

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066574.D
 Acq On : 09 Sep 2020 11:00
 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
 9/10/2020 10:46:45 AM

Quant Time: Sep 09 14:10:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	417944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	670647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	604853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	255513	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
35) Dibromofluoromethane	7.91	113	231393	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
50) Toluene-d8	10.34	98	862882	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.63	95	289728	54.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	160440	46.187	ug/l	92
3) Chloromethane	2.21	50	217920	41.230	ug/l	97
4) Vinyl Chloride	2.35	62	251099	42.833	ug/l	98
5) Bromomethane	2.77	94	179252	48.203	ug/l #	80
6) Chloroethane	2.92	64	164550	44.192	ug/l	100
7) Trichlorofluoromethane	3.27	101	367257	42.408	ug/l	100
8) Diethyl Ether	3.71	74	90940	41.701	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	197787	42.199	ug/l	100
10) Methyl Iodide	4.30	142	181070	42.969	ug/l	98
11) Tert butyl alcohol	5.22	59	63305	189.082	ug/l	97
12) 1,1-Dichloroethene	4.07	96	181415	43.083	ug/l	99
13) Acrolein	3.92	56	71407	345.359	ug/l	96
14) Allyl chloride	4.71	41	297561	43.118	ug/l	98
15) Acrylonitrile	5.42	53	202602	216.272	ug/l	100
16) Acetone	4.16	43	264966	284.780	ug/l	96
17) Carbon Disulfide	4.41	76	560432	40.486	ug/l	100
18) Methyl Acetate	4.71	43	90068	40.609	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	451762	45.750	ug/l	100
20) Methylene Chloride	4.97	84	210059	40.119	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	212412	42.480	ug/l	96
22) Diisopropyl ether	6.36	45	618754	43.601	ug/l	97
23) Vinyl Acetate	6.30	43	1843939	228.327	ug/l	100
24) 1,1-Dichloroethane	6.27	63	378454	42.407	ug/l	98
25) 2-Butanone	7.21	43	286533	229.412	ug/l	99
26) 2,2-Dichloropropane	7.20	77	367402	44.881	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	231606	43.072	ug/l	97
28) Bromochloromethane	7.55	49	166093	48.342	ug/l	97
29) Tetrahydrofuran	7.56	42	166399	213.919	ug/l	99
30) Chloroform	7.71	83	403511	42.739	ug/l	98
31) Cyclohexane	7.98	56	333872	40.472	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	378948	42.690	ug/l	98
36) 1,1-Dichloropropene	8.11	75	307978	44.127	ug/l	100
37) Ethyl Acetate	7.28	43	123977	44.609	ug/l #	94
38) Carbon Tetrachloride	8.09	117	345284	46.805	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	370079	47.485	ug/l	98
40) Benzene	8.34	78	827536	43.292	ug/l	97
41) Methacrylonitrile	7.52	41	78896	58.646	ug/l	87
42) 1,2-Dichloroethane	8.42	62	270679	43.705	ug/l	99
43) Isopropyl Acetate	8.45	43	237635	44.618	ug/l	99
44) Trichloroethene	9.11	130	224984	44.871	ug/l	94
45) 1,2-Dichloropropane	9.38	63	209926	43.670	ug/l	95
46) Dibromomethane	9.47	93	116666	43.990	ug/l	96
47) Bromodichloromethane	9.66	83	315699	43.998	ug/l	97
48) Methyl methacrylate	9.45	41	128881	47.856	ug/l	95
49) 1,4-Dioxane	9.46	88	27519	945.807	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	609940	227.078	ug/l	98
52) Toluene	10.40	92	539646	44.599	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	294515	46.496	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	343416	45.147	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	152339	44.675	ug/l	96
56) Ethyl methacrylate	10.66	69	187465	47.216	ug/l #	94
57) 1,3-Dichloropropane	10.94	76	264416	44.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	454089	250.046	ug/l	98
59) 2-Hexanone	10.98	43	449206	248.687	ug/l	99
60) Dibromochloromethane	11.14	129	208707	46.285	ug/l	98
61) 1,2-Dibromoethane	11.24	107	148239	44.684	ug/l	100
64) Tetrachloroethene	10.87	164	179247	44.014	ug/l	98
65) Chlorobenzene	11.67	112	557808	44.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	213880	44.891	ug/l	99
67) Ethyl Benzene	11.74	91	1060490	46.264	ug/l	99
68) m/p-Xylenes	11.86	106	787403	92.514	ug/l	96
69) o-Xylene	12.18	106	357738	46.900	ug/l	99
70) Styrene	12.20	104	612318	46.175	ug/l	97
71) Bromoform	12.36	173	110878	46.178	ug/l #	97
73) Isopropylbenzene	12.48	105	1016195	49.585	ug/l	98
74) N-amyl acetate	12.29	43	221166	47.648	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	164081	45.318	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	134696m	50.598	ug/l	
77) Bromobenzene	12.76	156	215489	47.163	ug/l	99
78) n-propylbenzene	12.82	91	1210805	48.736	ug/l	99
79) 2-Chlorotoluene	12.91	91	673707	48.338	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	842633	48.850	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	54864	48.115	ug/l	98
82) 4-Chlorotoluene	13.01	91	702116	47.108	ug/l	99
83) tert-Butylbenzene	13.23	119	700038	49.697	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	850963	49.550	ug/l	96
85) sec-Butylbenzene	13.40	105	1005355	49.539	ug/l	99
86) p-Isopropyltoluene	13.52	119	917458	50.227	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	415890	45.850	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	415623	45.651	ug/l	99
89) n-Butylbenzene	13.84	91	891751	50.099	ug/l	99
90) Hexachloroethane	14.11	117	188165	47.809	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	365534	46.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28008	45.538	ug/l	94

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QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	243756	51.228	ug/l	98
94) Hexachlorobutadiene	15.27	225	140015	48.980	ug/l	96
95) Naphthalene	15.41	128	450900	54.229	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	208831	51.478	ug/l	99

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

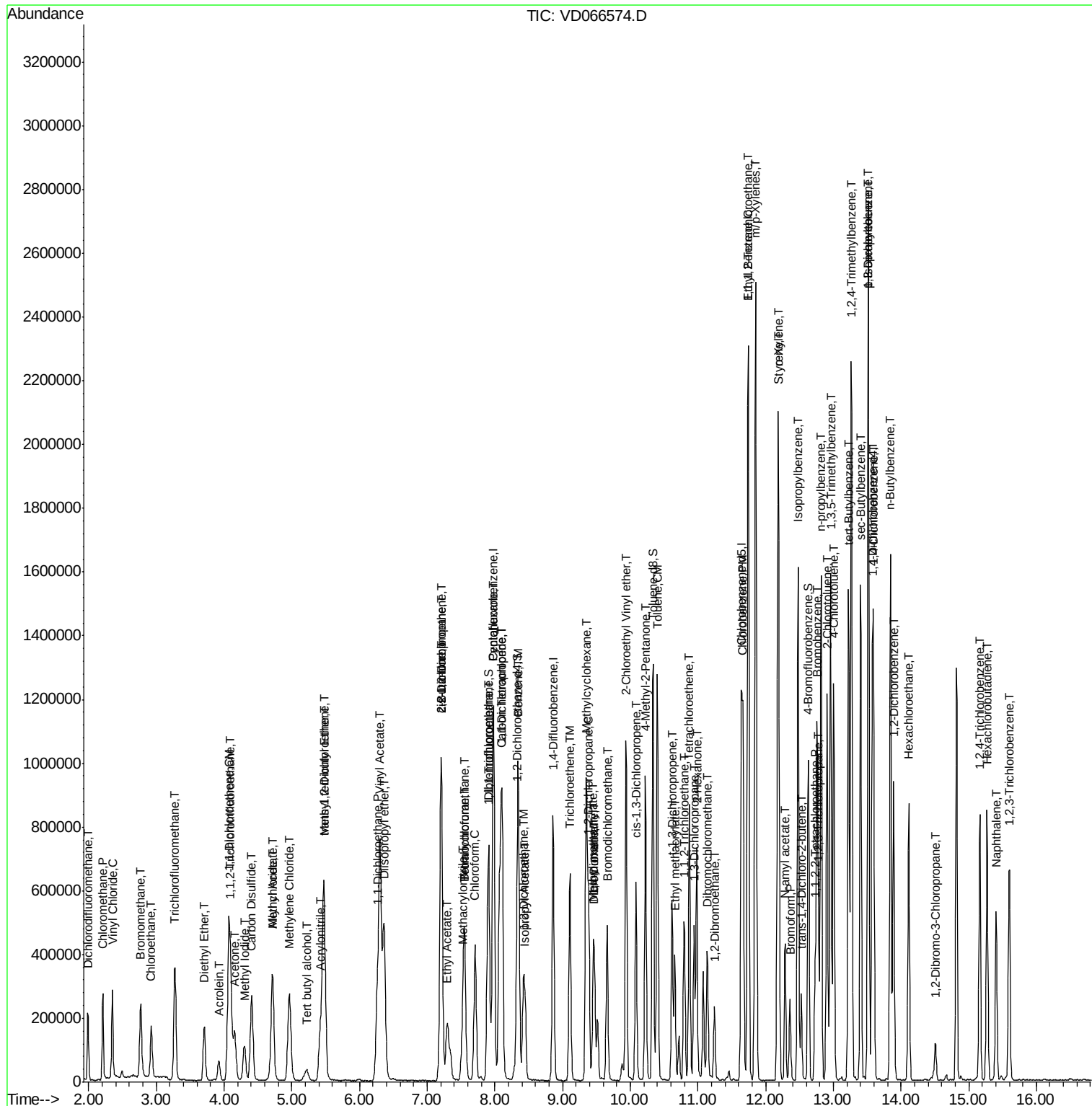
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090920\
Data File : VD066574.D
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Operator : VA/SY
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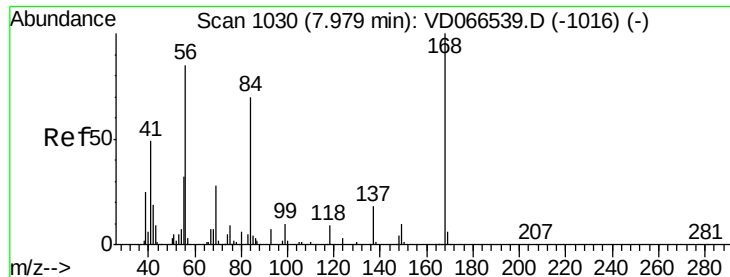
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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9/10/2020 10:46:45 AM

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 417944

Ion Ratio Lower Upper

168 100

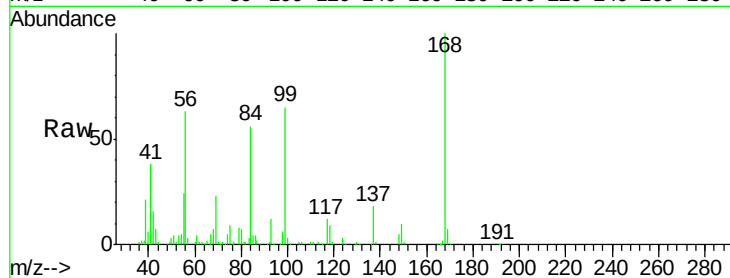
99 64.7 50.5 75.7

Manual Integrations

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9/10/2020 10:46:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

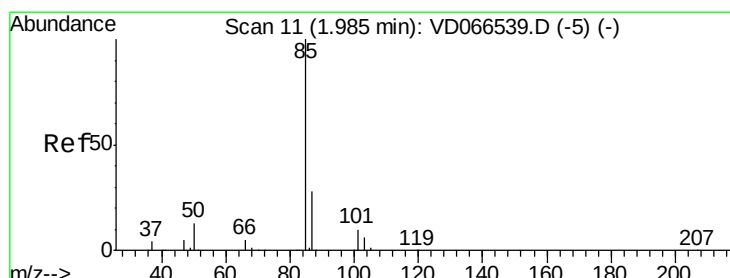
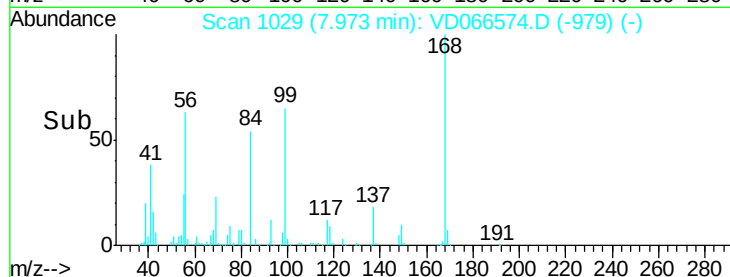
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.187 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066574.D

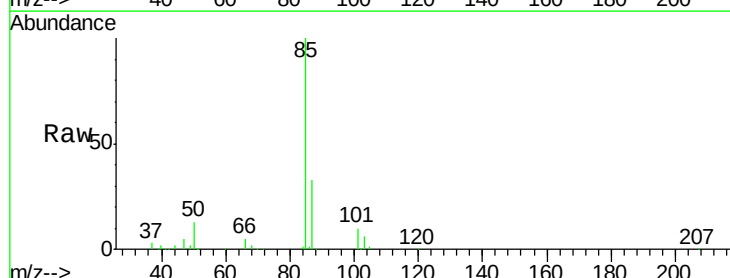
Acq: 09 Sep 2020 11:00

Tgt Ion: 85 Resp: 160440

Ion Ratio Lower Upper

85 100

87 32.5 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

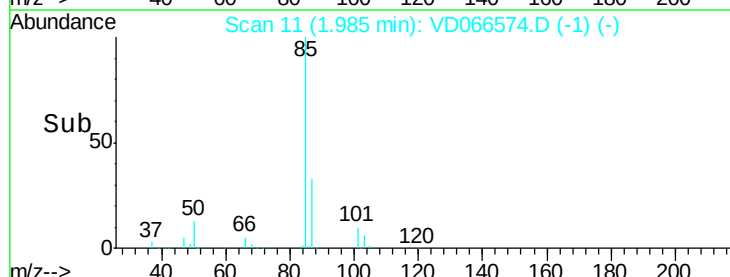
1.99

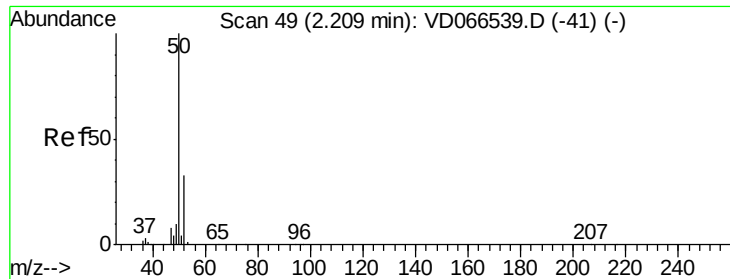
100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.230 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 217920

Ion Ratio Lower Upper

50 100

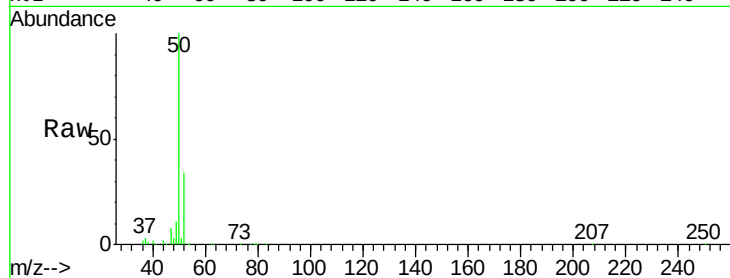
52 34.4 26.2 39.2

Manual Integrations

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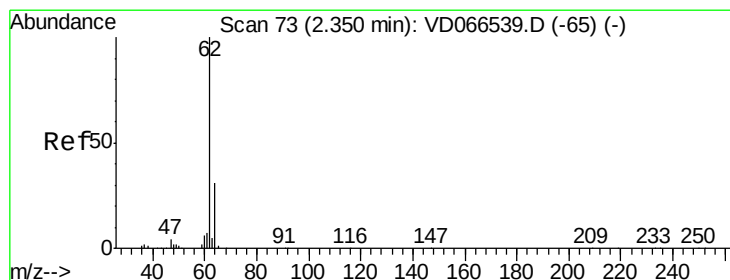
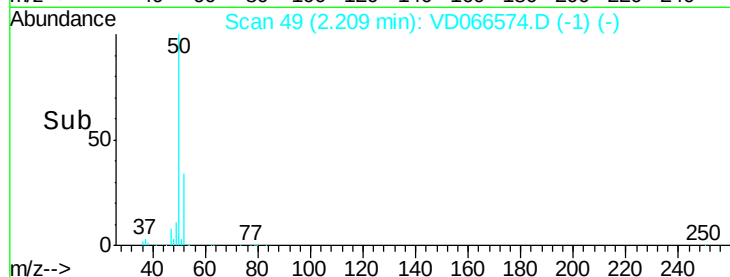
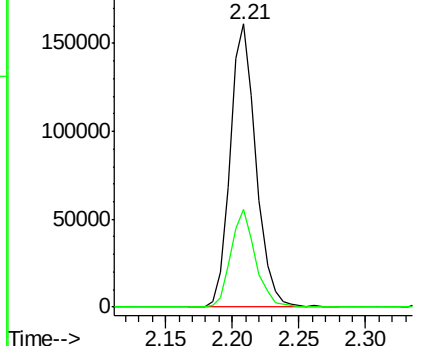
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.833 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066574.D

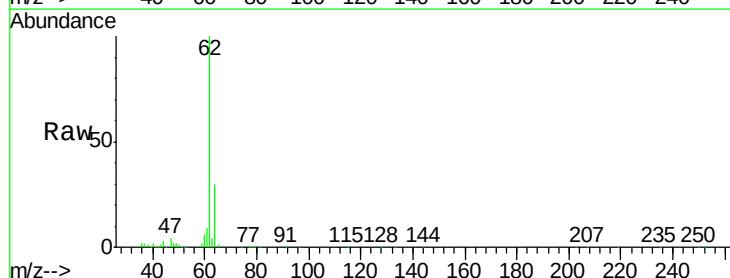
Acq: 09 Sep 2020 11:00

Tgt Ion: 62 Resp: 251099

Ion Ratio Lower Upper

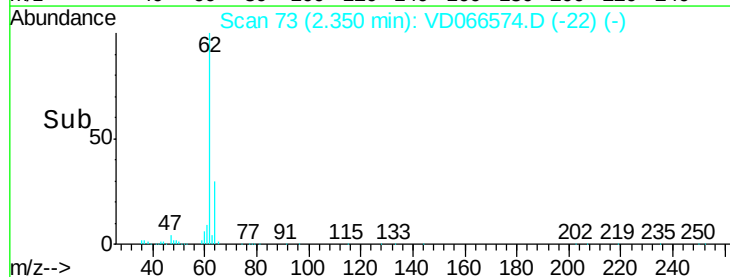
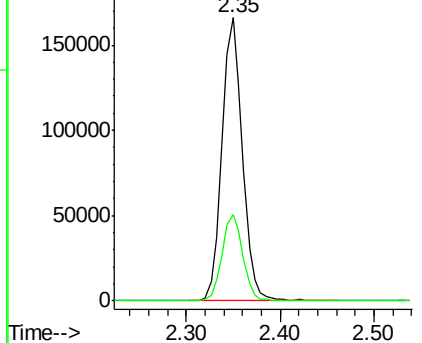
62 100

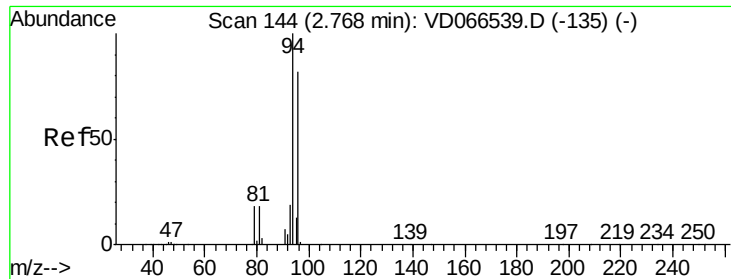
64 30.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.203 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 179252

Ion Ratio Lower Upper

94 100

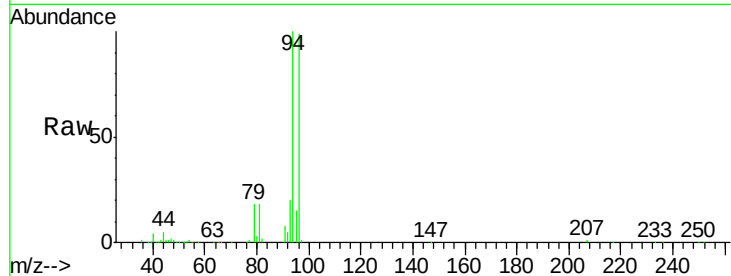
96 99.2 65.2 97.8#

Manual Integrations

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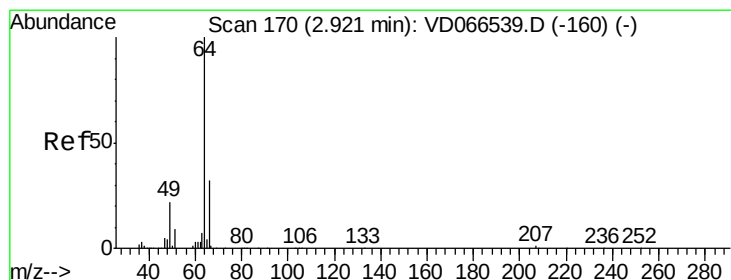
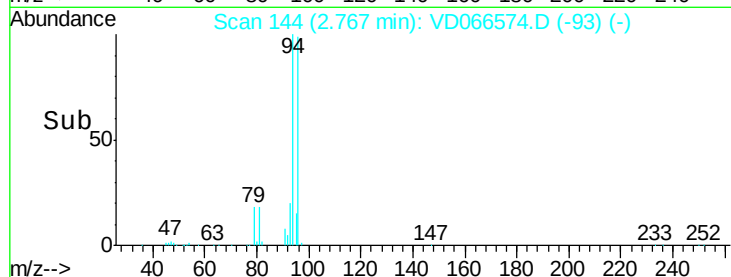
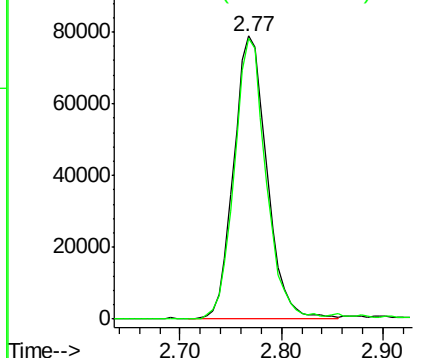
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.192 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066574.D

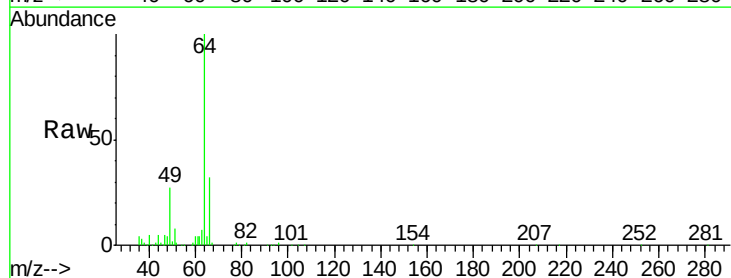
Acq: 09 Sep 2020 11:00

Tgt Ion: 64 Resp: 164550

Ion Ratio Lower Upper

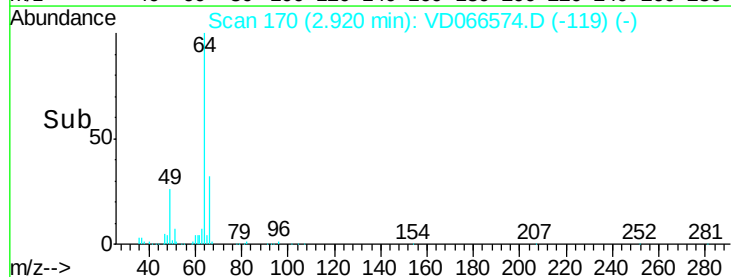
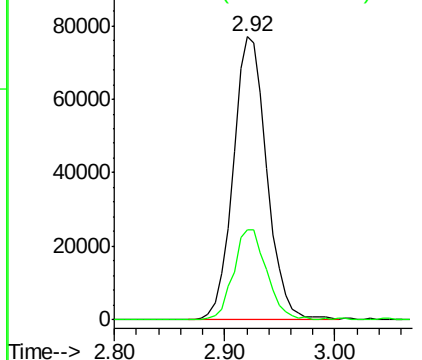
64 100

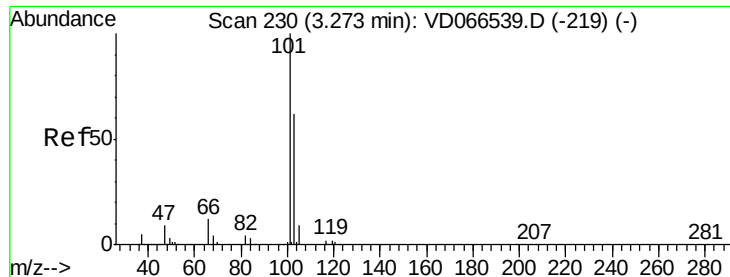
66 31.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

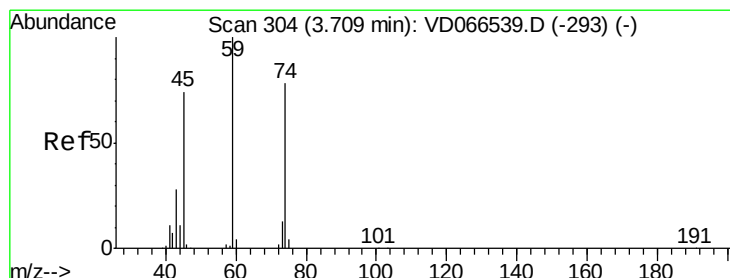
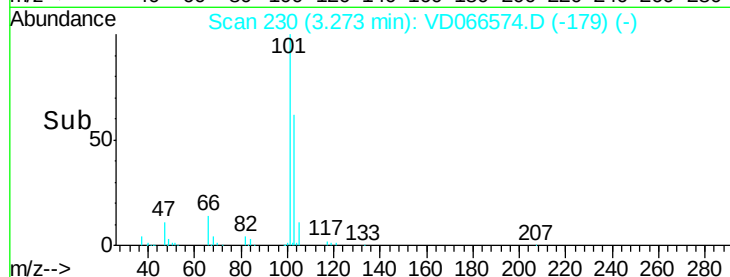
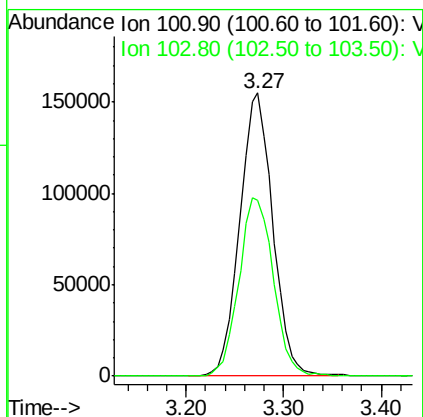
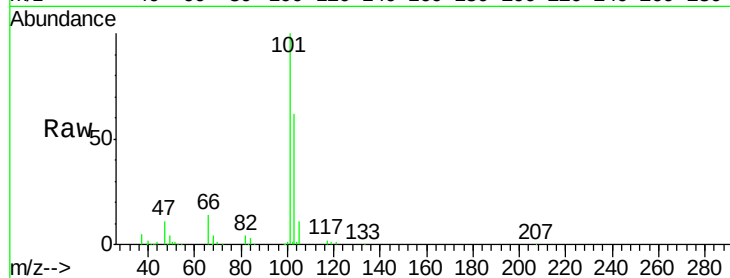
Trichlorofluoromethane
Concen: 42.408 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5

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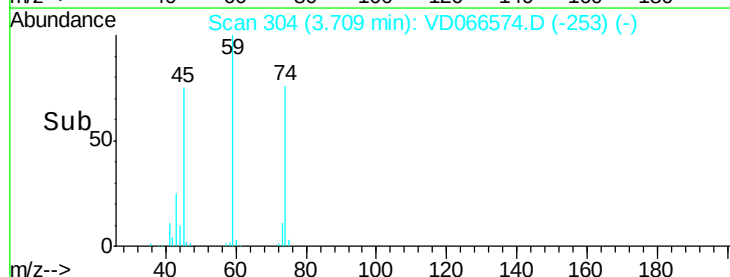
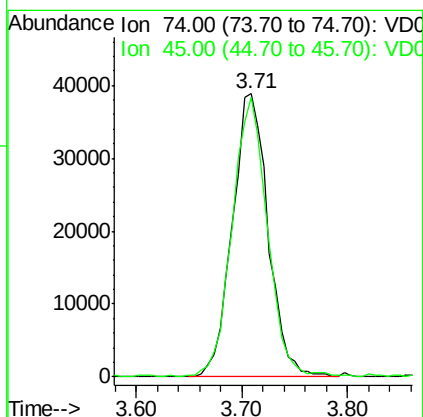
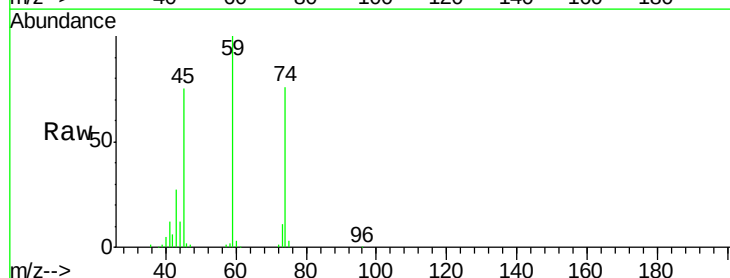
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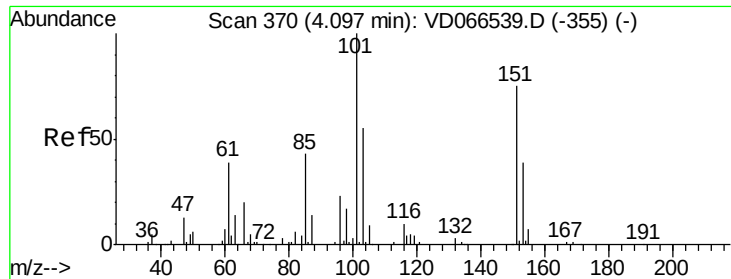


#8

Diethyl Ether
Concen: 41.701 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.199 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

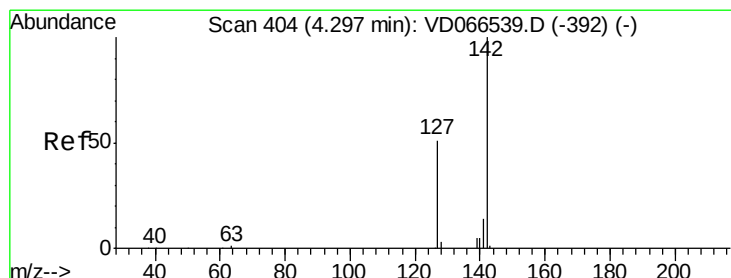
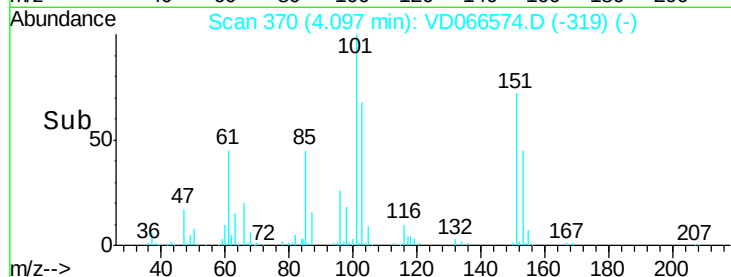
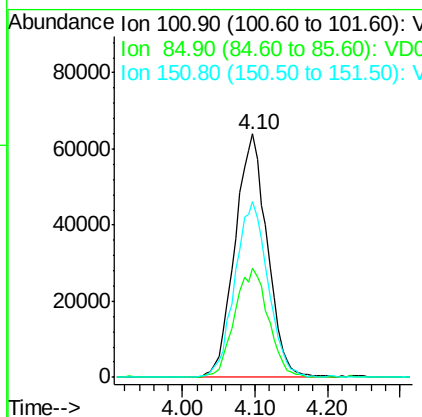
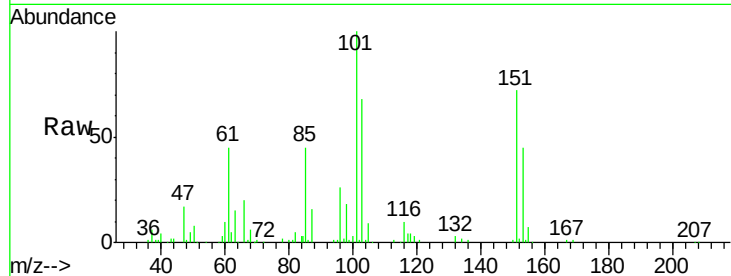
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	197787
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.0	55.6
151	74.2	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 42.969 ug/l

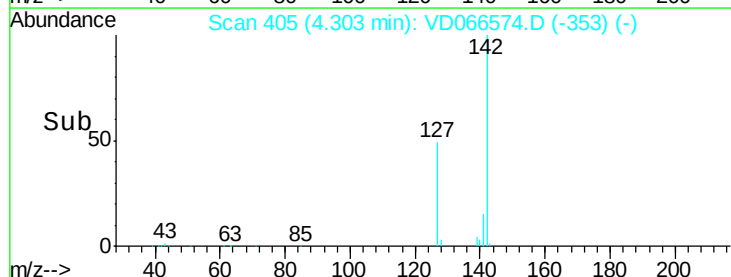
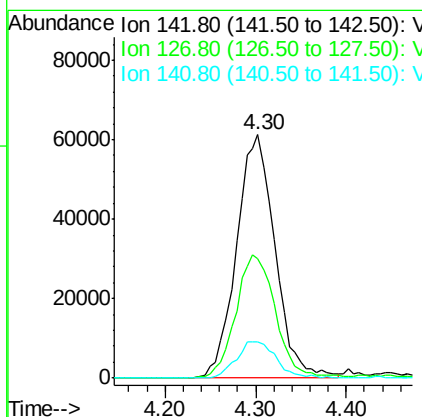
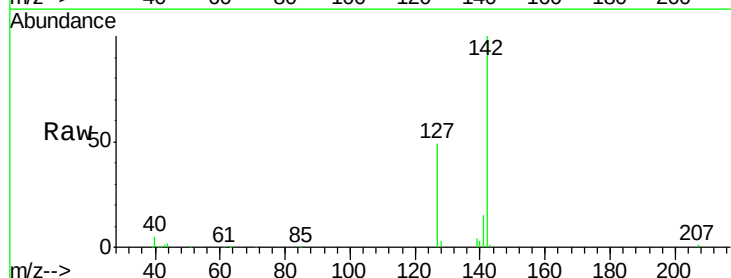
RT: 4.30 min Scan# 405

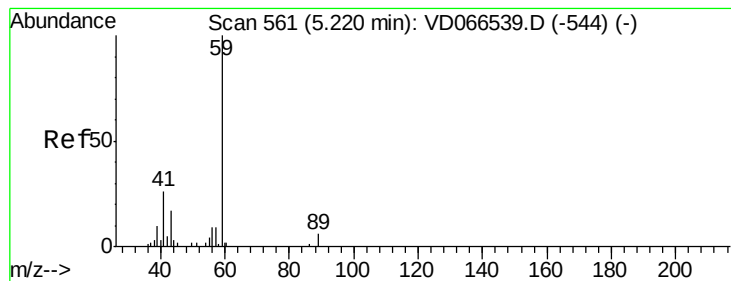
Delta R.T. 0.01 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Tgt Ion:	142	Resp:	181070
Ion Ratio	Lower	Upper	
142	100		
127	52.3	40.6	61.0
141	15.6	12.2	18.4





#11

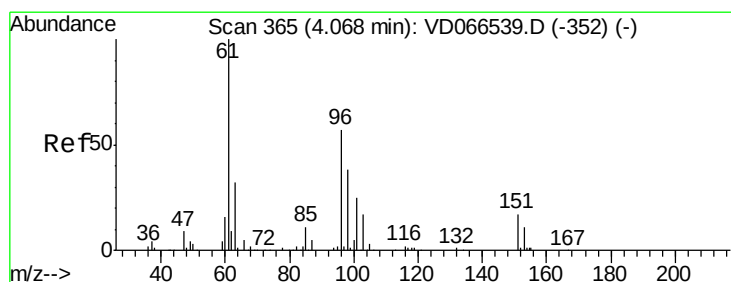
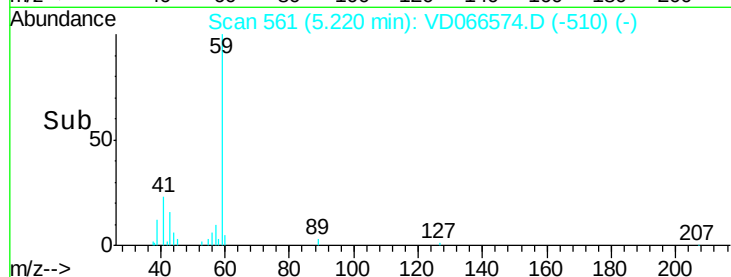
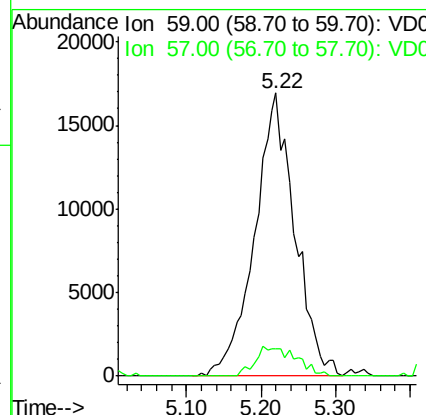
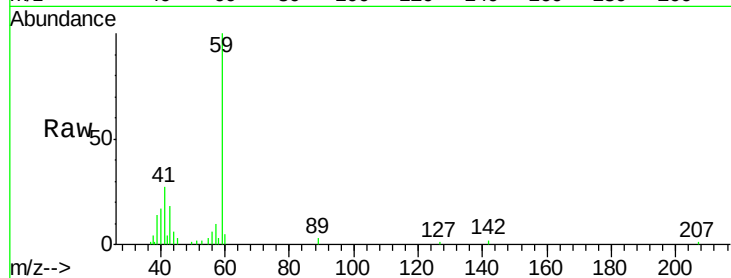
Tert butyl alcohol
Concen: 189.082 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.6	11.4

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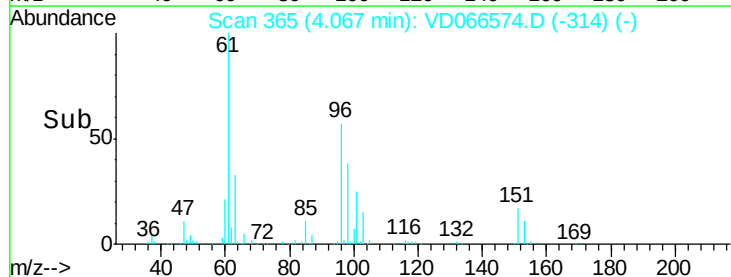
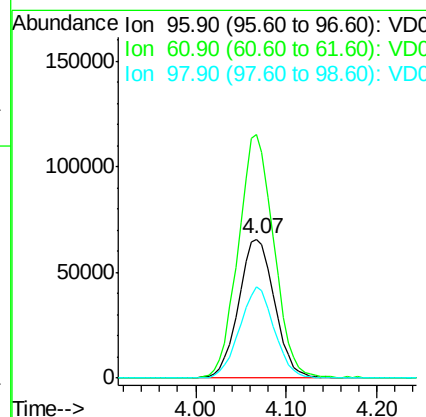
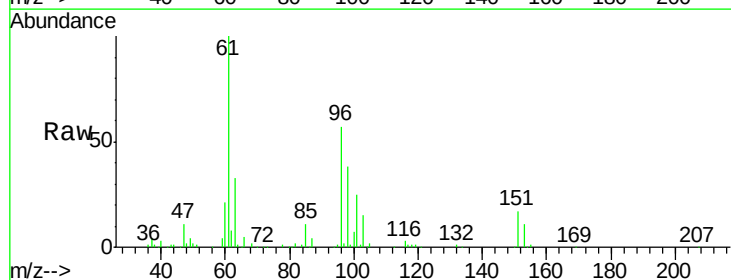
MMDadoda
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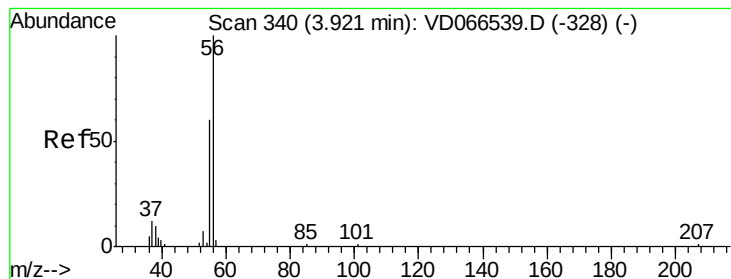


#12

1,1-Dichloroethene
Concen: 43.083 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.8	140.9	211.3
98	65.6	53.2	79.8





#13

Acrolein

Concen: 345.359 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 71407

Ion Ratio Lower Upper

56 100

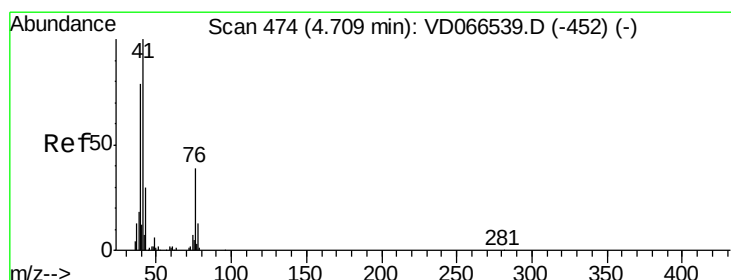
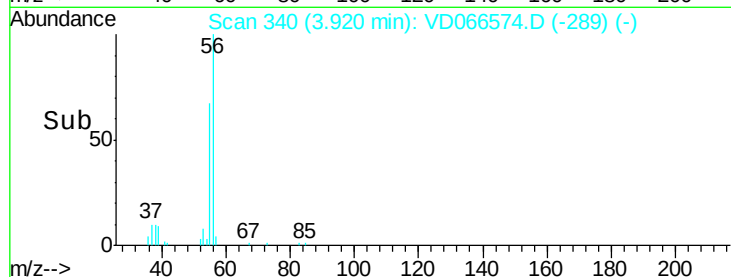
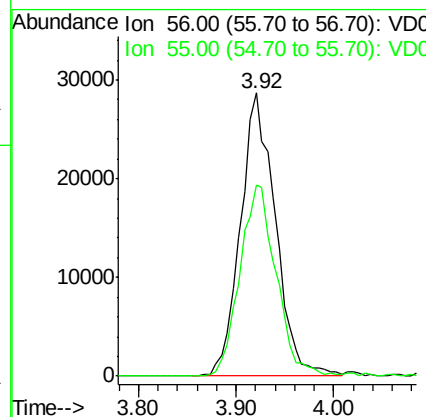
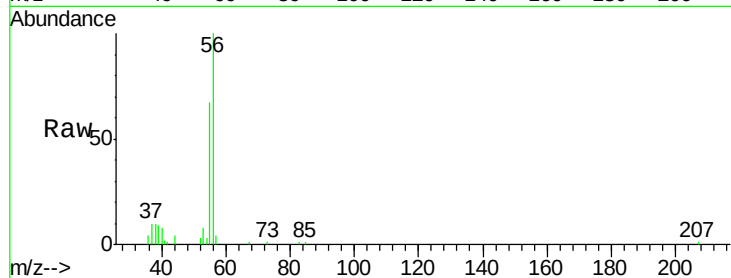
55 69.9 53.6 80.4

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 43.118 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

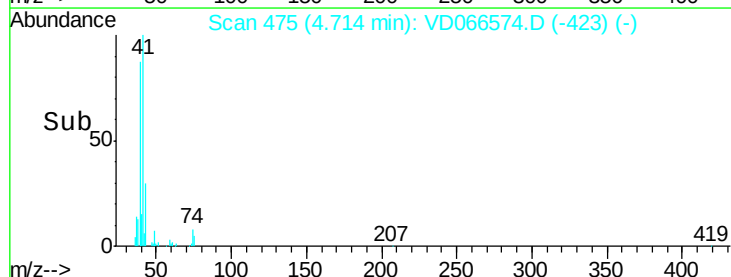
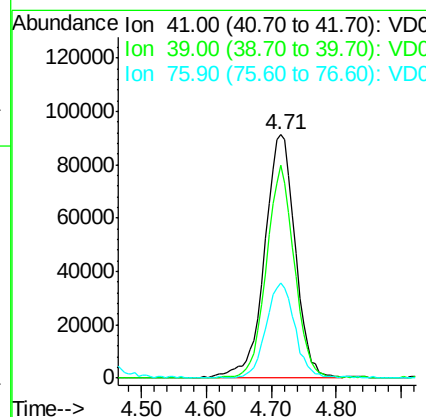
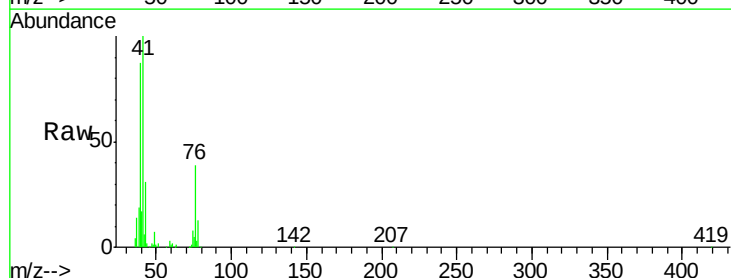
Tgt Ion: 41 Resp: 297561

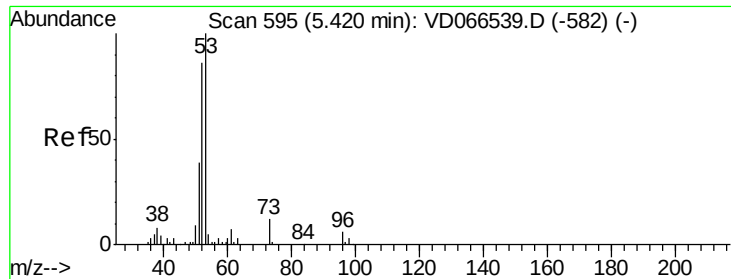
Ion Ratio Lower Upper

41 100

39 79.7 61.9 92.9

76 36.1 29.0 43.6





#15

Acrylonitrile

Concen: 216.272 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

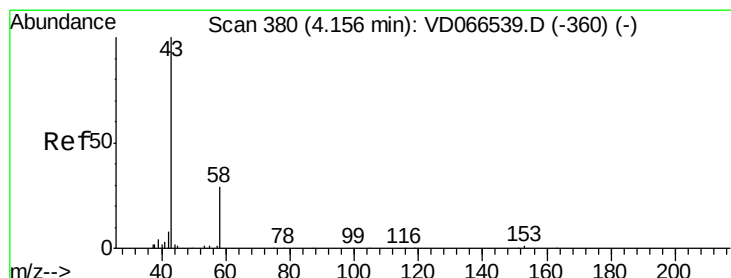
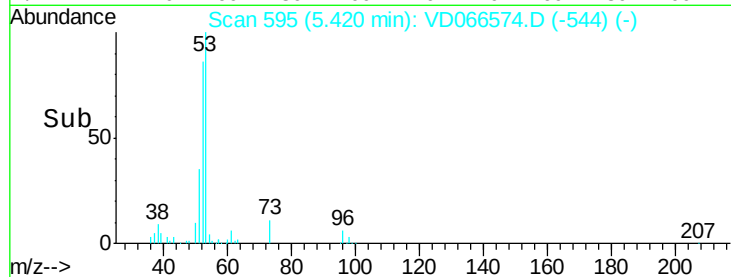
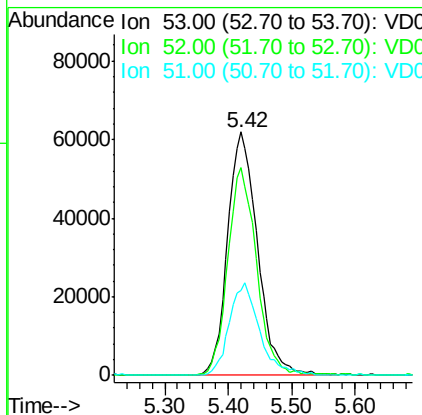
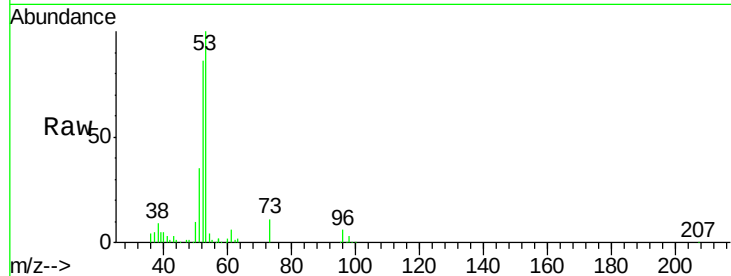
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	202602
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.4	98.2
51	38.3	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 284.780 ug/l

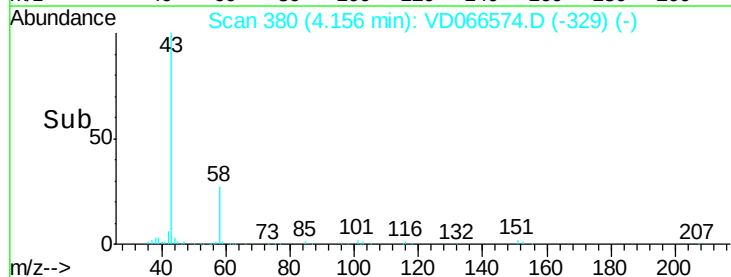
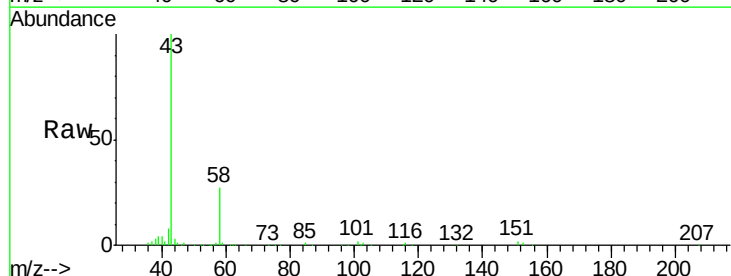
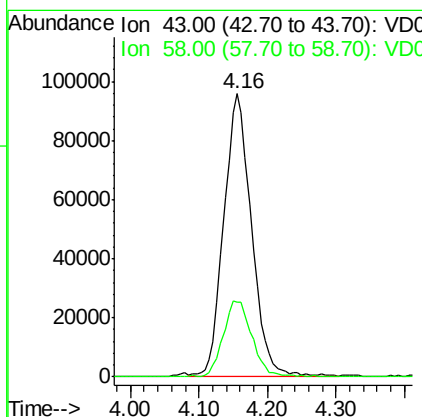
RT: 4.16 min Scan# 380

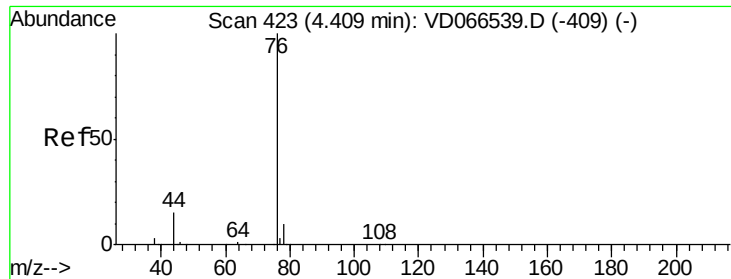
Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Tgt Ion:	43	Resp:	264966
Ion Ratio	Lower	Upper	
43	100		
58	26.7	22.9	34.3





#17

Carbon Disulfide

Concen: 40.486 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 560432

Ion Ratio Lower Upper

76 100

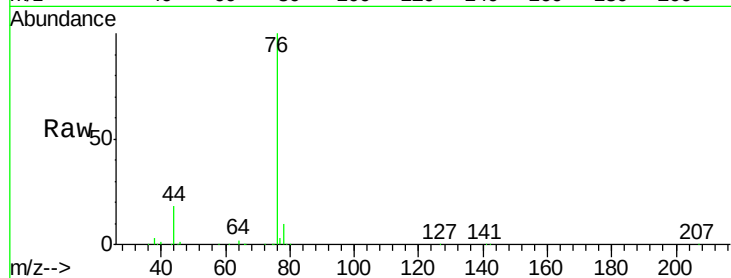
78 9.6 7.6 11.4

Manual Integrations

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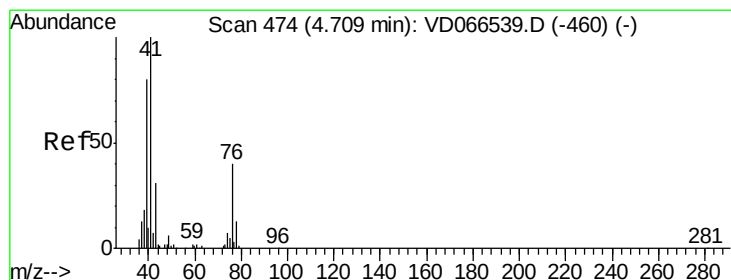
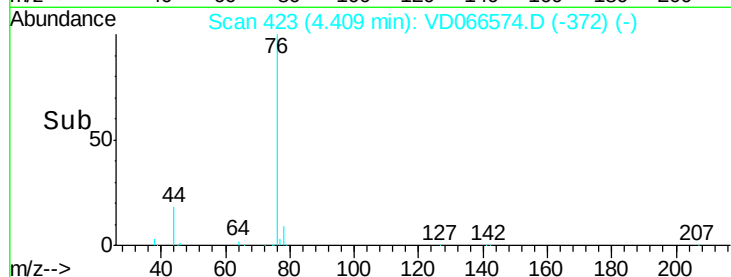
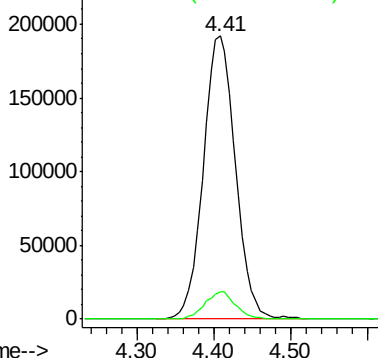
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 40.609 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066574.D

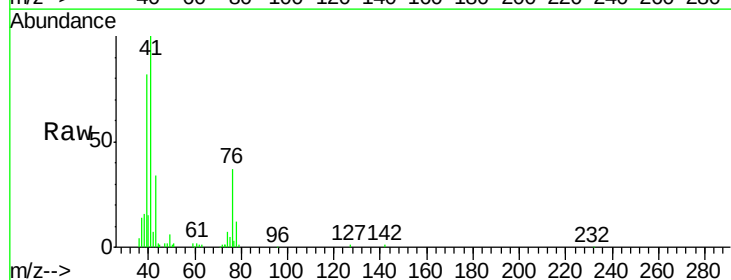
Acq: 09 Sep 2020 11:00

Tgt Ion: 43 Resp: 90068

Ion Ratio Lower Upper

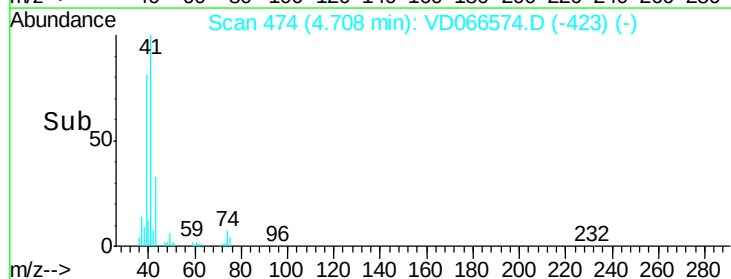
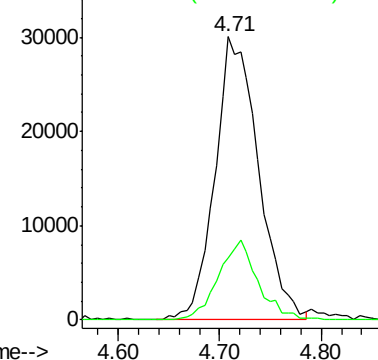
43 100

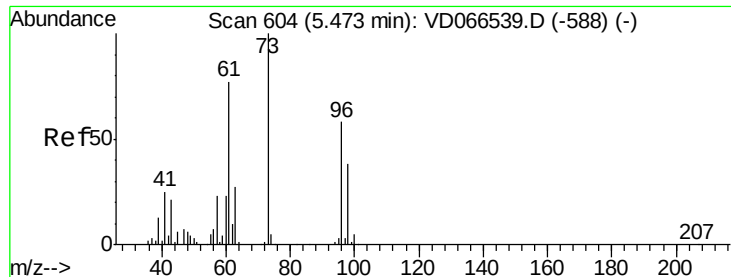
74 25.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





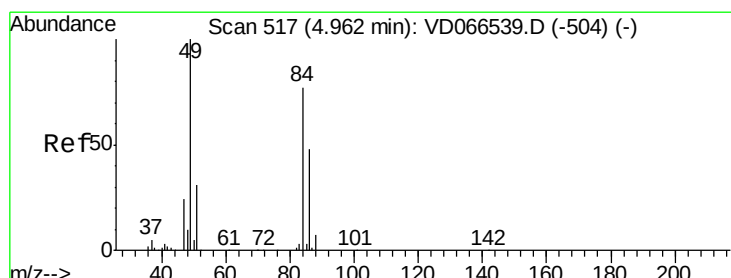
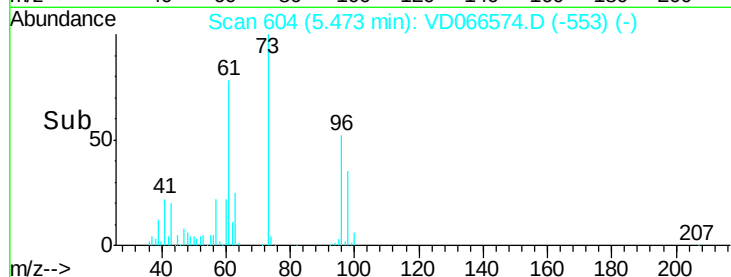
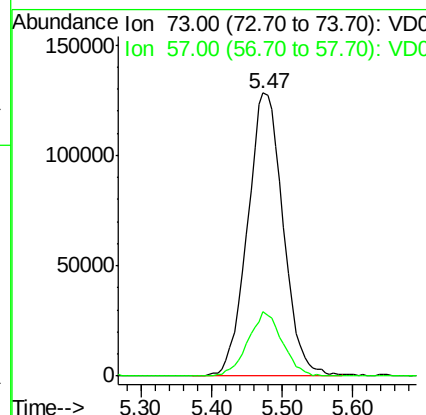
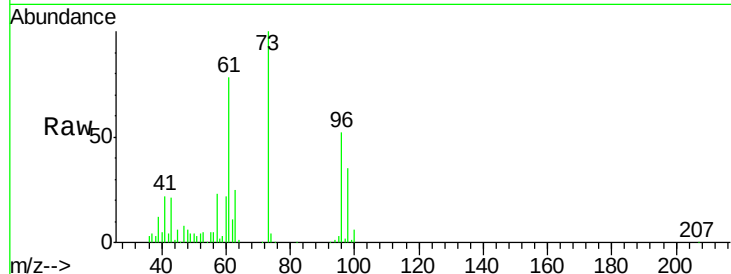
#19
Methyl tert-butyl Ether
Concen: 45.750 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 451762
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5

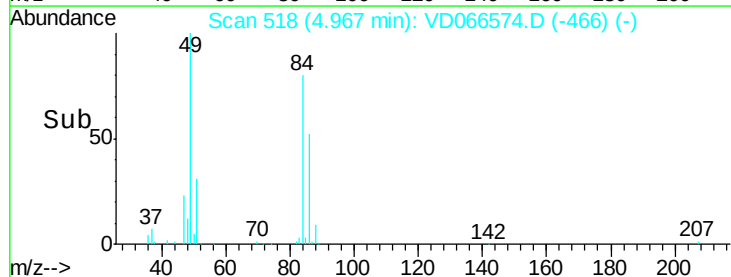
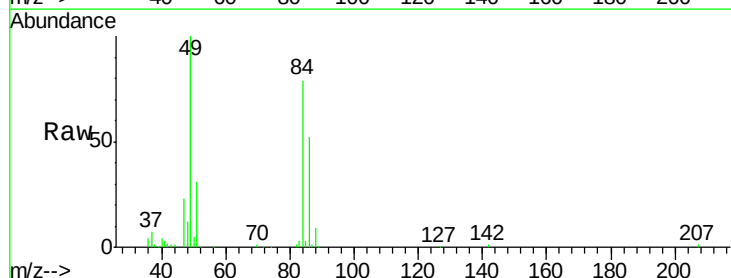
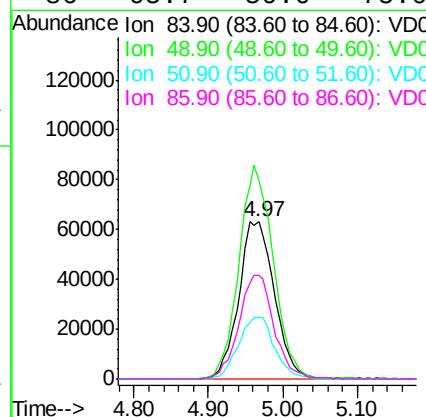
Manual Integrations
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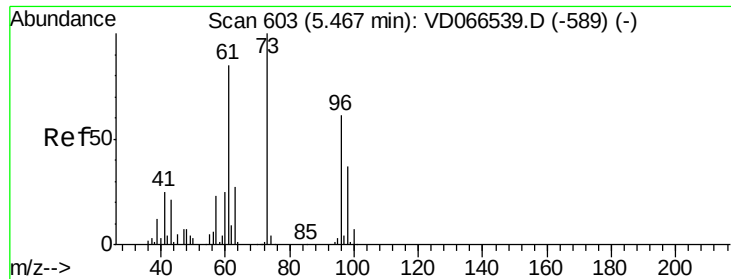
MMDadoda
9/10/2020 10:46:45 AM



#20
Methylene Chloride
Concen: 40.119 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion: 84 Resp: 210059
Ion Ratio Lower Upper
84 100
49 126.5 104.3 156.5
51 39.4 32.2 48.4
86 65.7 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 42.480 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

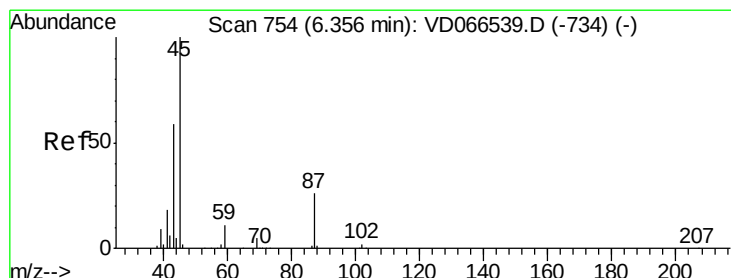
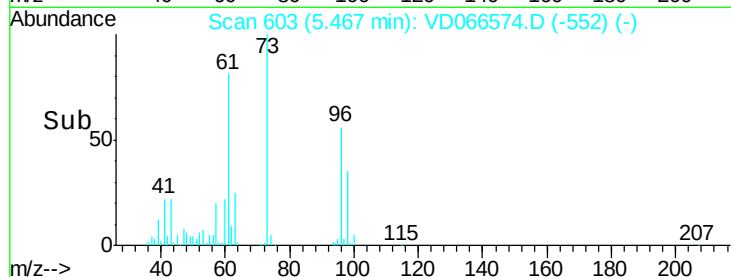
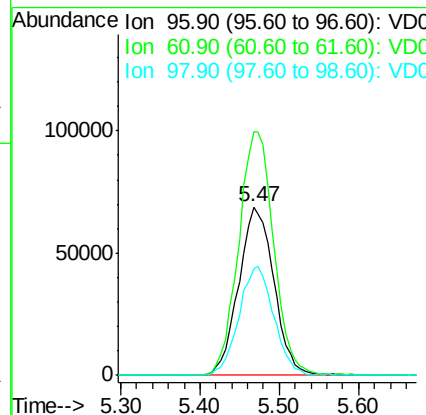
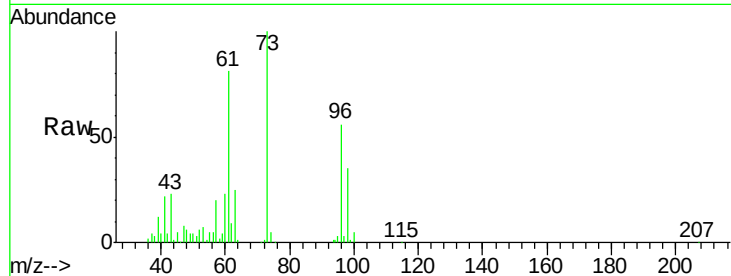
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	212412
Ion	Ratio	Lower	Upper
96	100		
61	144.7	112.1	168.1
98	63.2	48.6	72.8

Manual Integrations
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MMDadoda
9/10/2020 10:46:45 AM



#22

Diisopropyl ether

Concen: 43.601 ug/l

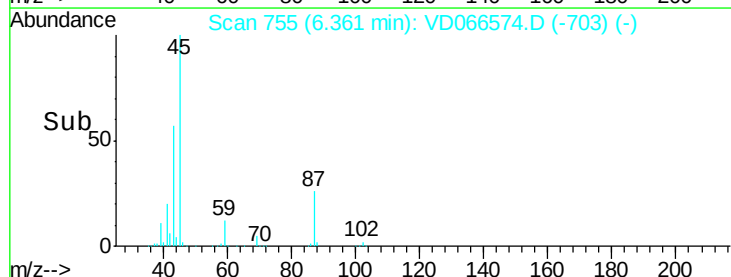
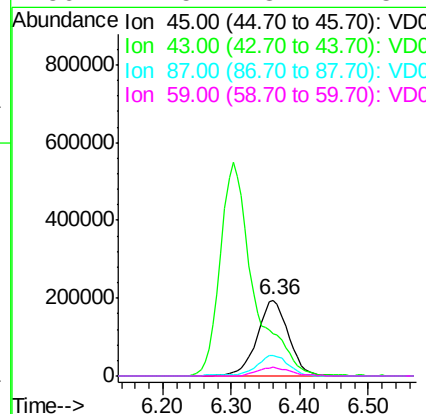
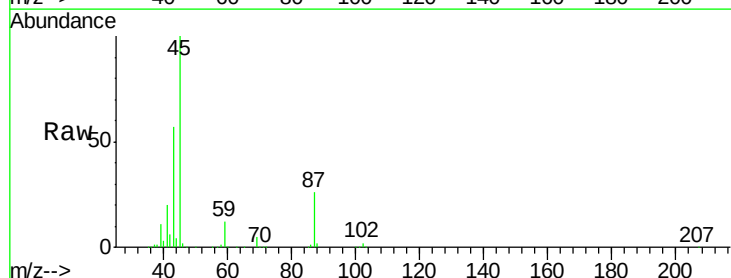
RT: 6.36 min Scan# 755

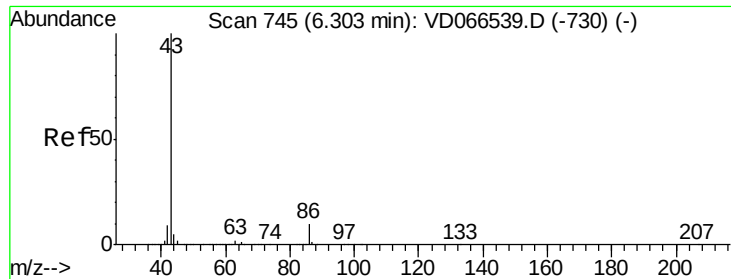
Delta R.T. 0.01 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Tgt Ion:	45	Resp:	618754
Ion	Ratio	Lower	Upper
45	100		
43	55.7	47.0	70.4
87	26.1	21.3	31.9
59	11.5	8.7	13.1





#23

Vinyl Acetate

Concen: 228.327 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1843939

Ion Ratio Lower Upper

43 100

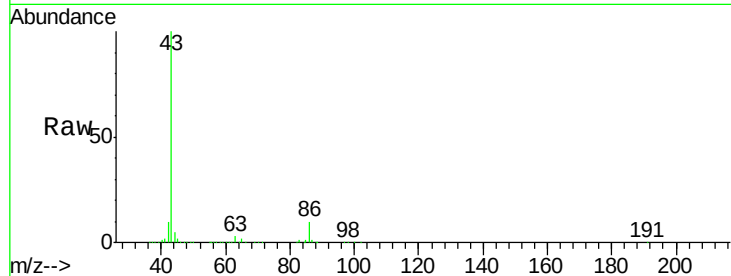
86 9.7 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

600000

500000

400000

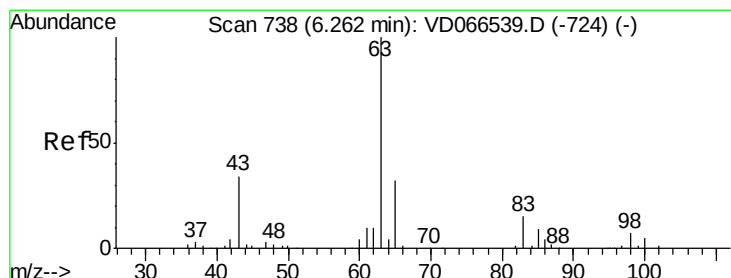
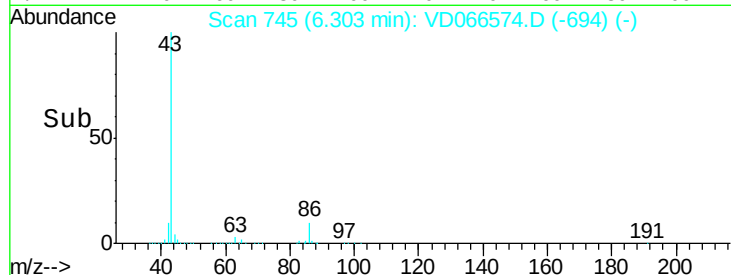
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 42.407 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

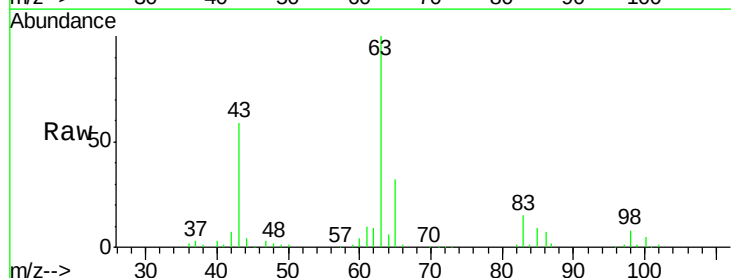
Tgt Ion: 63 Resp: 378454

Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

100 4.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

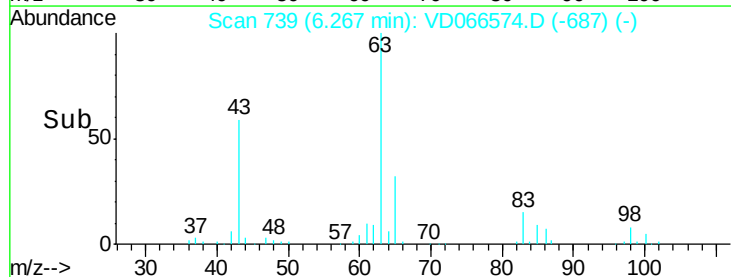
150000

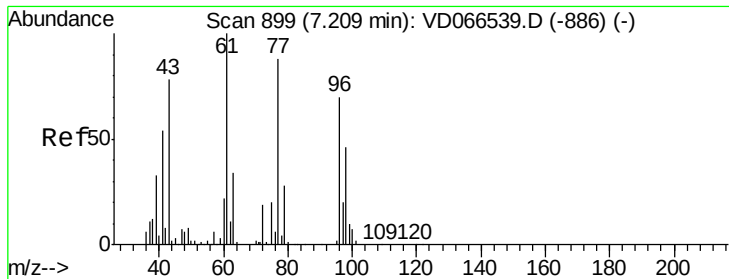
100000

50000

0

Time-->





#25

2-Butanone

Concen: 229.412 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 286533

Ion Ratio Lower Upper

43 100

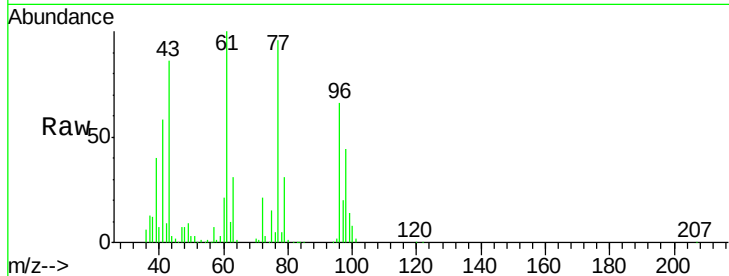
72 24.1 19.8 29.6

Manual Integrations

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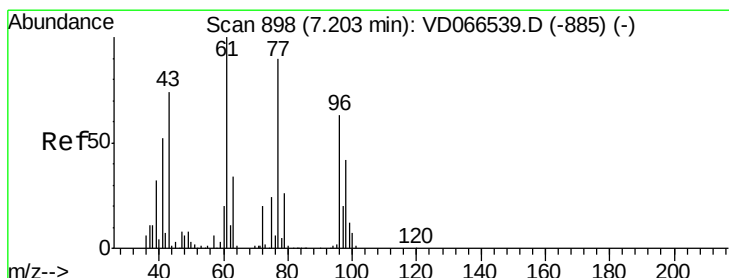
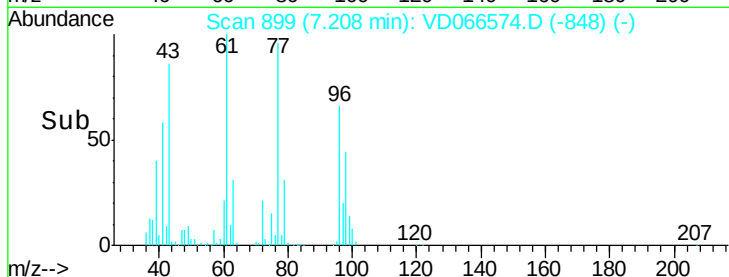
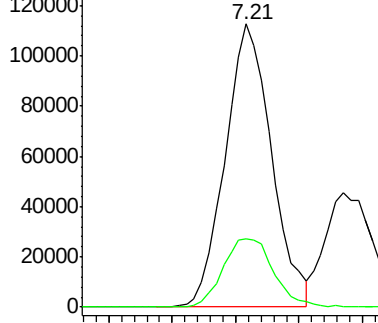
MMDadoda

9/10/2020 10:46:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 44.881 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066574.D

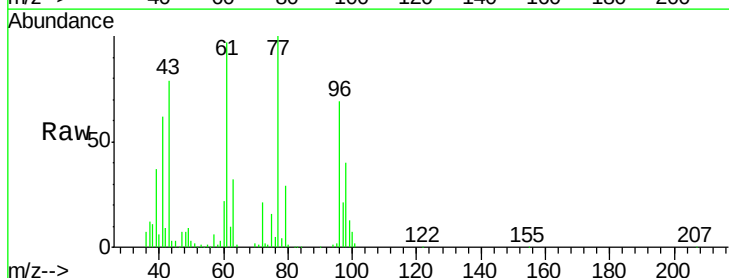
Acq: 09 Sep 2020 11:00

Tgt Ion: 77 Resp: 367402

Ion Ratio Lower Upper

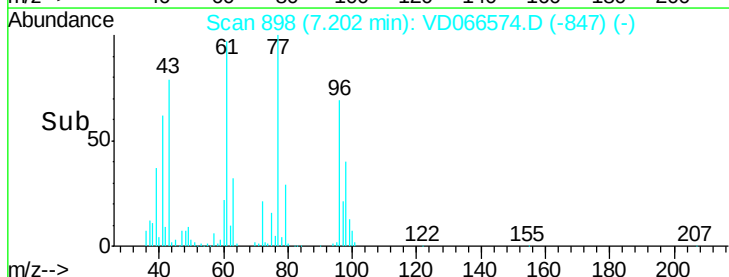
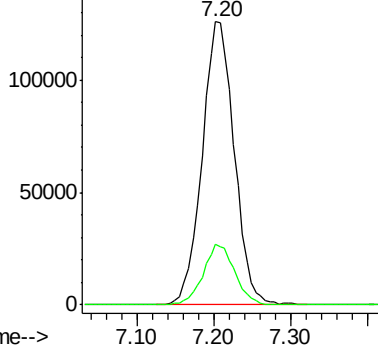
77 100

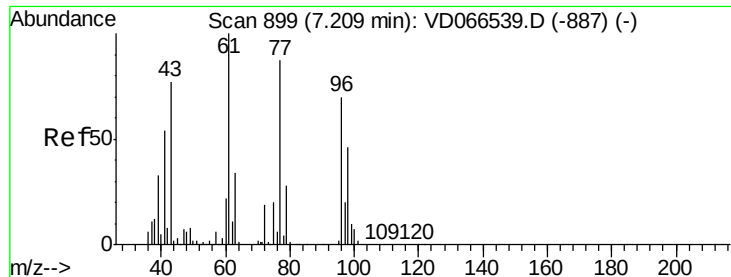
97 20.9 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

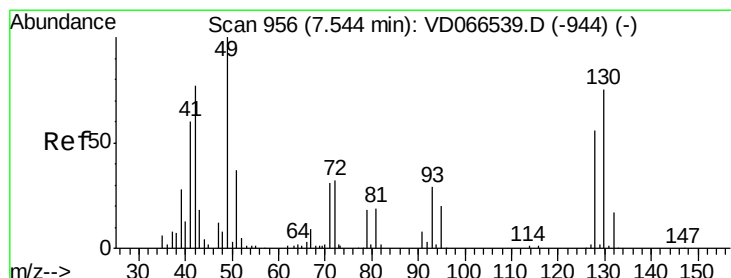
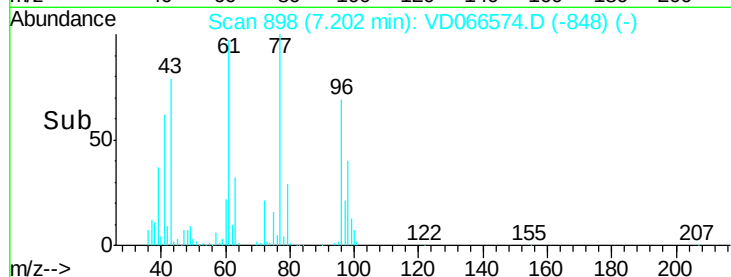
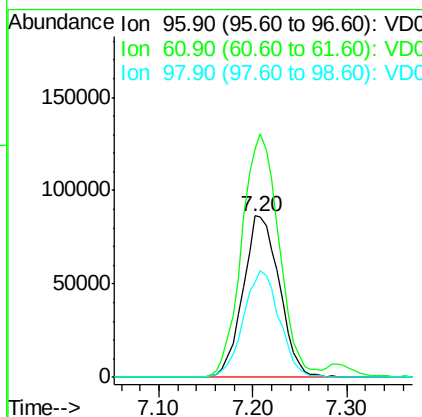
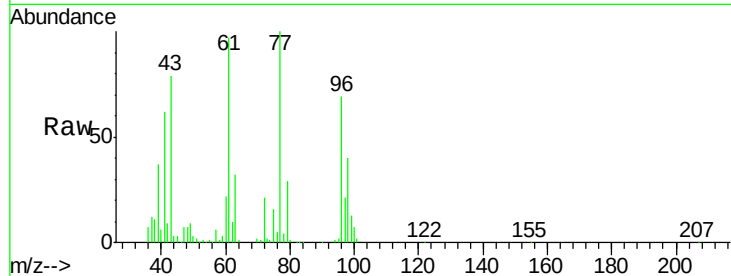
cis-1,2-Dichloroethene
 Concen: 43.072 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	231606		
61	155.1	0.0	301.0	
98	65.5	0.0	129.8	

Manual Integrations
 APPROVED

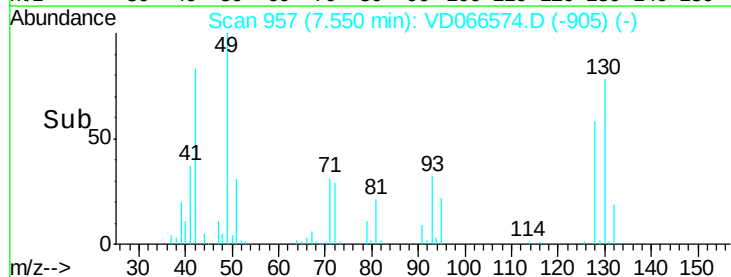
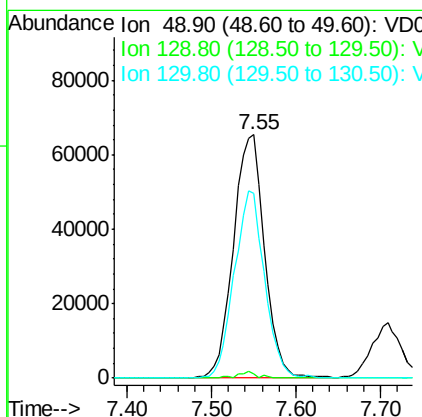
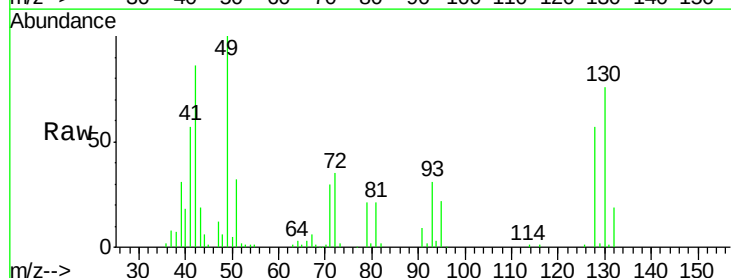
MMDadoda
 9/10/2020 10:46:45 AM

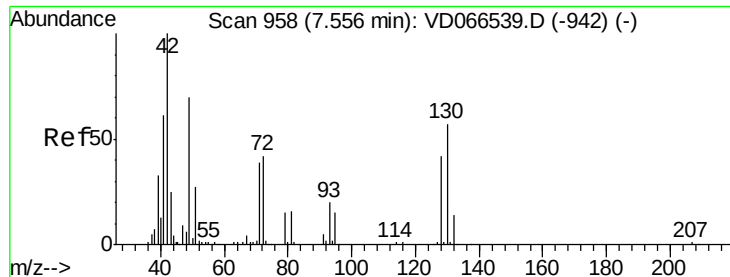


#28

Bromochloromethane
 Concen: 48.342 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	166093		
129	1.4	0.0	2.6	
130	75.0	58.2	87.2	





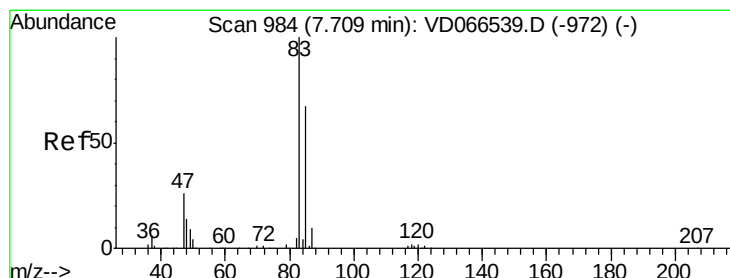
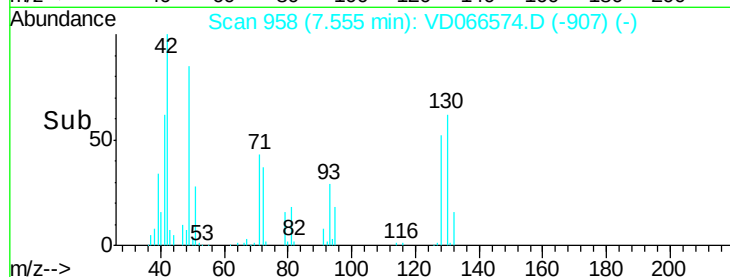
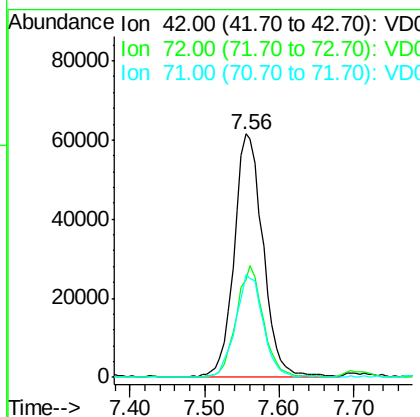
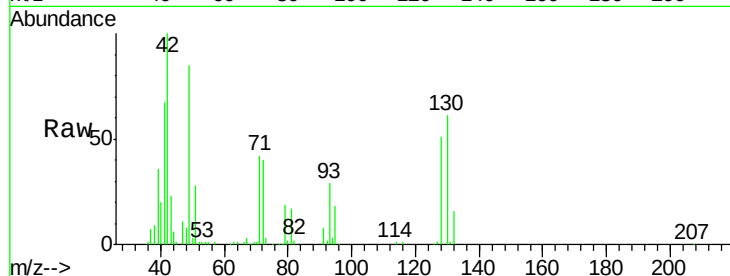
#29
Tetrahydrofuran
Concen: 213.919 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.0
71	39.8	31.9	47.9

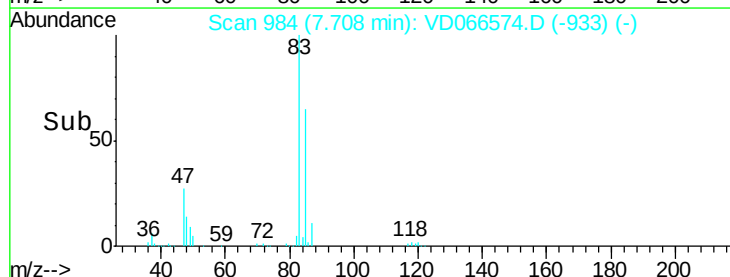
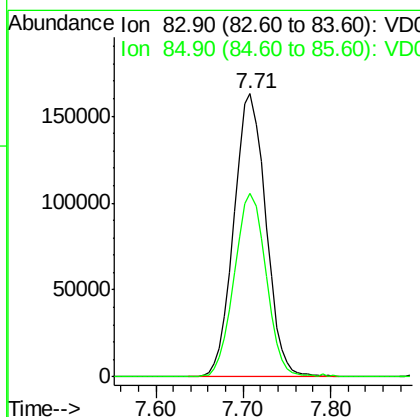
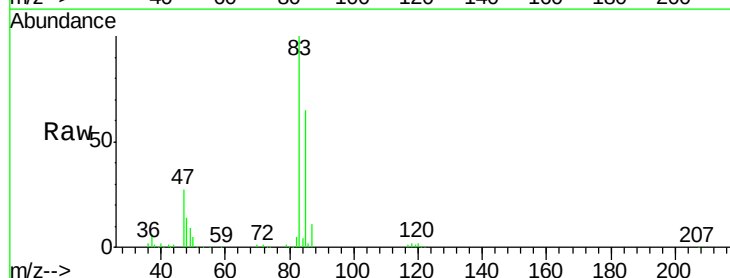
Manual Integrations
APPROVED

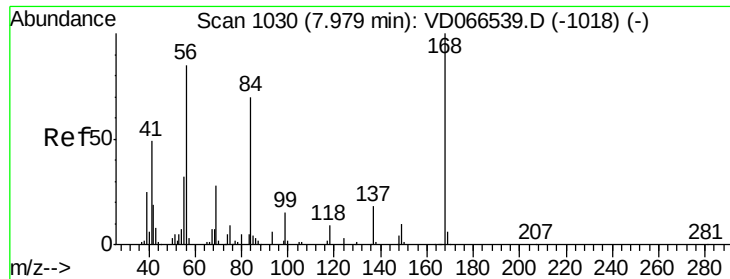
MMDadoda
9/10/2020 10:46:45 AM



#30
Chloroform
Concen: 42.739 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.6	80.4





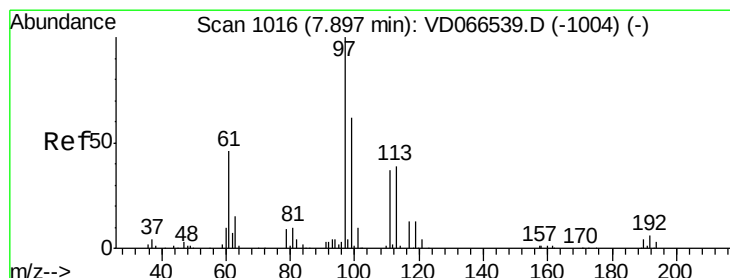
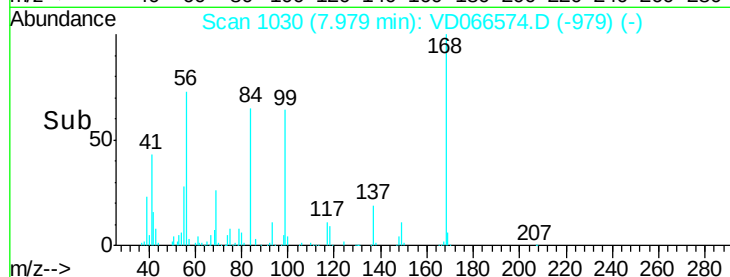
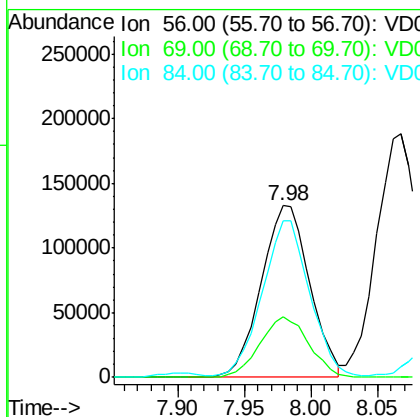
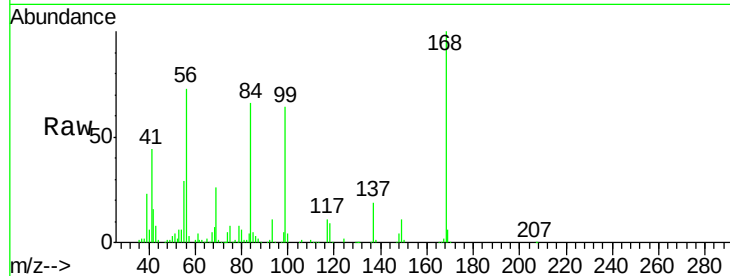
#31
Cyclohexane
Concen: 40.472 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.3	39.5
84	88.6	66.1	99.1

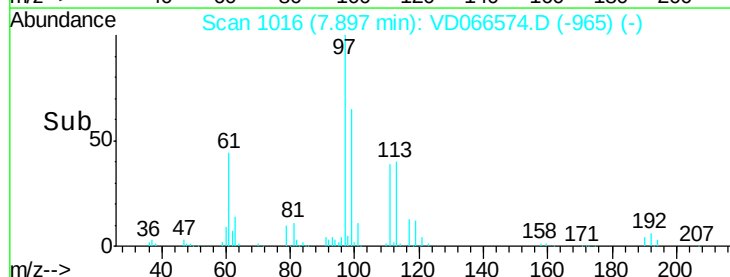
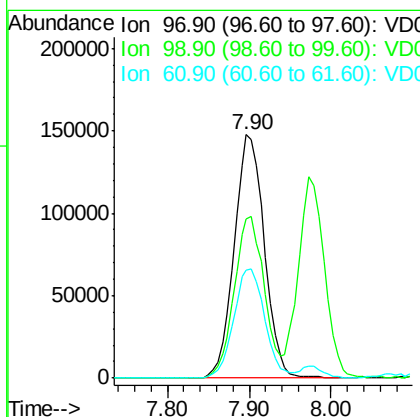
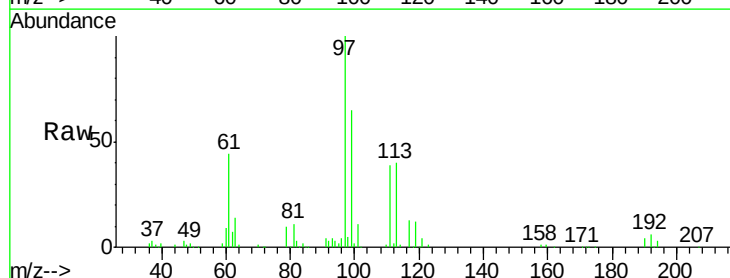
Manual Integrations
APPROVED

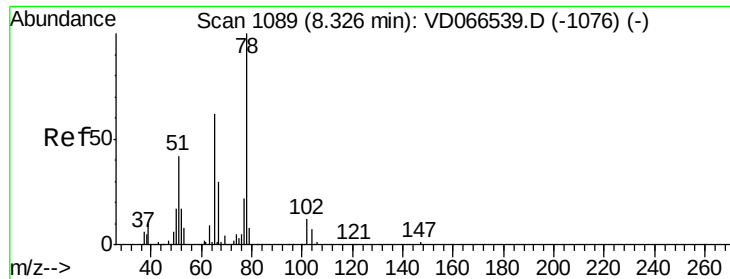
MMDadoda
9/10/2020 10:46:45 AM



#32
1,1,1-Trichloroethane
Concen: 42.690 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.4	77.0
61	46.3	37.4	56.0





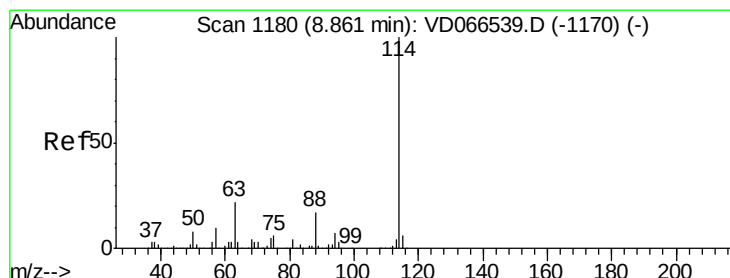
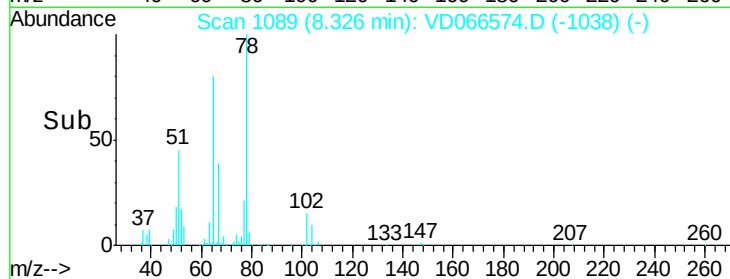
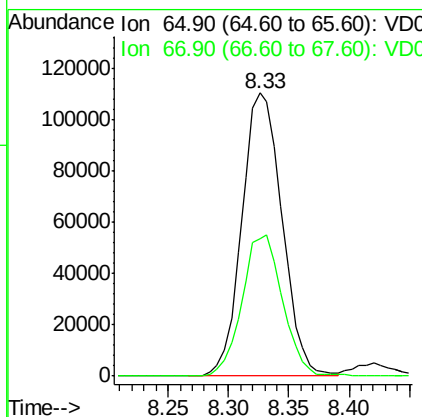
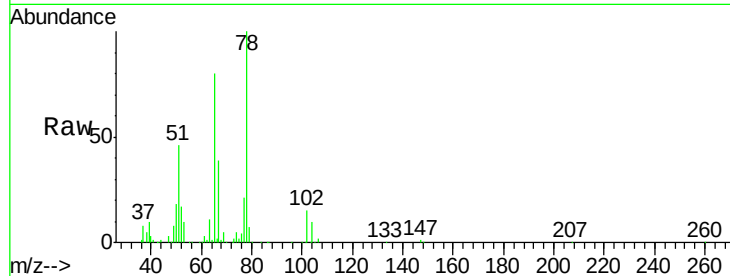
#33
 1,2-Dichloroethane-d4
 Concen: 50.529 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	255513		
67	50.3	0.0	102.8	

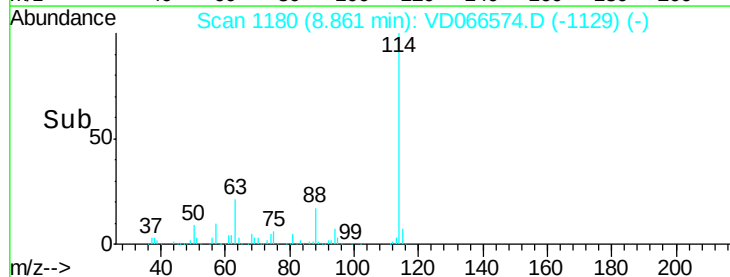
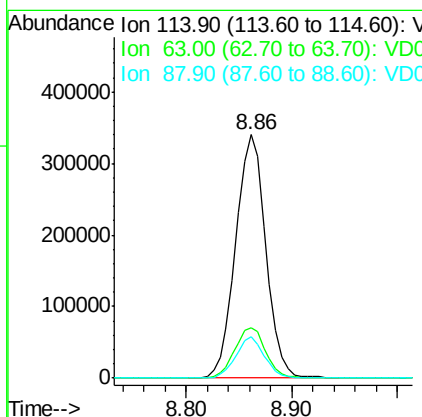
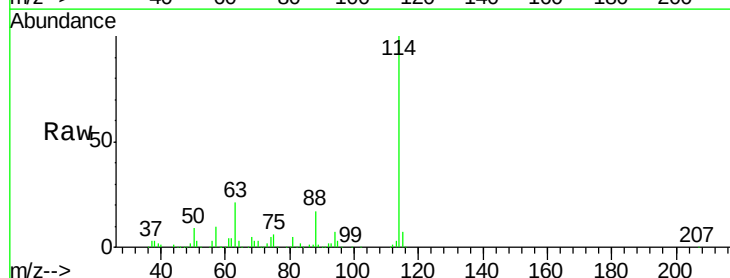
Manual Integrations
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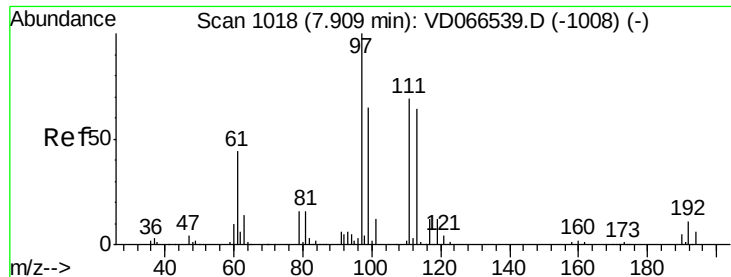
MMDadoda
 9/10/2020 10:46:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	670647		
63	20.8	0.0	43.2	
88	16.9	0.0	33.2	





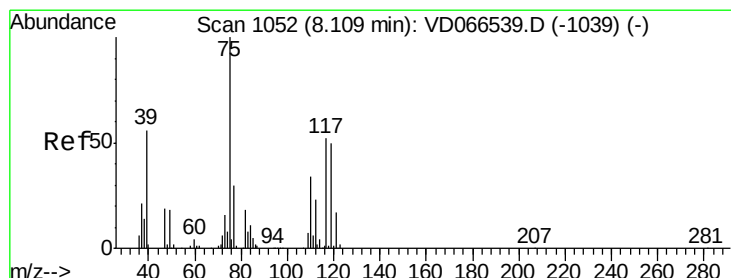
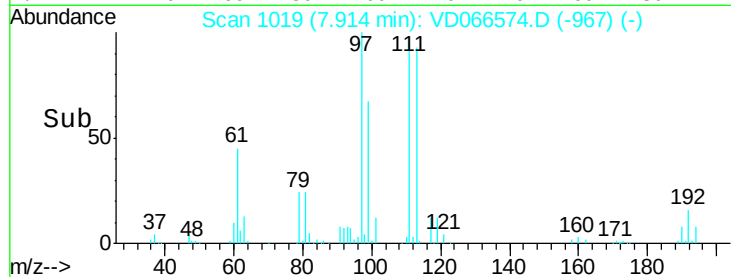
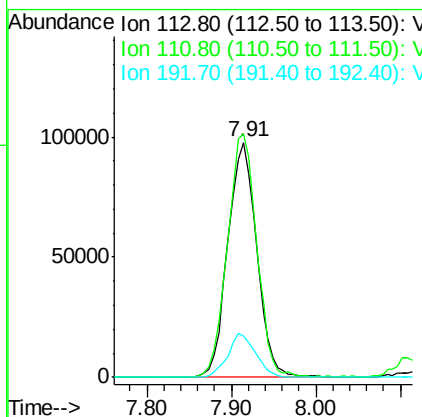
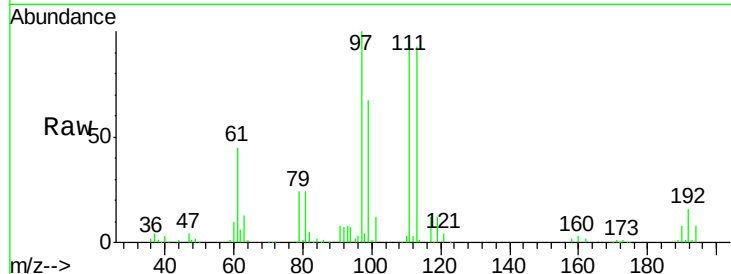
#35
 Dibromofluoromethane
 Concen: 51.145 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	231393		
111	104.9	83.2	124.8	
192	18.0	13.7	20.5	

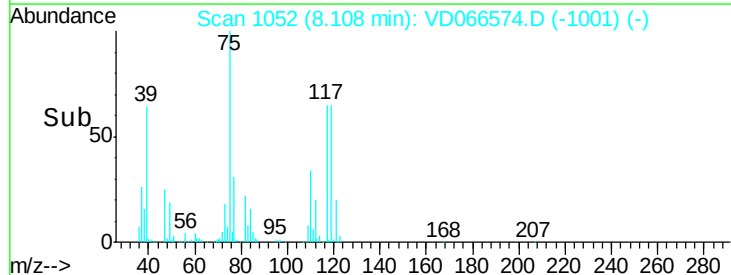
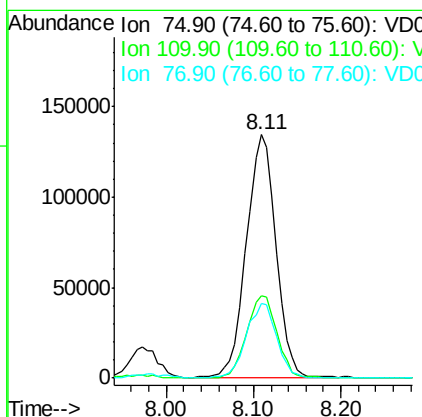
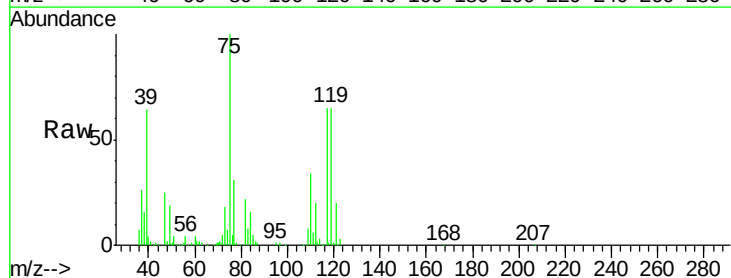
Manual Integrations
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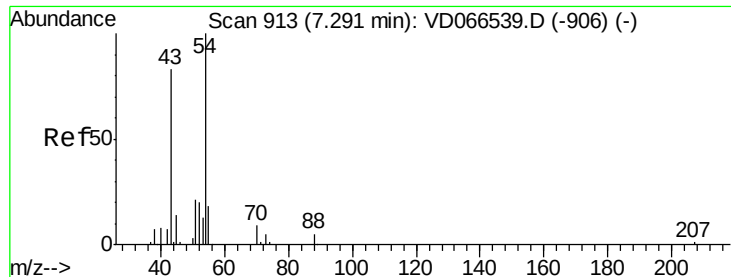
MMDadoda
 9/10/2020 10:46:45 AM



#36
 1,1-Dichloropropene
 Concen: 44.127 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	307978		
110	34.8	17.3	52.0	
77	31.8	25.1	37.7	





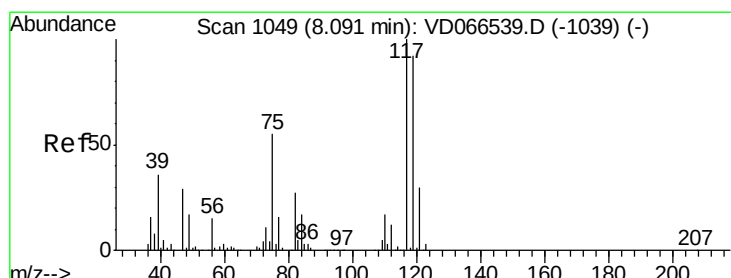
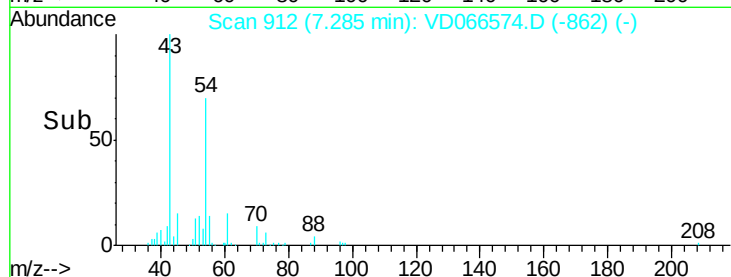
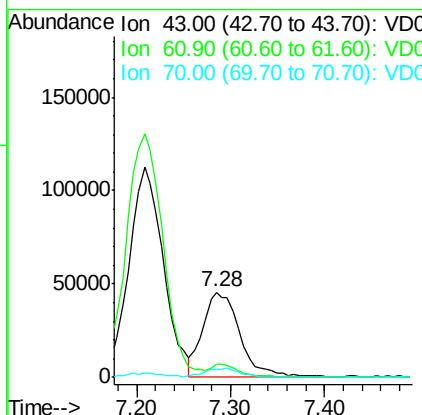
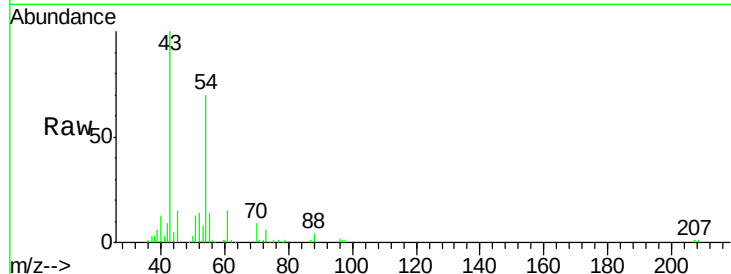
#37
Ethyl Acetate
Concen: 44.609 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.0	11.8	17.8#
70	9.6	7.9	11.9

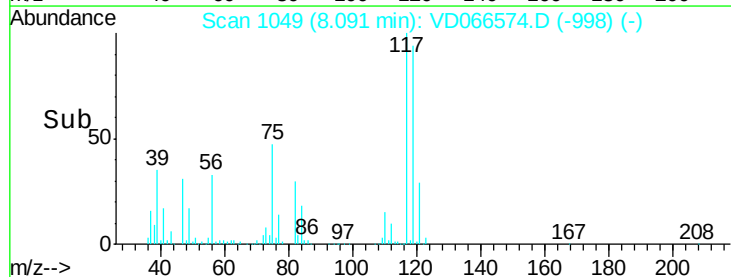
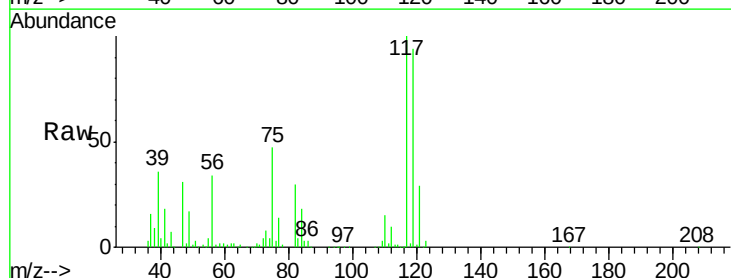
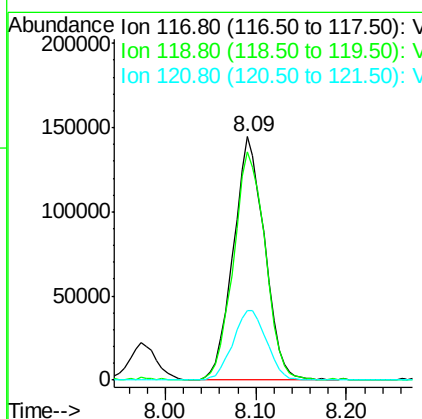
Manual Integrations
APPROVED

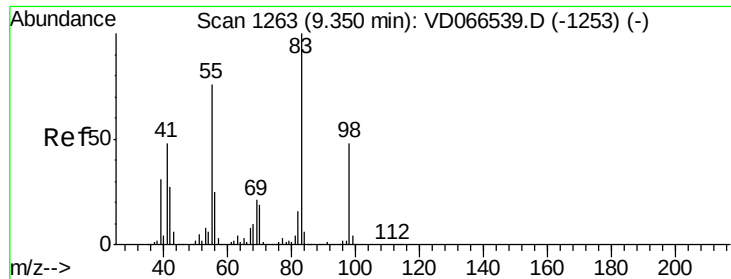
MMDadoda
9/10/2020 10:46:45 AM



#38
Carbon Tetrachloride
Concen: 46.805 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.9	110.9
121	28.7	24.1	36.1





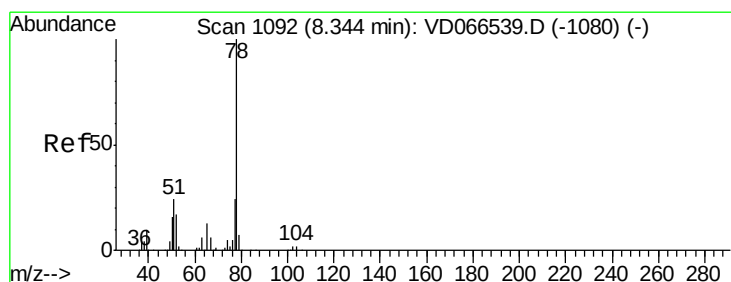
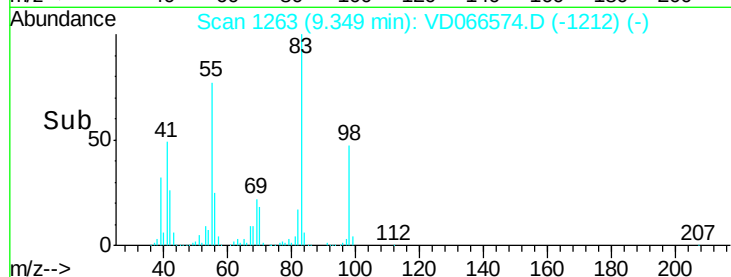
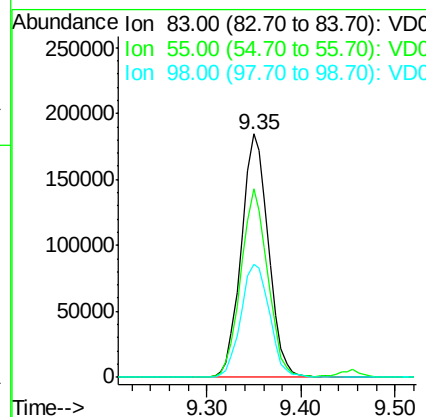
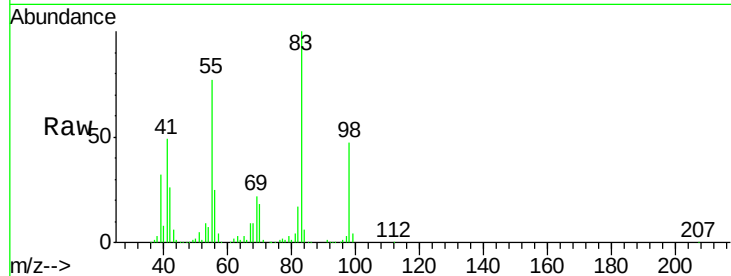
#39
Methylvlcyclohexane
Concen: 47.485 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	60.8	91.2
98	46.6	38.6	58.0

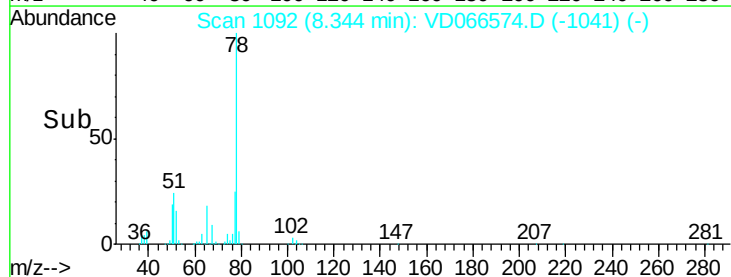
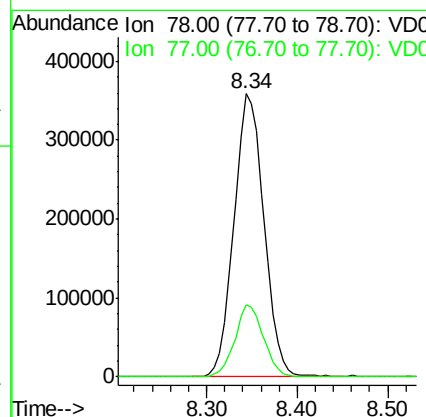
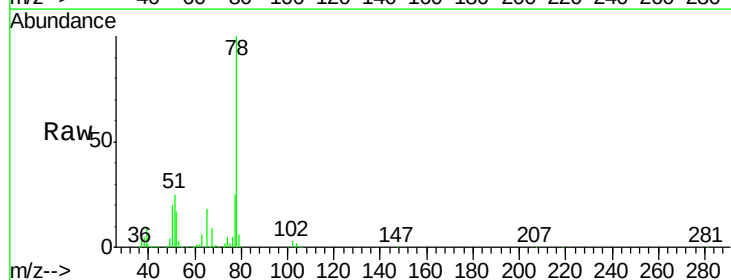
Manual Integrations
APPROVED

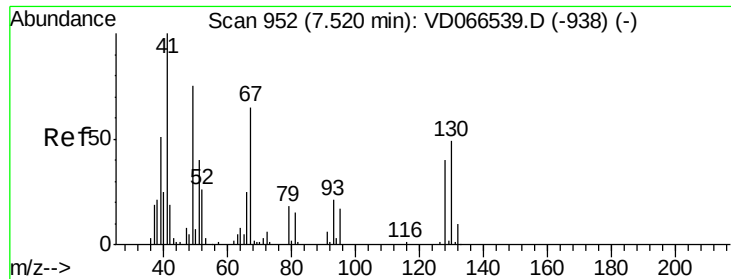
MMDadoda
9/10/2020 10:46:45 AM



#40
Benzene
Concen: 43.292 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.1	28.7





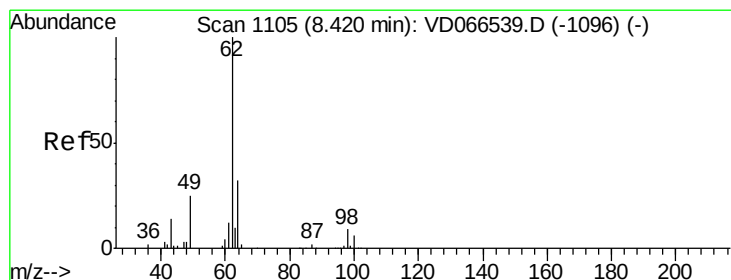
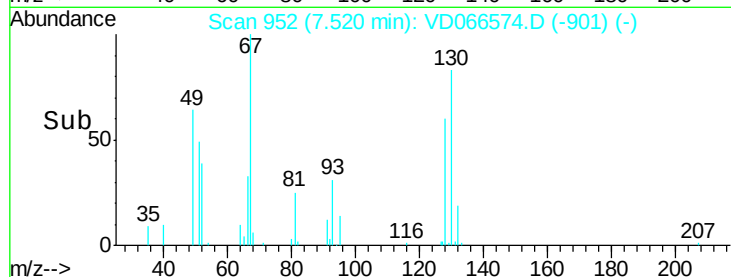
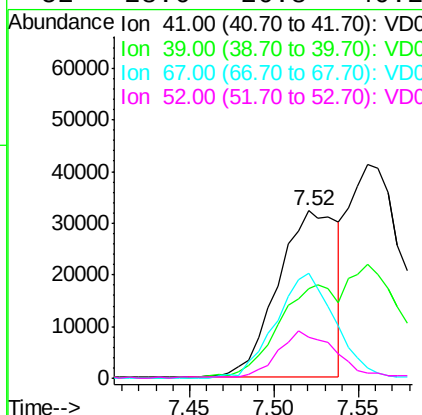
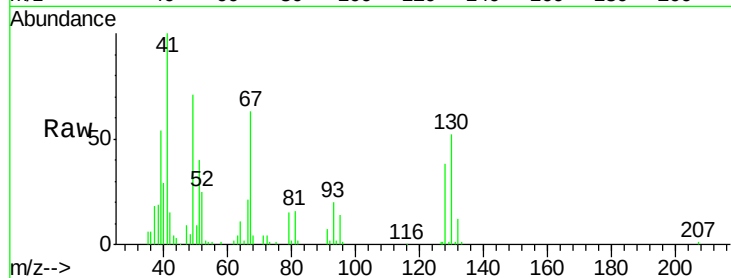
#41
Methacrylonitrile
Concen: 58.646 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	78896
Ion	Ratio	Lower	Upper
41	100		
39	55.2	53.6	80.4
67	63.3	59.2	88.8
52	28.6	26.8	40.2

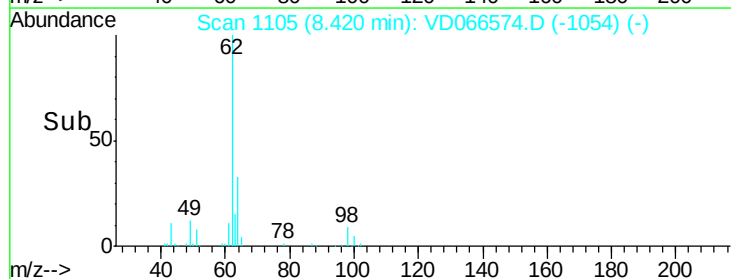
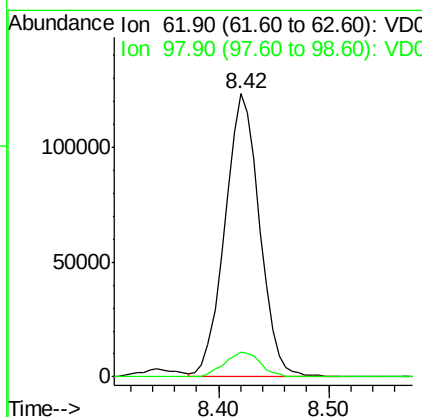
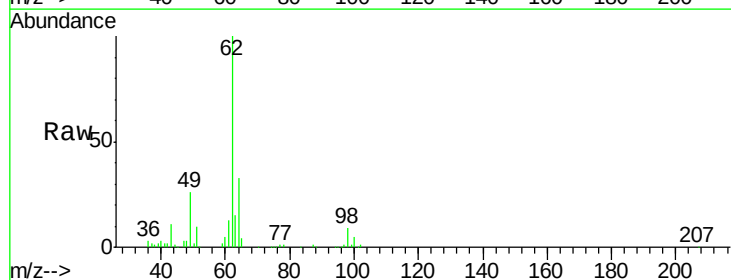
Manual Integrations
APPROVED

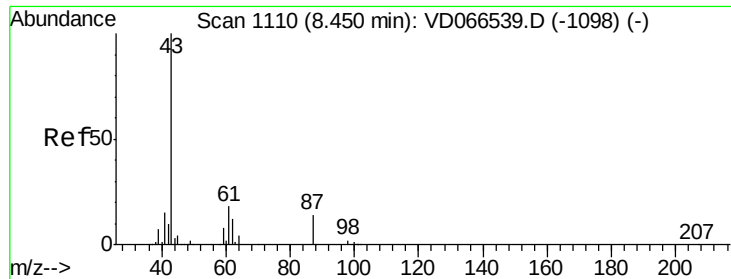
MMDadoda
9/10/2020 10:46:45 AM



#42
1,2-Dichloroethane
Concen: 43.705 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	62	Resp	270679
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6





#43

Isopropyl Acetate

Concen: 44.618 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

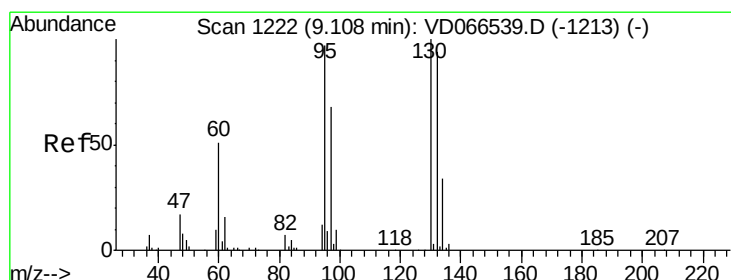
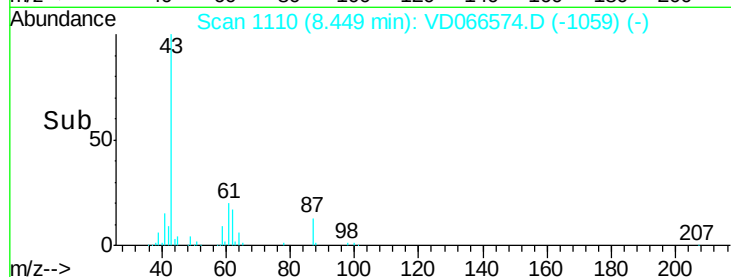
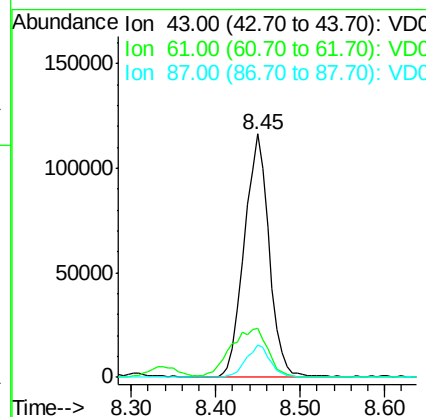
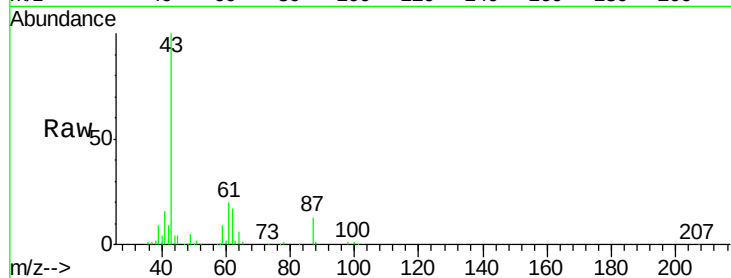
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	237635
Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.8	35.8
87	12.9	10.7	16.1

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MMDadoda
9/10/2020 10:46:45 AM



#44

Trichloroethene

Concen: 44.871 ug/l

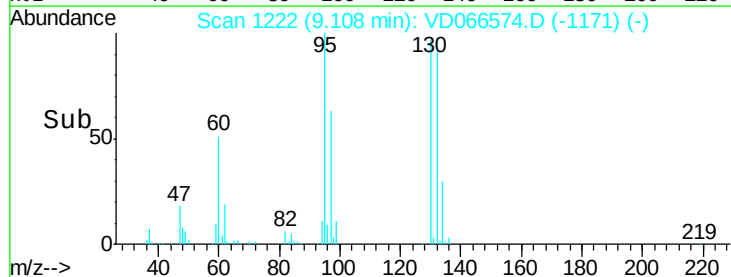
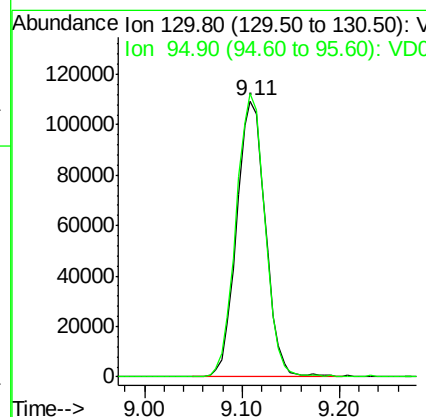
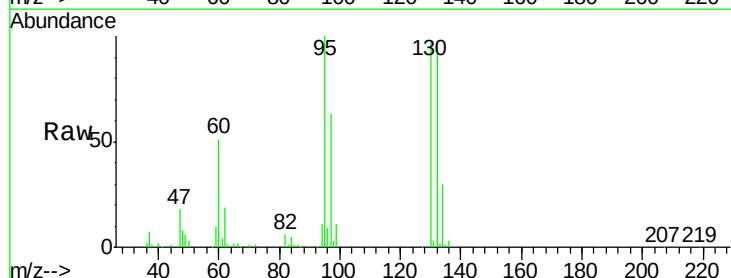
RT: 9.11 min Scan# 1222

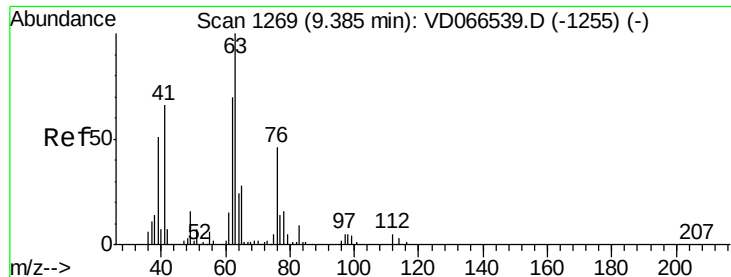
Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Tgt Ion	130	Resp	224984
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	194.4





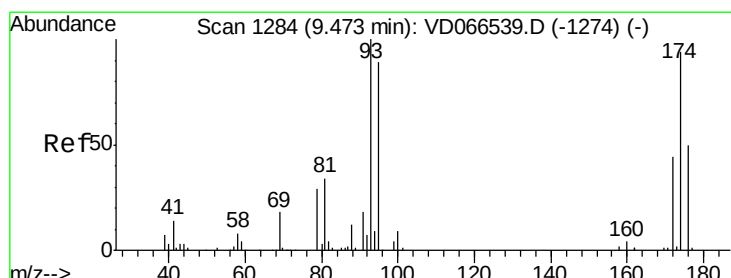
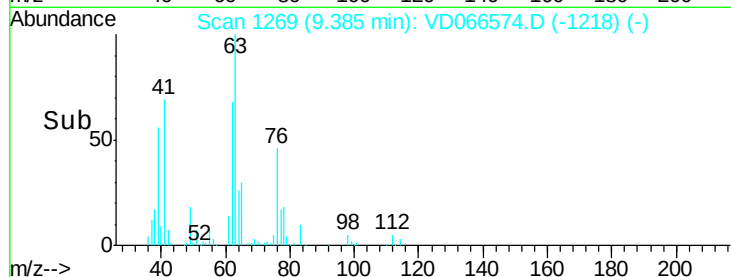
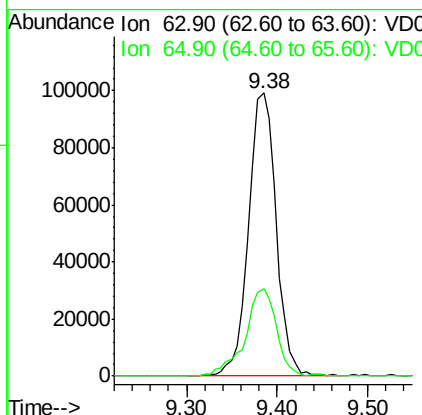
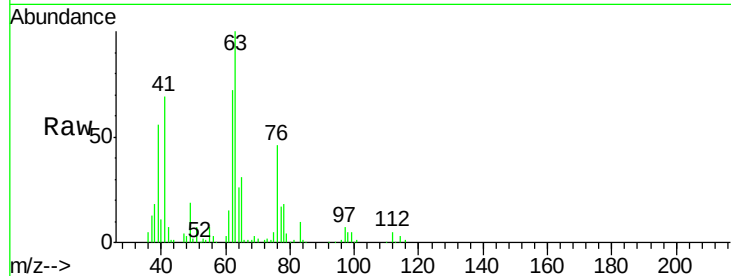
#45
 1,2-Dichloropropane
 Concen: 43.670 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 209926
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.6 34.0

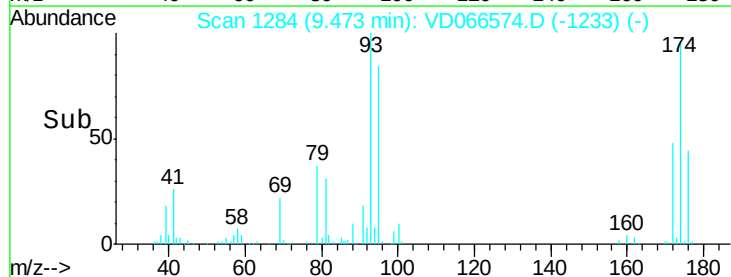
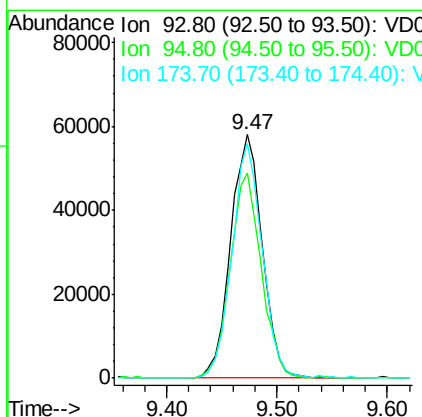
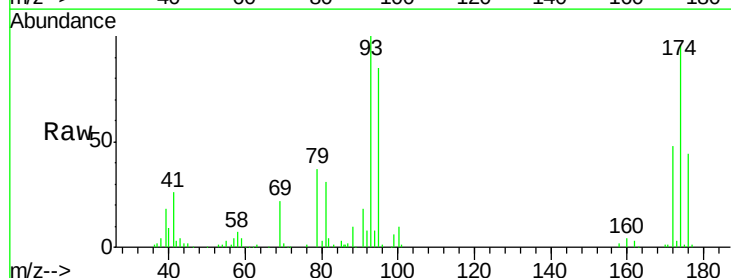
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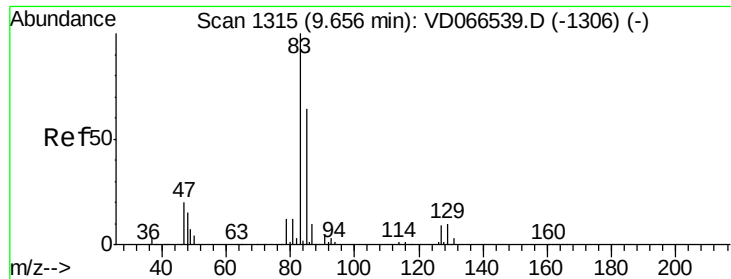
MMDadoda
 9/10/2020 10:46:45 AM



#46
 Dibromomethane
 Concen: 43.990 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion: 93 Resp: 116666
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.7 103.1
 174 92.4 70.0 105.0





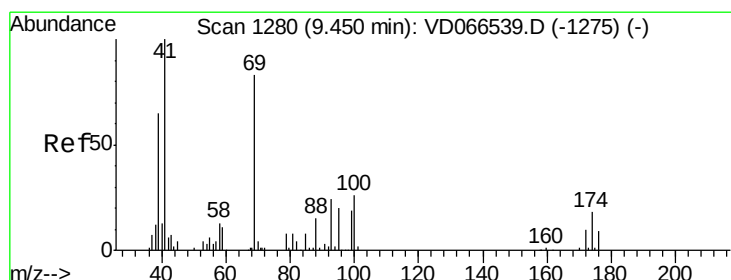
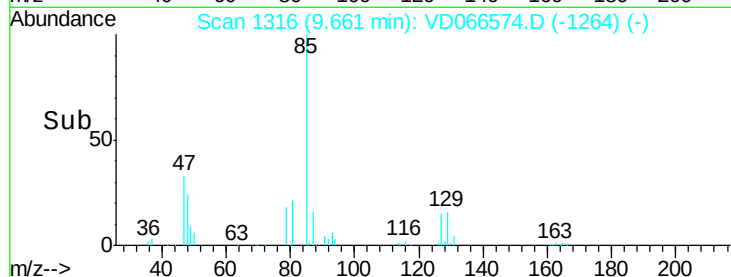
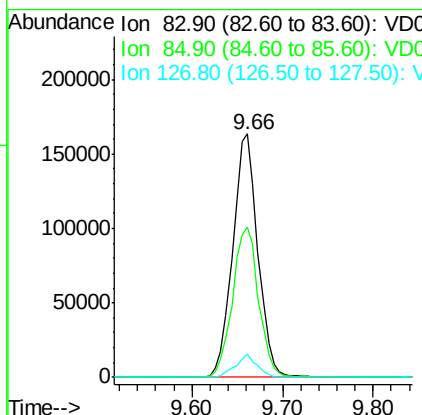
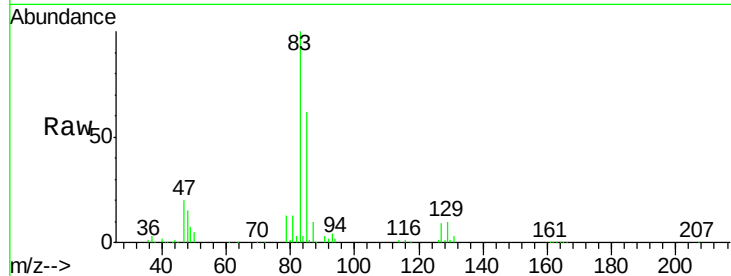
#47
Bromodichloromethane
Concen: 43.998 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	315699		
85	61.5		51.1	76.7
127	9.5		6.9	10.3

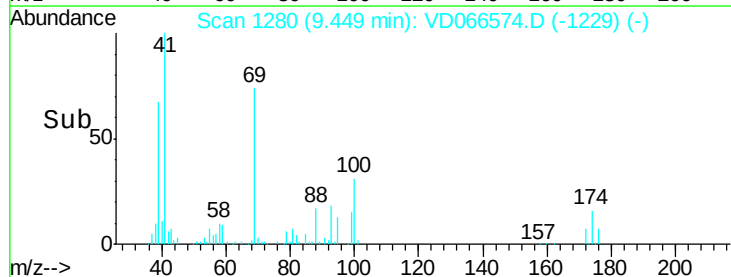
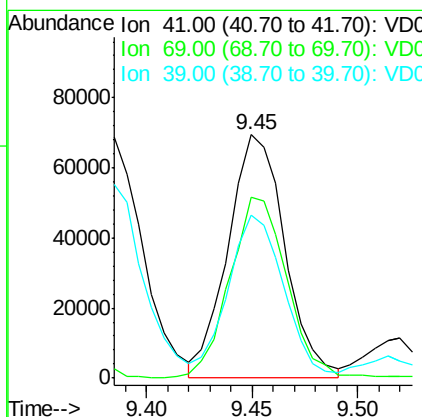
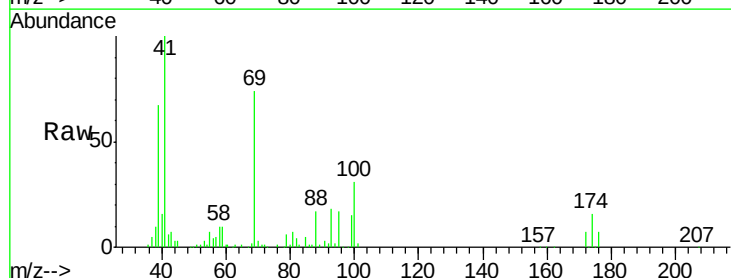
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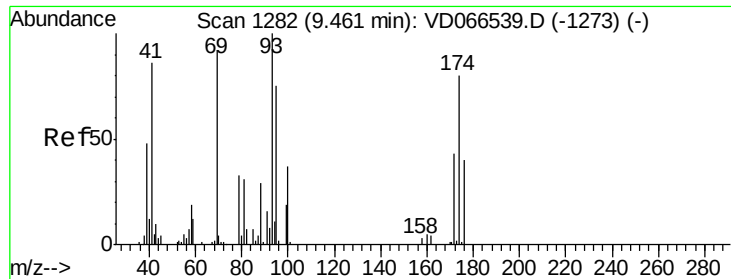
MMDadoda
9/10/2020 10:46:45 AM



#48
Methyl methacrylate
Concen: 47.856 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	128881		
69	75.2		64.5	96.7
39	61.0		46.6	69.8





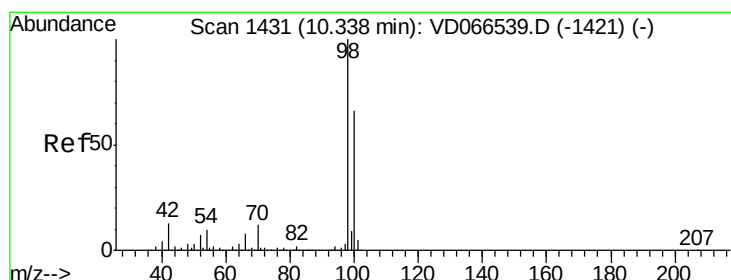
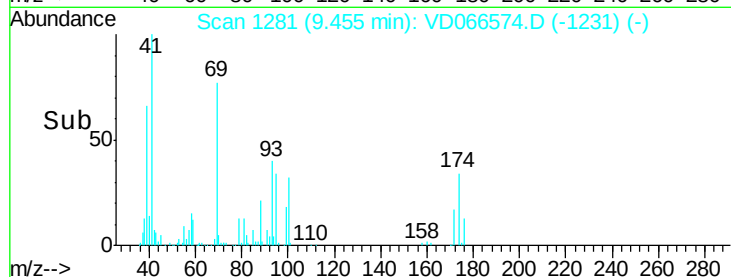
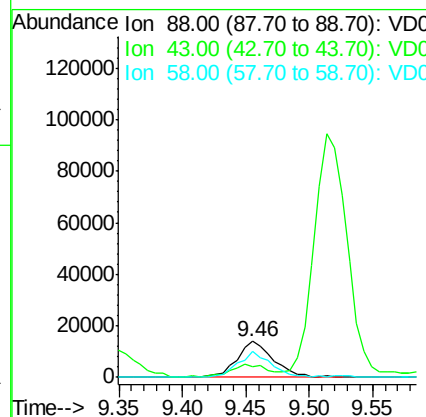
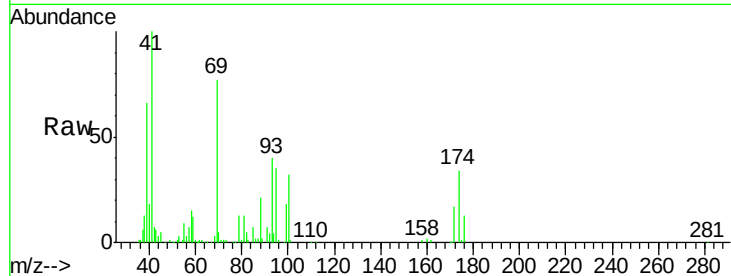
#49
1,4-Dioxane
Concen: 945.807 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	27519
Ion	Ratio	Lower	Upper
88	100		
43	34.8	28.3	42.5
58	66.3	56.1	84.1

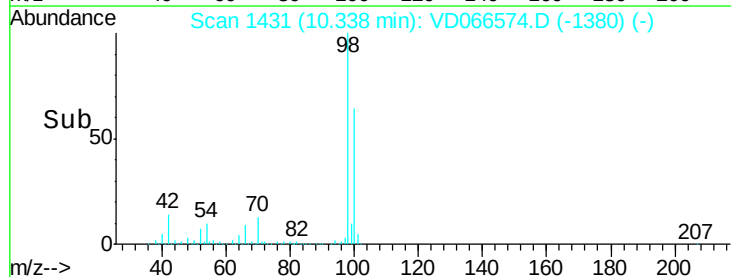
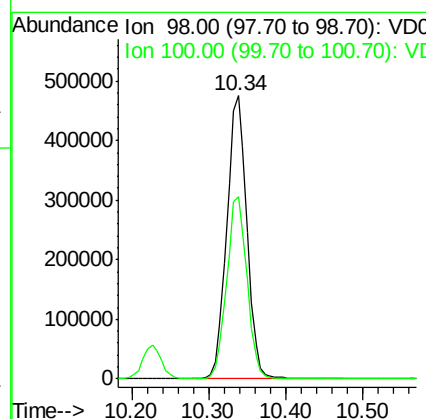
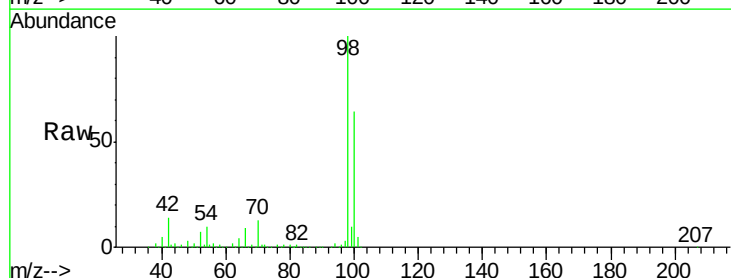
Manual Integrations
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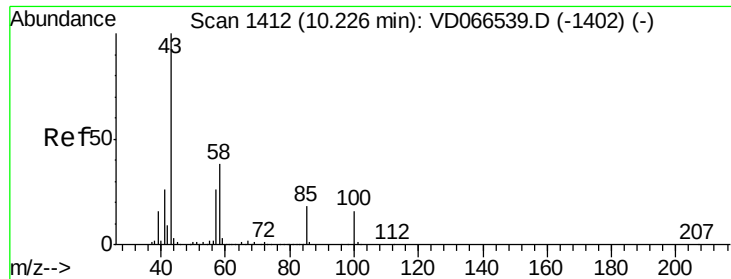
MMDadoda
9/10/2020 10:46:45 AM



#50
Toluene-d8
Concen: 53.362 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	98	Resp	862882
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 227.078 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 609940

Ion Ratio Lower Upper

43 100

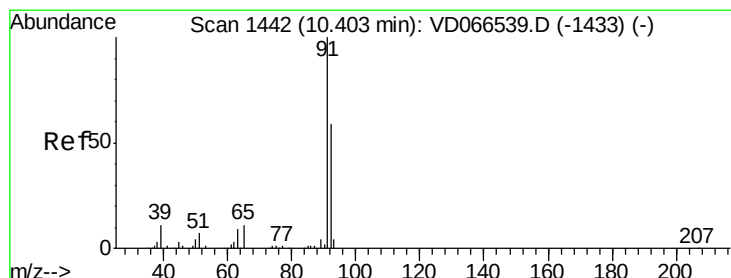
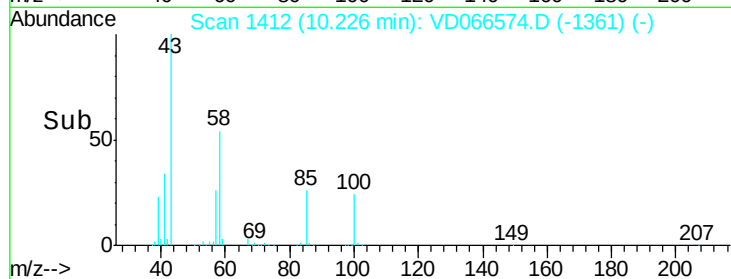
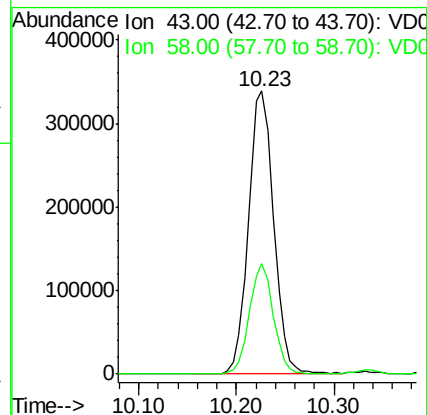
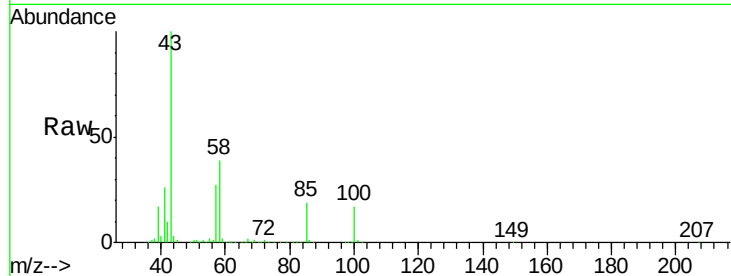
58 37.0 30.5 45.7

Manual Integrations

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MMDadoda

9/10/2020 10:46:45 AM



#52

Toluene

Concen: 44.599 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066574.D

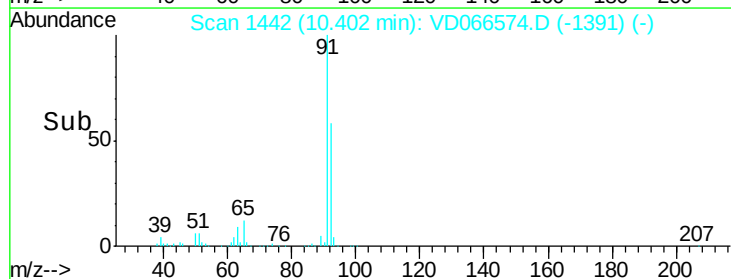
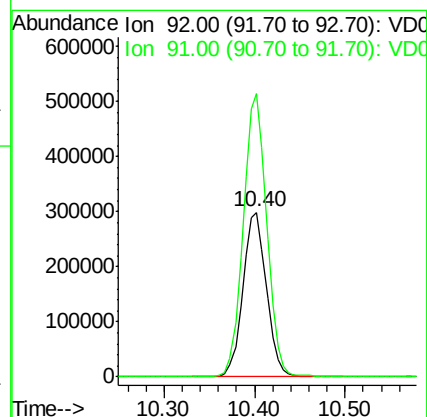
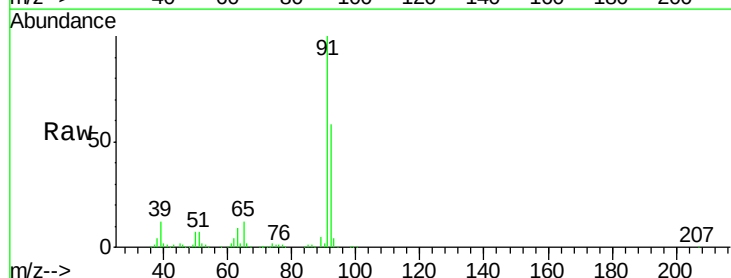
Acq: 09 Sep 2020 11:00

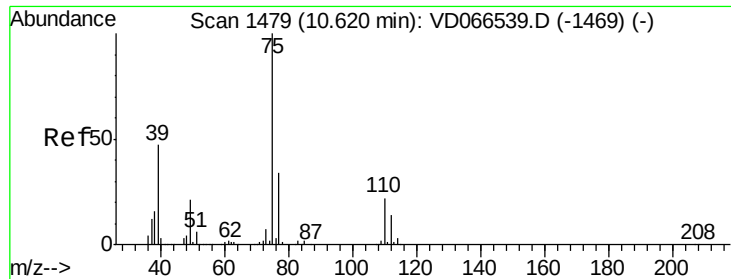
Tgt Ion: 92 Resp: 539646

Ion Ratio Lower Upper

92 100

91 171.4 137.4 206.2





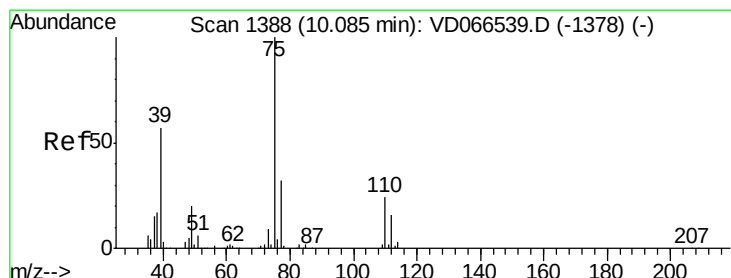
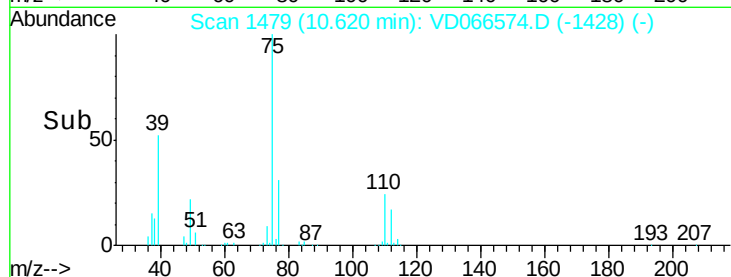
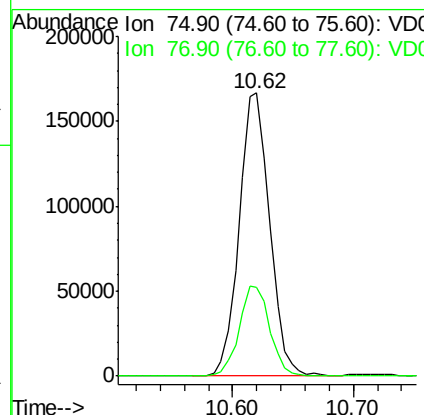
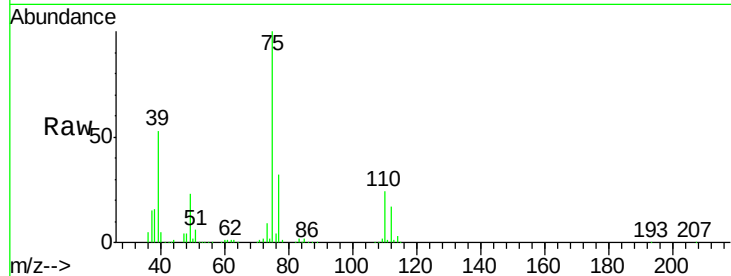
#53
t-1,3-Dichloropropene
Concen: 46.496 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 294515
Ion Ratio Lower Upper
75 100
77 31.6 27.4 41.2

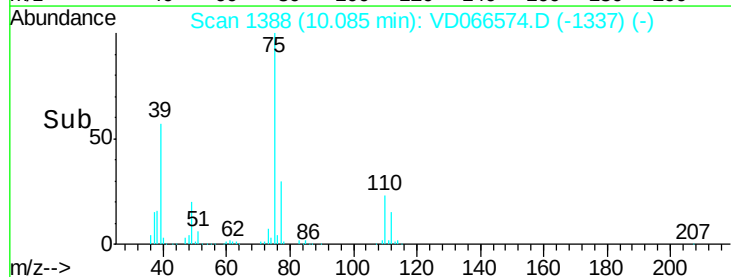
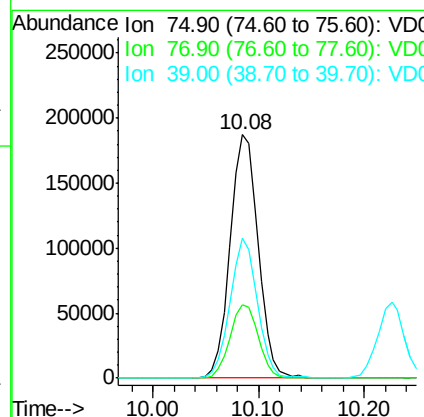
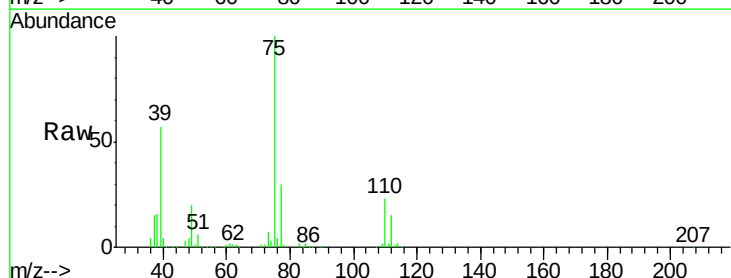
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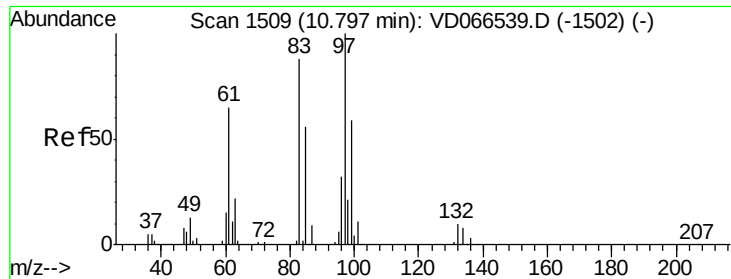
MMDadoda
9/10/2020 10:46:45 AM



#54
cis-1,3-Dichloropropene
Concen: 45.147 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion: 75 Resp: 343416
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.0
39 57.4 45.4 68.0





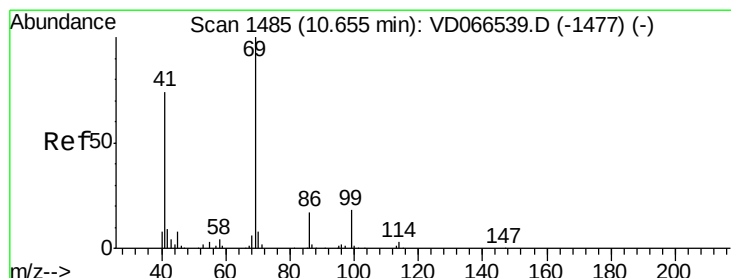
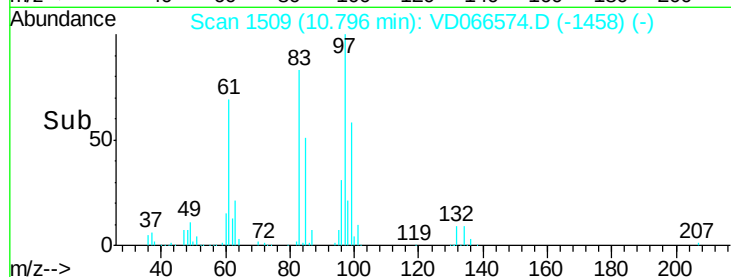
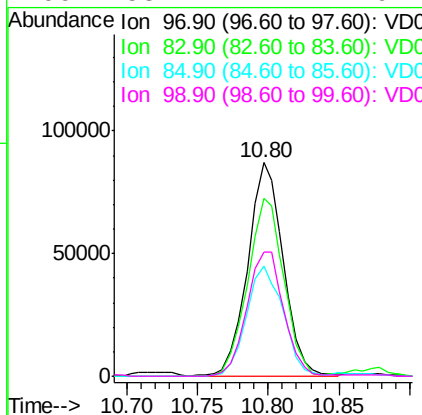
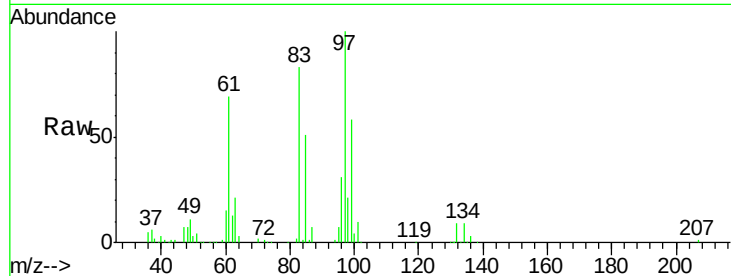
#55
 1,1,2-Trichloroethane
 Concen: 44.675 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	152339
Ion	Ratio	Lower	Upper
97	100		
83	83.2	70.1	105.1
85	51.4	44.5	66.7
99	58.2	47.1	70.7

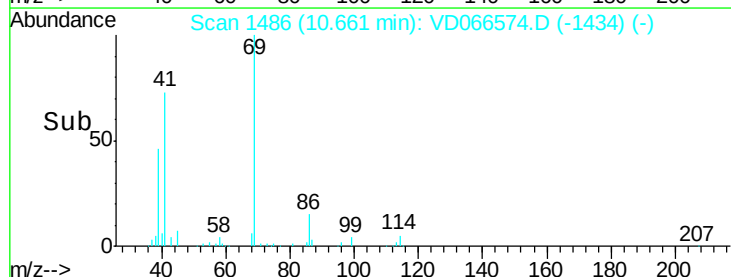
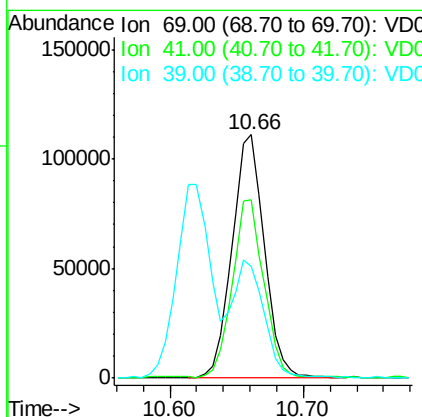
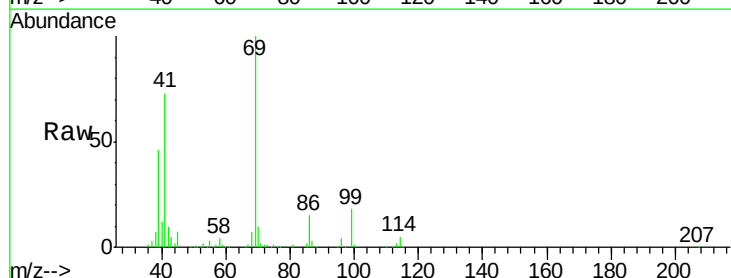
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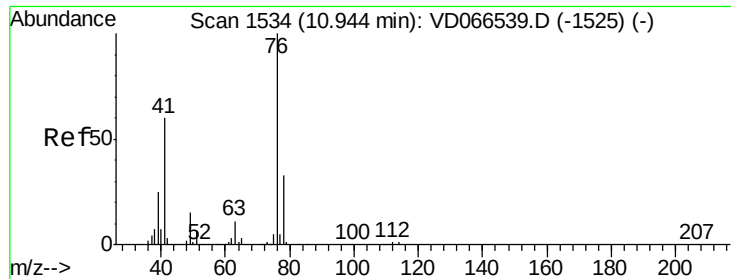
MMDadoda
 9/10/2020 10:46:45 AM



#56
 Ethyl methacrylate
 Concen: 47.216 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion:	69	Resp:	187465
Ion	Ratio	Lower	Upper
69	100		
41	70.1	56.8	85.2
39	48.0	30.6	46.0#





#57

1,3-Dichloropropane

Concen: 44.270 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 264416

Ion Ratio Lower Upper

76 100

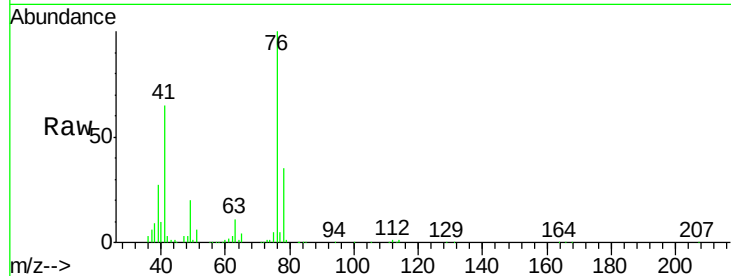
78 32.9 25.8 38.8

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MMDadoda

9/10/2020 10:46:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.94

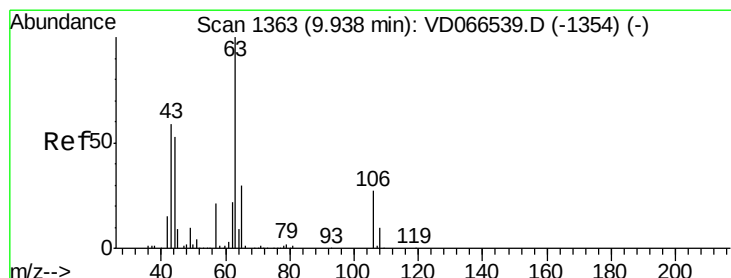
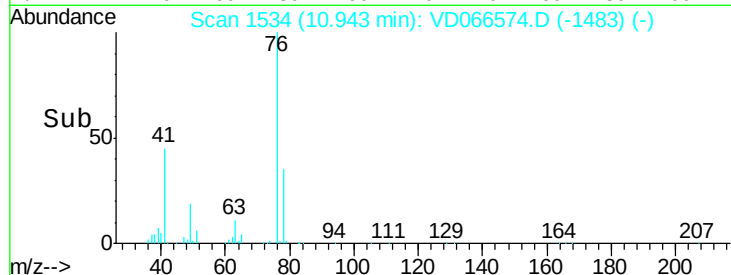
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 250.046 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066574.D

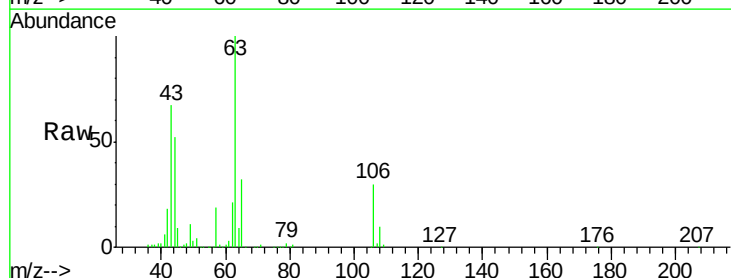
Acq: 09 Sep 2020 11:00

Tgt Ion: 63 Resp: 454089

Ion Ratio Lower Upper

63 100

106 28.7 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

300000

250000

200000

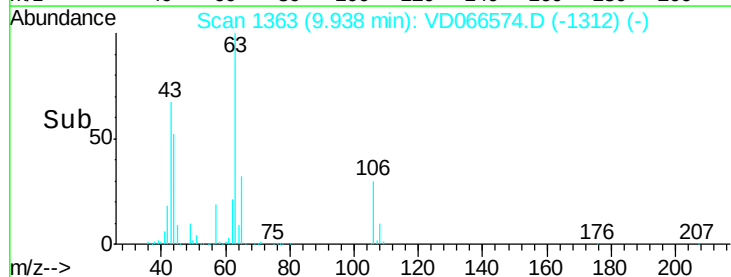
150000

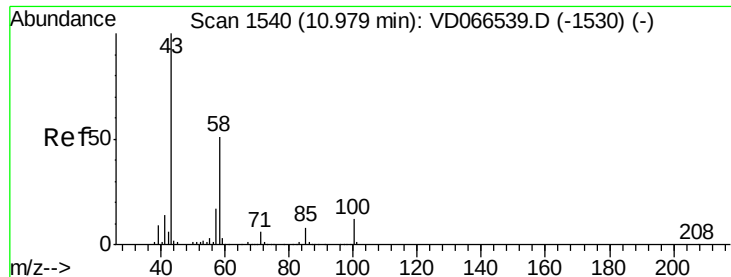
100000

50000

0

Time-->





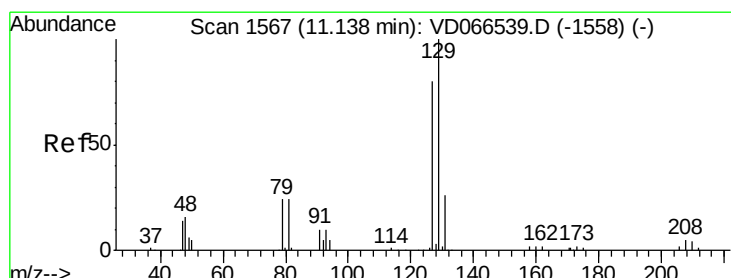
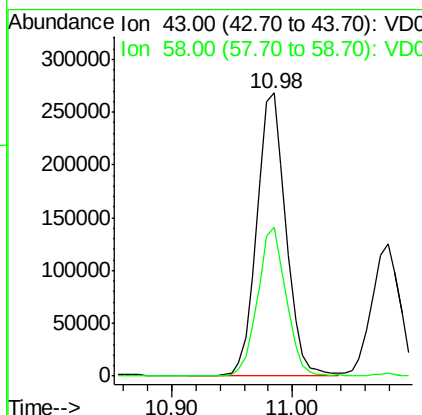
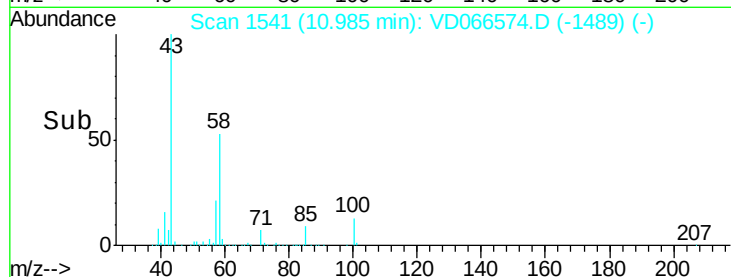
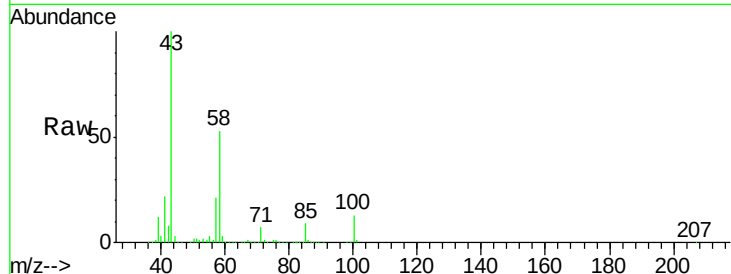
#59
2-Hexanone
Concen: 248.687 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 449206
Ion Ratio Lower Upper
43 100
58 51.6 25.6 76.8

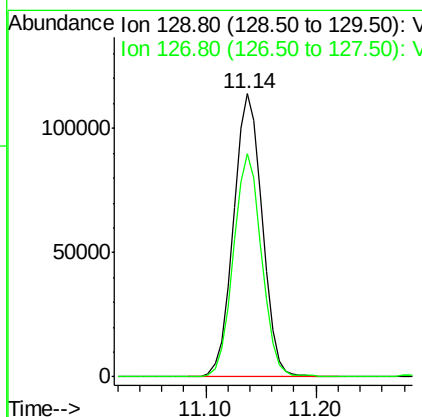
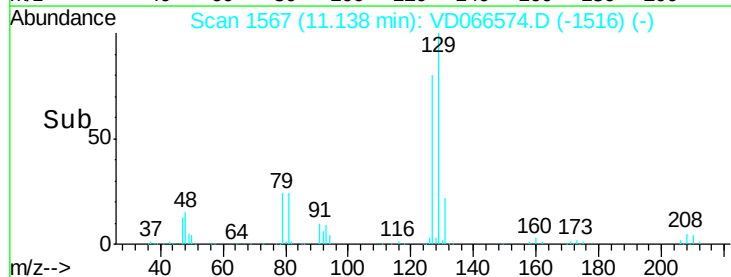
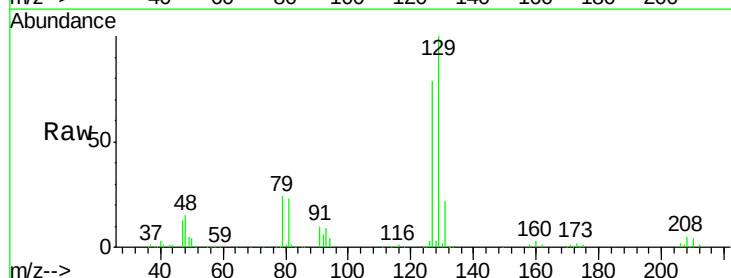
Manual Integrations
APPROVED

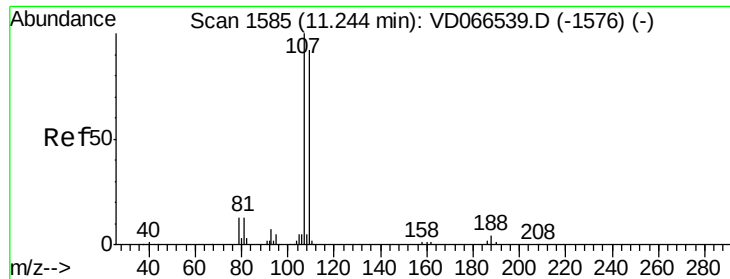
MMDadoda
9/10/2020 10:46:45 AM



#60
Dibromochloromethane
Concen: 46.285 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion: 129 Resp: 208707
Ion Ratio Lower Upper
129 100
127 77.2 39.5 118.3





#61

1,2-Dibromoethane

Concen: 44.684 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 148239

Ion Ratio Lower Upper

107 100

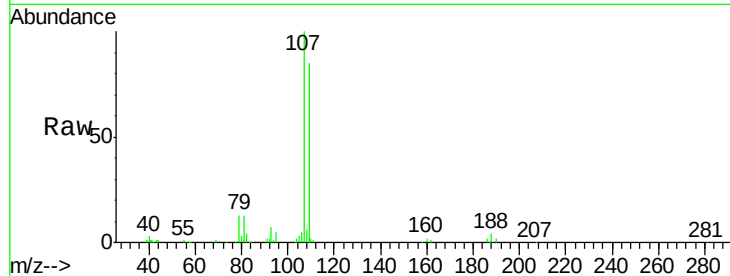
109 93.4 74.4 111.6

Manual Integrations

APPROVED

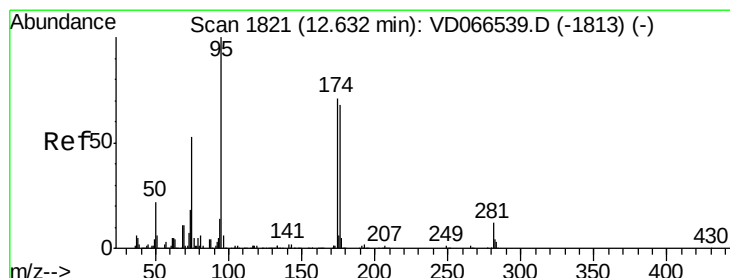
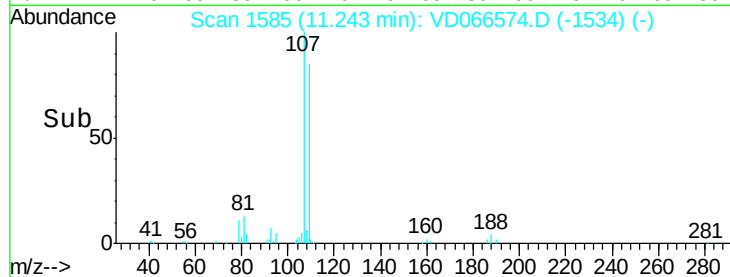
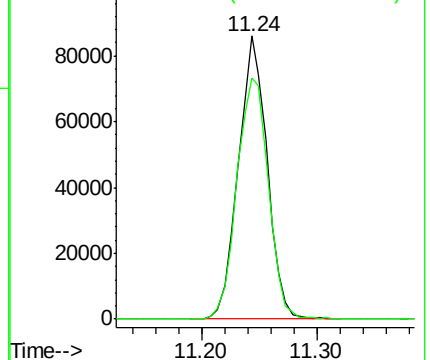
MMDadoda

9/10/2020 10:46:45 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.035 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

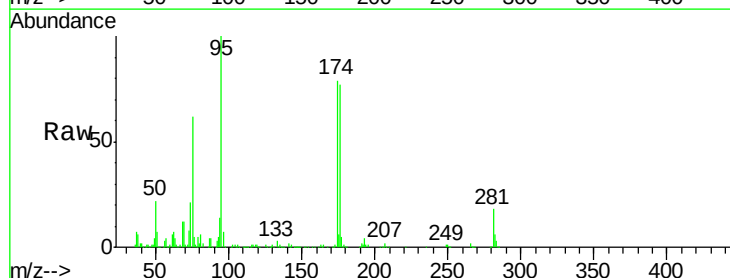
Tgt Ion: 95 Resp: 289728

Ion Ratio Lower Upper

95 100

174 77.9 0.0 155.8

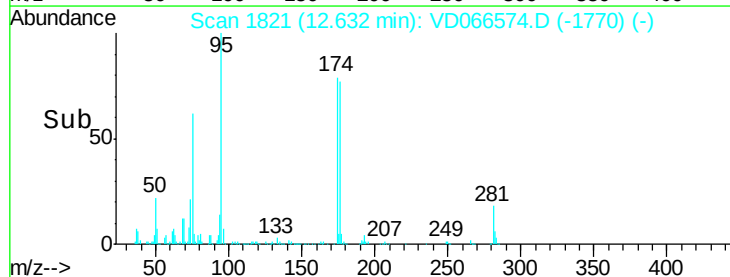
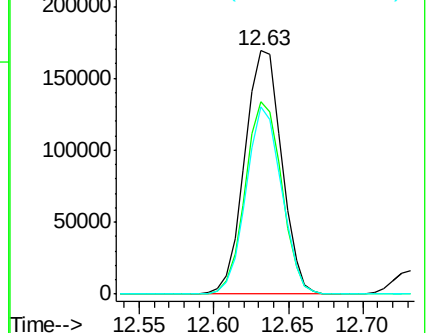
176 74.0 0.0 148.6

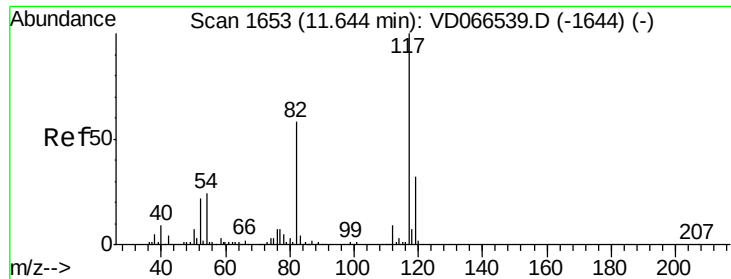


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





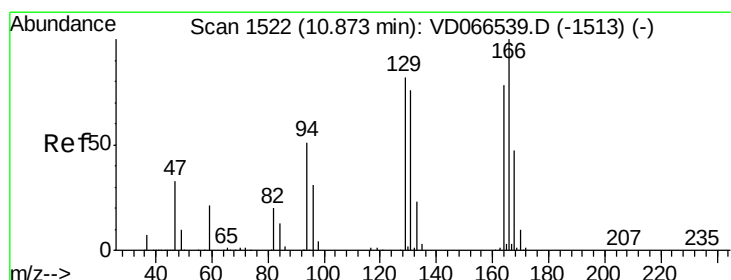
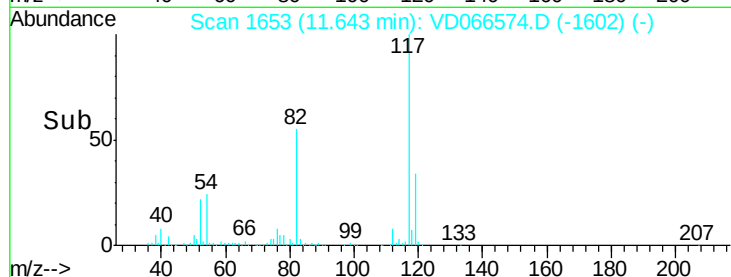
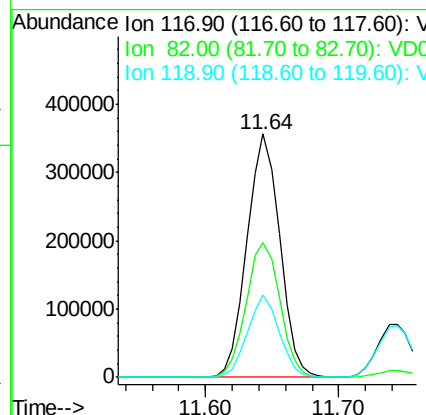
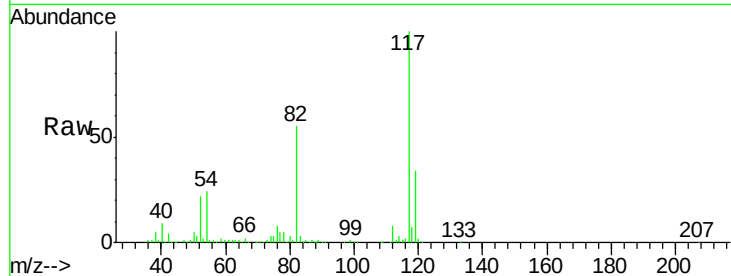
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	604853		
82	55.4	46.2	69.2	
119	33.9	25.8	38.8	

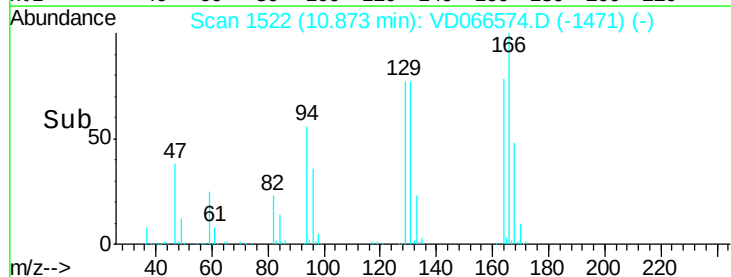
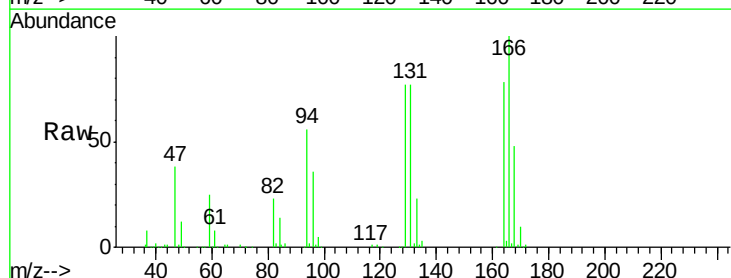
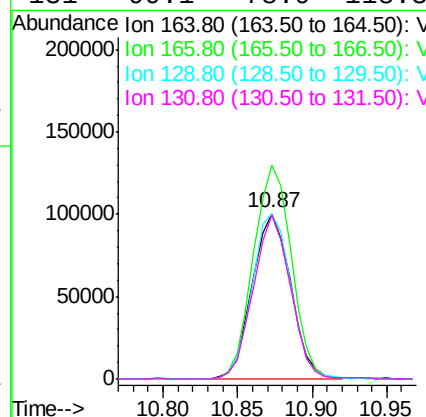
Manual Integrations
APPROVED

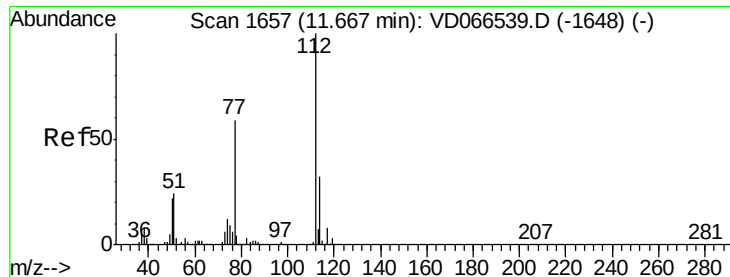
MMDadoda
9/10/2020 10:46:45 AM



#64
Tetrachloroethene
Concen: 44.014 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179247		
166	128.9	103.2	154.8	
129	99.9	84.5	126.7	
131	99.1	78.9	118.3	





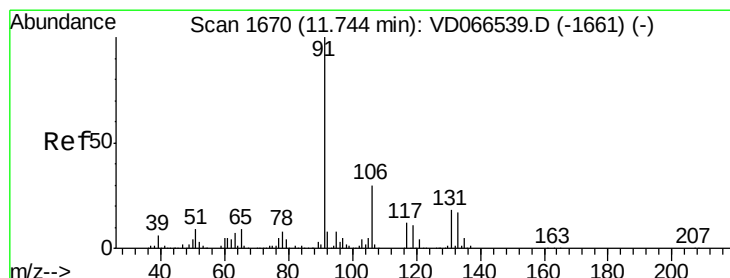
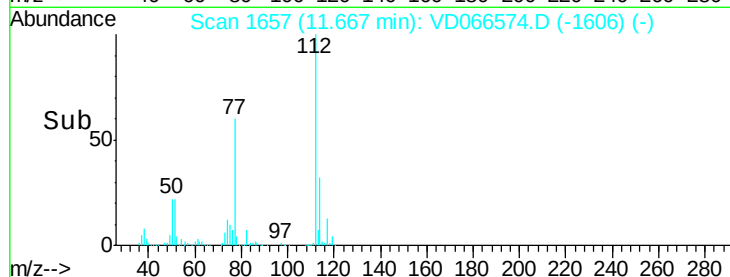
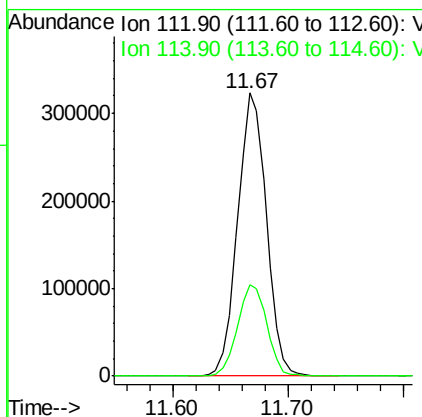
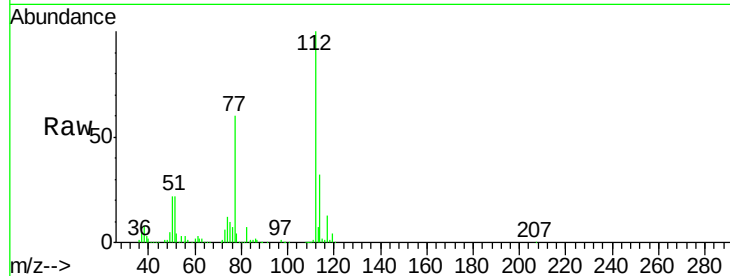
#65
Chlorobenzene
Concen: 44.683 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.7	38.5

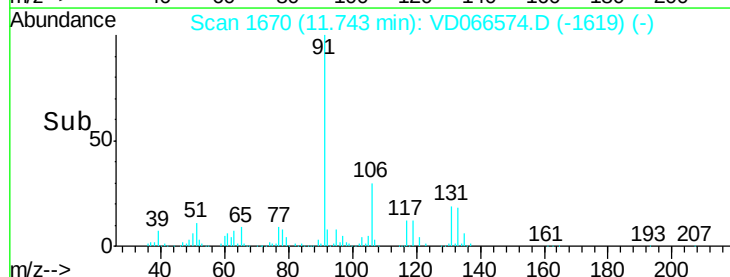
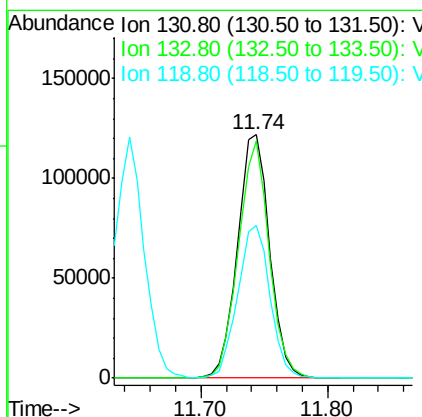
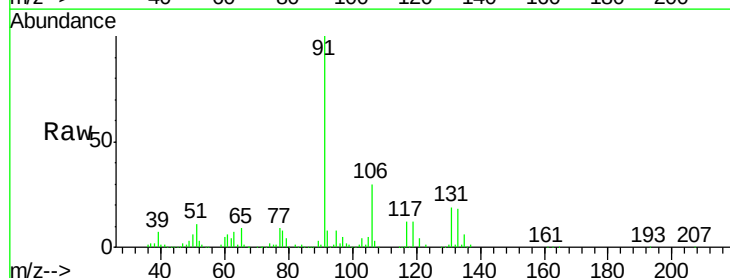
Manual Integrations
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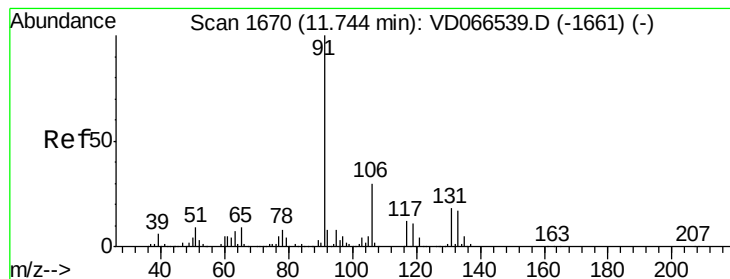
MMDadoda
9/10/2020 10:46:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 44.891 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	46.7	140.0
119	63.3	31.9	95.7





#67

Ethyl Benzene

Concen: 46.264 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1060490

Ion Ratio Lower Upper

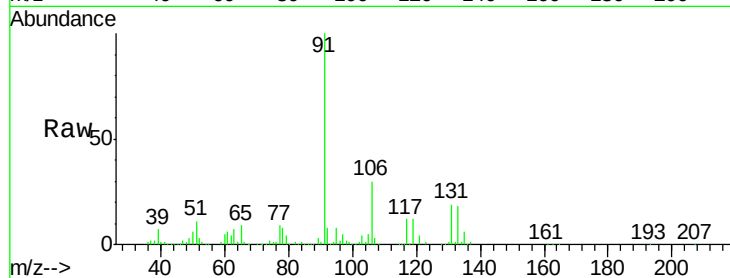
91 100

106 30.1 24.3 36.5

Manual Integrations
APPROVED

MMDadoda

9/10/2020 10:46:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VD066539.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD066539.D (-1661) (-)

1000000

800000

600000

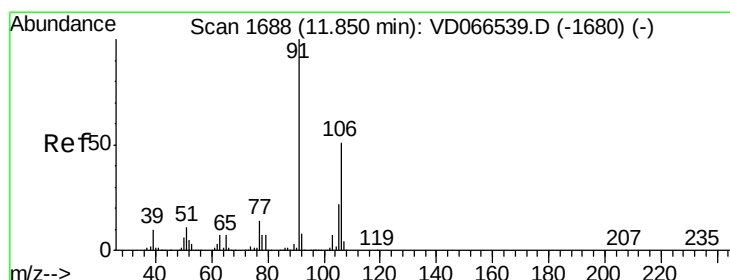
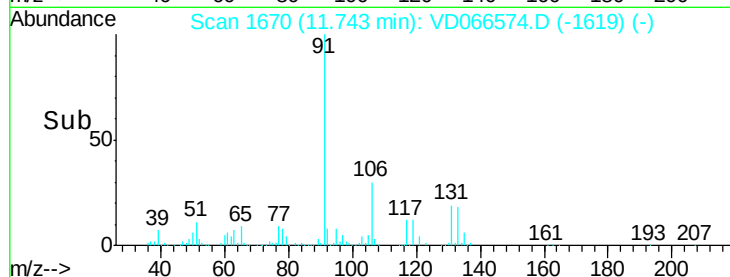
400000

200000

0

11.70 11.80

Time-->



#68

m/p-Xylenes

Concen: 92.514 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066574.D

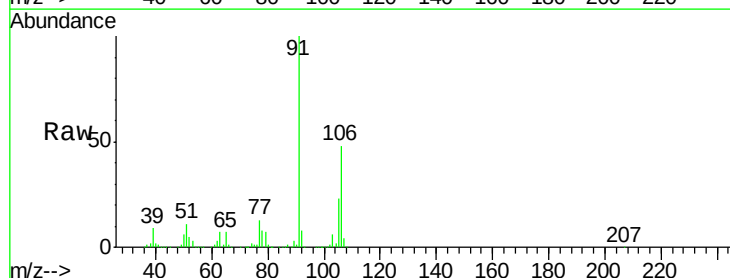
Acq: 09 Sep 2020 11:00

Tgt Ion: 106 Resp: 787403

Ion Ratio Lower Upper

106 100

91 209.4 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): VD066539.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066539.D (-1680) (-)

1000000

800000

600000

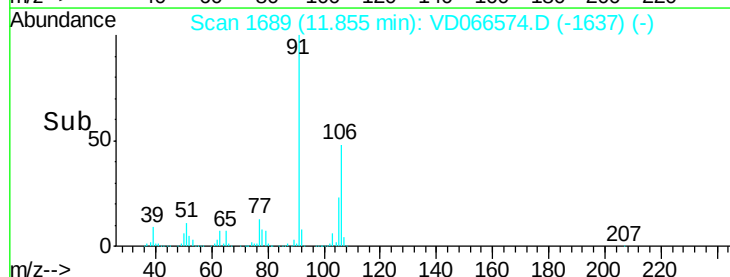
400000

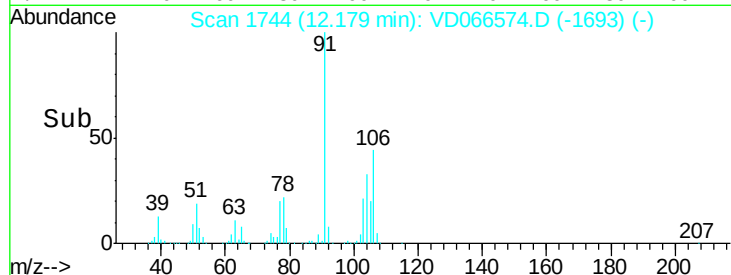
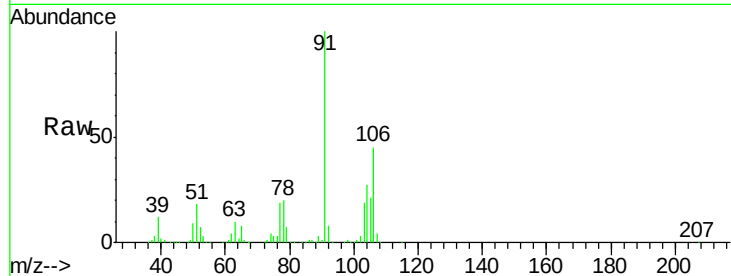
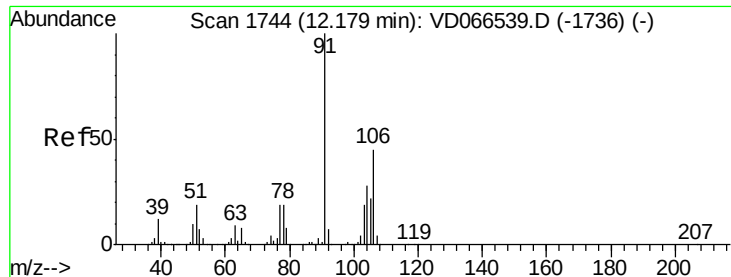
200000

0

11.80 11.90

Time-->





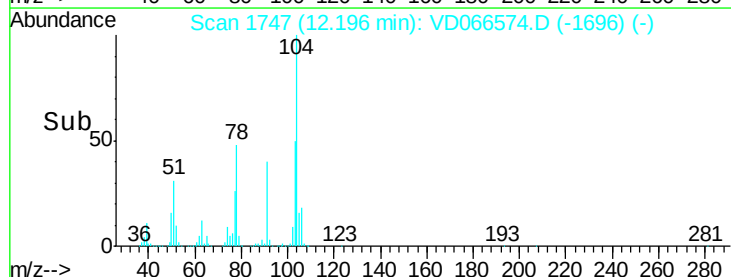
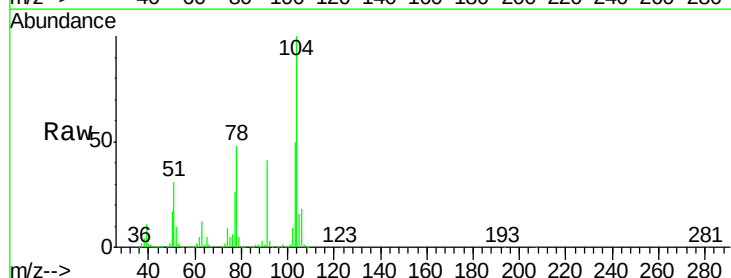
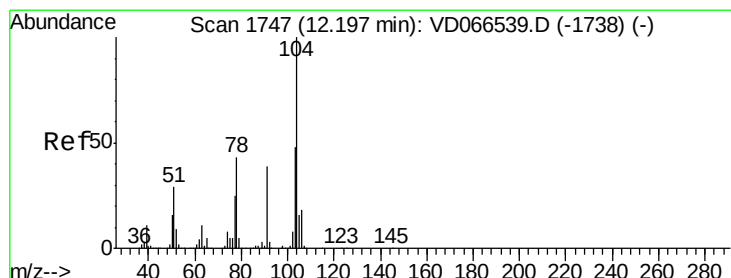
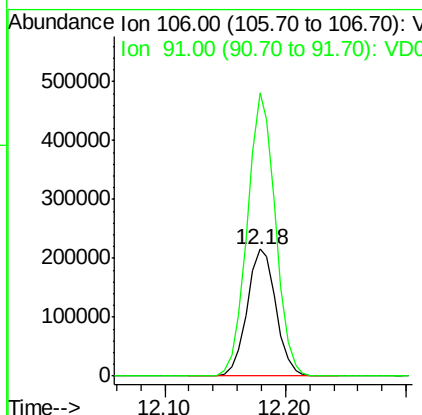
#69
o-Xylene
Concen: 46.900 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tot Ion	Ratio	Resp	Lower	Upper
106	100	357738		
91	217.7	107.9	323.8	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

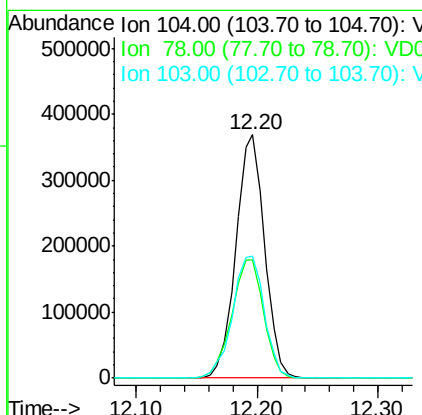
Manual Integrations
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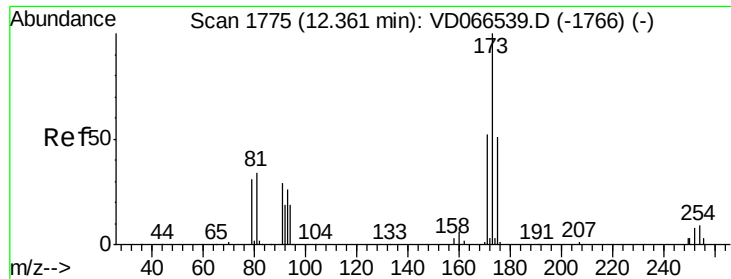
MMDadoda
9/10/2020 10:46:45 AM



#70
Styrene
Concen: 46.175 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	612318		
78	54.0	40.7	61.1	
103	55.4	42.9	64.3	





#71

Bromoform

Concen: 46.178 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 110878

Ion Ratio Lower Upper

173 100

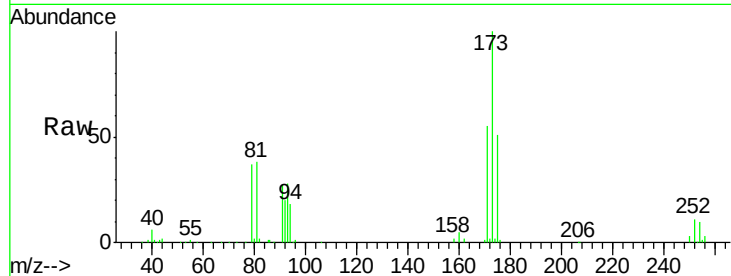
175 46.3 24.2 72.6

254 0.2 0.0 0.0#

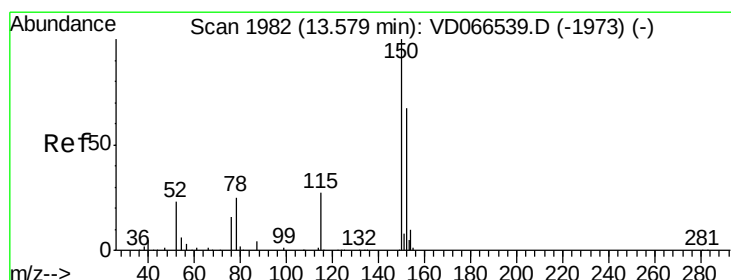
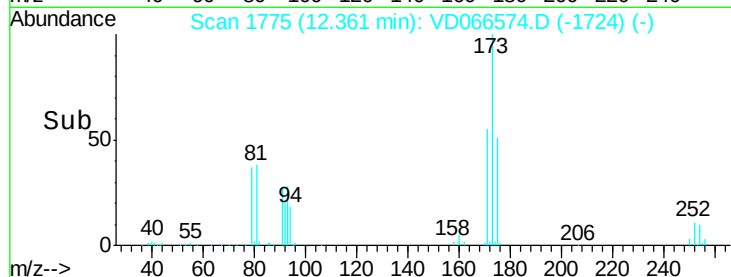
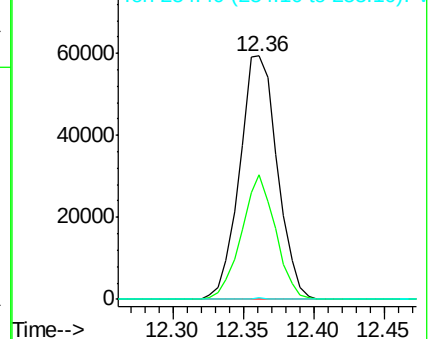
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

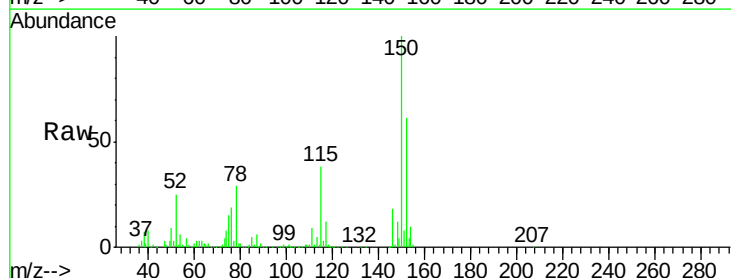
Tgt Ion:152 Resp: 276803

Ion Ratio Lower Upper

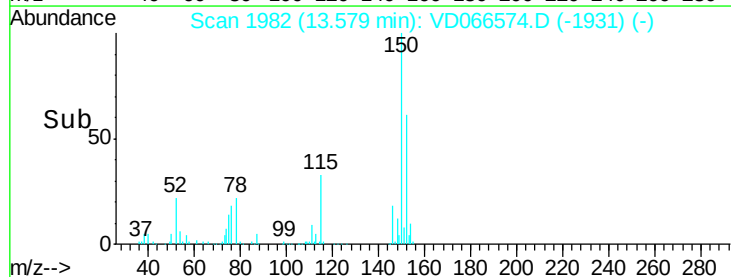
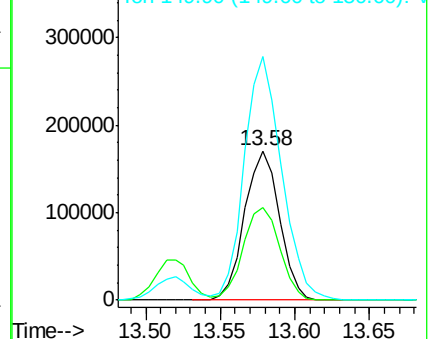
152 100

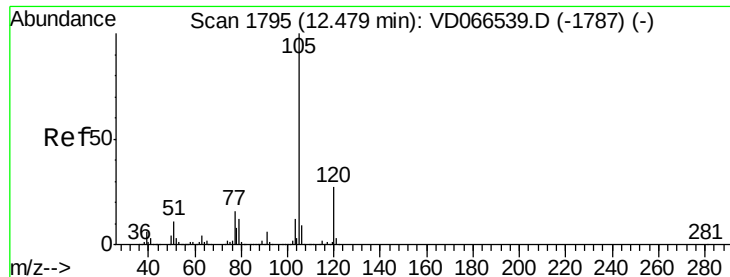
115 65.2 30.4 91.2

150 174.7 0.0 345.8



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





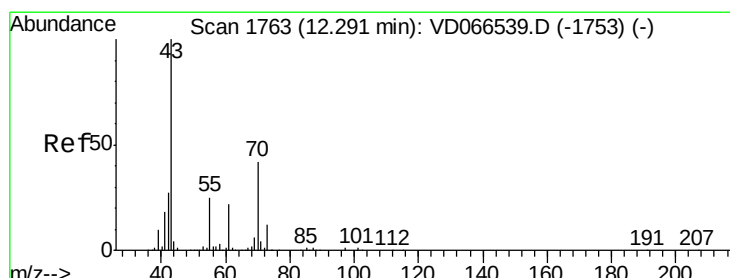
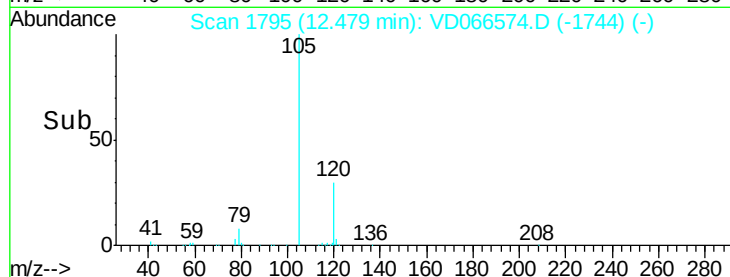
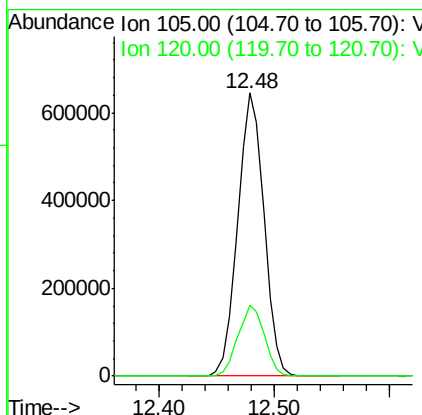
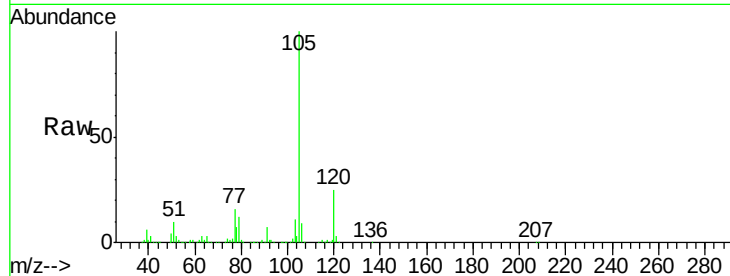
#73
Isopropylbenzene
Concen: 49.585 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1016195
Ion Ratio Lower Upper
105 100
120 25.2 13.0 39.0

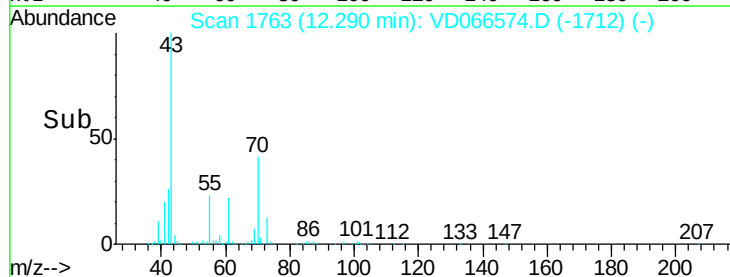
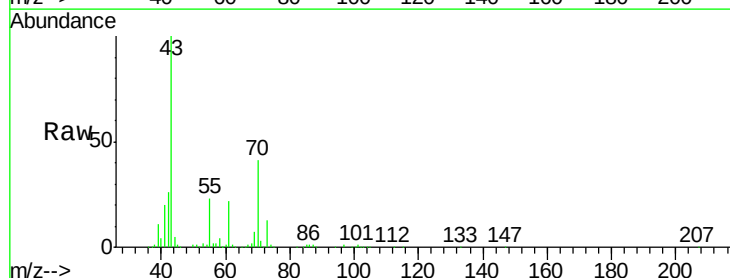
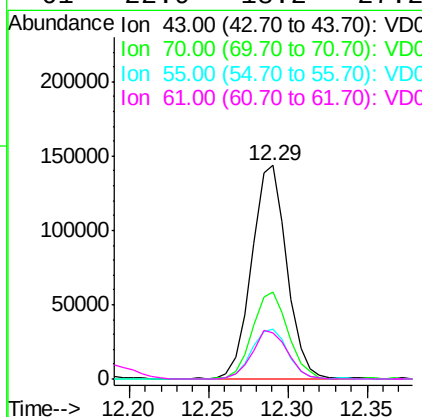
Manual Integrations
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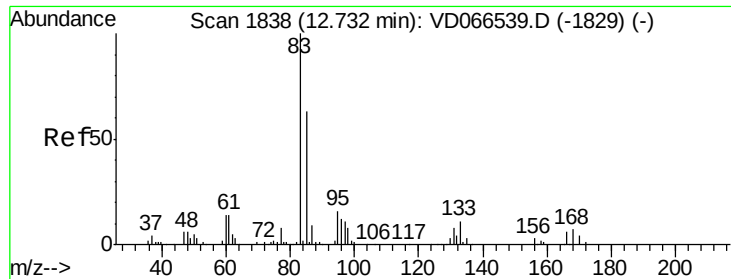
MMDadoda
9/10/2020 10:46:45 AM



#74
N-ethyl acetate
Concen: 47.648 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion: 43 Resp: 221166
Ion Ratio Lower Upper
43 100
70 41.6 33.4 50.2
55 24.2 20.1 30.1
61 22.9 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.318 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

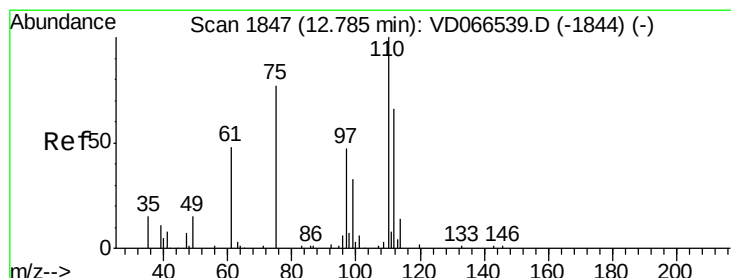
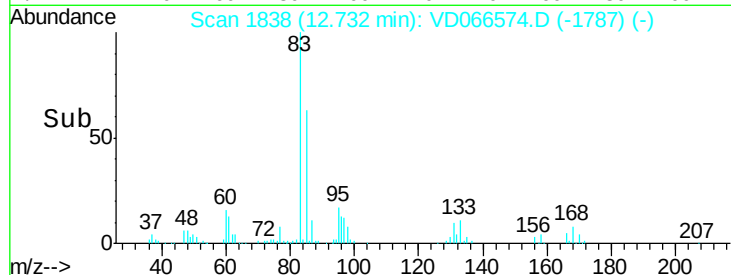
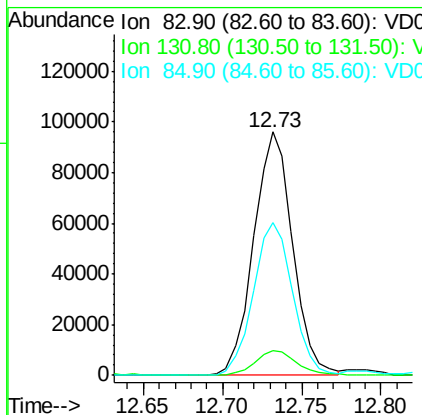
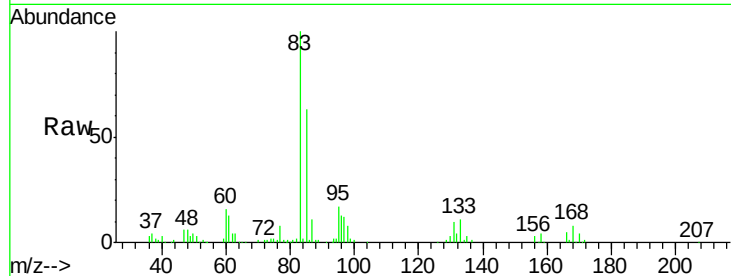
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164081
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	15.0
85	63.2	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
9/10/2020 10:46:45 AM



#76

1,2,3-Trichloropropane

Concen: 50.598 ug/l m

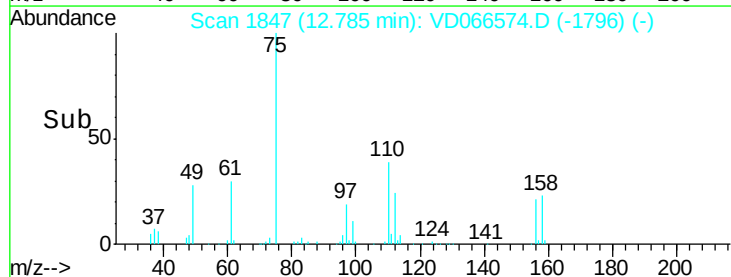
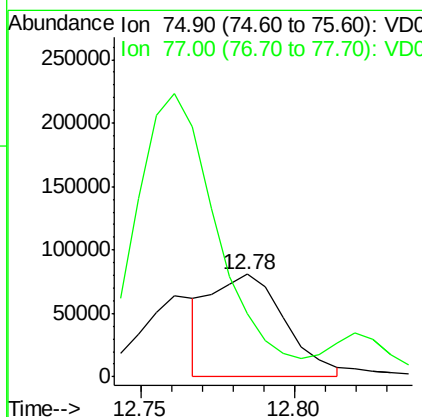
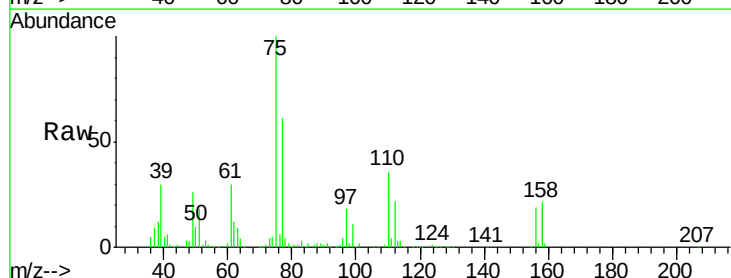
RT: 12.78 min Scan# 1847

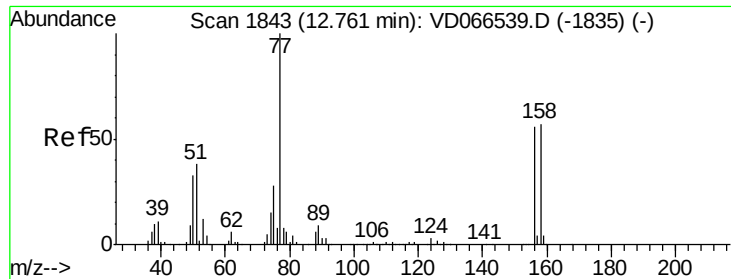
Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Tgt Ion:	75	Resp:	134696
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.163 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

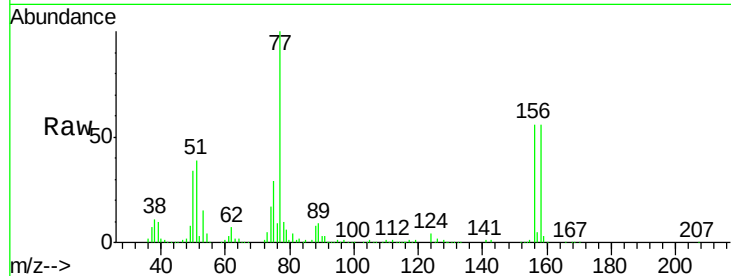
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	215489
Ion Ratio	Lower	Upper	
156	100		
77	195.0	98.0	294.1
158	98.8	48.1	144.3

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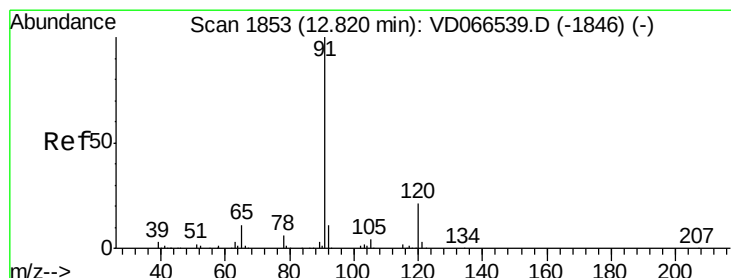
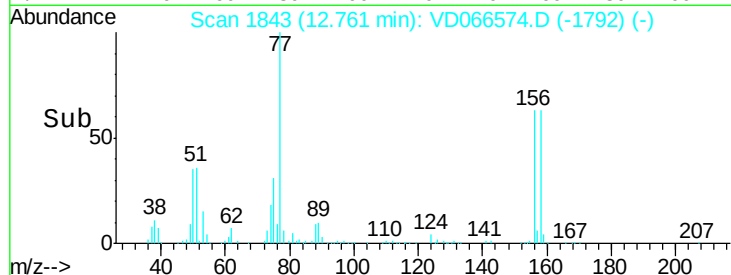
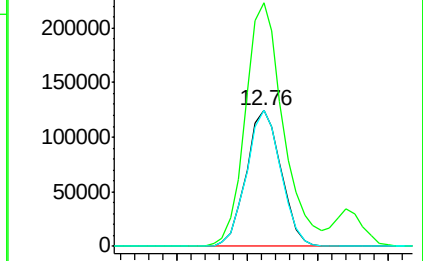
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.736 ug/l

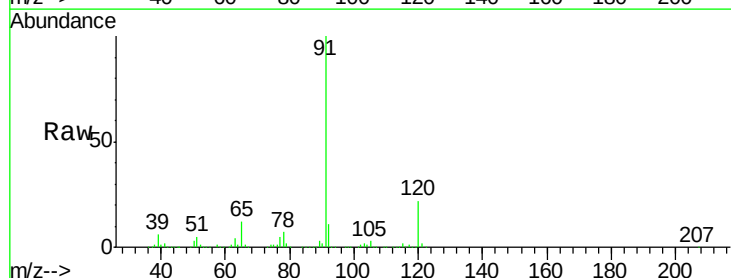
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066574.D

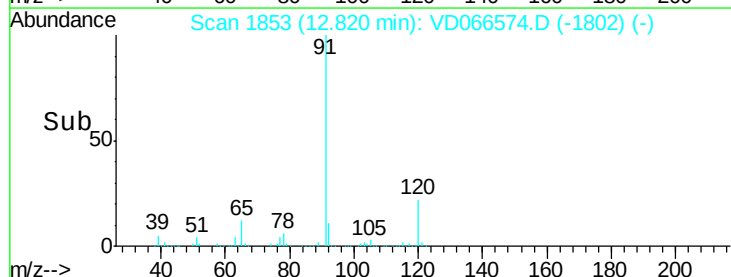
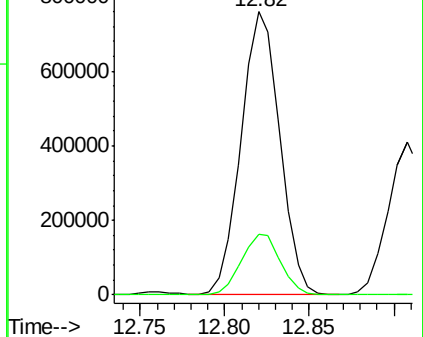
Acq: 09 Sep 2020 11:00

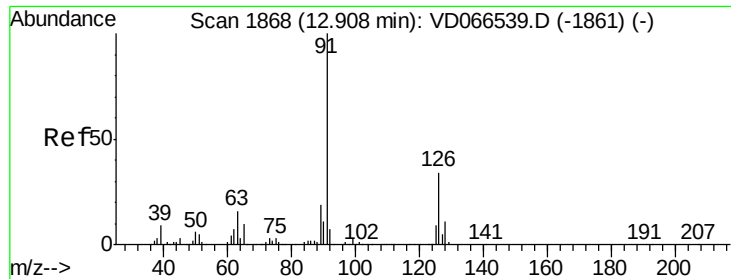
Tgt Ion:	91	Resp:	1210805
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.338 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 673707

Ion Ratio Lower Upper

91 100

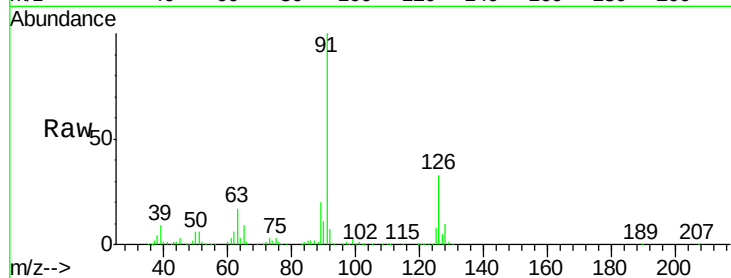
126 32.5 16.4 49.4

Manual Integrations

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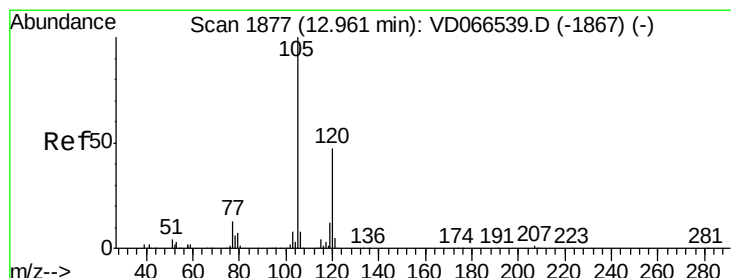
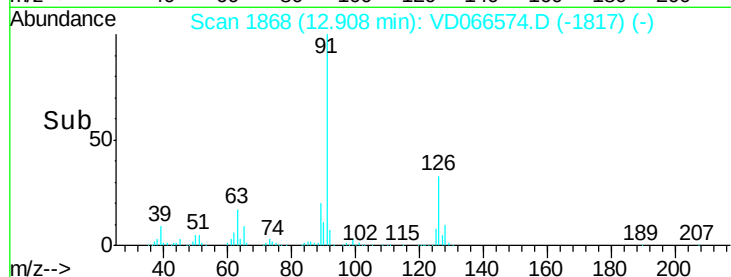
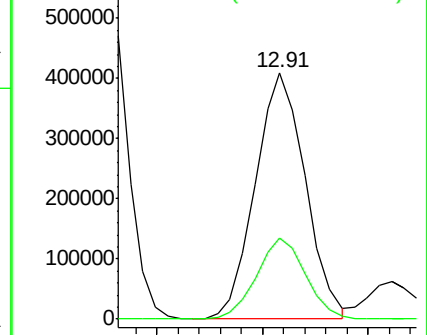
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.850 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066574.D

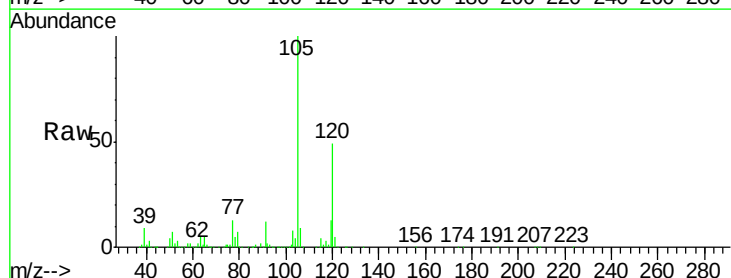
Acq: 09 Sep 2020 11:00

Tgt Ion: 105 Resp: 842633

Ion Ratio Lower Upper

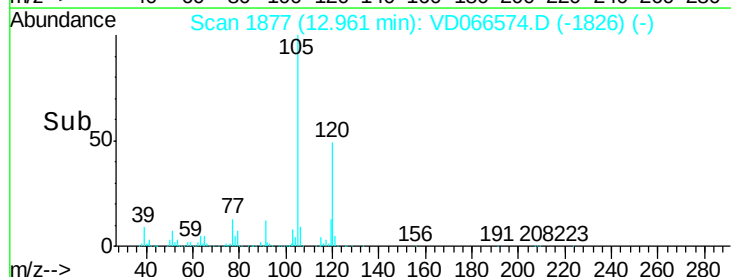
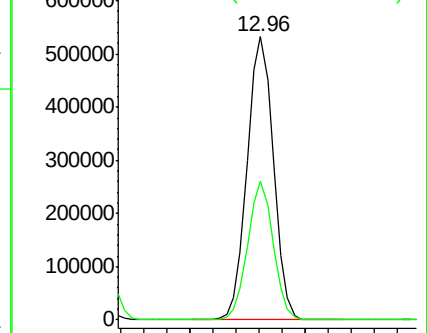
105 100

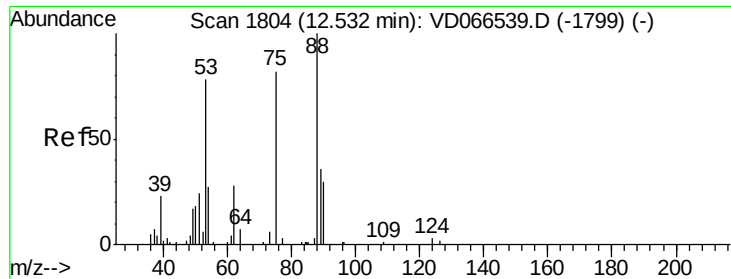
120 47.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.115 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

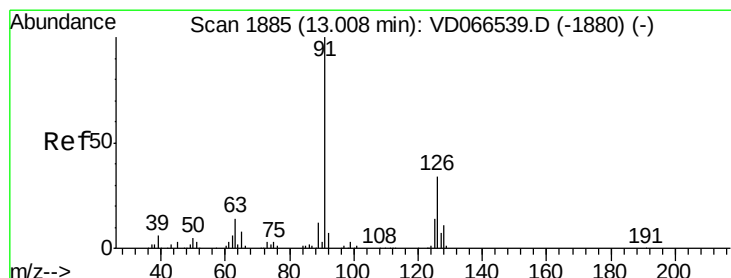
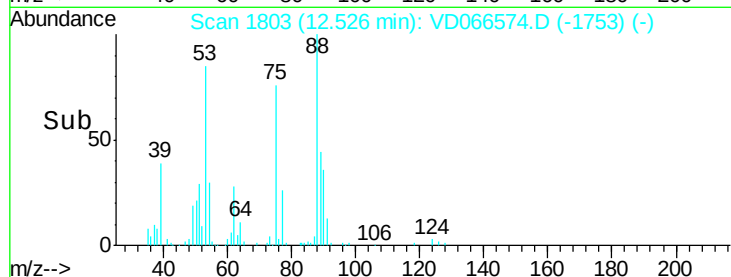
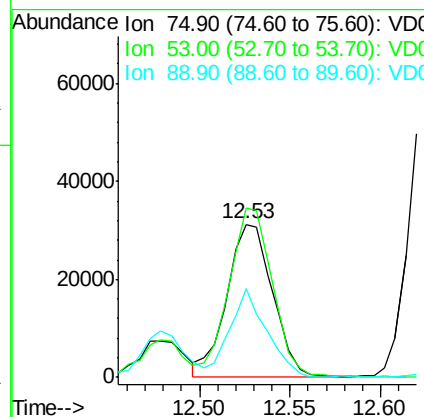
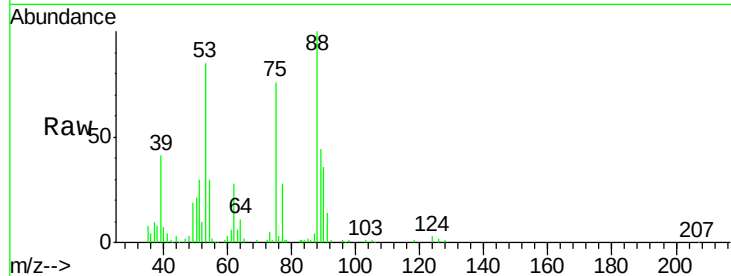
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	54864
Ion	Ratio	Lower	Upper
75	100		
53	106.3	87.0	130.4
89	46.8	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.108 ug/l

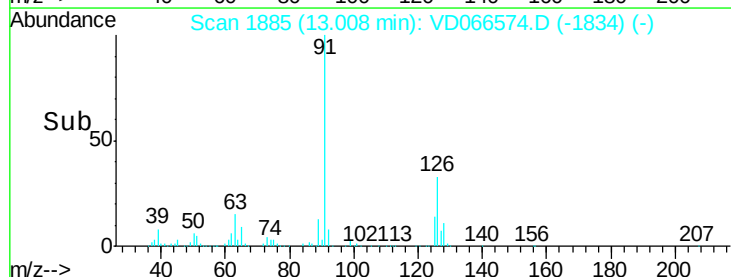
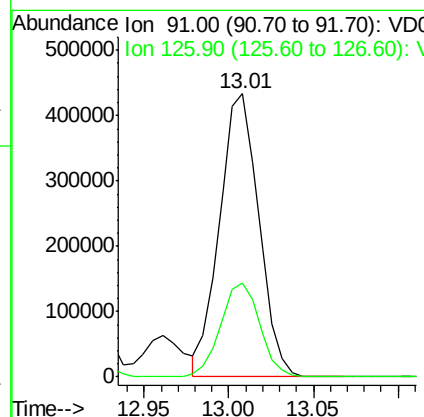
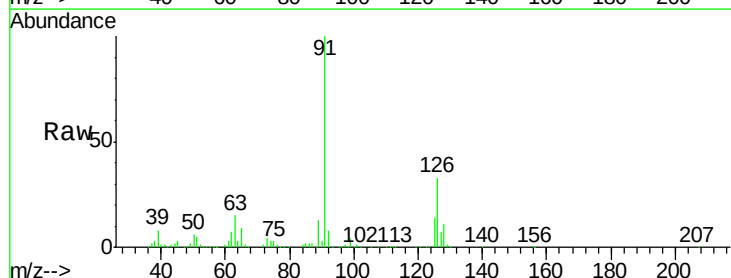
RT: 13.01 min Scan# 1885

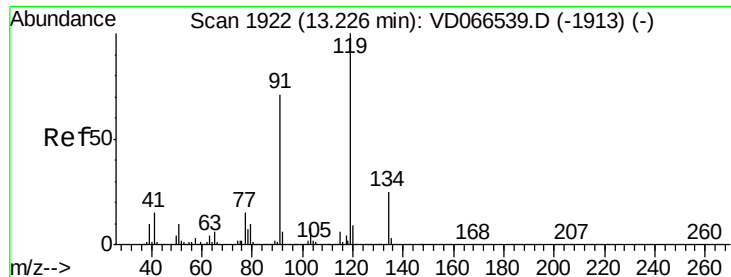
Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Tgt Ion:	91	Resp:	702116
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.1





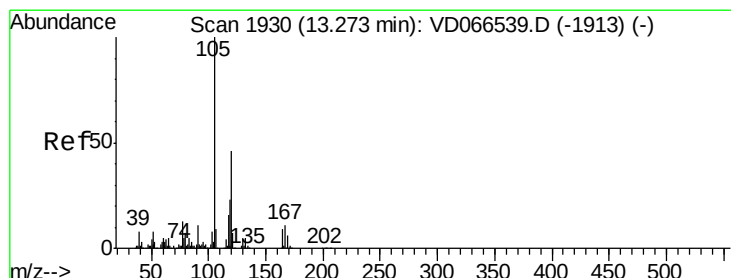
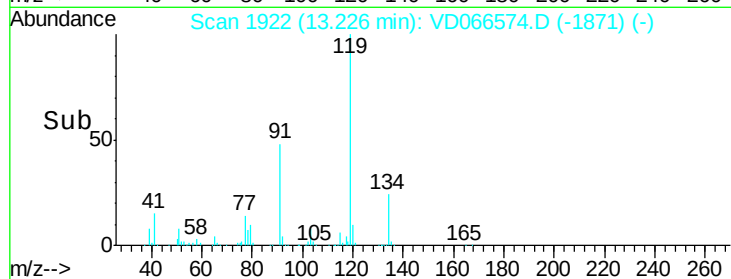
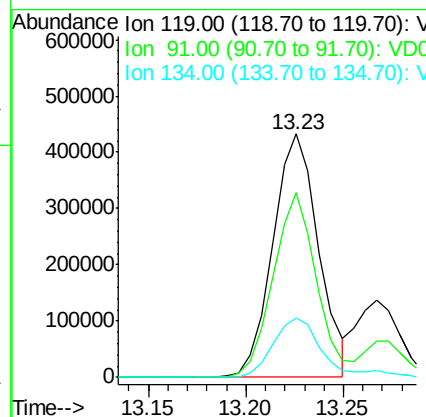
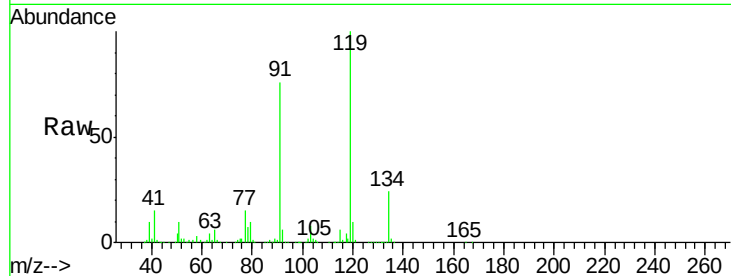
#83
 tert-Butylbenzene
 Concen: 49.697 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	700038		
91	72.4		35.2	105.6
134	26.7		13.5	40.5

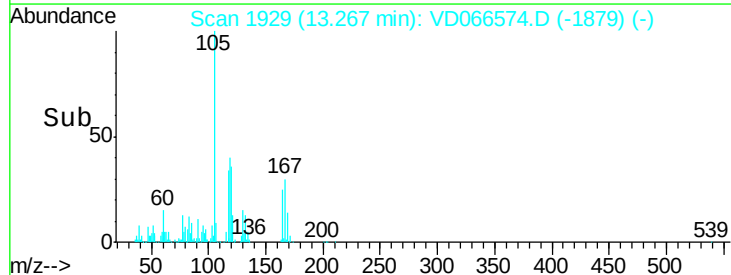
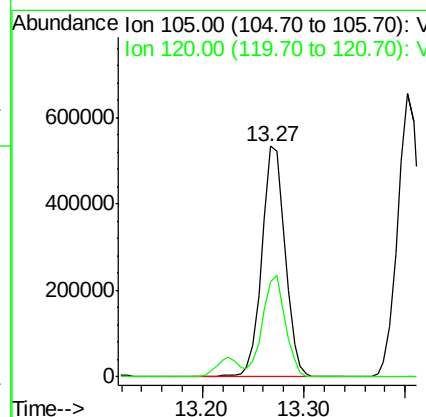
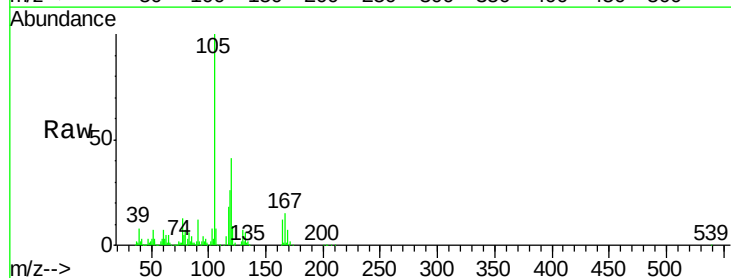
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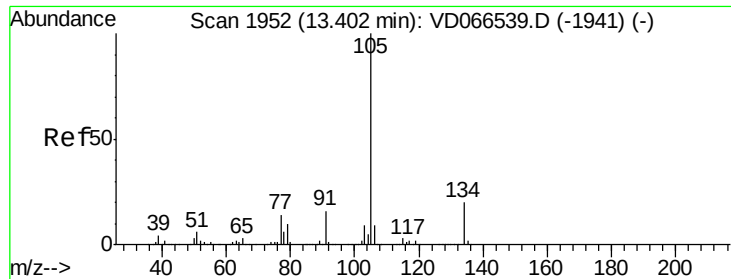
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.550 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	850963		
120	42.7		22.6	67.7





#85

sec-Butylbenzene

Concen: 49.539 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1005355

Ion Ratio Lower Upper

105 100

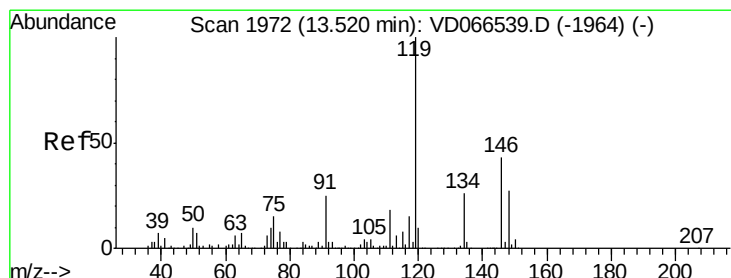
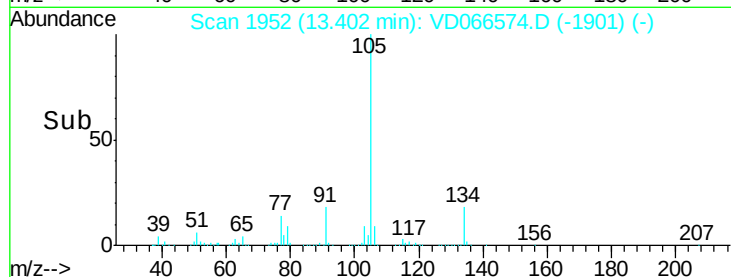
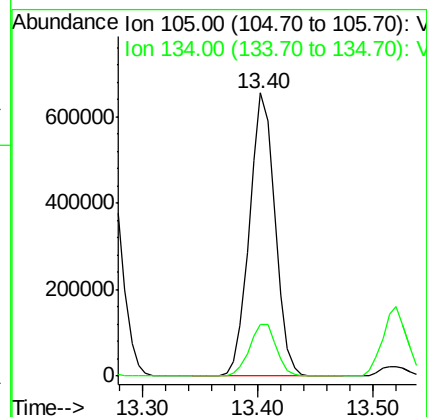
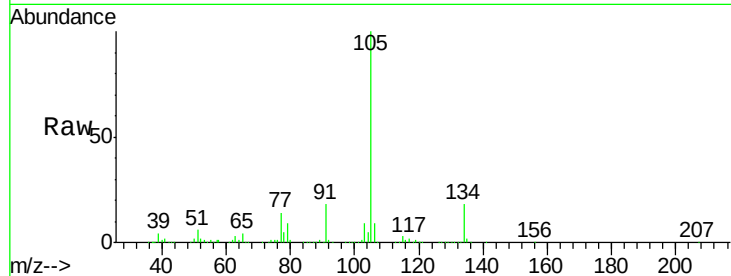
134 19.2 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.227 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

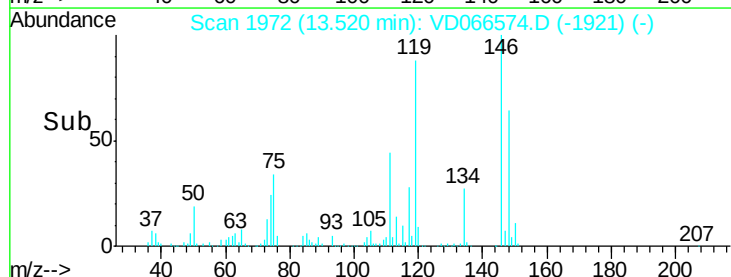
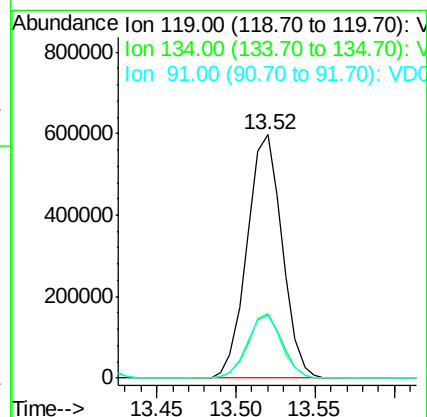
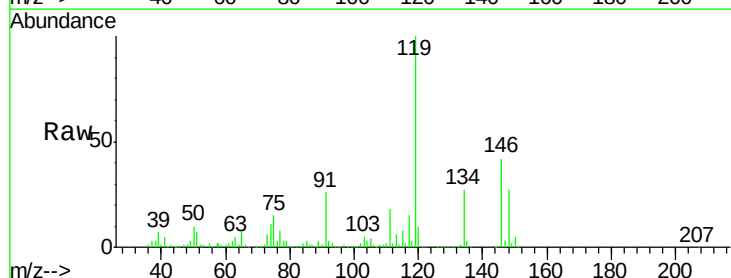
Tgt Ion:119 Resp: 917458

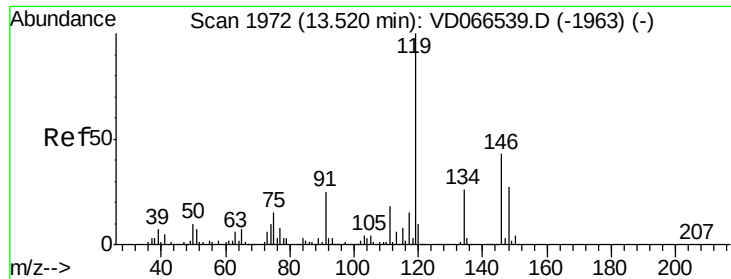
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.0

91 25.4 12.5 37.5





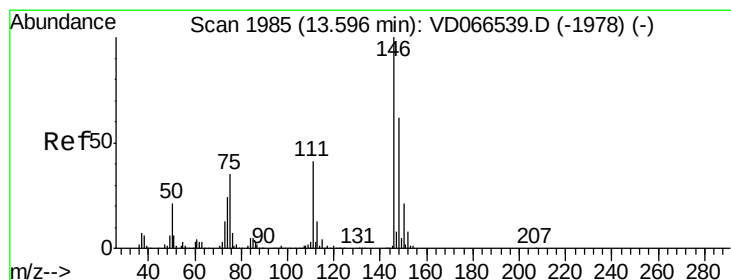
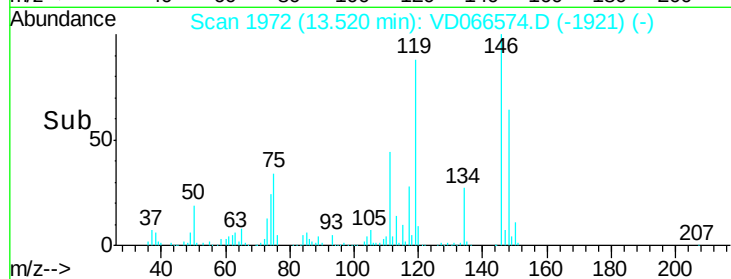
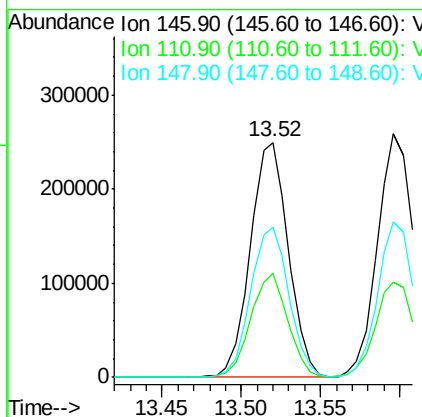
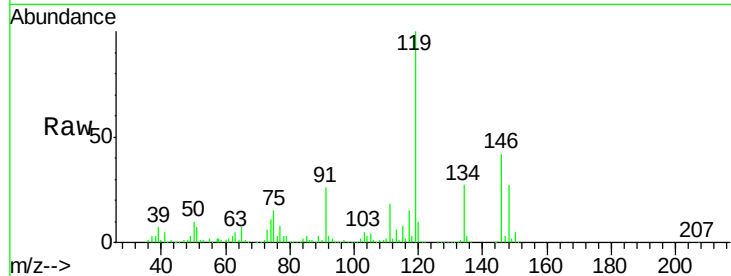
#87
 1,3-Dichlorobenzene
 Concen: 45.850 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	415890		
111	43.2	20.6	61.9	
148	64.7	32.1	96.3	

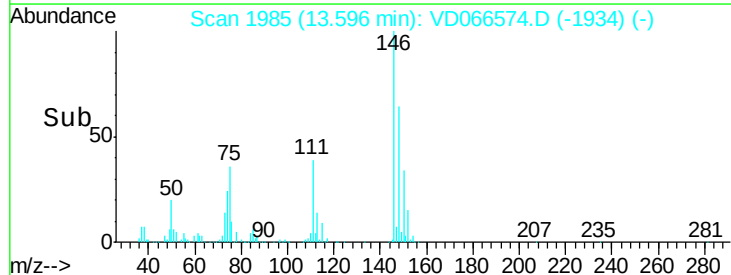
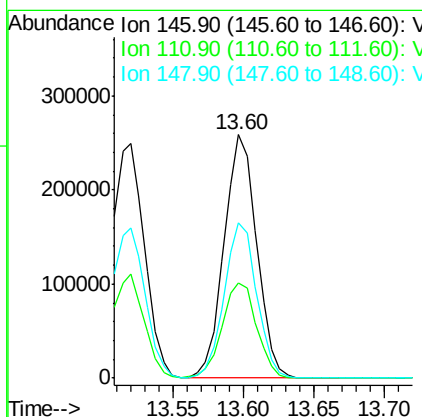
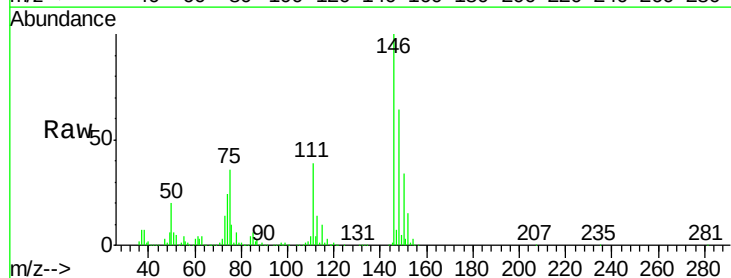
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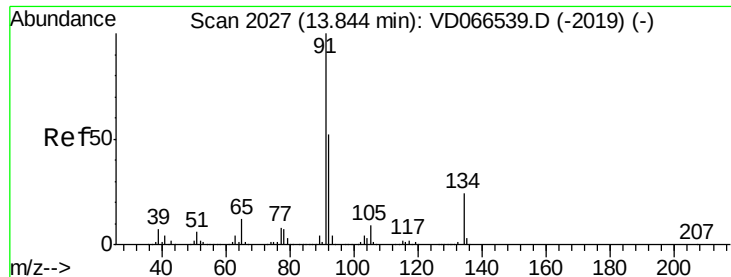
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#88
 1,4-Dichlorobenzene
 Concen: 45.651 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	415623		
111	41.6	20.1	60.2	
148	63.5	31.6	94.8	





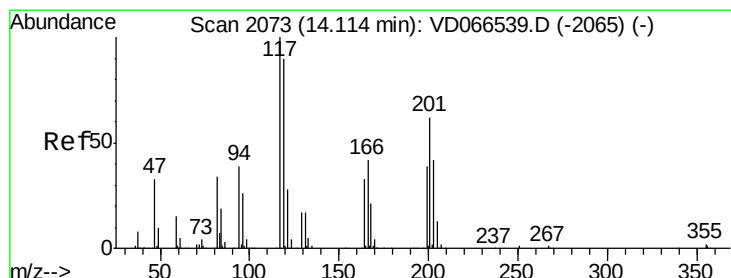
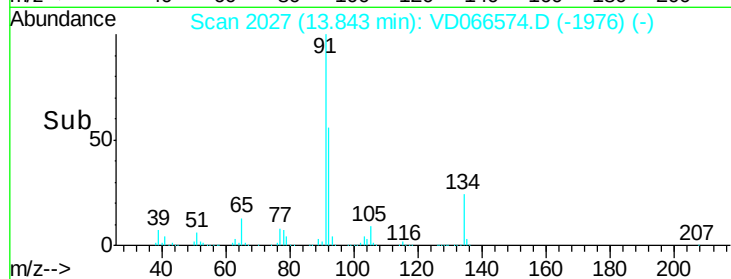
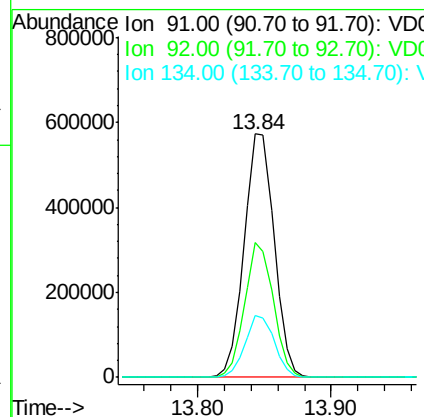
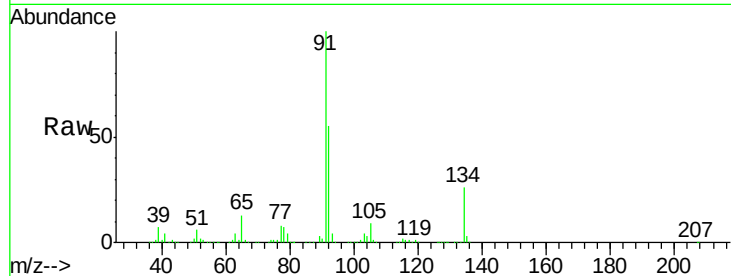
#89
n-Butylbenzene
Concen: 50.099 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	891751		
92	52.5	26.5	79.5	
134	24.7	12.1	36.3	

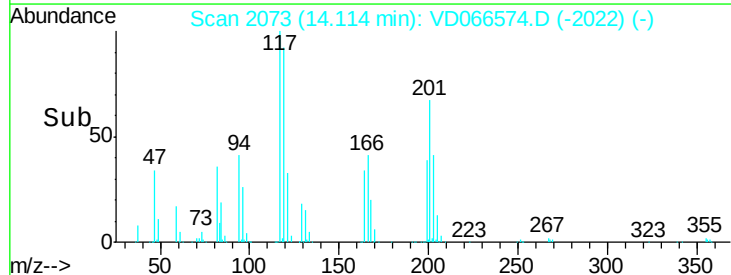
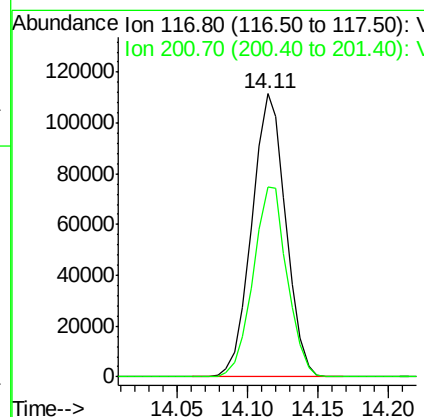
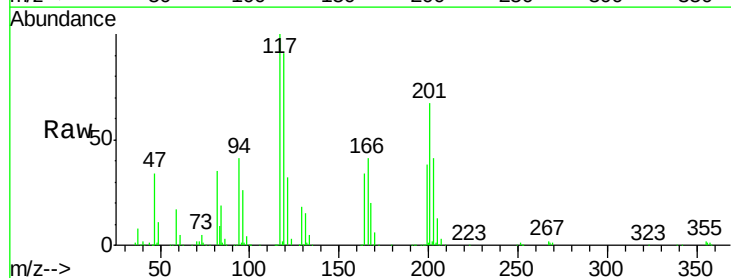
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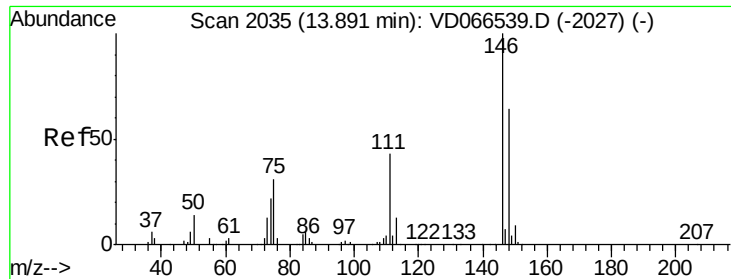
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#90
Hexachloroethane
Concen: 47.809 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066574.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	188165		
201	67.3	31.9	95.5	





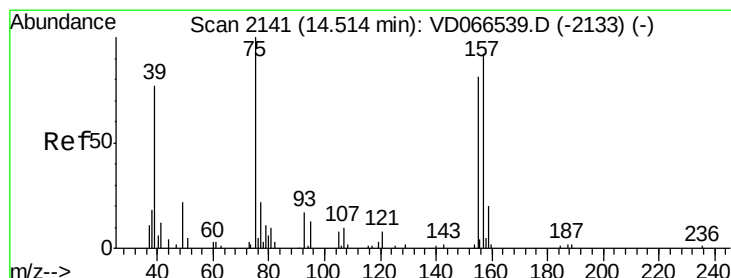
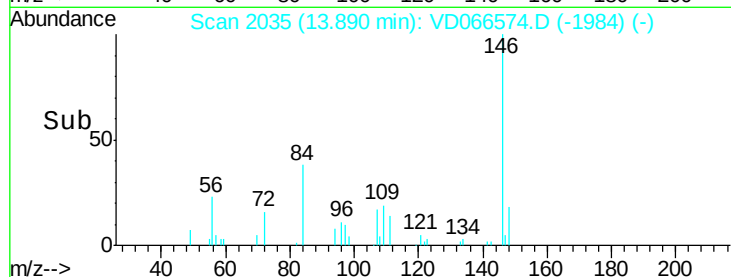
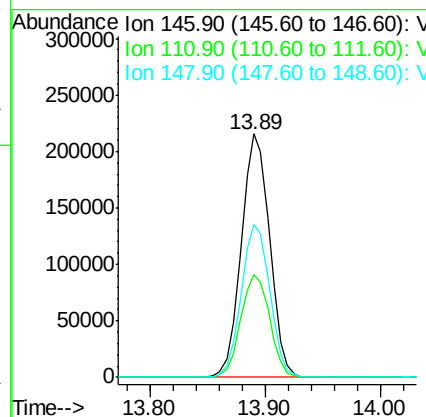
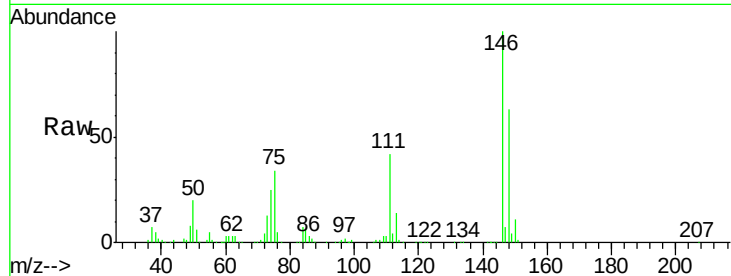
#91
 1,2-Dichlorobenzene
 Concen: 46.104 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	63.3	31.8	95.3

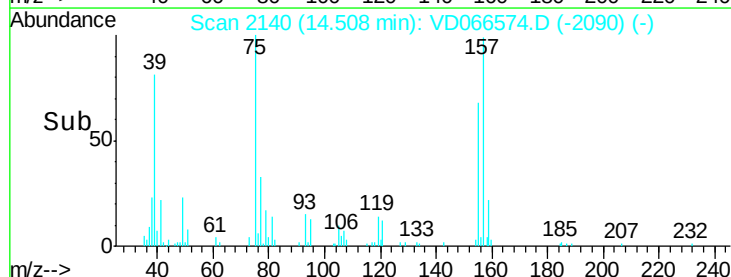
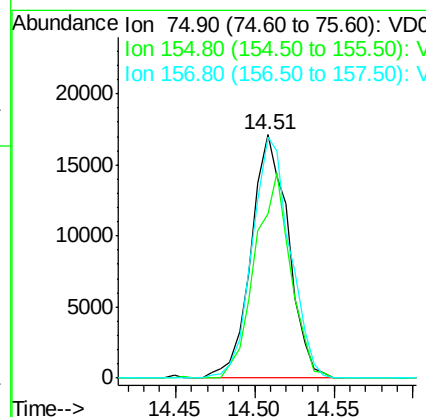
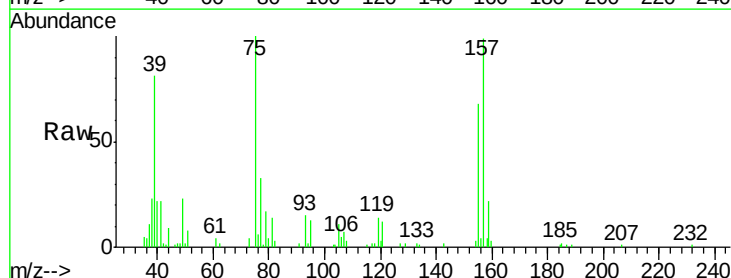
Manual Integrations
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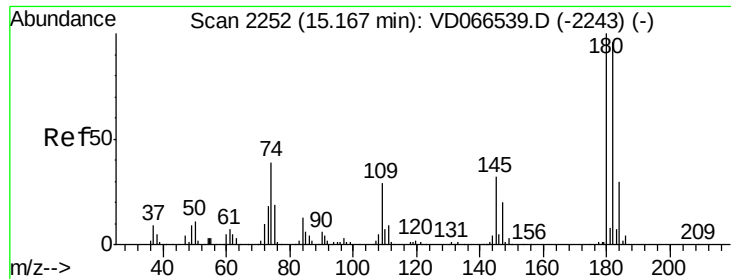
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.538 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	39.3	117.8
157	100.1	46.0	137.8





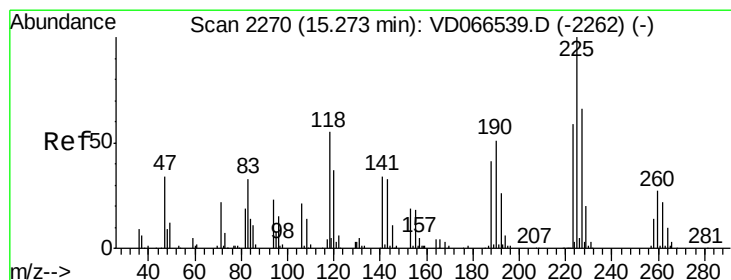
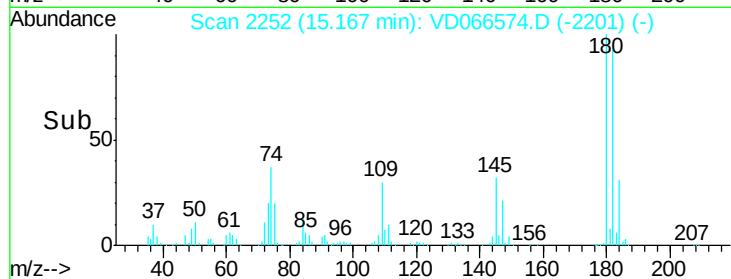
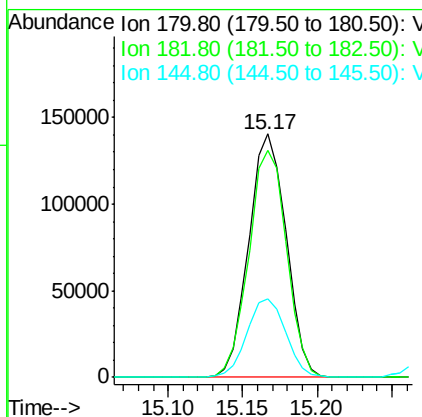
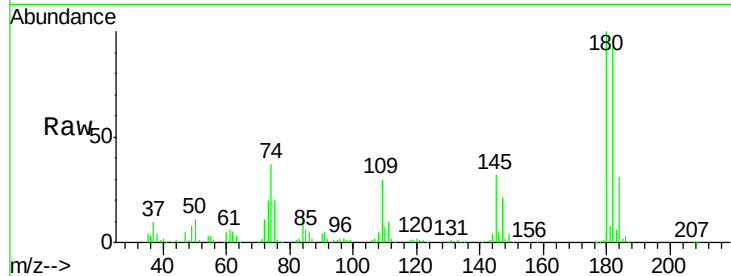
#93
 1,2,4-Trichlorobenzene
 Concen: 51.228 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	243756		
182	94.0	48.4	145.0	
145	33.2	16.7	50.0	

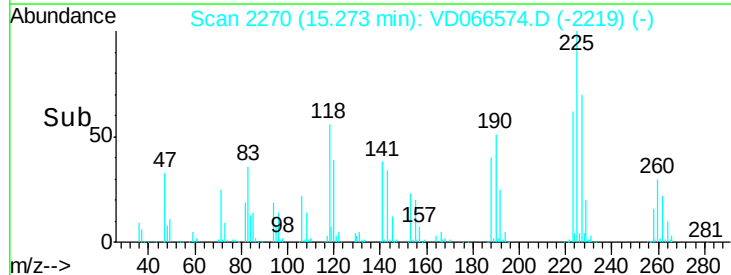
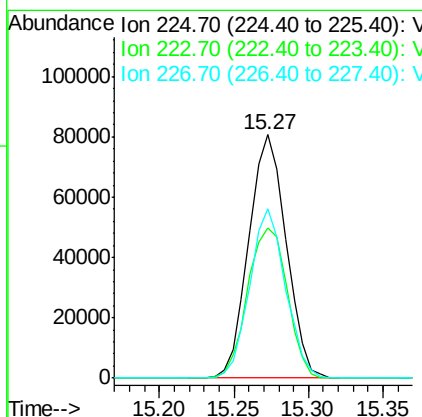
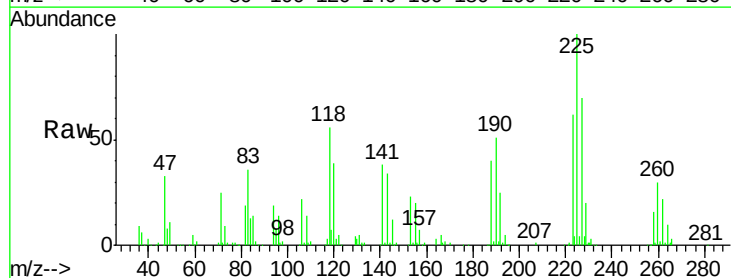
Manual Integrations
 APPROVED

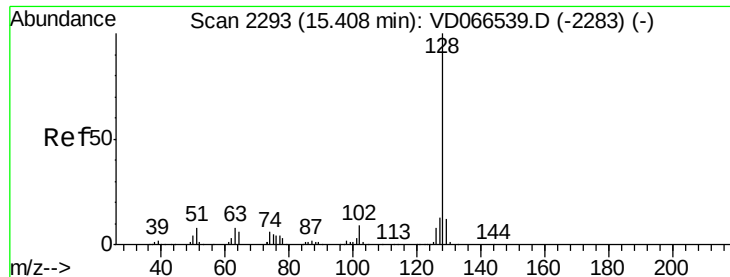
MMDadoda
 9/10/2020 10:46:45 AM



#94
 Hexachlorobutadiene
 Concen: 48.980 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066574.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	140015		
223	65.4	30.5	91.5	
227	66.5	32.4	97.2	





#95

Naphthalene

Concen: 54.229 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_D

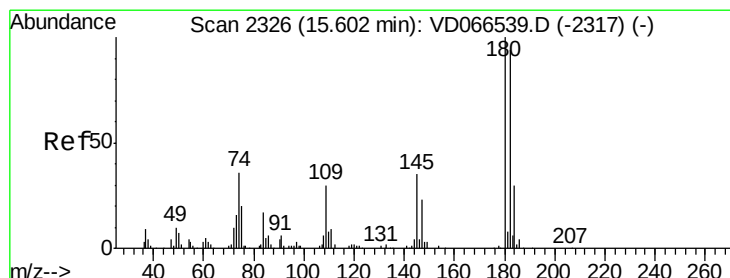
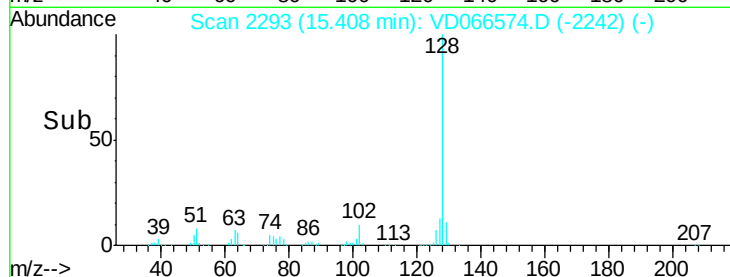
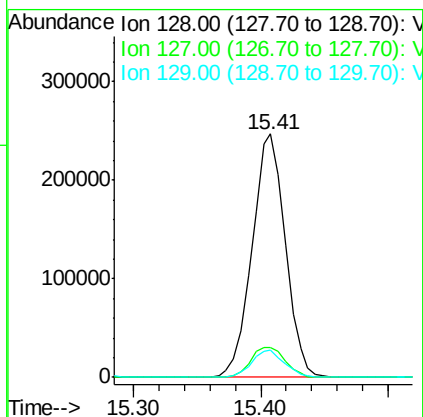
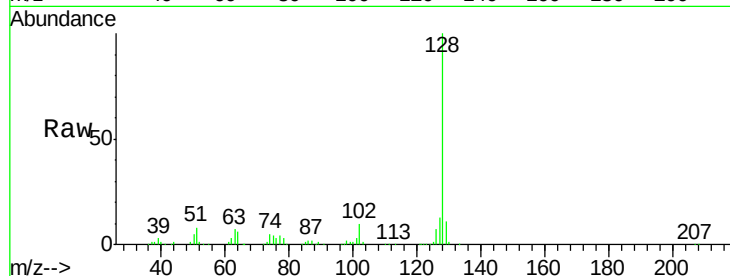
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	450900
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.0	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/10/2020 10:46:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.478 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066574.D

Acq: 09 Sep 2020 11:00

Tgt Ion:	180	Resp:	208831
Ion Ratio		Lower	Upper
180	100		
182	94.8	47.9	143.6
145	35.6	17.3	51.7

