

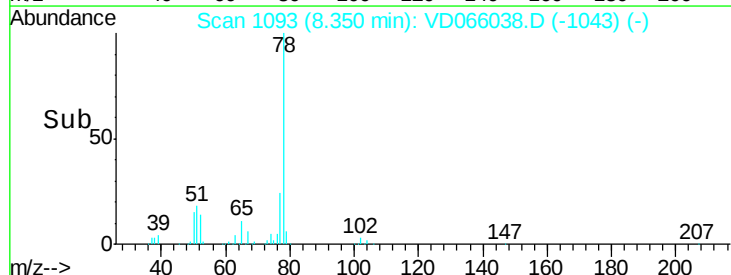
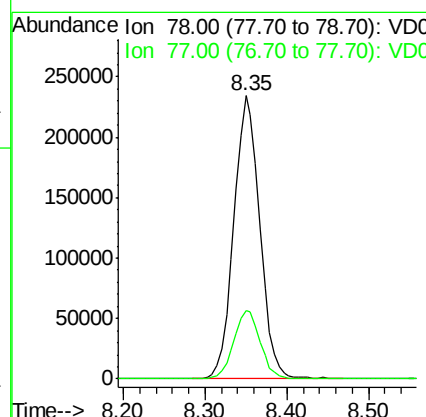
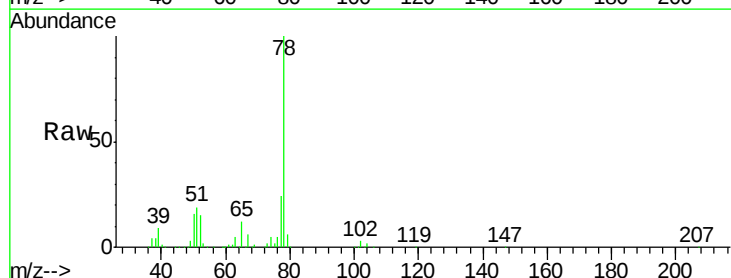
Manual Integrations
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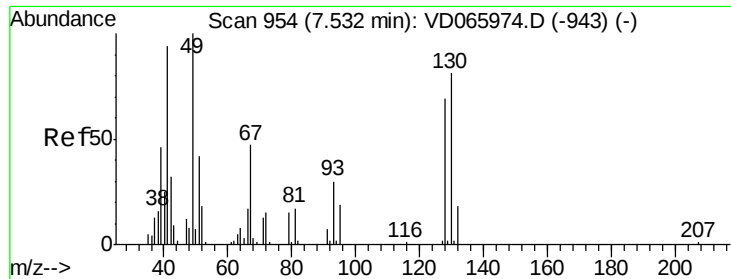
MMDadoda
7/27/2020 12:03:45 PM



#40
Benzene
Concen: 50.941 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	518019		
77	24.0		18.6	27.8





#41

Methacrylonitrile

Concen: 53.726 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 42724

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

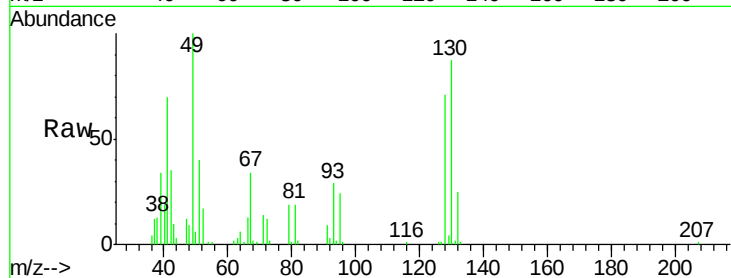
52 0.0 0.0 0.0

Manual Integrations

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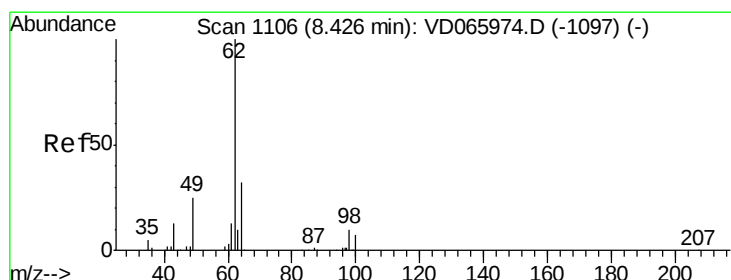
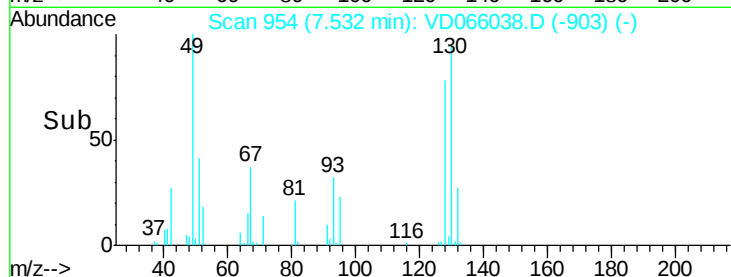
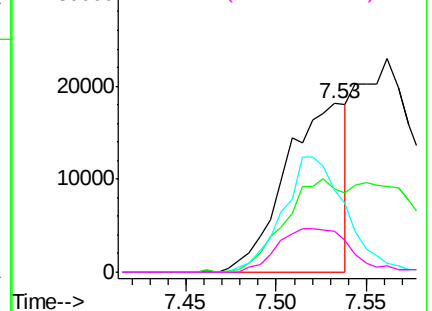


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.011 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD066038.D

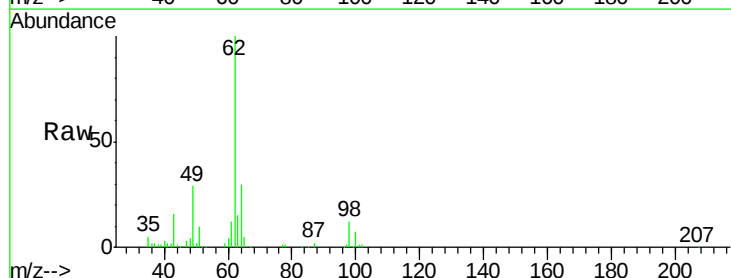
Acq: 24 Jul 2020 10:51

Tgt Ion: 62 Resp: 144932

Ion Ratio Lower Upper

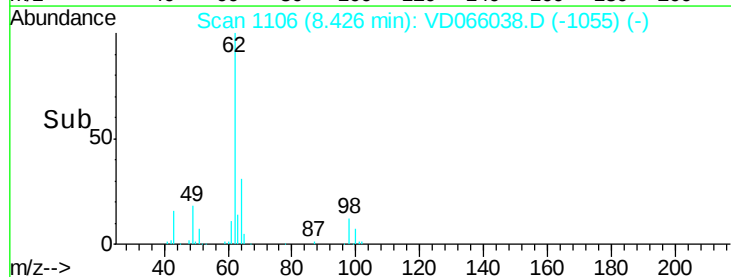
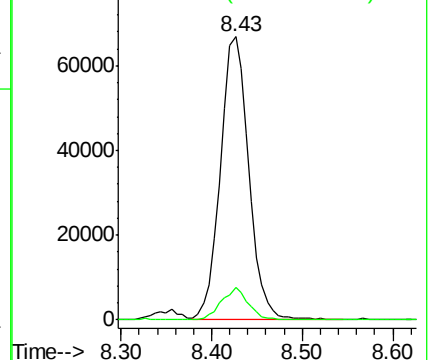
62 100

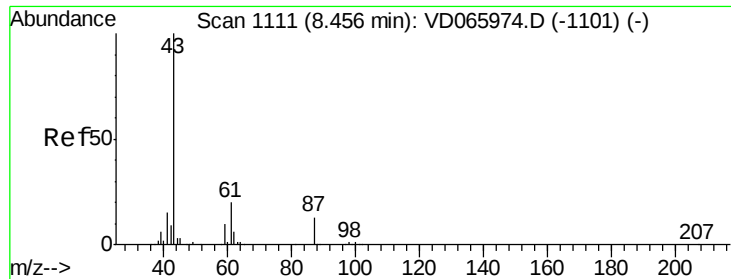
98 10.8 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





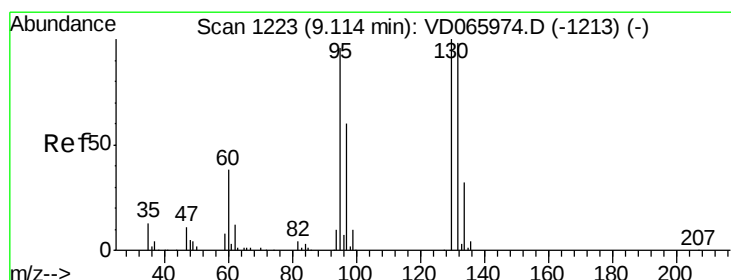
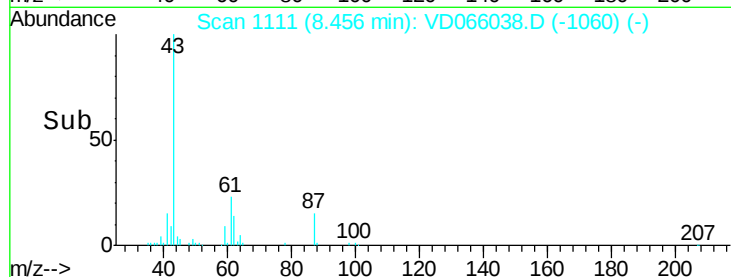
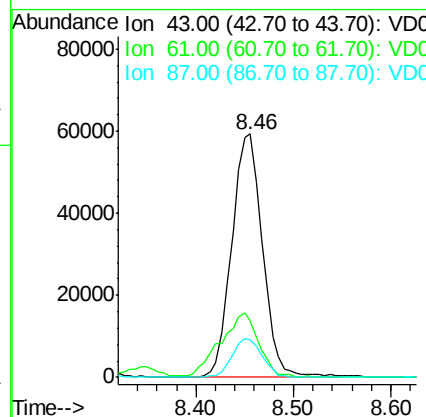
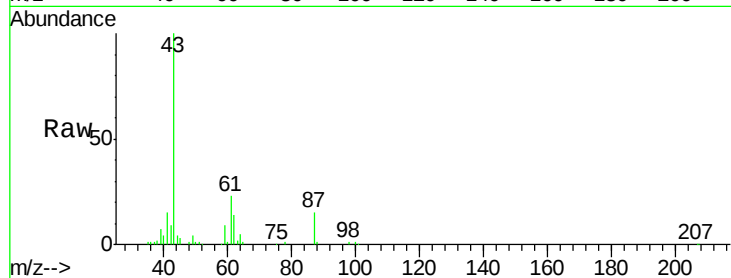
#43
Isopropyl Acetate
Concen: 47.979 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.9	25.8	38.8
87	15.5	10.9	16.3

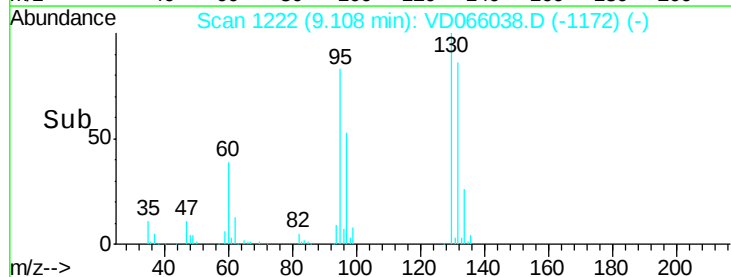
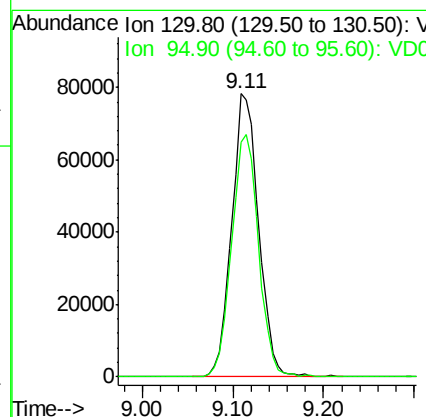
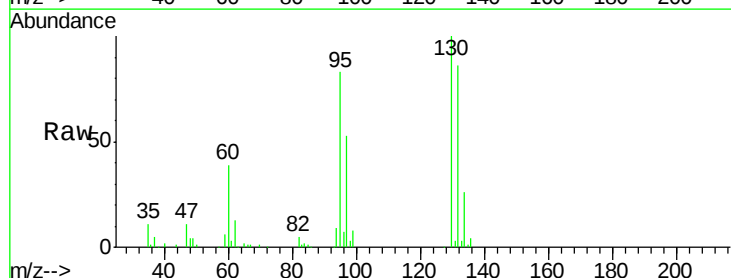
Manual Integrations
APPROVED

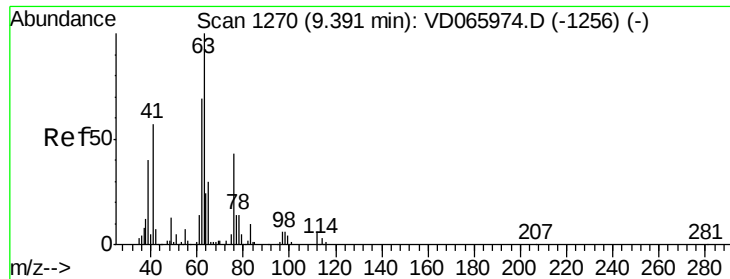
MMDadoda
7/27/2020 12:03:45 PM



#44
Trichloroethene
Concen: 52.509 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.1	0.0	191.6





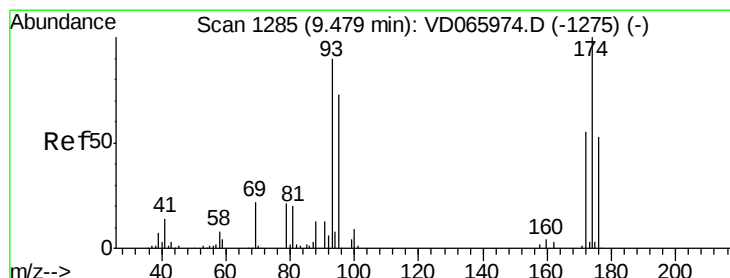
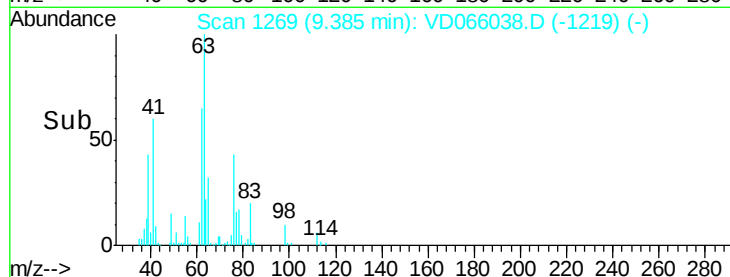
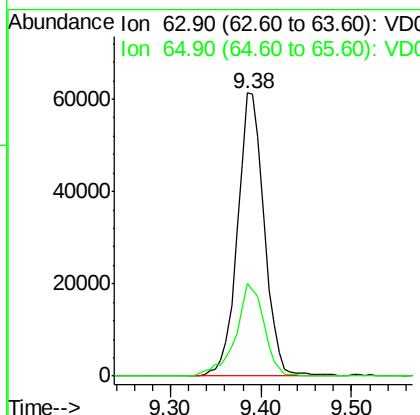
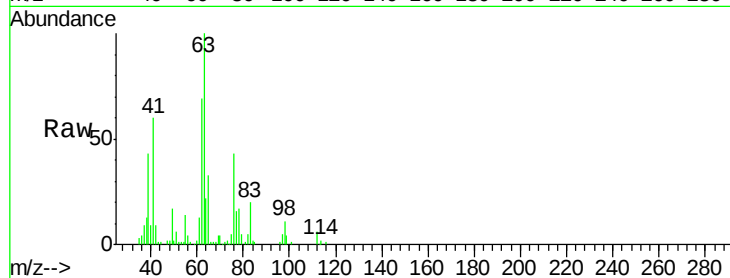
#45
 1,2-Dichloropropane
 Concen: 51.029 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 125678
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.0 36.0

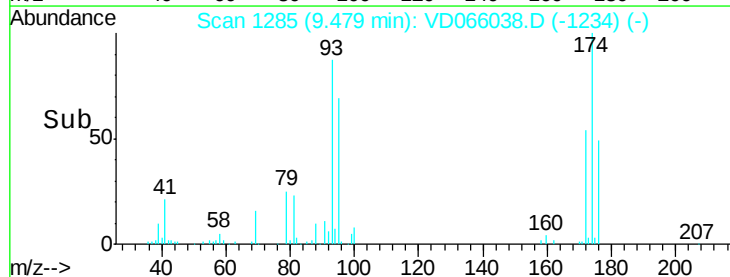
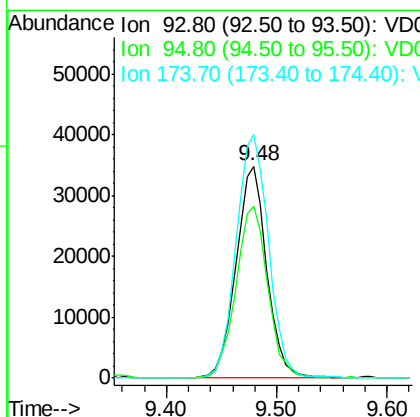
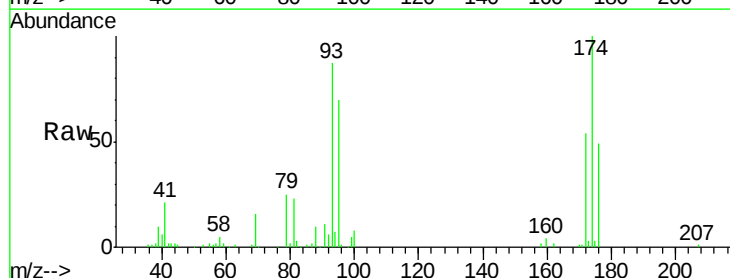
Manual Integrations
 APPROVED

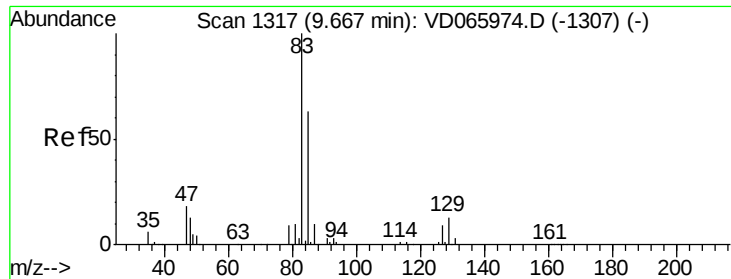
MMDadoda
 7/27/2020 12:03:45 PM



#46
 Dibromomethane
 Concen: 51.446 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Tgt Ion: 93 Resp: 68209
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.4
 174 121.4 91.5 137.3





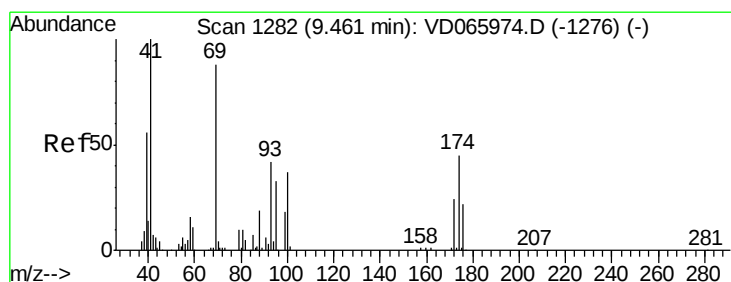
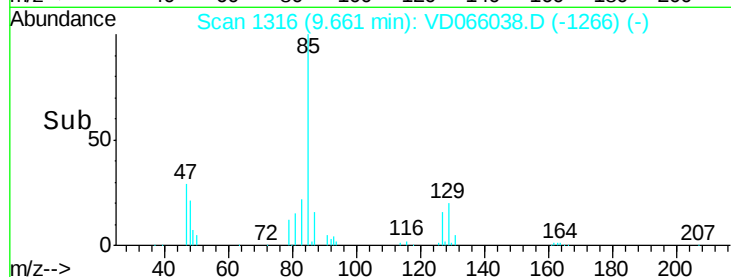
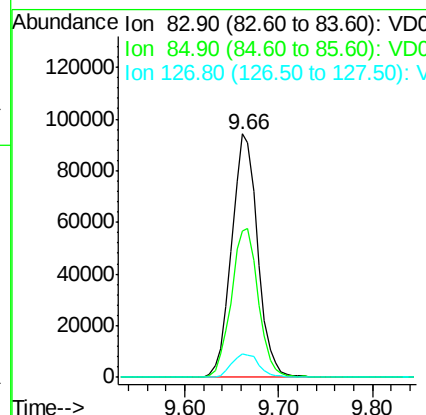
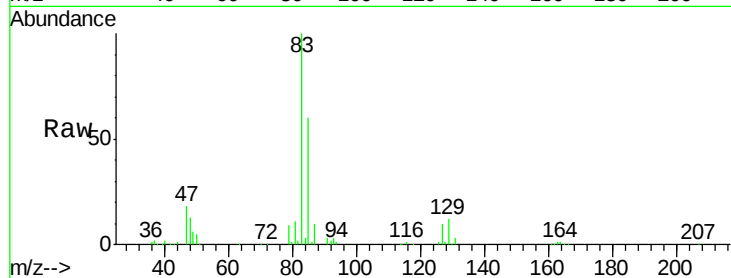
#47
Bromodichloromethane
Concen: 51.788 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	181551
Ion Ratio	100	Lower	Upper
83	100		
85	60.2	50.6	75.8
127	9.6	7.1	10.7

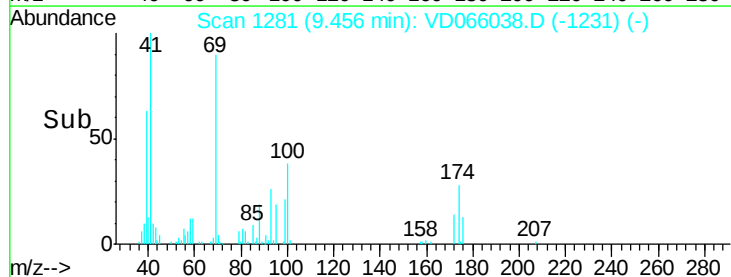
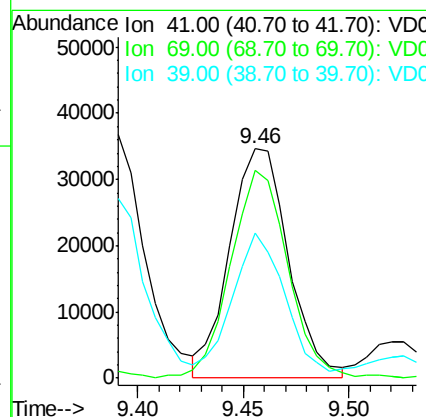
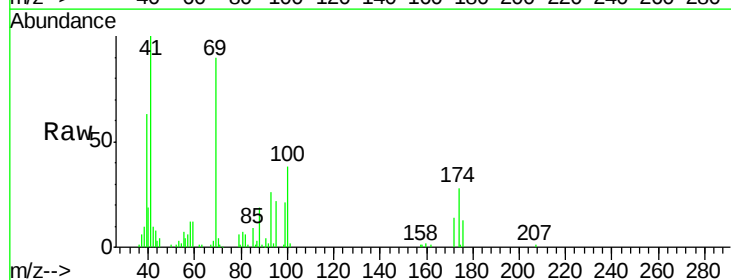
Manual Integrations
APPROVED

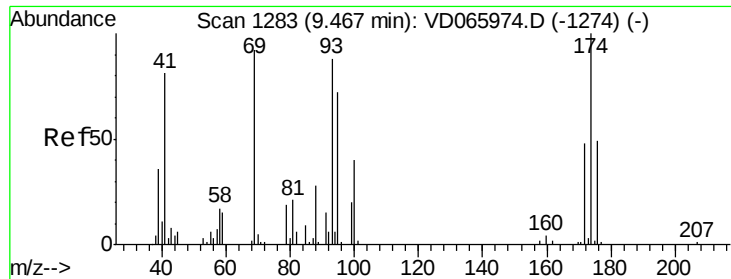
MMDadoda
7/27/2020 12:03:45 PM



#48
Methyl methacrylate
Concen: 48.706 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	41	Resp	66612
Ion Ratio	100	Lower	Upper
41	100		
69	88.8	65.1	97.7
39	52.2	41.5	62.3





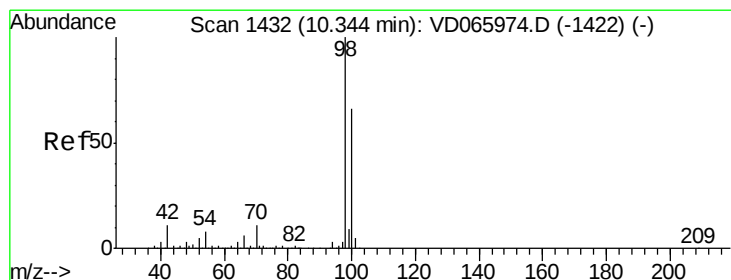
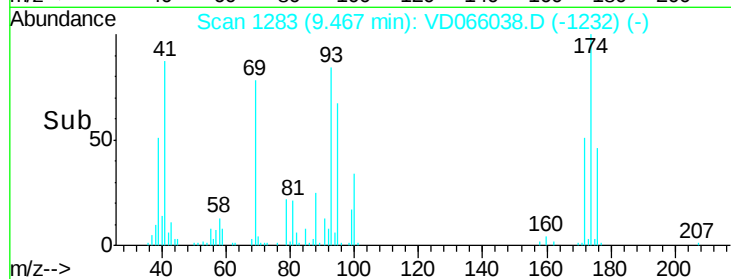
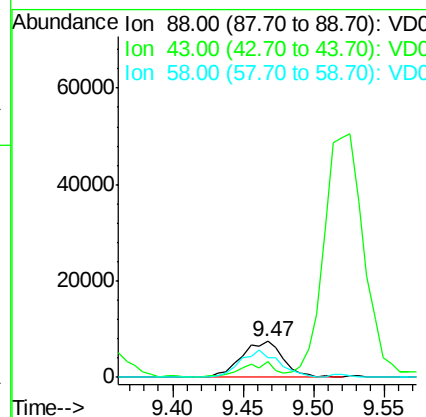
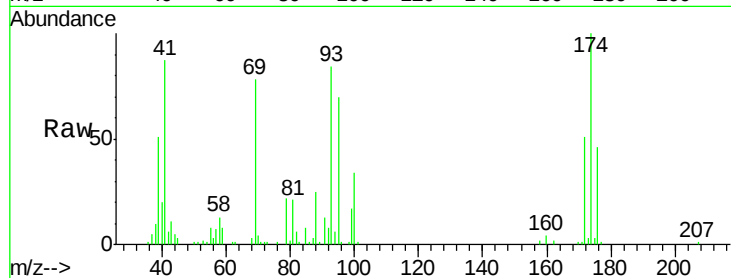
#49
1,4-Dioxane
Concen: 1010.511 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	29.0	43.6
58	69.6	57.0	85.4

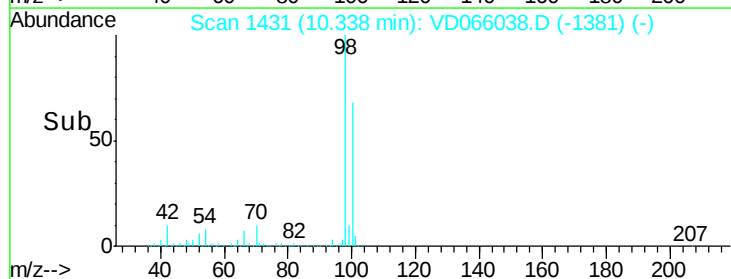
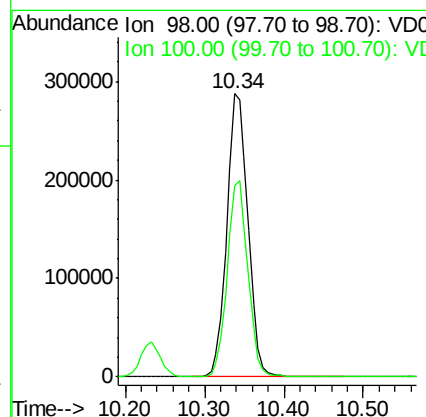
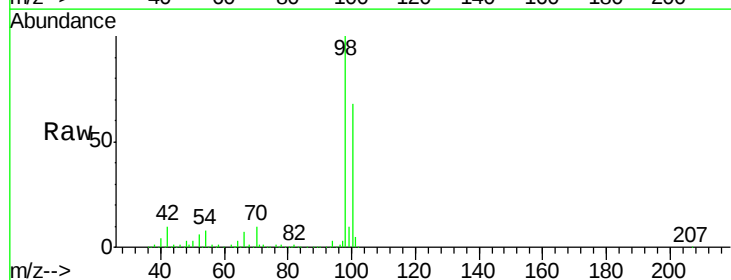
Manual Integrations
APPROVED

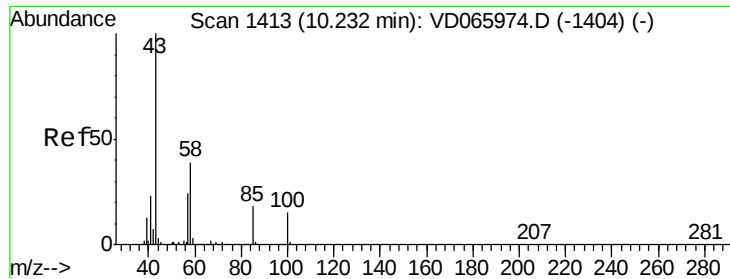
MMDadoda
7/27/2020 12:03:45 PM



#50
Toluene-d8
Concen: 54.938 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 251.676 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 343810

Ion Ratio Lower Upper

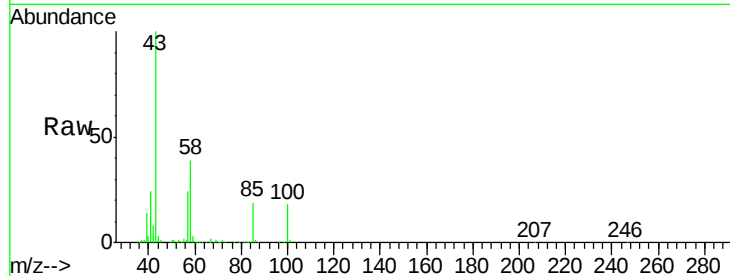
43 100

58 39.7 31.3 46.9

Manual Integrations
APPROVED

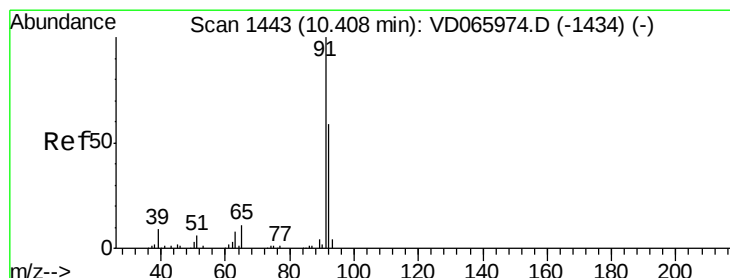
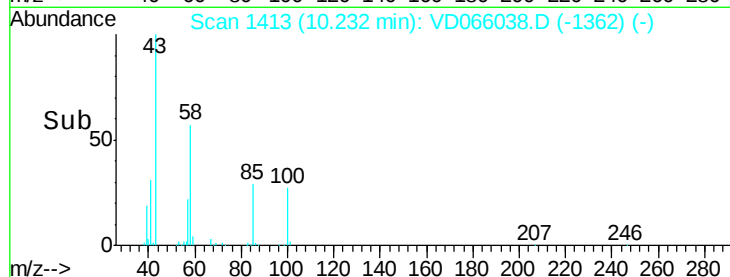
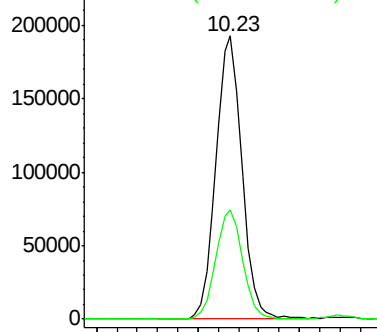
MMDadoda

7/27/2020 12:03:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.617 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD066038.D

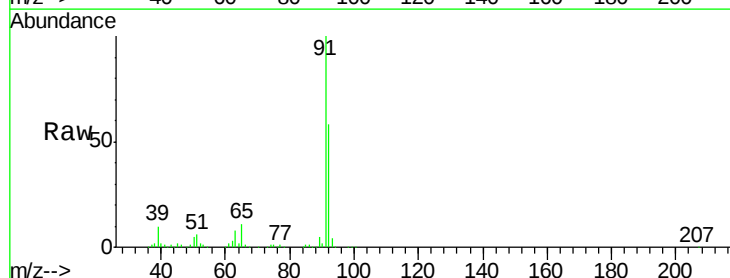
Acq: 24 Jul 2020 10:51

Tgt Ion: 92 Resp: 348935

Ion Ratio Lower Upper

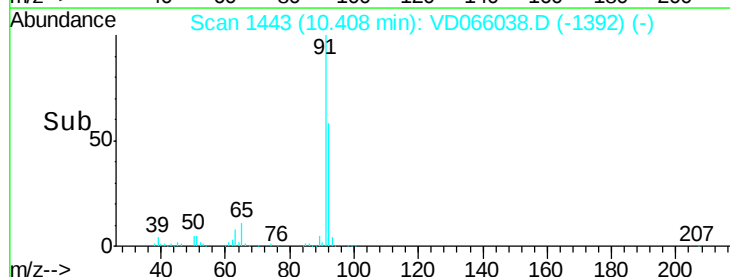
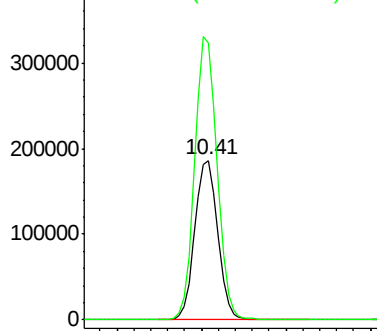
92 100

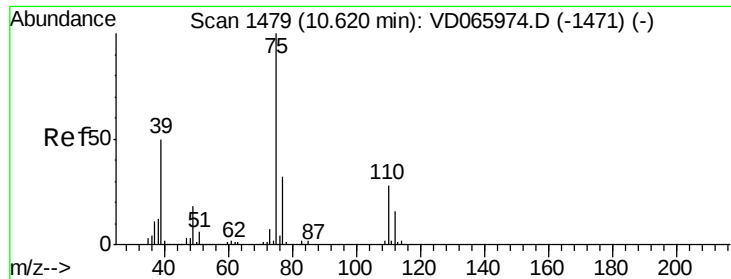
91 173.1 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





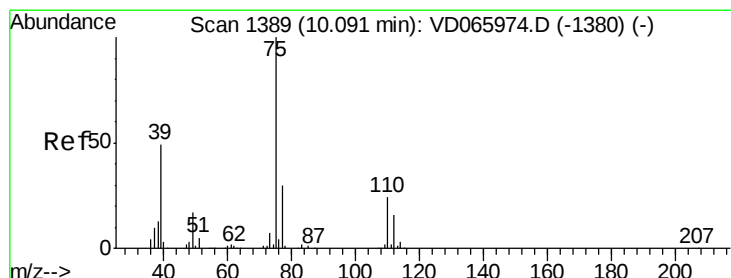
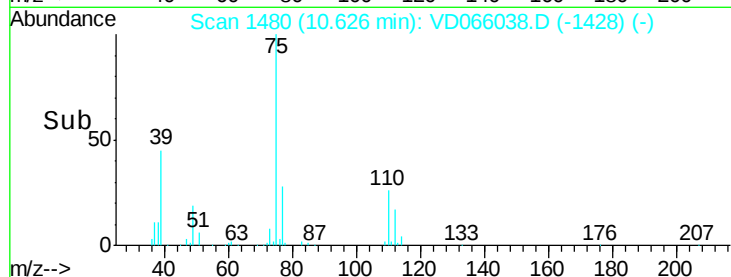
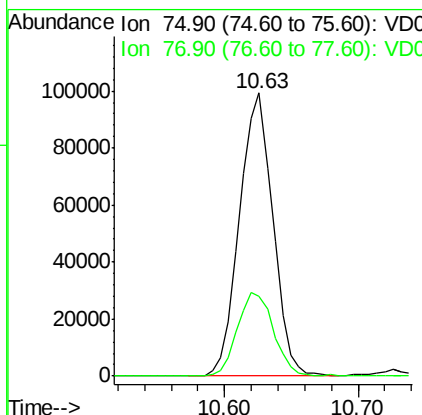
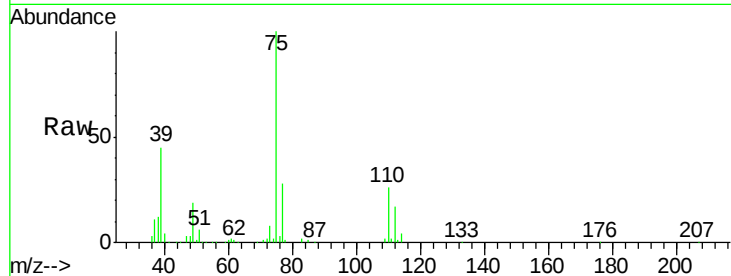
#53
t-1,3-Dichloropropene
Concen: 52.555 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 171645
Ion Ratio Lower Upper
75 100
77 28.2 25.8 38.6

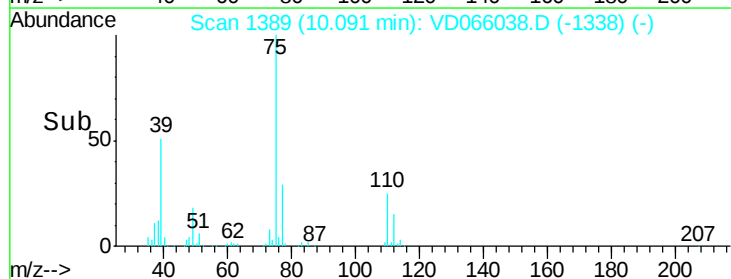
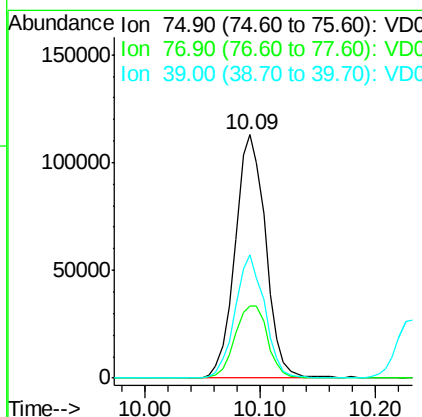
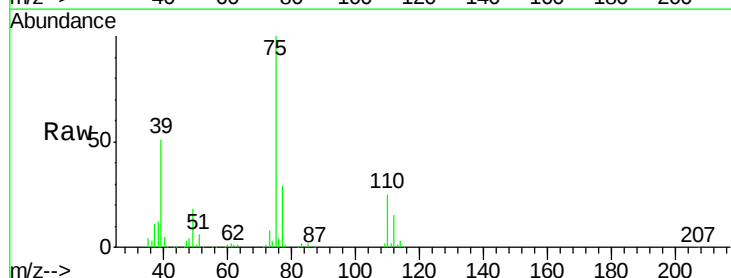
Manual Integrations
APPROVED

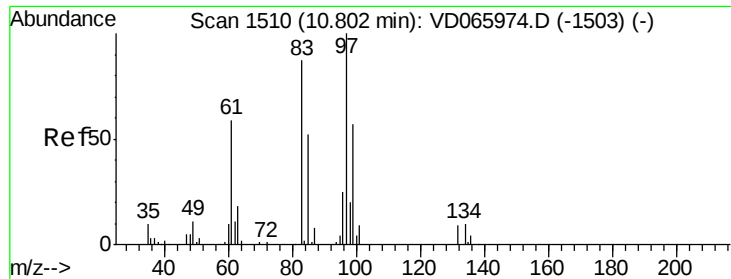
MMDadoda
7/27/2020 12:03:45 PM



#54
cis-1,3-Dichloropropene
Concen: 52.189 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion: 75 Resp: 206616
Ion Ratio Lower Upper
75 100
77 29.4 23.8 35.8
39 50.6 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 52.156 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 98072

Ion Ratio Lower Upper

97 100

83 85.8 69.7 104.5

85 55.5 41.6 62.4

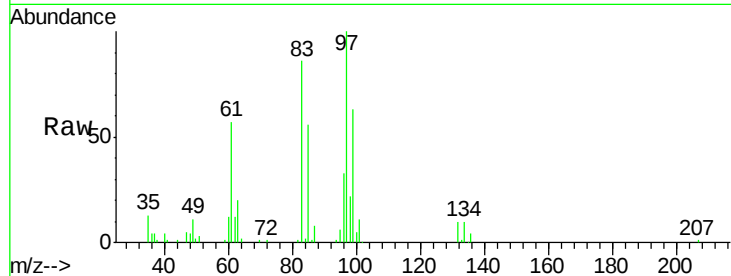
99 63.0 45.9 68.9

Manual Integrations

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7/27/2020 12:03:45 PM



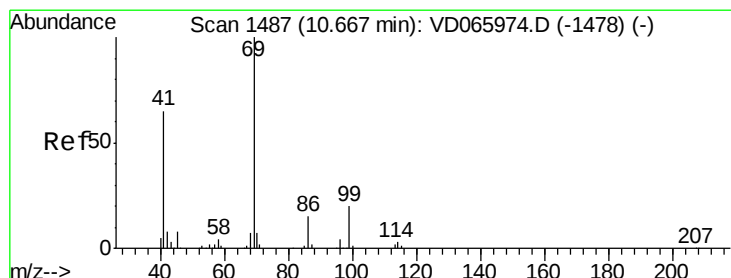
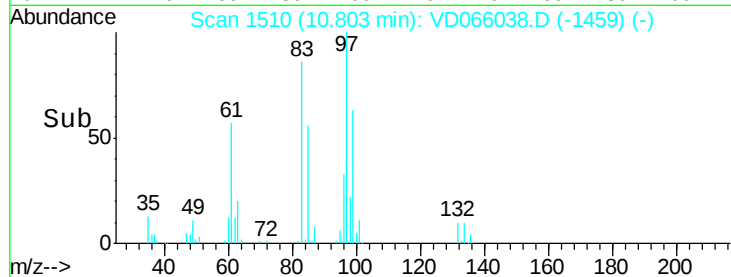
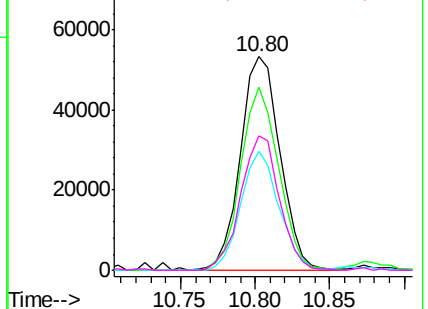
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 52.521 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

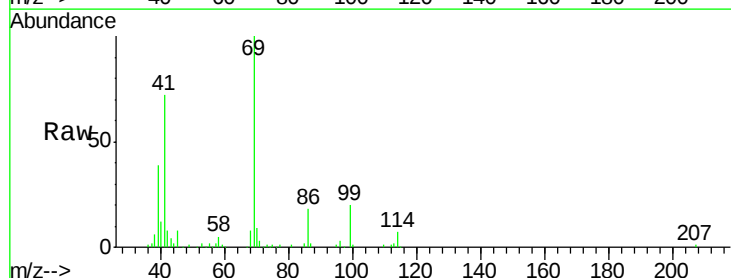
Tgt Ion: 69 Resp: 114822

Ion Ratio Lower Upper

69 100

41 68.8 52.3 78.5

39 33.4 25.2 37.8

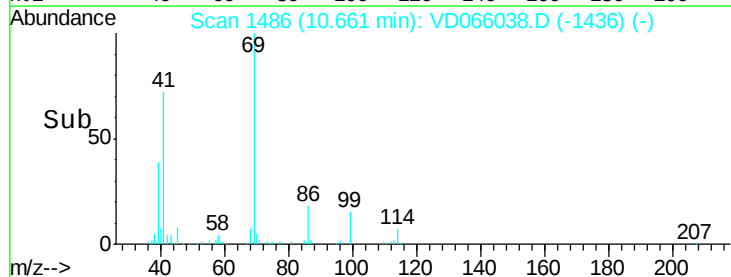
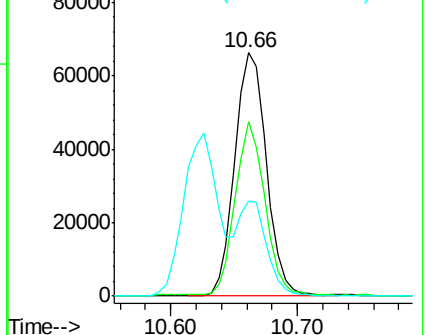


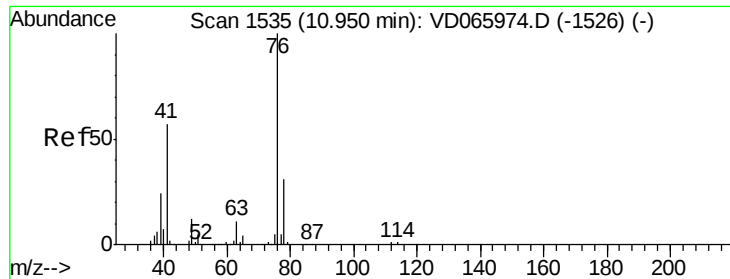
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





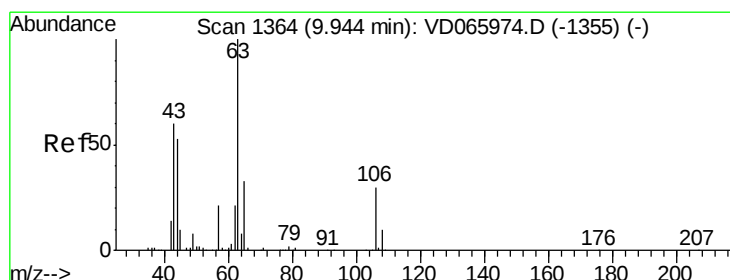
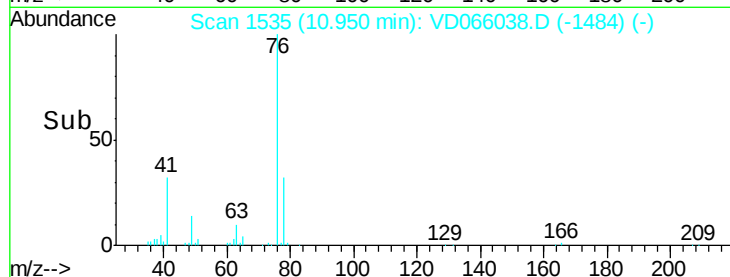
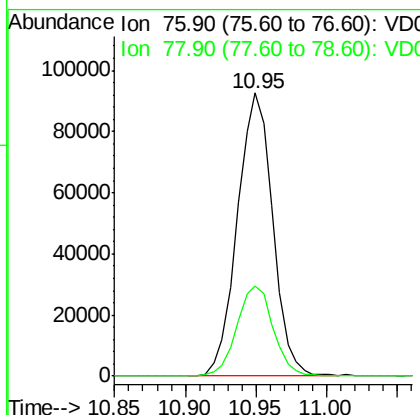
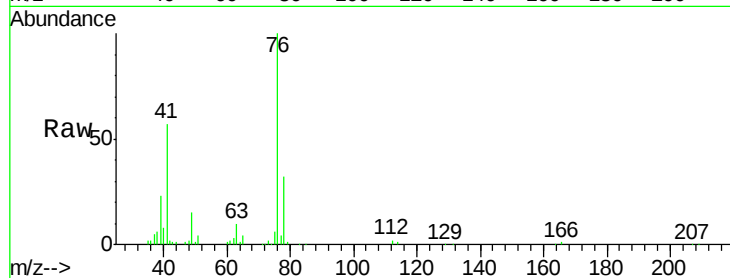
#57
 1,3-Dichloropropane
 Concen: 52.103 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 162191
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

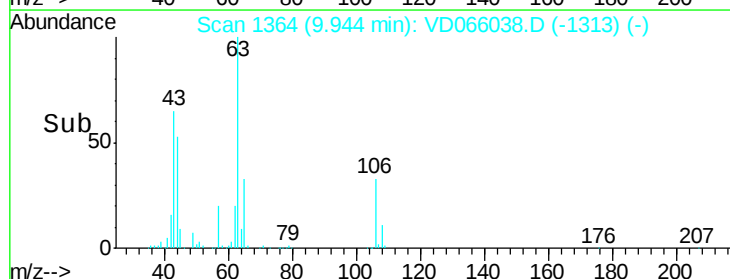
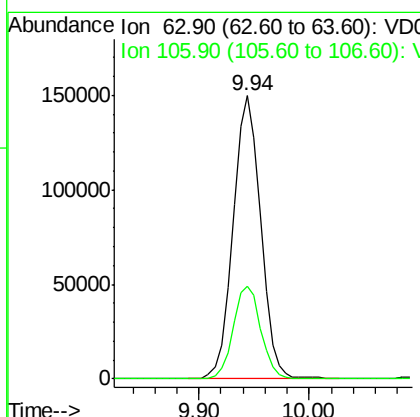
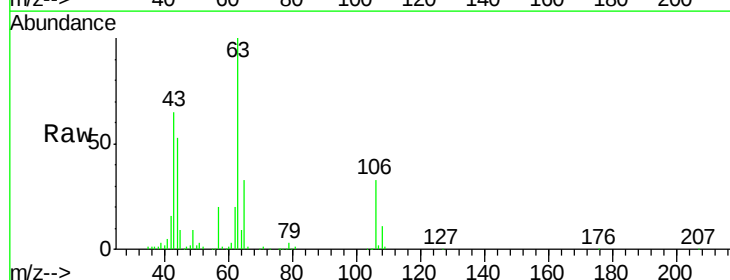
Manual Integrations
 APPROVED

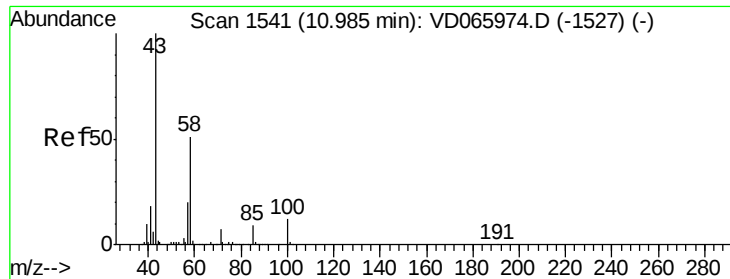
MMDadoda
 7/27/2020 12:03:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.227 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Tgt Ion: 63 Resp: 263417
 Ion Ratio Lower Upper
 63 100
 106 32.8 24.4 36.6





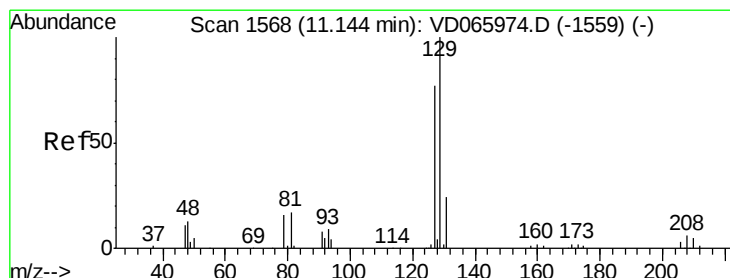
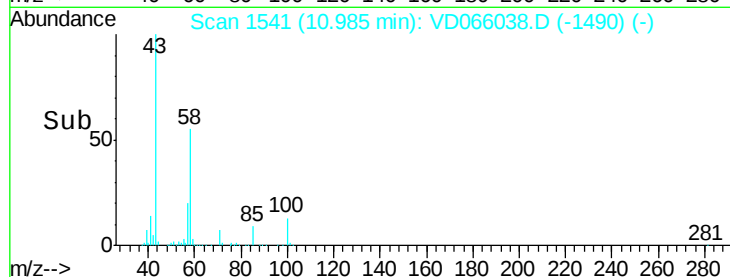
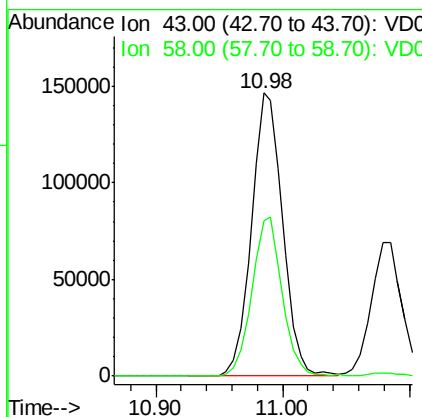
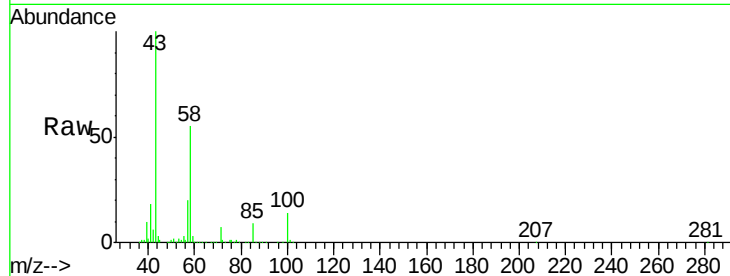
#59
2-Hexanone
Concen: 264.377 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 250280
Ion Ratio Lower Upper
43 100
58 54.6 26.2 78.6

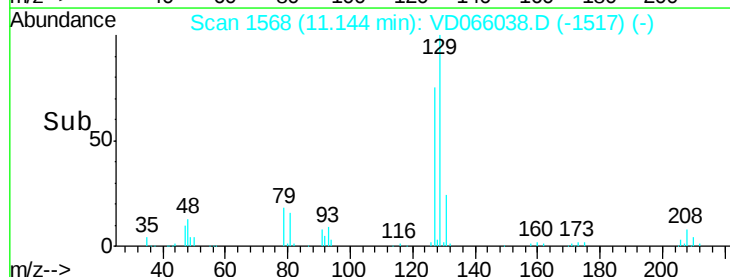
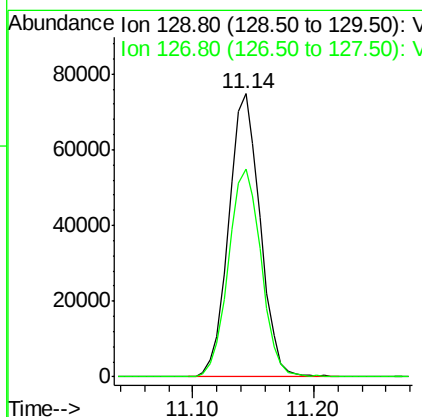
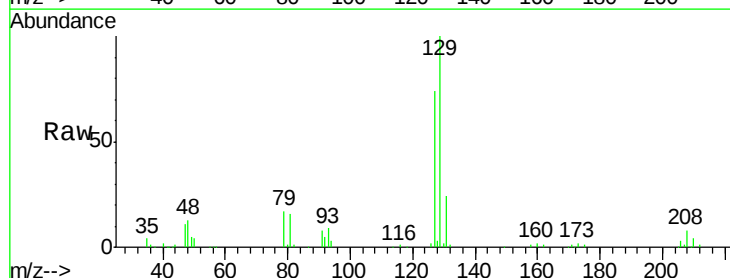
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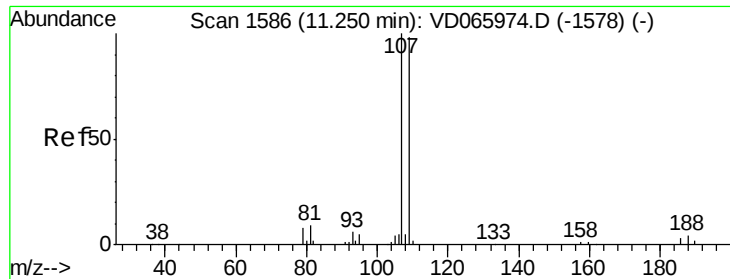
MMDadoda
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#60
Dibromochloromethane
Concen: 53.455 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion: 129 Resp: 135525
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7





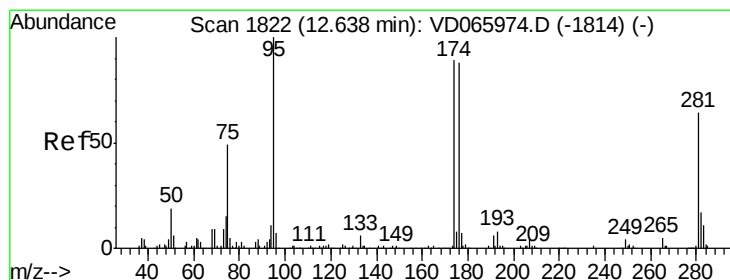
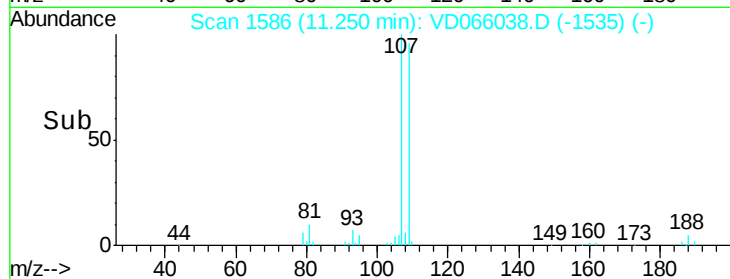
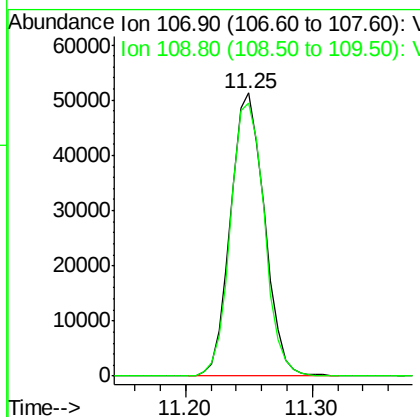
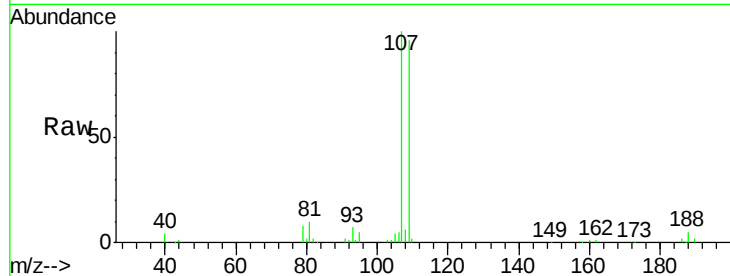
#61
 1,2-Dibromoethane
 Concen: 52.356 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 94922
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.0 112.4

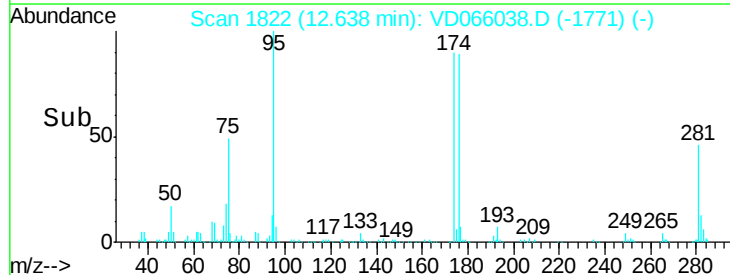
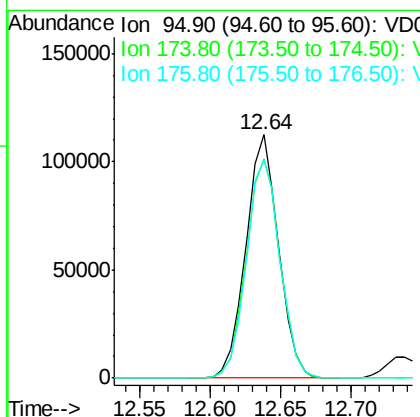
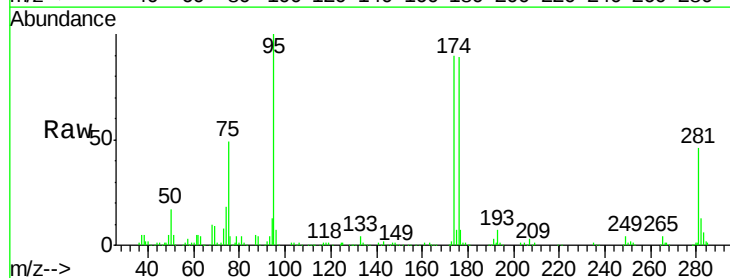
Manual Integrations
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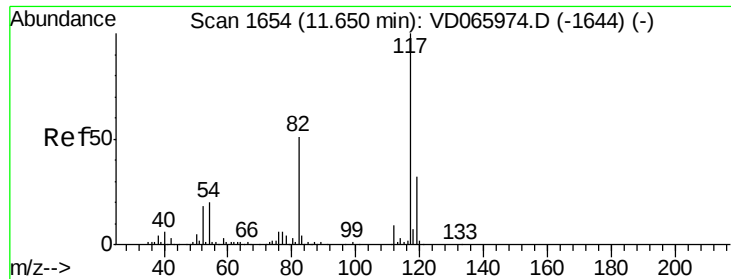
MMDadoda
 7/27/2020 12:03:45 PM



#62
 4-Bromofluorobenzene
 Concen: 54.662 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Tgt Ion: 95 Resp: 182393
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 178.8
 176 92.4 0.0 172.6





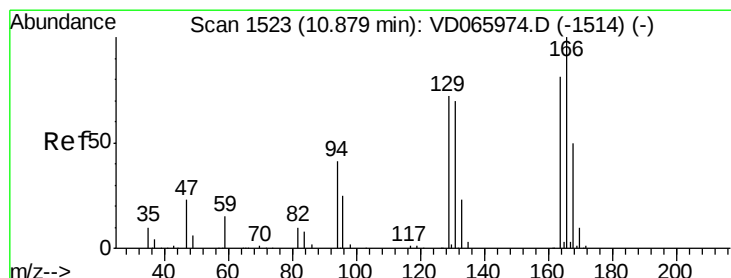
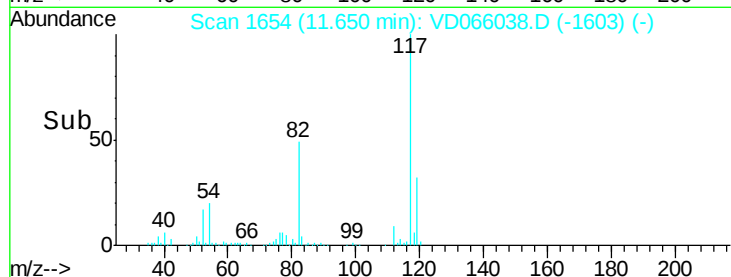
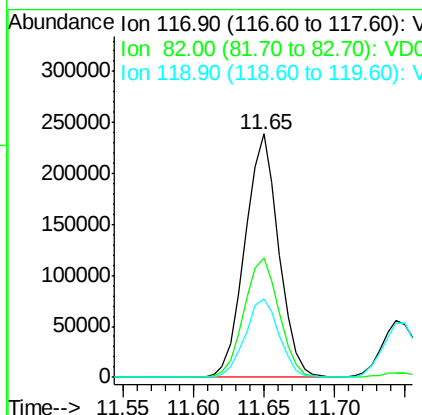
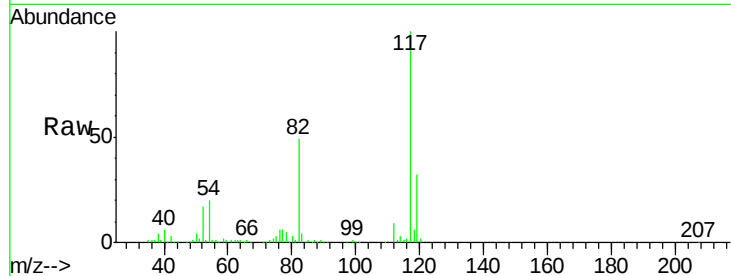
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	399585		
82	49.0		41.1	61.7
119	32.1		25.9	38.9

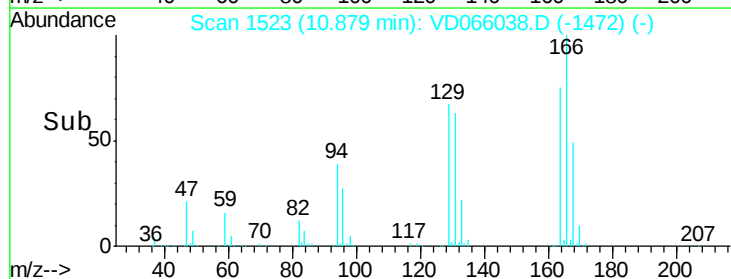
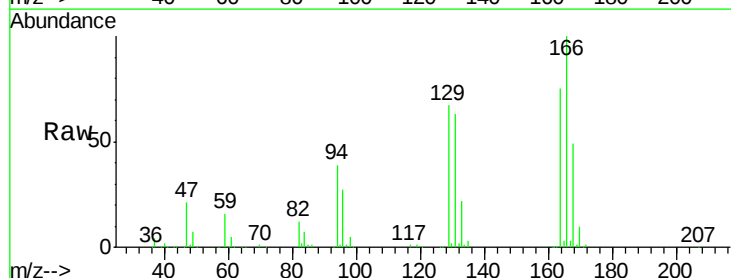
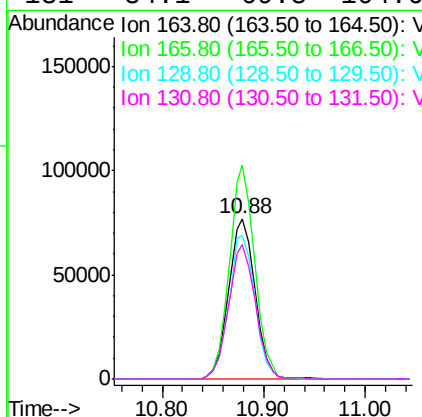
Manual Integrations
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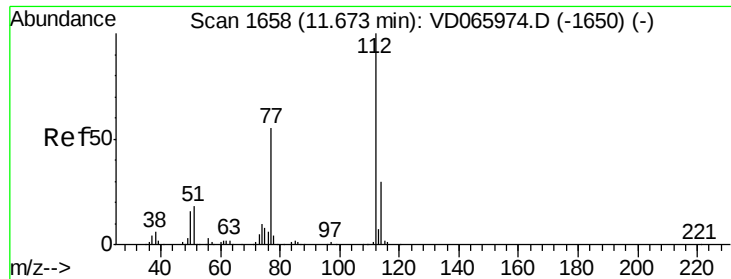
MMDadoda
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#64
Tetrachloroethene
Concen: 51.328 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139207		
166	133.2		99.1	148.7
129	89.2		71.5	107.3
131	84.1		69.8	104.6





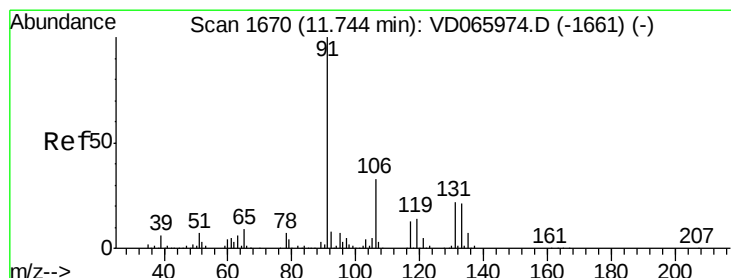
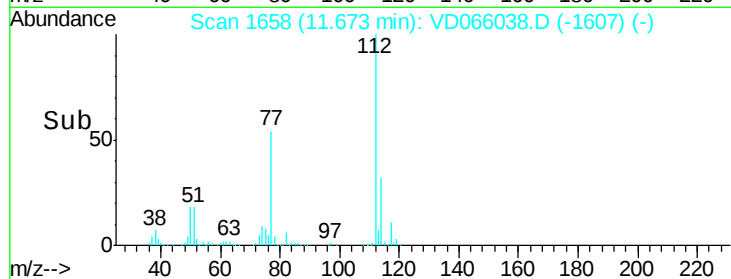
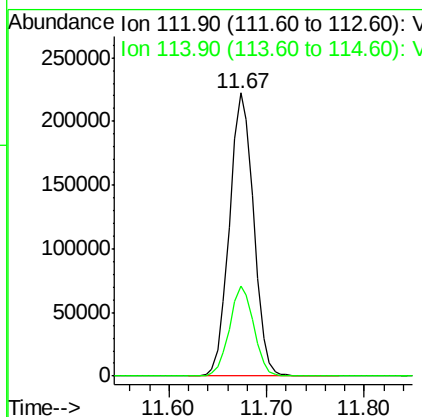
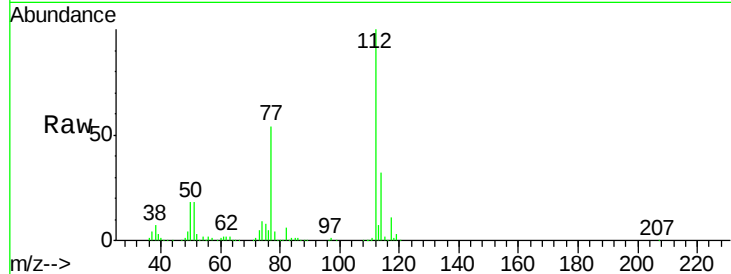
#65
Chlorobenzene
Concen: 52.101 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 381180
Ion Ratio Lower Upper
112 100
114 32.0 24.4 36.6

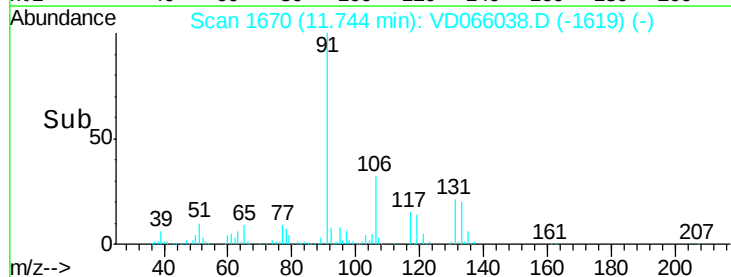
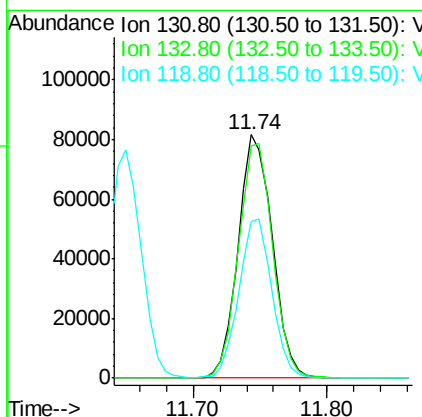
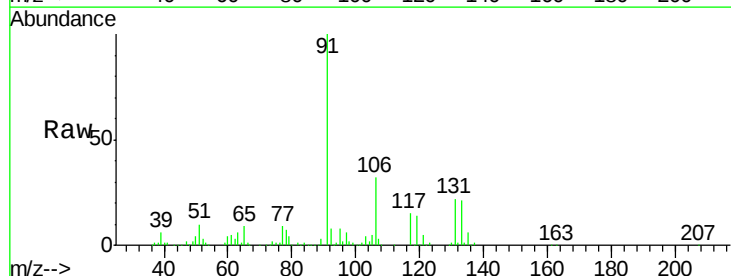
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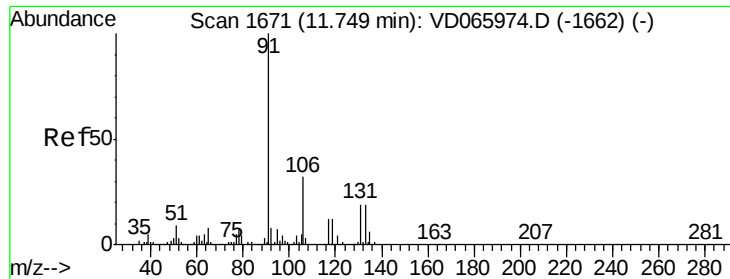
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.672 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion:131 Resp: 144991
Ion Ratio Lower Upper
131 100
133 96.3 47.3 142.0
119 63.3 31.7 95.1





#67

Ethyl Benzene

Concen: 53.522 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 673871

Ion Ratio Lower Upper

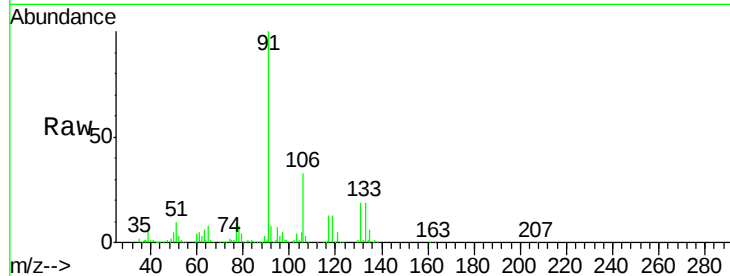
91 100

106 32.9 25.7 38.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065974.D (-1662) (-)

600000

500000

400000

300000

200000

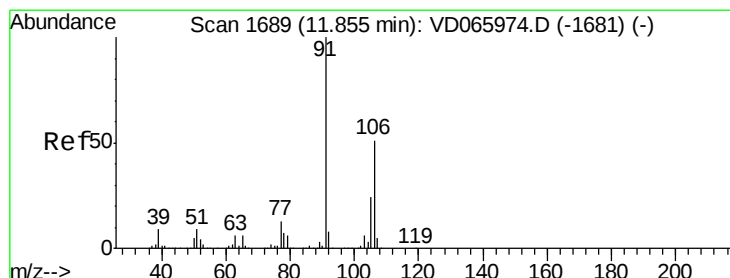
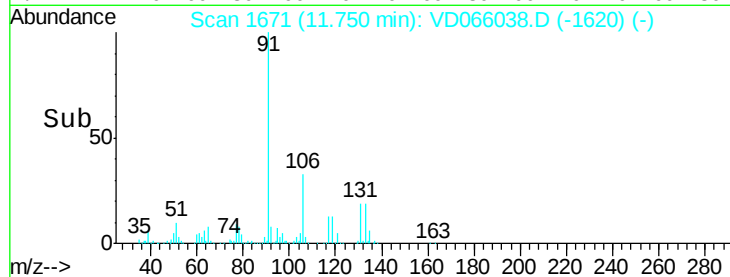
100000

0

11.70

11.80

Time-->



#68

m/p-Xylenes

Concen: 106.551 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066038.D

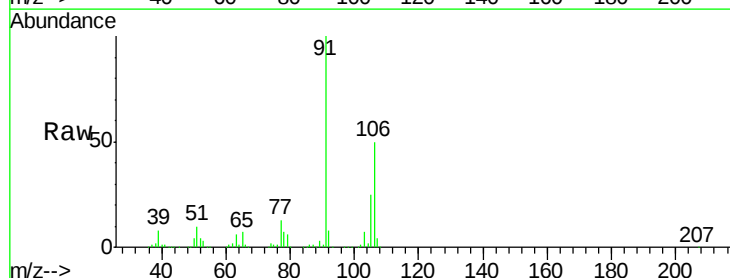
Acq: 24 Jul 2020 10:51

Tgt Ion: 106 Resp: 515633

Ion Ratio Lower Upper

106 100

91 198.1 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VD065974.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD065974.D (-1681) (-)

600000

500000

400000

300000

200000

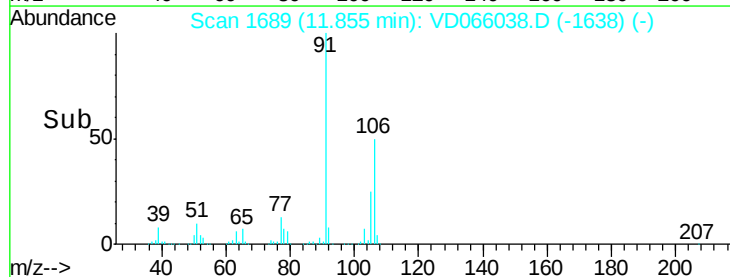
100000

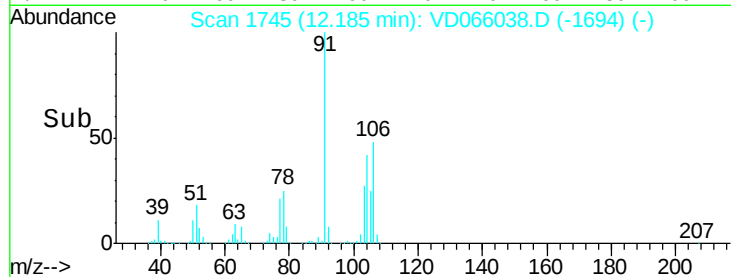
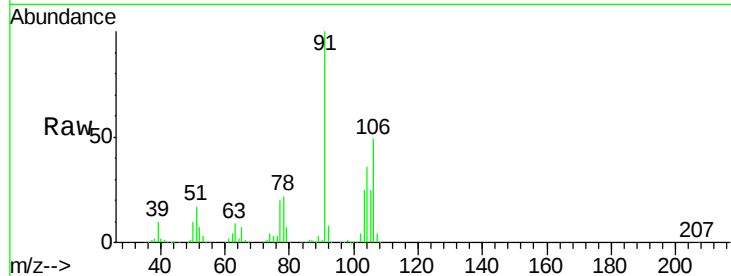
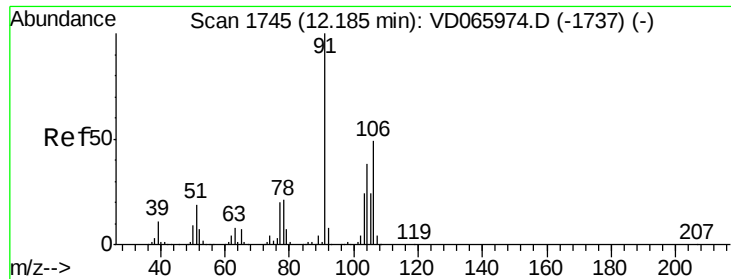
0

11.80

11.90

Time-->





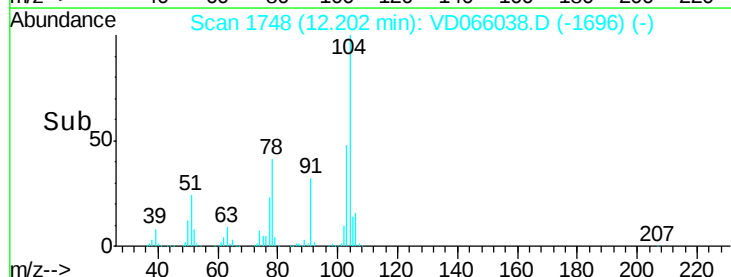
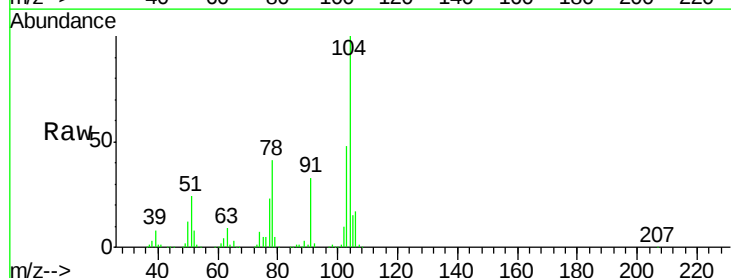
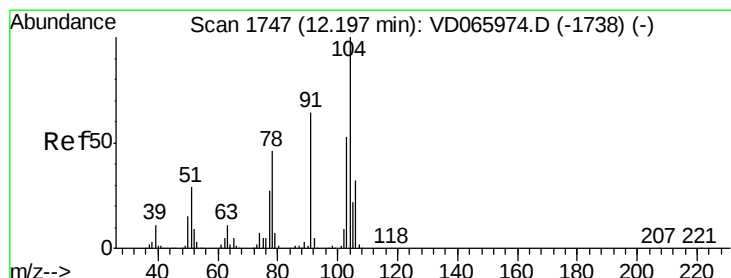
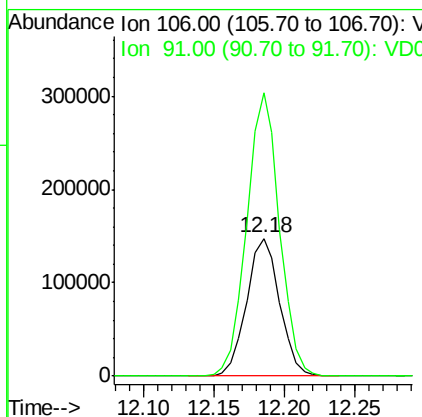
#69
o-Xylene
Concen: 54.970 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tot Ion:106 Resp: 241949
Ion Ratio Lower Upper
106 100
91 203.8 103.1 309.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

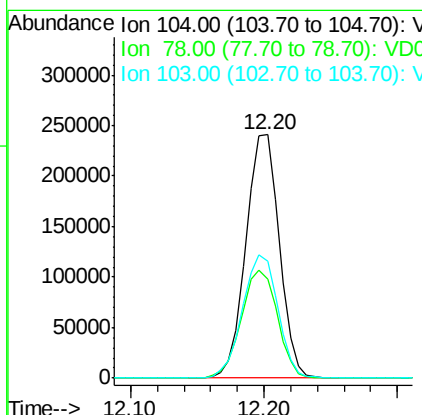
Manual Integrations
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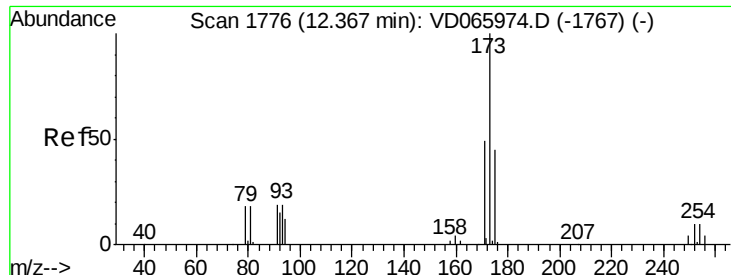
MMDadoda
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#70
Styrene
Concen: 54.885 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion:104 Resp: 415071
Ion Ratio Lower Upper
104 100
78 48.2 38.3 57.5
103 54.2 43.8 65.8





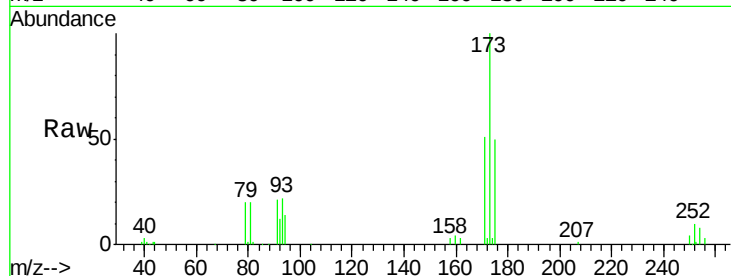
#71
Bromoform
Concen: 51.145 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

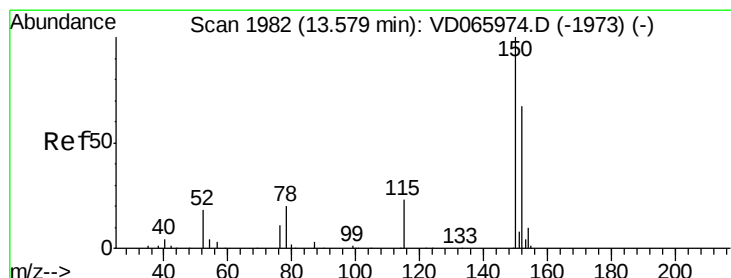
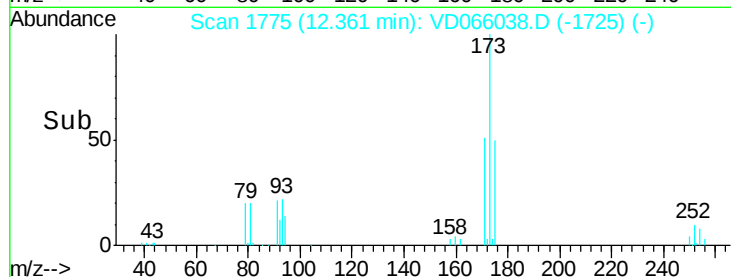
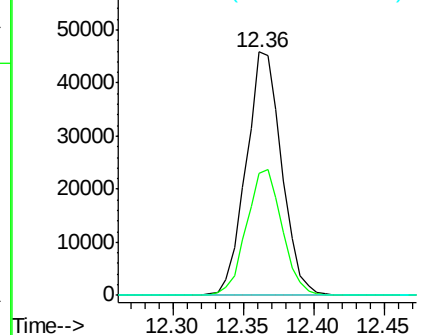
Tot Ion	Ratio	Lower	Upper
173	100		
175	52.1	24.1	72.3
254	0.0	0.0	0.0

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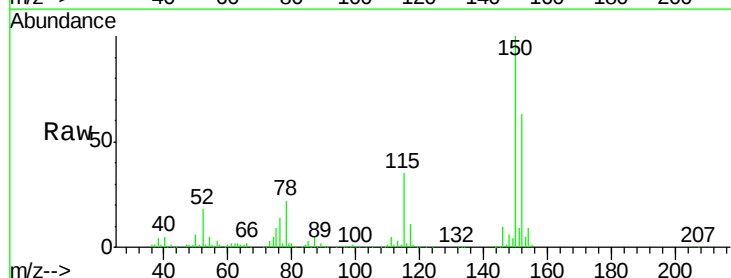


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

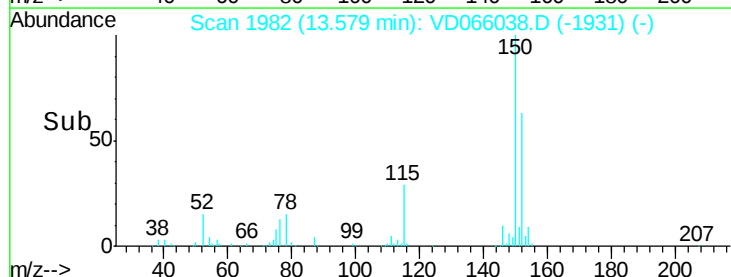
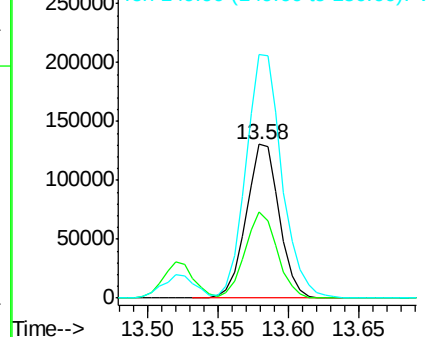


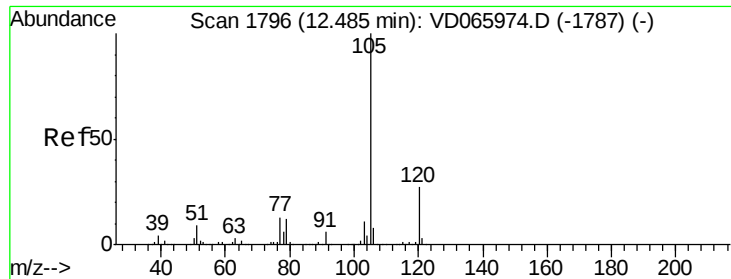
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.9	83.7
150	172.5	0.0	348.2



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: 52.200 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 674647

Ion Ratio Lower Upper

105 100

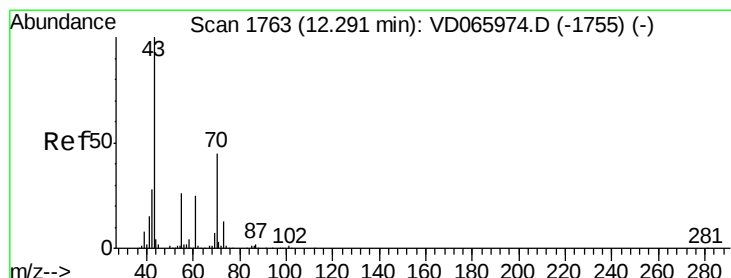
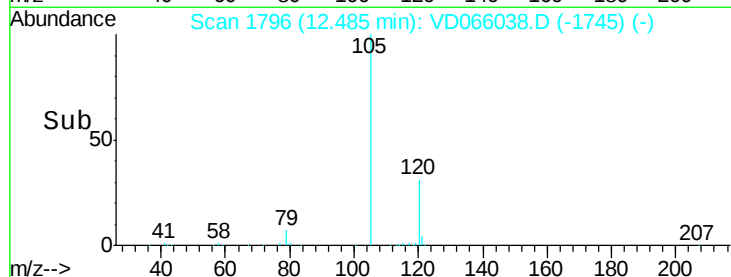
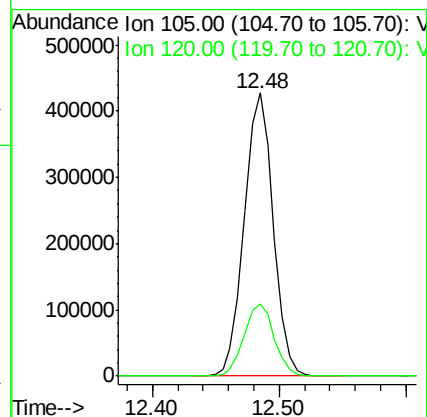
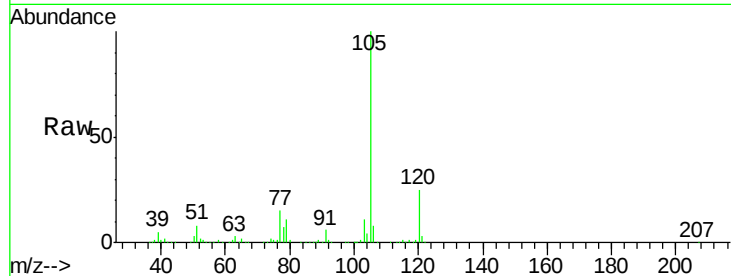
120 26.6 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.402 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Tgt Ion: 43 Resp: 129703

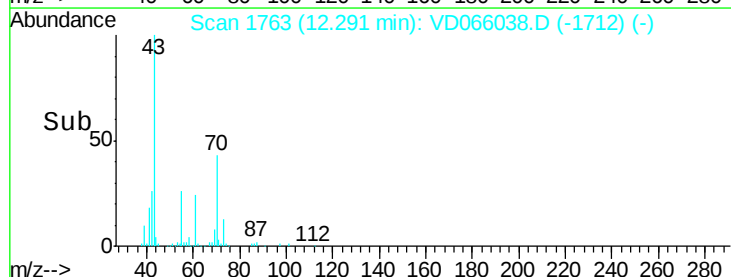
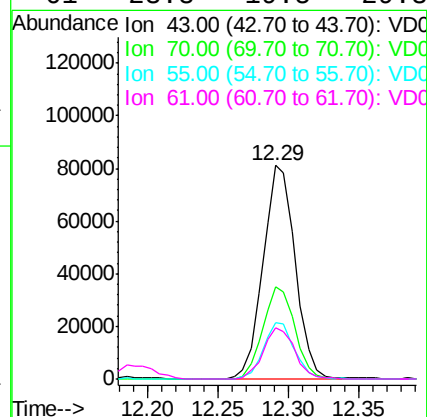
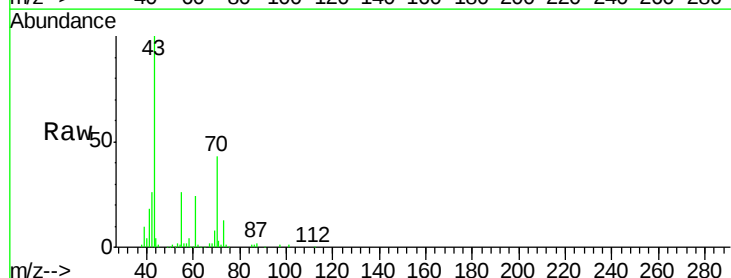
Ion Ratio Lower Upper

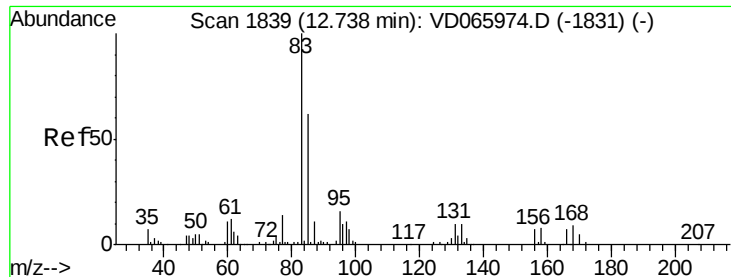
43 100

70 43.0 34.6 51.8

55 25.4 20.3 30.5

61 23.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.048 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

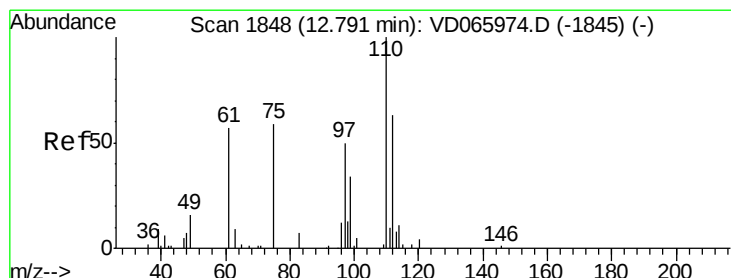
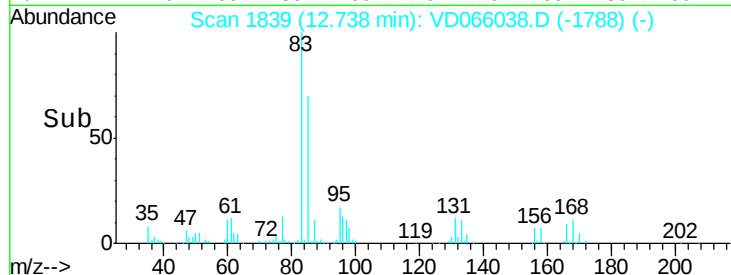
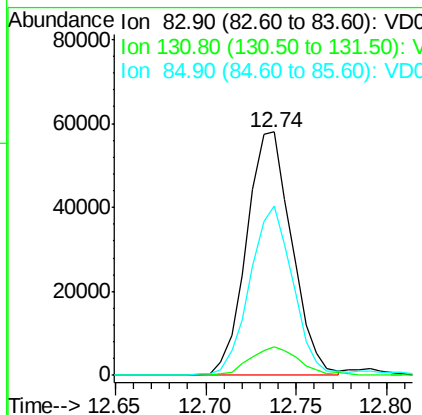
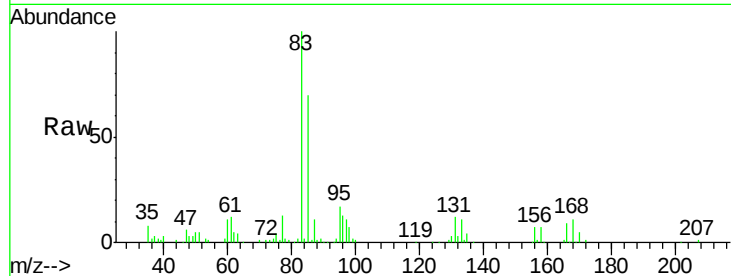
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	100490
Ion Ratio	Lower	Upper	
83	100		
131	12.6	5.7	17.1
85	66.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.536 ug/l m

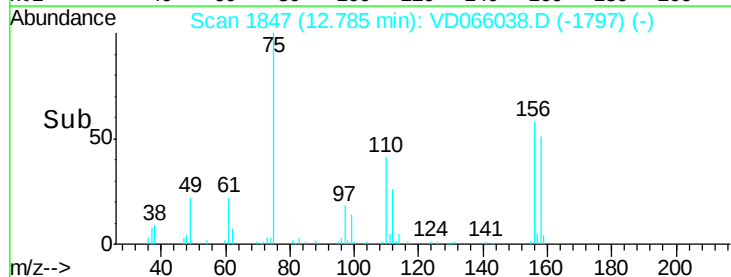
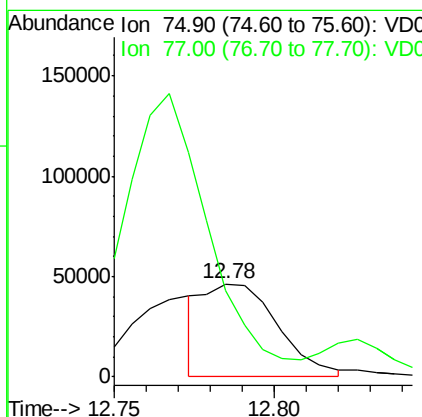
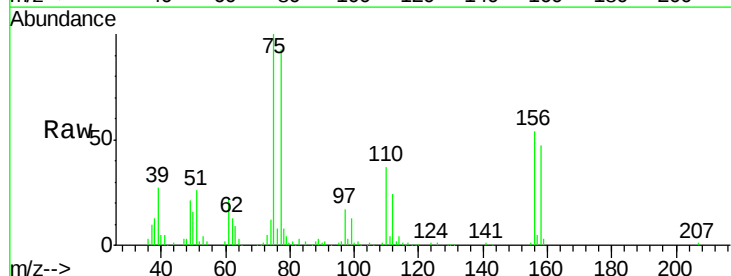
RT: 12.78 min Scan# 1847

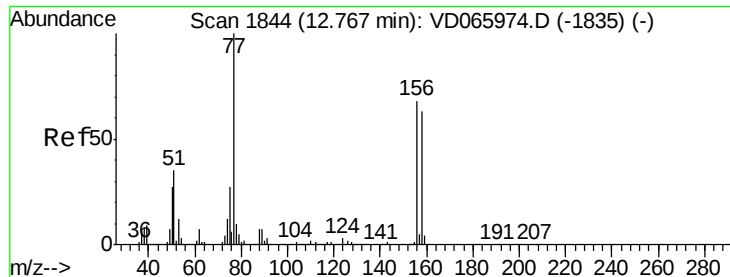
Delta R.T. -0.01 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Tgt Ion:	75	Resp:	74840
Ion Ratio	Lower	Upper	
75	100		
77	352.6	0.0	0.0#





#77

Bromobenzene

Concen: 50.481 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

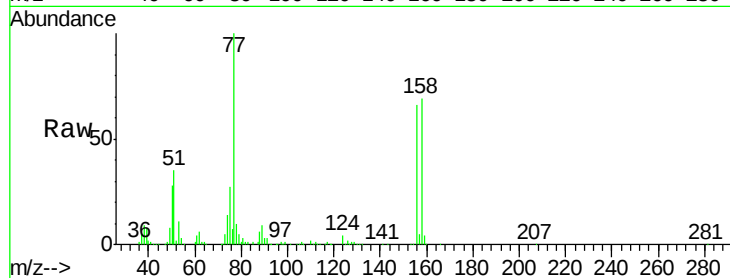
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	166736
Ion Ratio	Lower	Upper	
156	100		
77	158.3	83.0	249.0
158	98.2	48.2	144.6

Manual Integrations
APPROVED

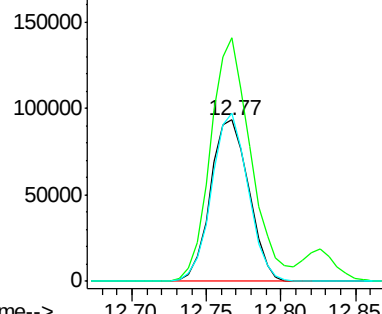
MMDadoda
7/27/2020 12:03:45 PM



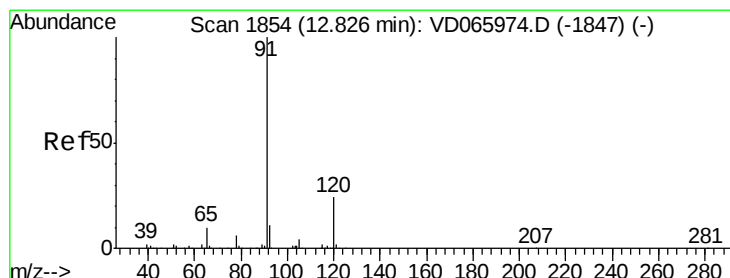
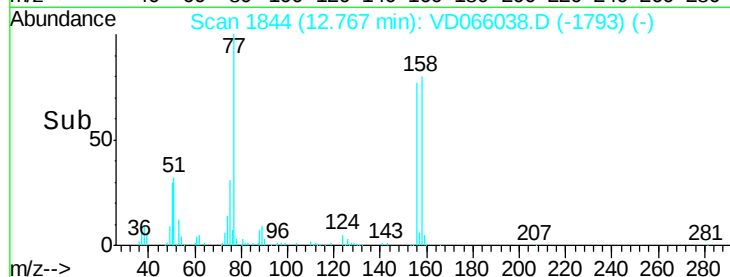
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 52.138 ug/l

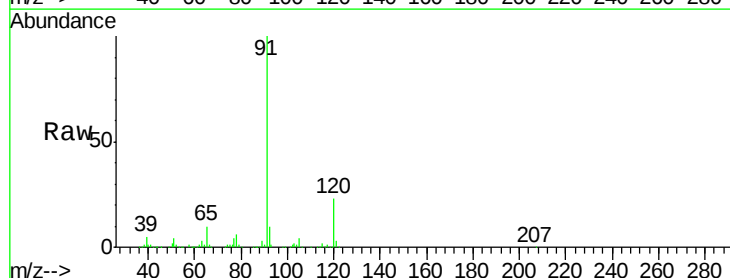
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD066038.D

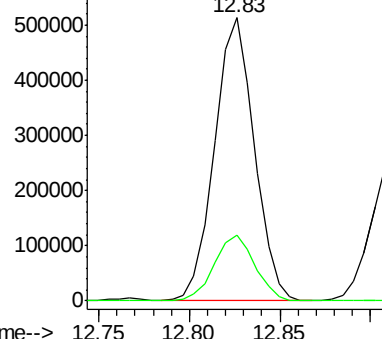
Acq: 24 Jul 2020 10:51

Tgt Ion:	91	Resp:	781935
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0

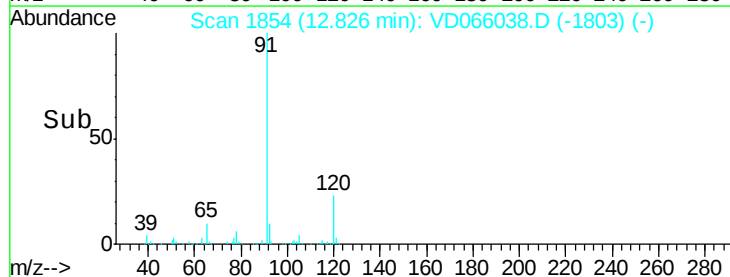


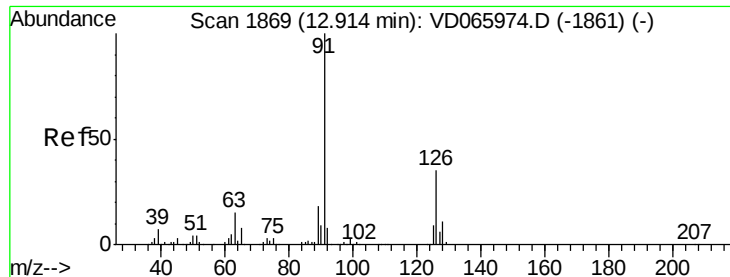
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 50.467 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 432406

Ion Ratio Lower Upper

91 100

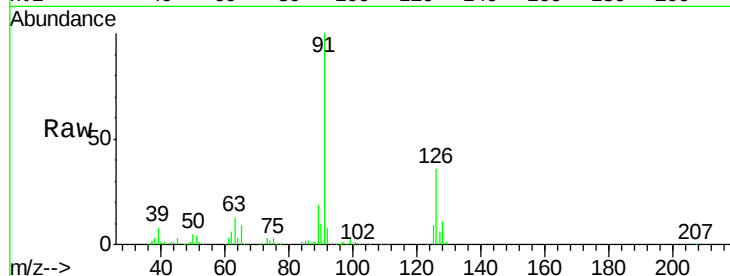
126 36.4 17.7 53.1

Manual Integrations

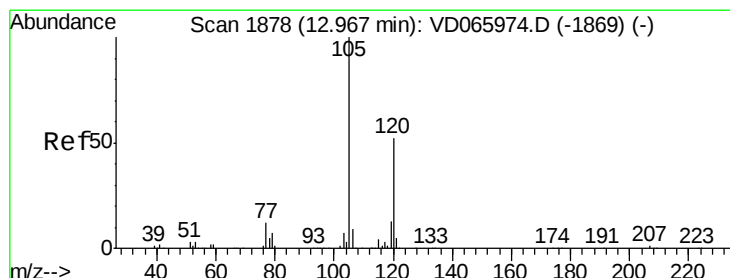
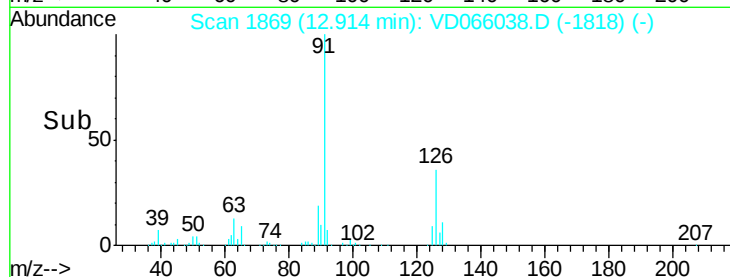
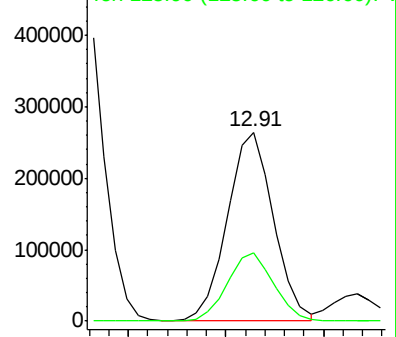
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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.667 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066038.D

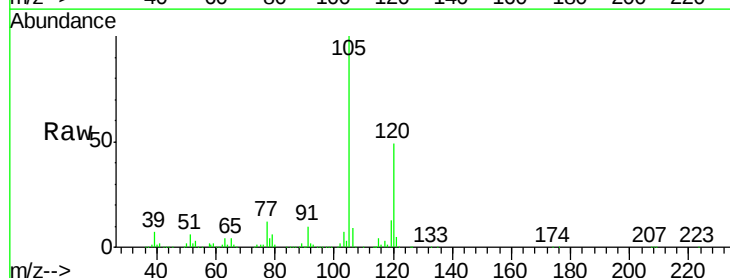
Acq: 24 Jul 2020 10:51

Tgt Ion: 105 Resp: 569851

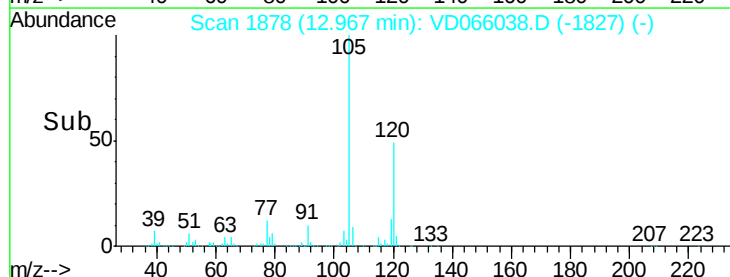
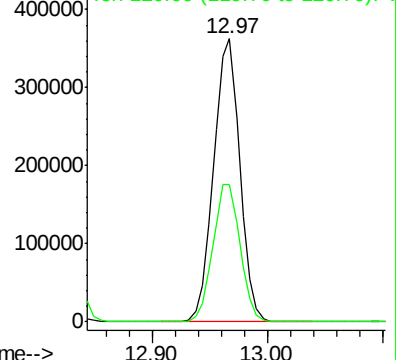
Ion Ratio Lower Upper

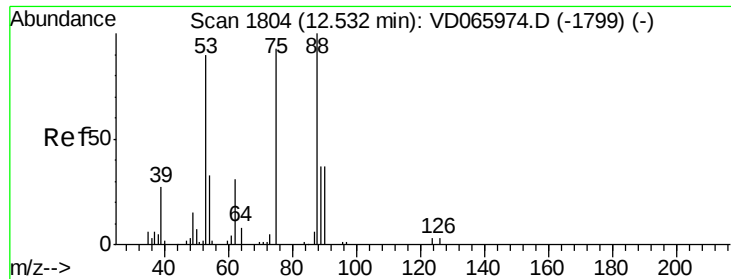
105 100

120 50.5 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)





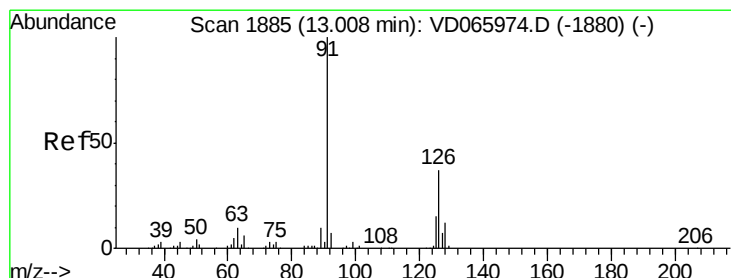
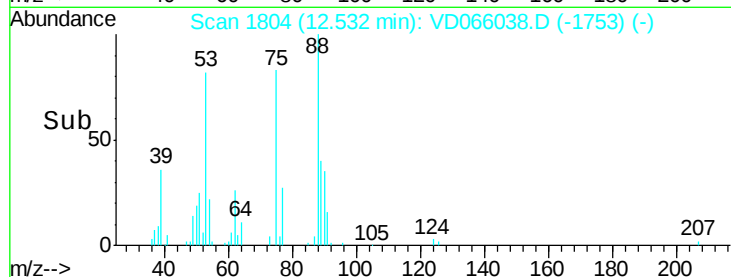
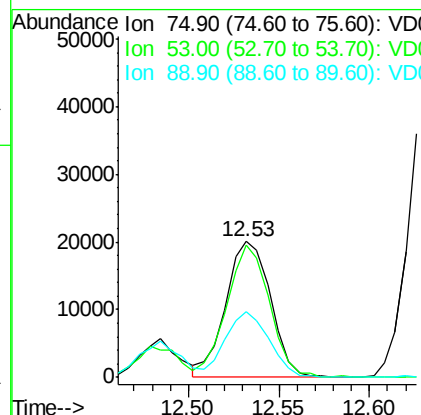
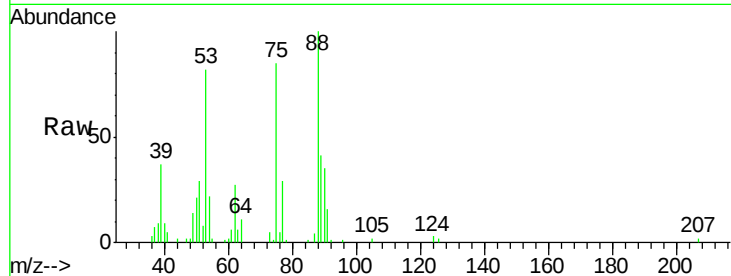
#81
trans-1,4-Dichloro-2-butene
Concen: 49.159 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	76.8	115.2
89	46.7	37.0	55.4

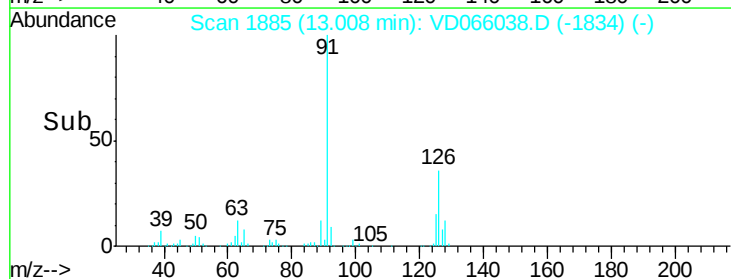
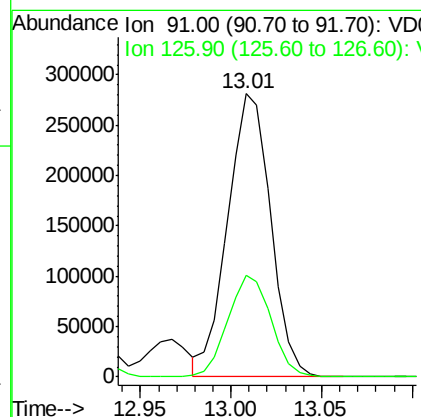
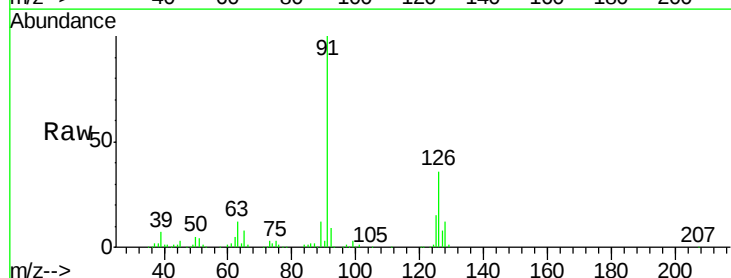
Manual Integrations
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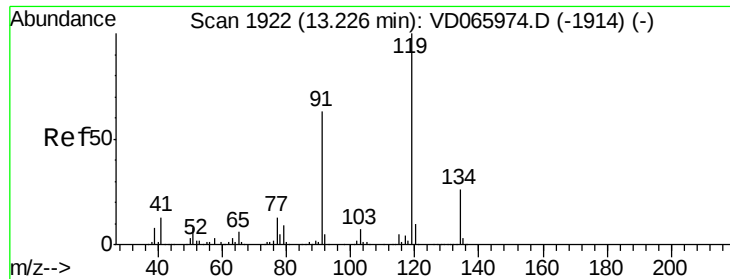
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#82
4-Chlorotoluene
Concen: 51.184 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.5





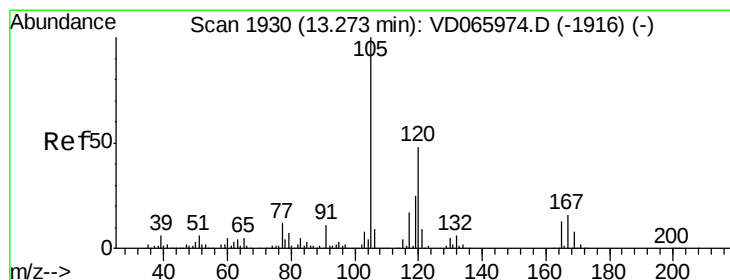
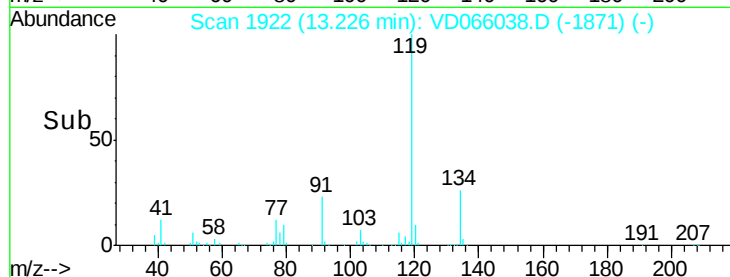
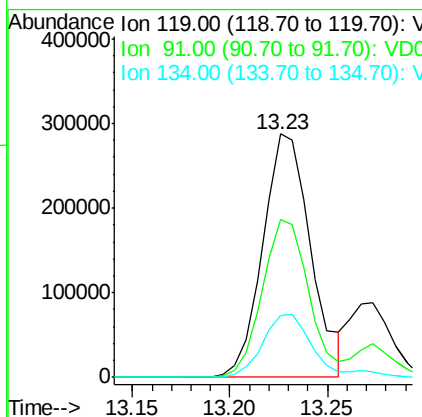
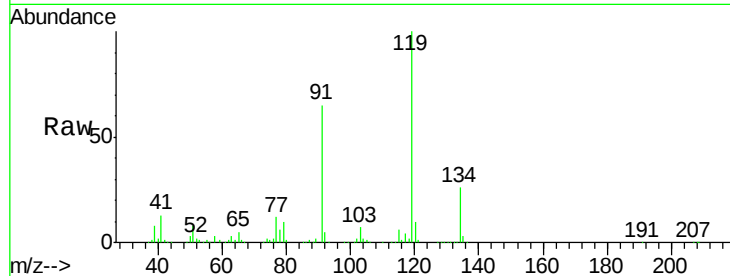
#83
tert-Butylbenzene
Concen: 52.884 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	491380		
91	62.4	30.6	91.6	
134	25.9	13.9	41.7	

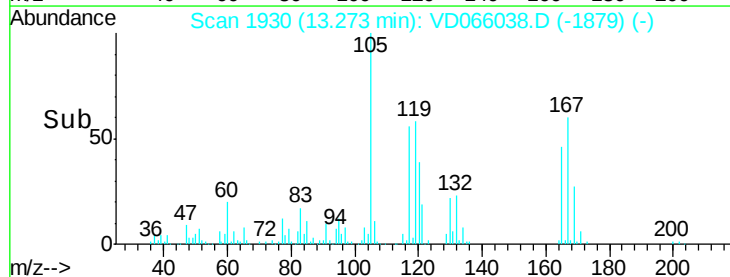
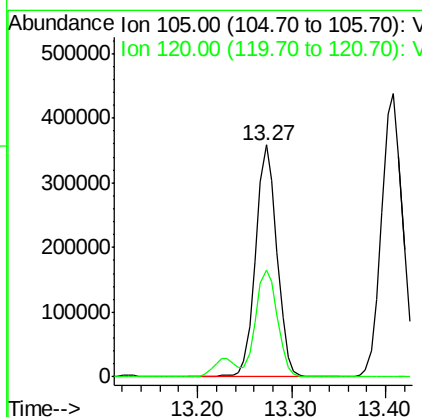
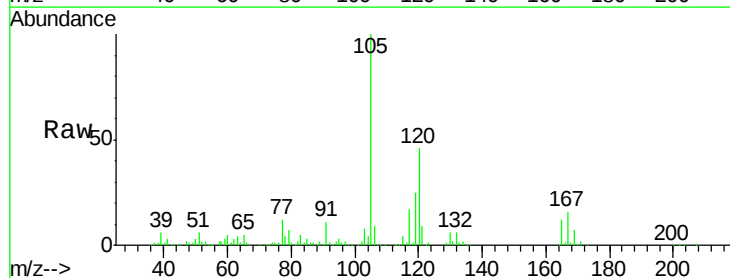
Manual Integrations
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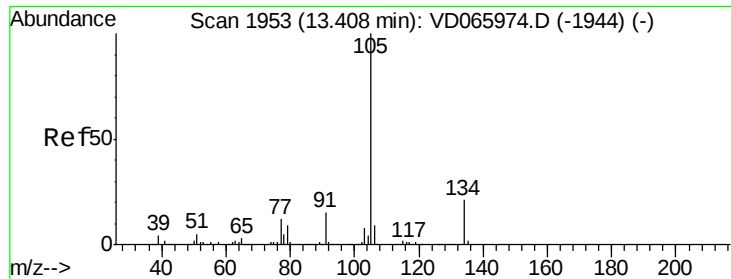
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.476 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	560204		
120	47.4	23.9	71.8	





#85

sec-Butylbenzene

Concen: 53.296 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 682099

Ion Ratio Lower Upper

105 100

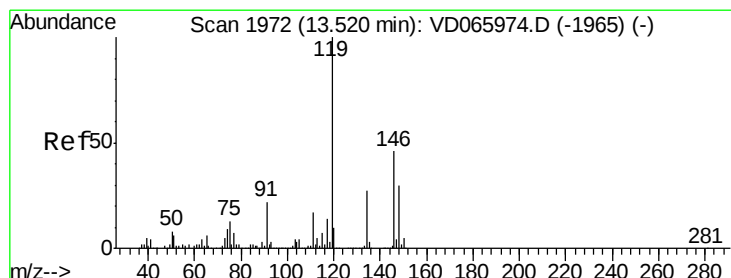
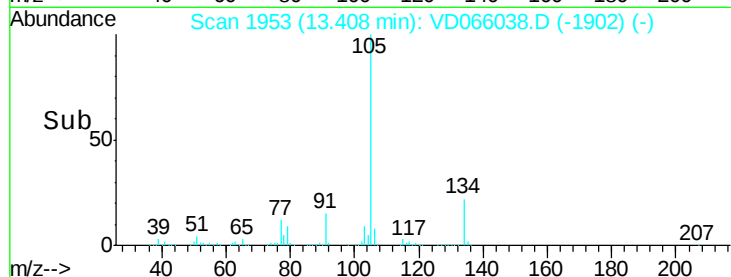
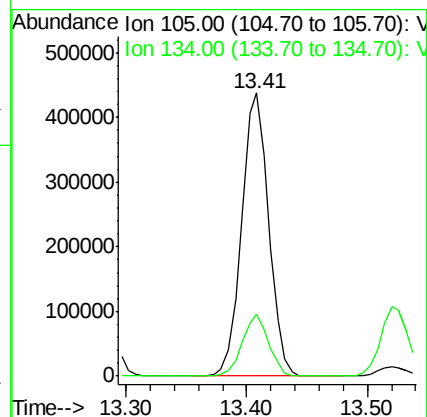
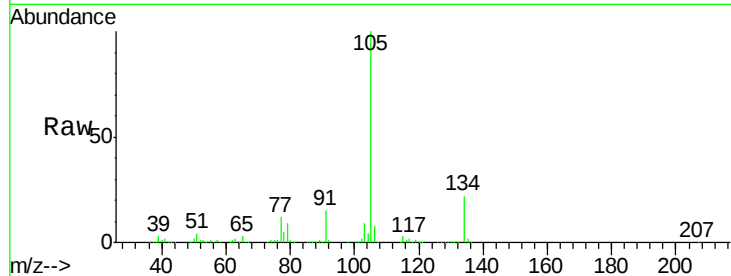
134 21.1 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.334 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066038.D

Acq: 24 Jul 2020 10:51

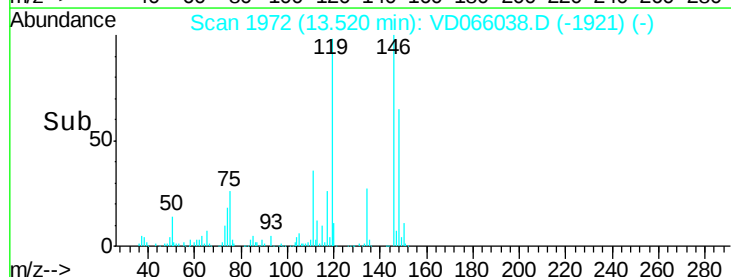
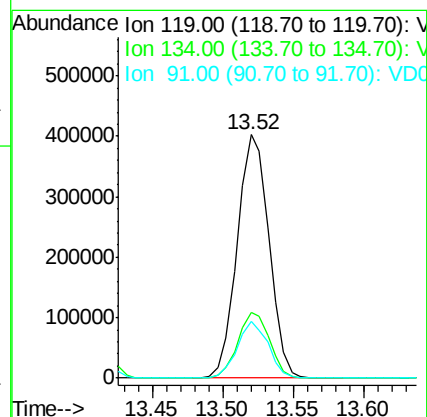
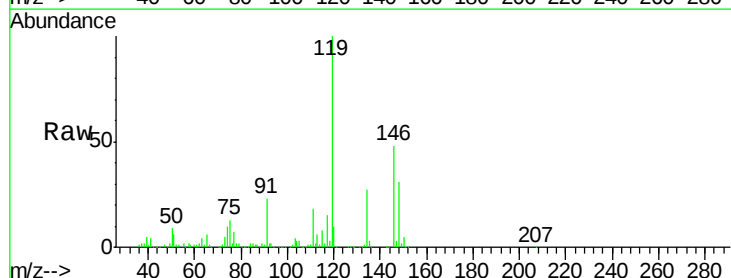
Tgt Ion:119 Resp: 631748

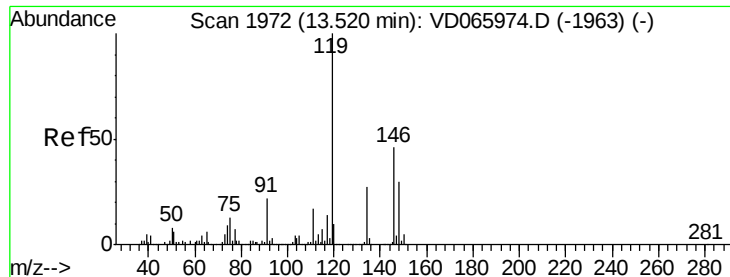
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.7 11.1 33.3





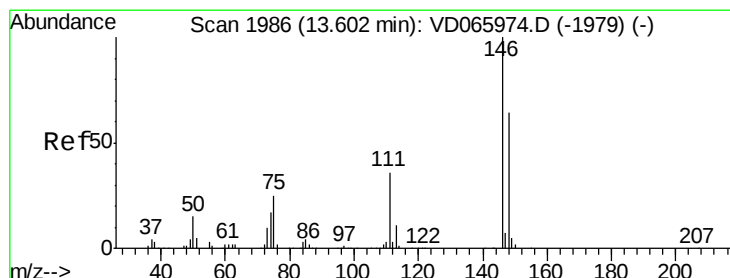
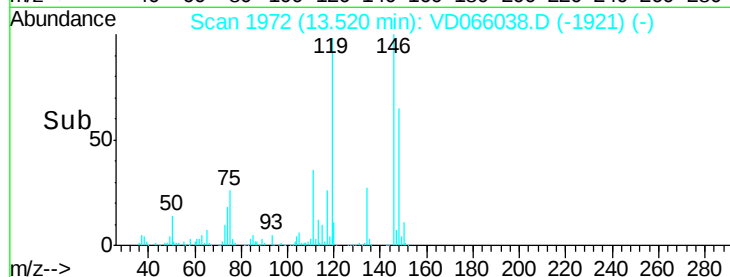
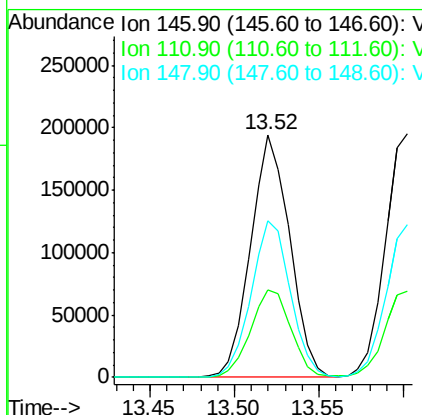
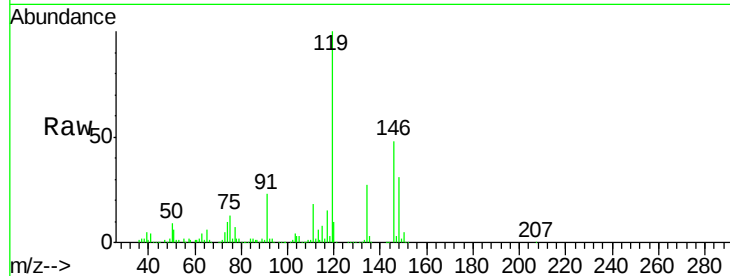
#87
 1,3-Dichlorobenzene
 Concen: 51.108 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	313415		
111	37.3	18.6	55.6	
148	64.8	32.4	97.0	

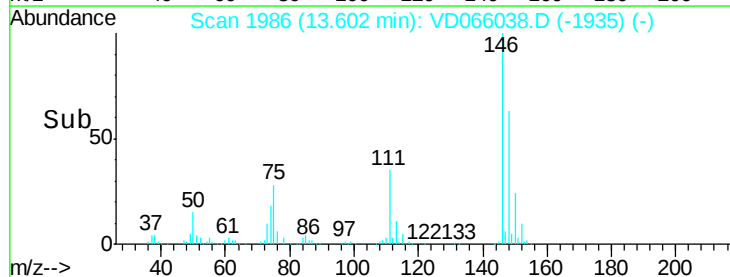
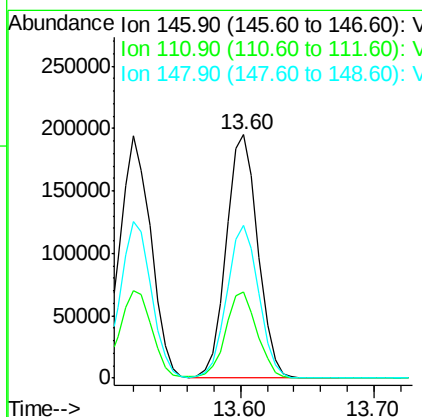
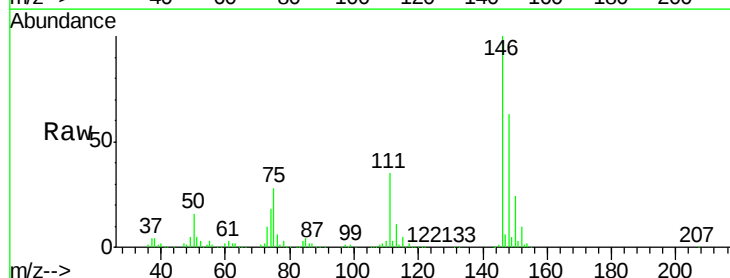
Manual Integrations
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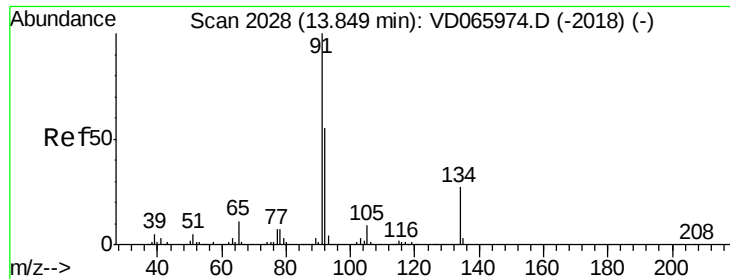
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#88
 1,4-Dichlorobenzene
 Concen: 52.080 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	322864		
111	35.4	18.8	56.4	
148	63.1	32.2	96.6	





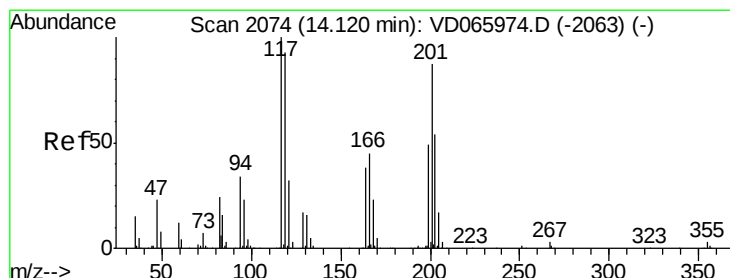
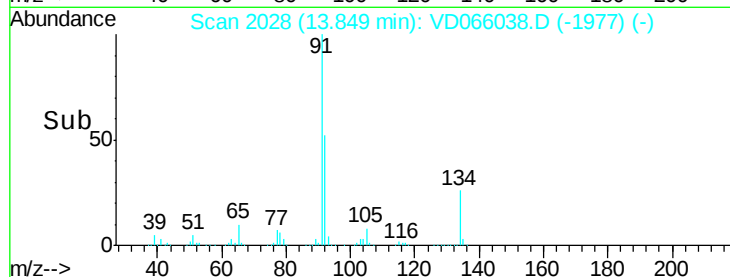
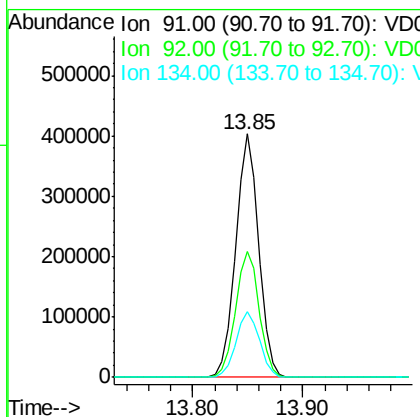
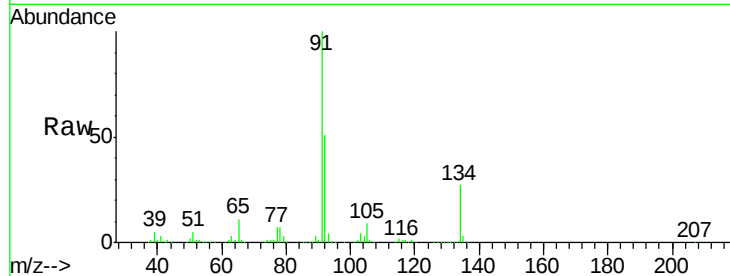
#89
n-Butylbenzene
Concen: 54.429 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.2	81.6
134	27.8	13.8	41.4

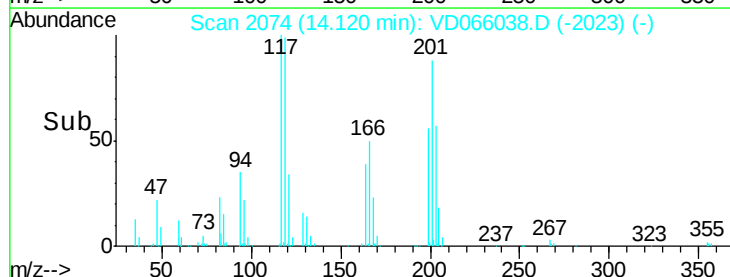
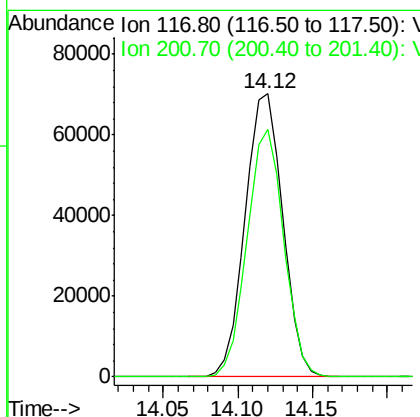
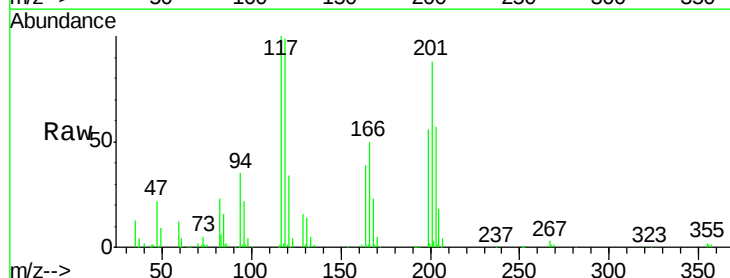
Manual Integrations
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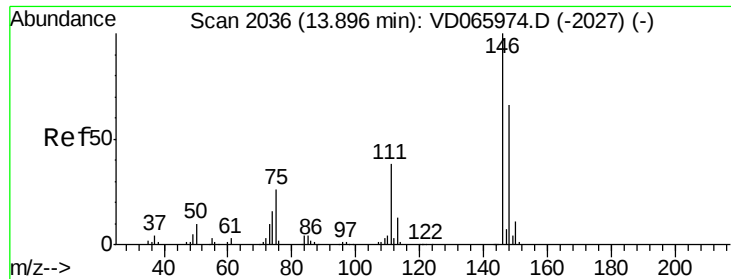
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#90
Hexachloroethane
Concen: 50.999 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	42.0	126.1





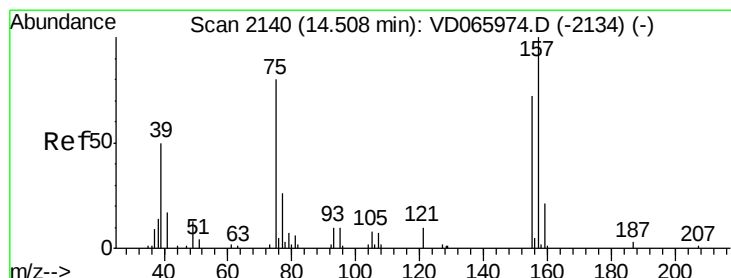
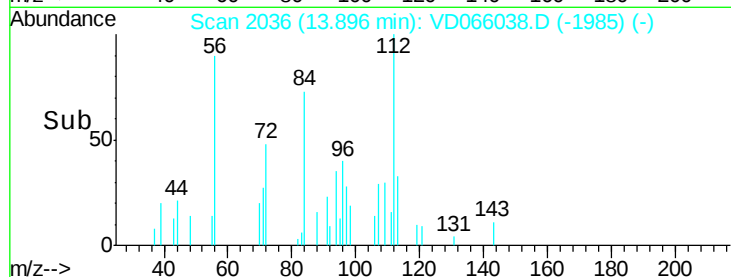
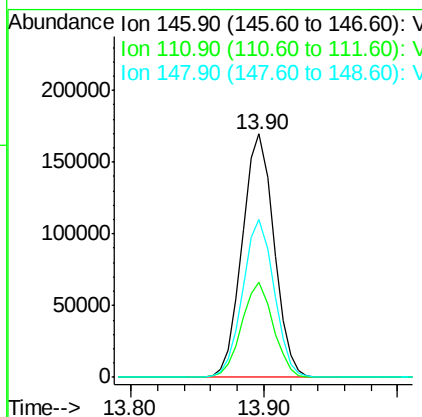
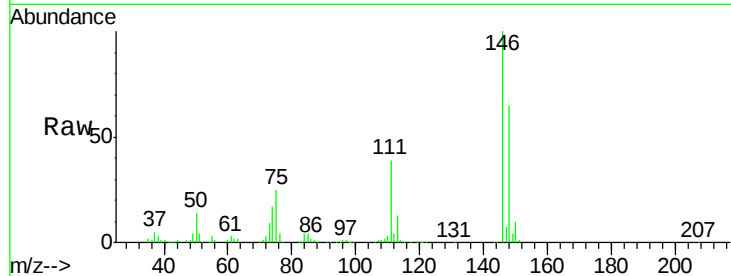
#91
1,2-Dichlorobenzene
Concen: 52.474 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	64.3	32.7	98.1

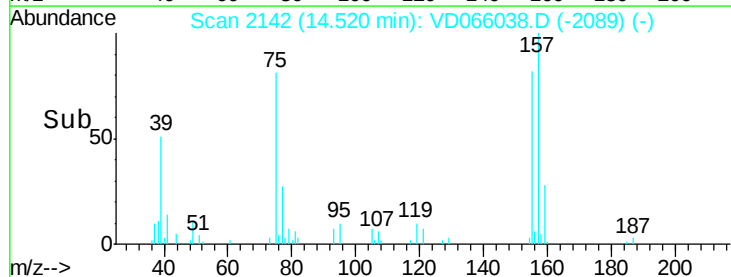
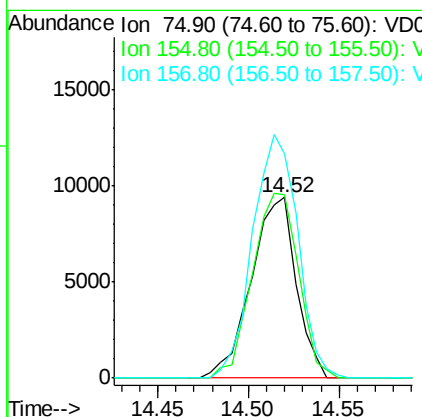
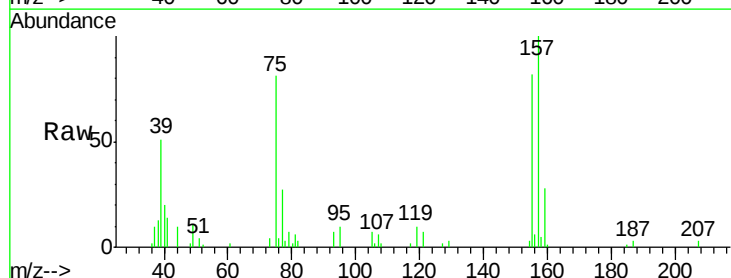
Manual Integrations
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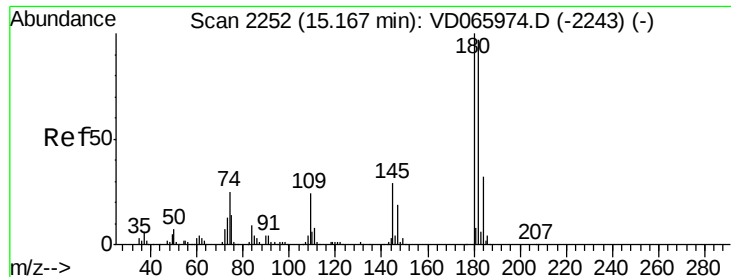
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 46.438 ug/l
RT: 14.52 min Scan# 2142
Delta R.T. 0.01 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	48.5	145.5
157	134.6	64.7	194.1





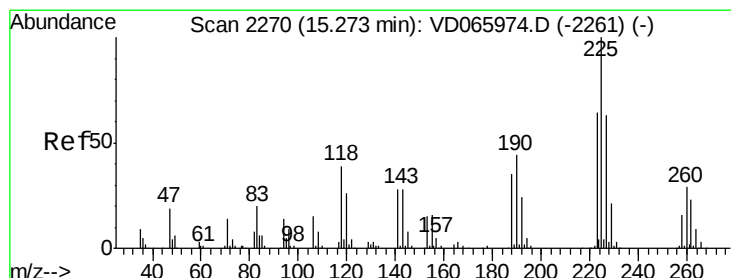
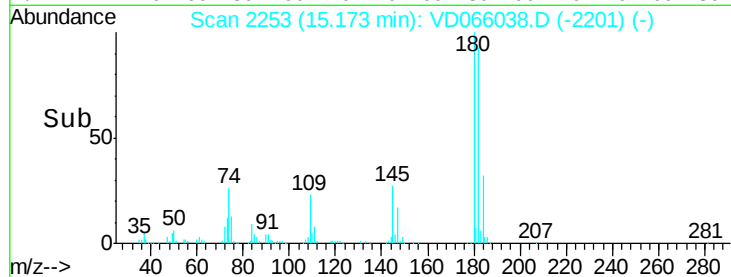
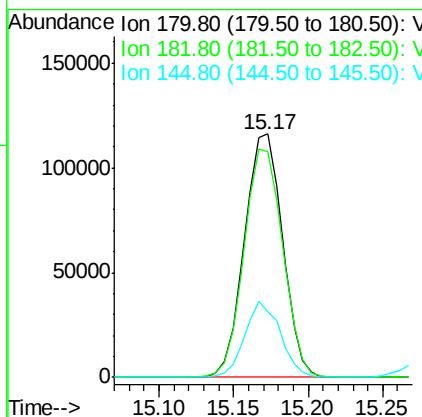
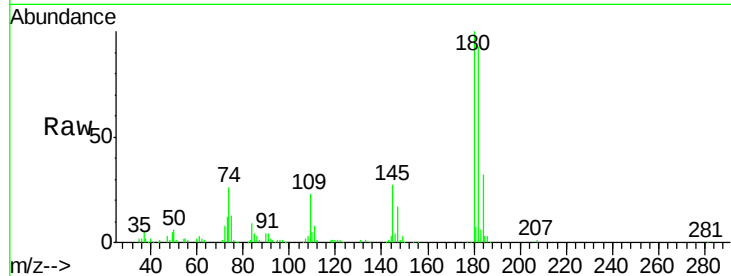
#93
 1,2,4-Trichlorobenzene
 Concen: 53.985 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205914		
182	95.2	48.1	144.3	
145	29.2	14.7	44.1	

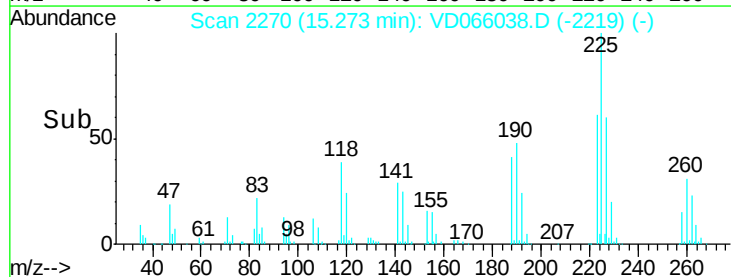
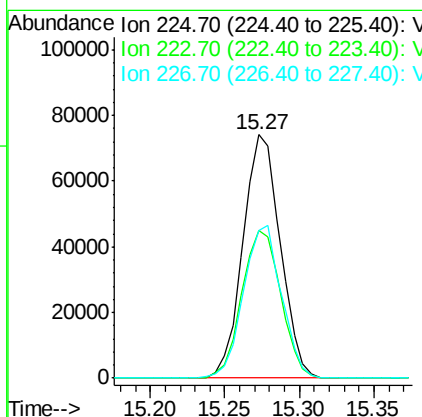
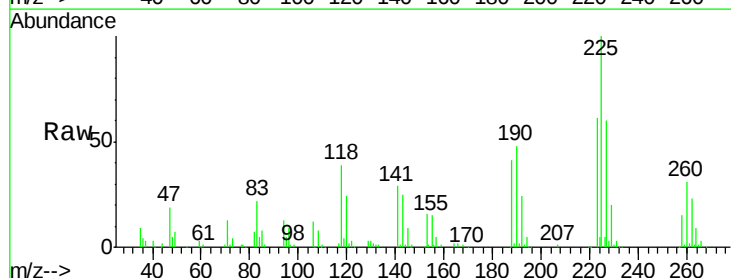
Manual Integrations
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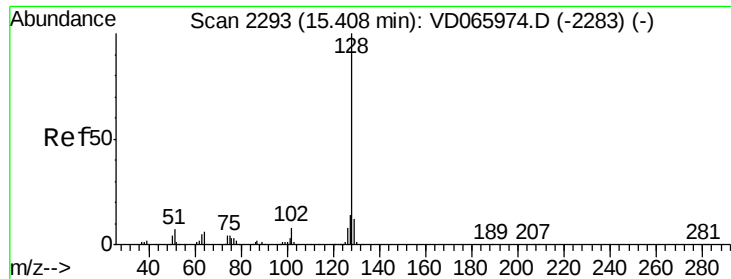
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#94
 Hexachlorobutadiene
 Concen: 54.375 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066038.D
 Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128224		
223	63.3	31.2	93.6	
227	63.4	31.6	94.8	





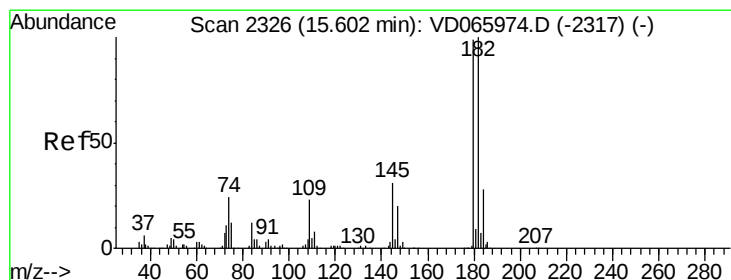
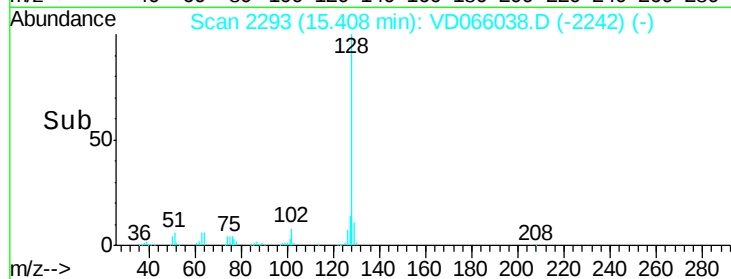
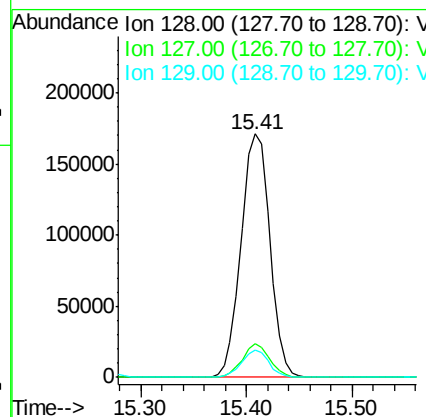
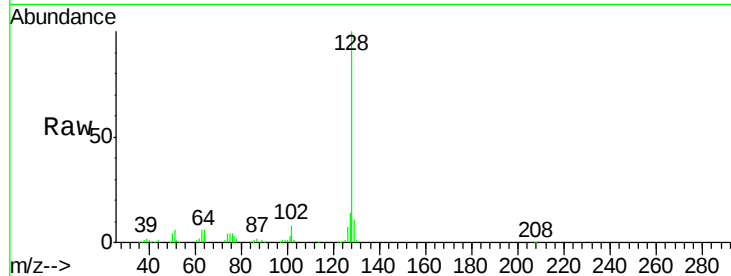
#95
Naphthalene
Concen: 47.913 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.5	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.169 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066038.D
Acq: 24 Jul 2020 10:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.6
145	31.2	15.4	46.2

