

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067143.D
 Acq On : 07 Oct 2020 10:59
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 5:39:29 PM

Quant Time: Oct 08 07:50:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	372799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	538712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	177770	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.91	113	190412	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.34	98	690956	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.63	95	244488	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78017	23.353	ug/l	99
3) Chloromethane	2.21	50	54753	18.442	ug/l	100
4) Vinyl Chloride	2.35	62	56109	18.848	ug/l	98
5) Bromomethane	2.76	94	42768	19.660	ug/l	97
6) Chloroethane	2.92	64	35356	19.502	ug/l	93
7) Trichlorofluoromethane	3.27	101	133832	20.235	ug/l	98
8) Diethyl Ether	3.70	74	30098	18.351	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75338	20.153	ug/l	98
10) Methyl Iodide	4.30	142	67649	18.624	ug/l	99
11) Tert butyl alcohol	5.21	59	24280	82.899	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	69876	19.884	ug/l	83
13) Acrolein	3.91	56	19022	79.114	ug/l	99
14) Allyl chloride	4.71	41	77638	17.006	ug/l	91
15) Acrylonitrile	5.42	53	55751	92.359	ug/l	99
16) Acetone	4.16	43	52004	94.874	ug/l	99
17) Carbon Disulfide	4.40	76	200399	18.581	ug/l	96
18) Methyl Acetate	4.71	43	25816	18.739	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	125630	19.583	ug/l	97
20) Methylene Chloride	4.97	84	89806	18.506	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	76942	19.238	ug/l	93
22) Diisopropyl ether	6.36	45	154731	18.565	ug/l	95
23) Vinyl Acetate	6.30	43	424452	89.870	ug/l	96
24) 1,1-Dichloroethane	6.26	63	120633	18.754	ug/l	98
25) 2-Butanone	7.21	43	67048	86.276	ug/l	90
26) 2,2-Dichloropropane	7.21	77	118354	18.957	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	83651	19.584	ug/l	99
28) Bromochloromethane	7.54	49	43607	17.555	ug/l	94
29) Tetrahydrofuran	7.56	42	37543	84.018	ug/l	88
30) Chloroform	7.71	83	142148	20.372	ug/l	92
31) Cyclohexane	7.99	56	96225	17.844	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	132840	20.542	ug/l	99
36) 1,1-Dichloropropene	8.11	75	103804	19.697	ug/l	98
37) Ethyl Acetate	7.29	43	33839	18.535	ug/l	95
38) Carbon Tetrachloride	8.10	117	128834	22.594	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	111528	20.016	ug/l	94
40) Benzene	8.35	78	291579	19.919	ug/l	99
41) Methacrylonitrile	7.53	41	18285	18.538	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	88150	21.551	ug/l	97
43) Isopropyl Acetate	8.45	43	61907	18.406	ug/l	94
44) Trichloroethene	9.11	130	92495	21.161	ug/l	96
45) 1,2-Dichloropropane	9.39	63	69569	20.227	ug/l	98
46) Dibromomethane	9.47	93	41053	20.768	ug/l	95
47) Bromodichloromethane	9.66	83	109403	21.291	ug/l	95
48) Methyl methacrylate	9.46	41	29224	16.960	ug/l #	73
49) 1,4-Dioxane	9.46	88	7512	364.105	ug/l #	96
51) 4-Methyl-2-Pentanone	10.23	43	155230	92.659	ug/l	98
52) Toluene	10.40	92	199317	21.138	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	97155	21.155	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	114506	20.419	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	55557	20.215	ug/l	97
56) Ethyl methacrylate	10.66	69	59078	20.821	ug/l	95
57) 1,3-Dichloropropane	10.94	76	93735	21.032	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	166174	105.220	ug/l	99
59) 2-Hexanone	10.98	43	106848	95.557	ug/l	97
60) Dibromochloromethane	11.14	129	81314	22.198	ug/l	97
61) 1,2-Dibromoethane	11.24	107	55622	21.066	ug/l	97
64) Tetrachloroethene	10.87	164	78966	20.163	ug/l	97
65) Chlorobenzene	11.67	112	214310	20.002	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	84806	20.808	ug/l	99
67) Ethyl Benzene	11.74	91	369105	20.106	ug/l	96
68) m/p-Xylenes	11.86	106	290579	40.616	ug/l	97
69) o-Xylene	12.18	106	131220	20.510	ug/l	95
70) Styrene	12.20	104	229360	20.878	ug/l	99
71) Bromoform	12.36	173	44584	21.074	ug/l #	98
73) Isopropylbenzene	12.48	105	371367	20.761	ug/l	100
74) N-amyl acetate	12.29	43	57550	17.897	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	59945	19.890	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	41109m	17.915	ug/l	
77) Bromobenzene	12.76	156	92553	21.428	ug/l	93
78) n-propylbenzene	12.83	91	435264	20.589	ug/l	99
79) 2-Chlorotoluene	12.91	91	250559	20.715	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	318884	21.100	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	17318	18.816	ug/l	100
82) 4-Chlorotoluene	13.01	91	263994	20.514	ug/l	100
83) tert-Butylbenzene	13.23	119	271717	21.350	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	317811	21.072	ug/l	97
85) sec-Butylbenzene	13.41	105	369863	20.637	ug/l	99
86) p-Isopropyltoluene	13.52	119	351936	21.180	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	176494	20.978	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	176620	20.995	ug/l	98
89) n-Butylbenzene	13.85	91	305957	20.148	ug/l	99
90) Hexachloroethane	14.12	117	57941	19.907	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	149482	20.344	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9258	19.056	ug/l	90

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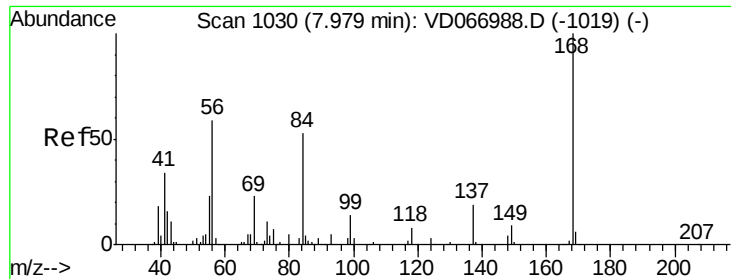
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	101128	21.278	ug/l	98
94) Hexachlorobutadiene	15.28	225	61511	21.074	ug/l	97
95) Naphthalene	15.41	128	156483	19.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	86131	20.877	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:168 Resp: 372799

Ion Ratio Lower Upper

168 100

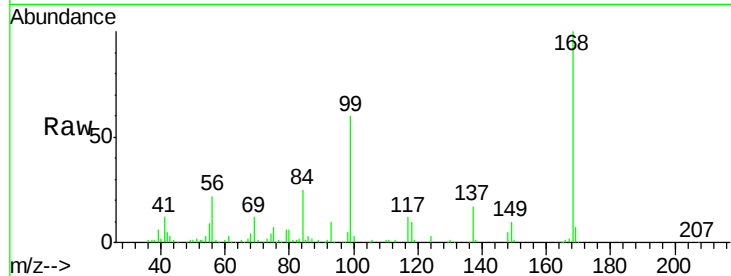
99 59.8 44.1 66.1

Manual Integrations

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10/8/2020 5:39:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

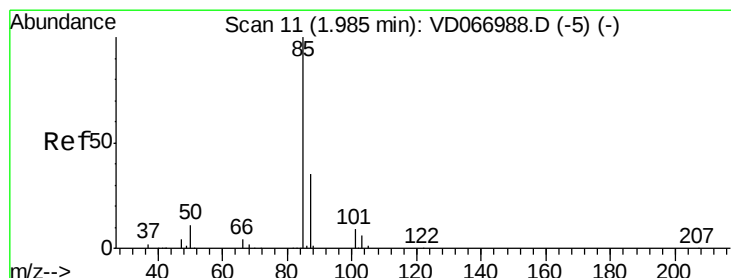
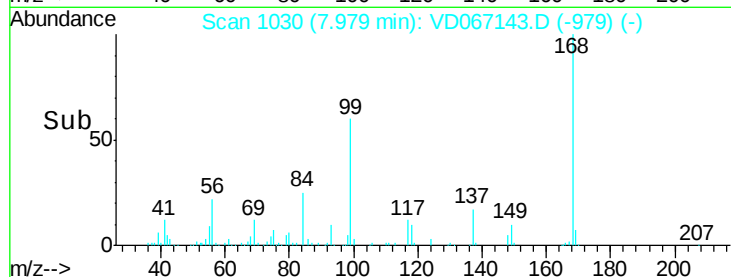
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.353 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067143.D

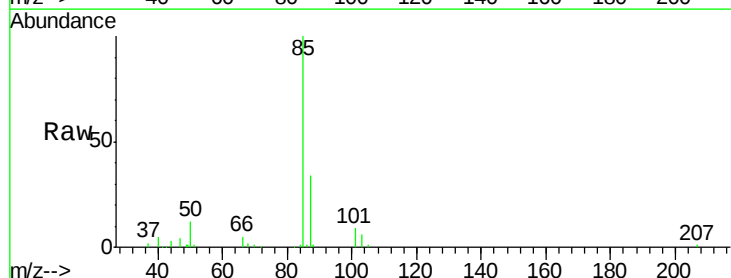
Acq: 07 Oct 2020 10:59

Tgt Ion: 85 Resp: 78017

Ion Ratio Lower Upper

85 100

87 34.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

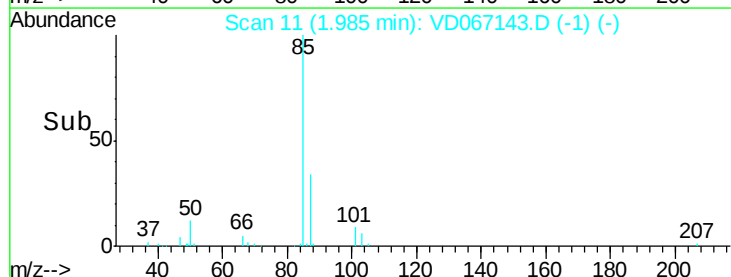
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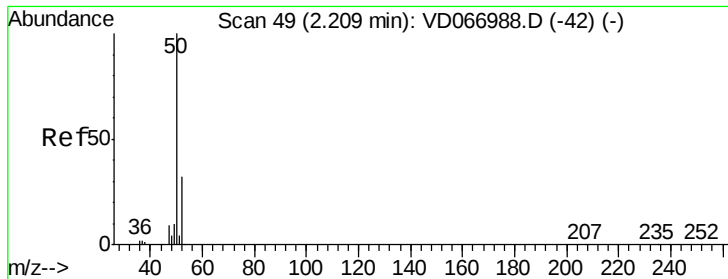
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.442 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 50 Resp: 54753

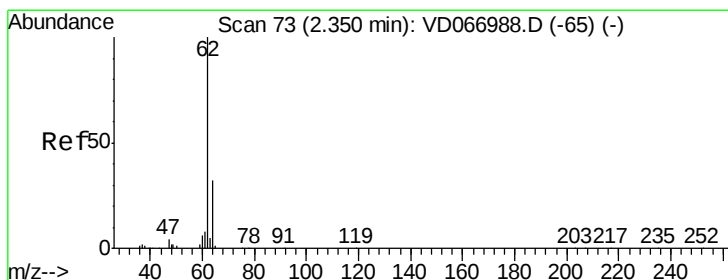
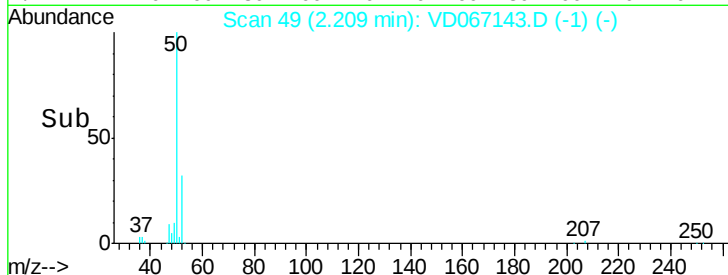
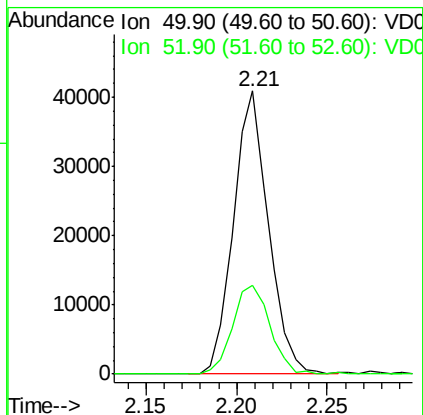
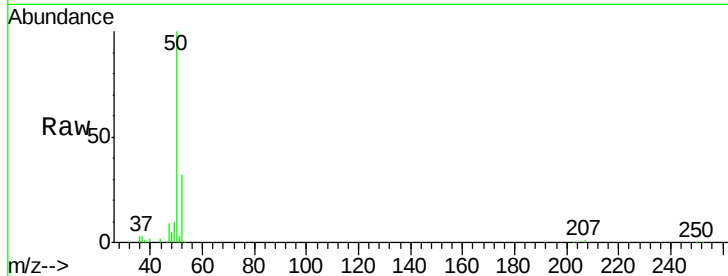
Ion Ratio Lower Upper

50 100

52 31.5 25.3 37.9

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#4

Vinyl Chloride

Concen: 18.848 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067143.D

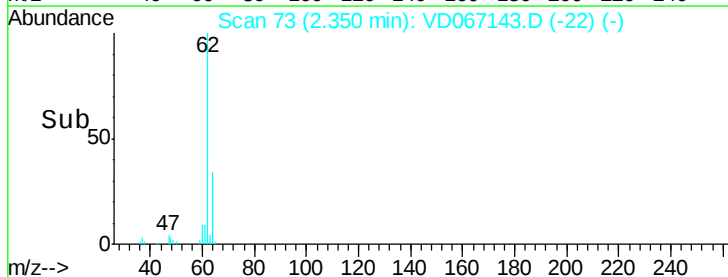
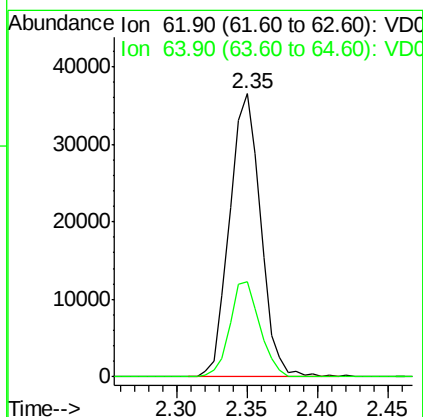
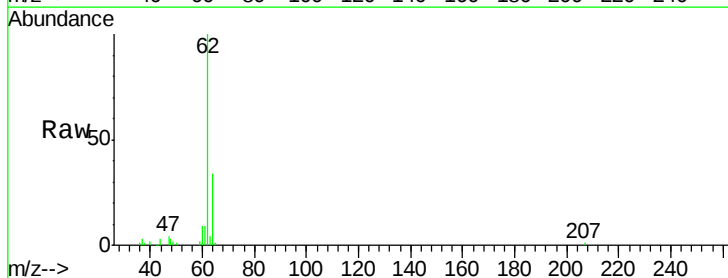
Acq: 07 Oct 2020 10:59

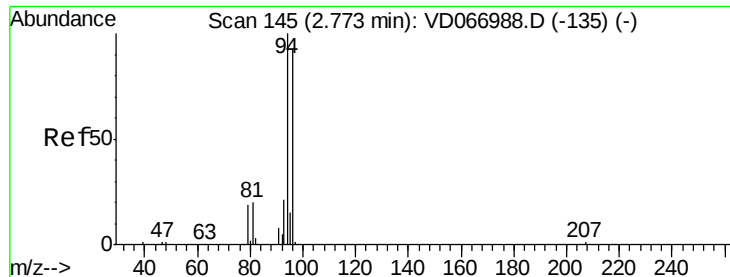
Tgt Ion: 62 Resp: 56109

Ion Ratio Lower Upper

62 100

64 33.6 25.8 38.8





#5

Bromomethane

Concen: 19.660 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 94 Resp: 42768

Ion Ratio Lower Upper

94 100

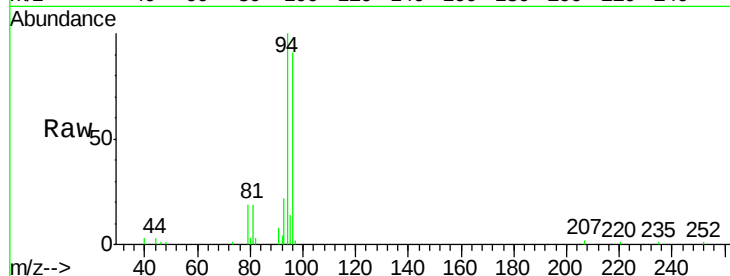
96 90.2 74.6 112.0

Manual Integrations

APPROVED

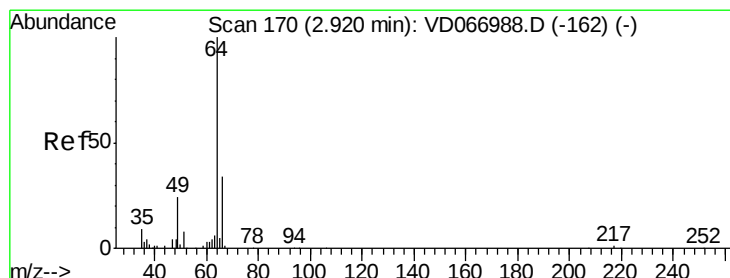
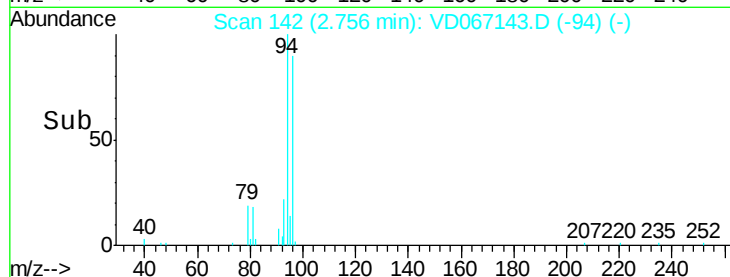
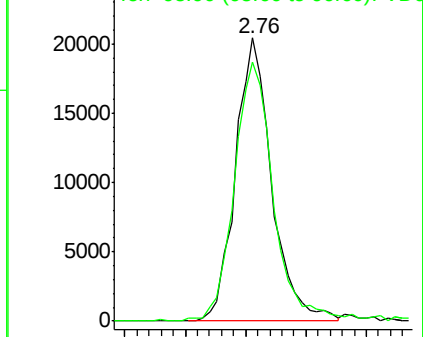
MMDadoda

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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: 19.502 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067143.D

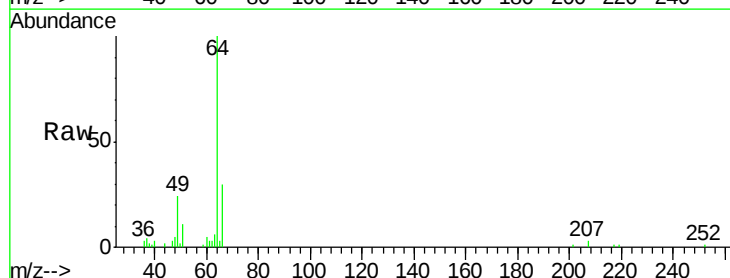
Acq: 07 Oct 2020 10:59

Tgt Ion: 64 Resp: 35356

Ion Ratio Lower Upper

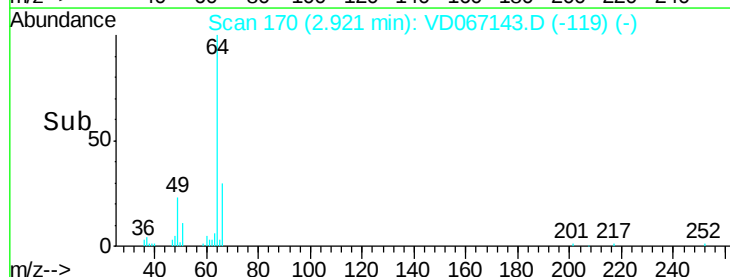
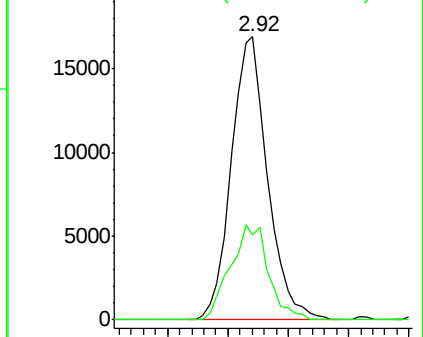
64 100

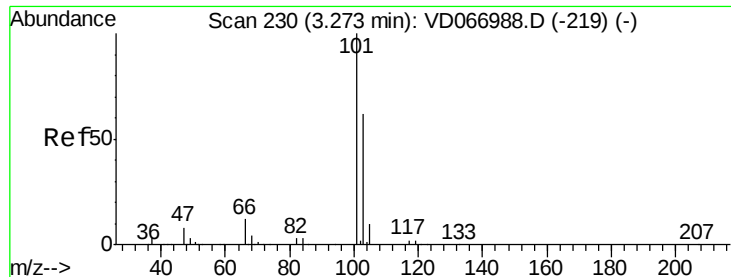
66 29.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

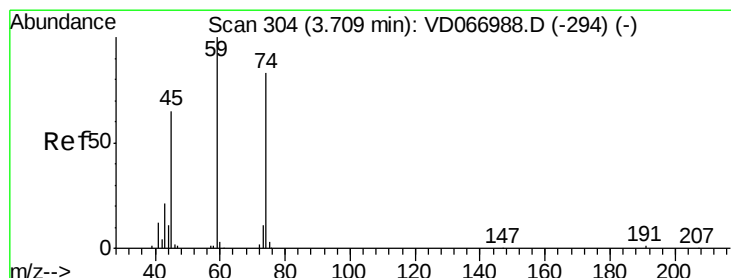
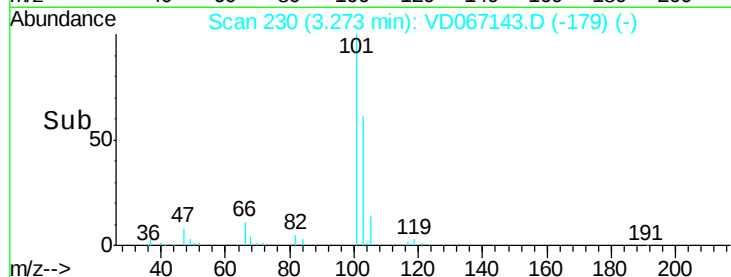
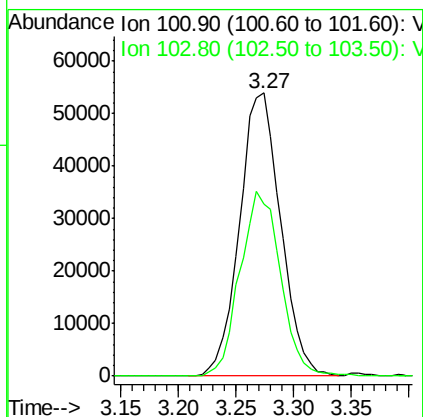
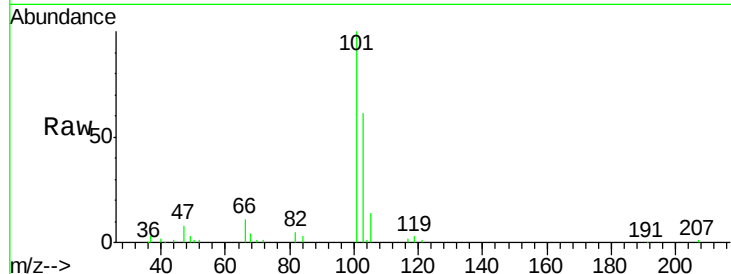
Trichlorofluoromethane
 Concen: 20.235 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	49.8	74.8

Manual Integrations
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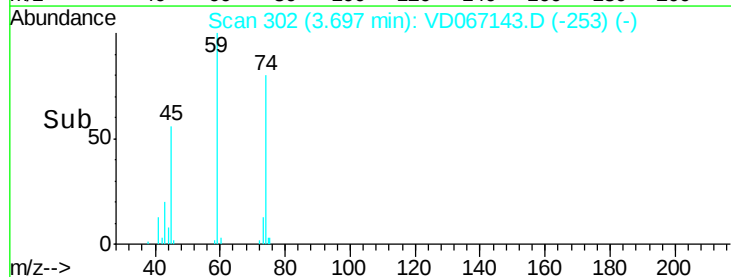
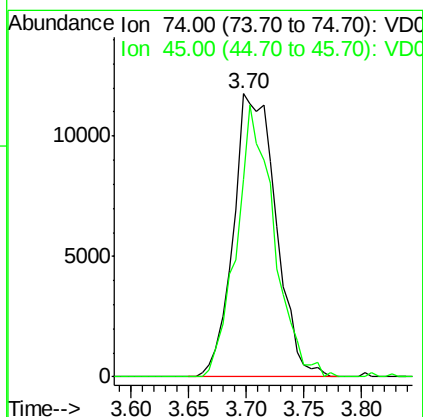
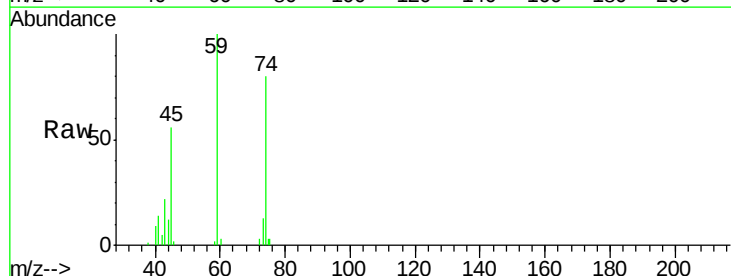
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 10/8/2020 5:39:29 PM

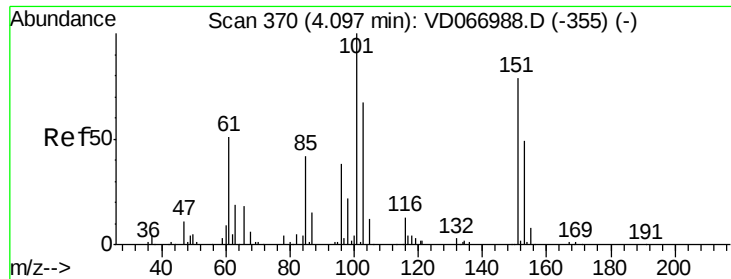


#8

Diethyl Ether
 Concen: 18.351 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.8	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.153 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

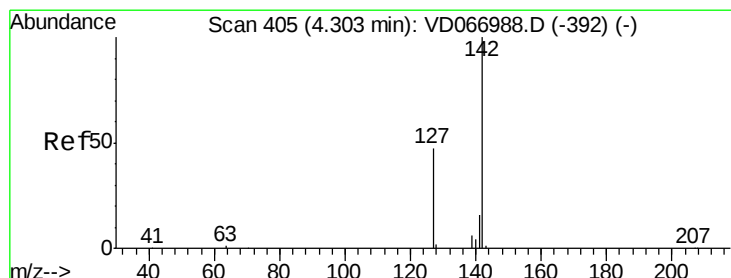
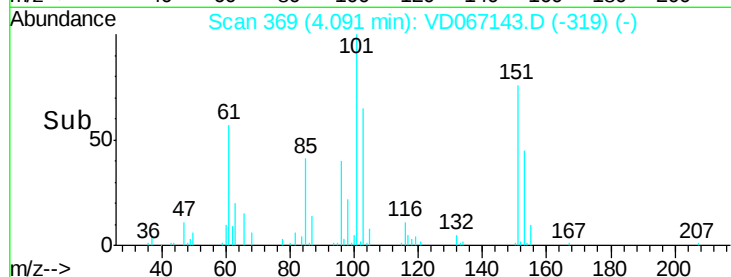
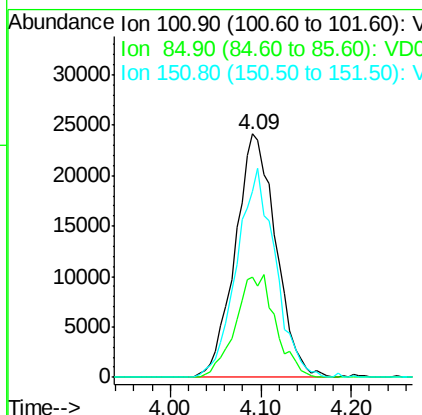
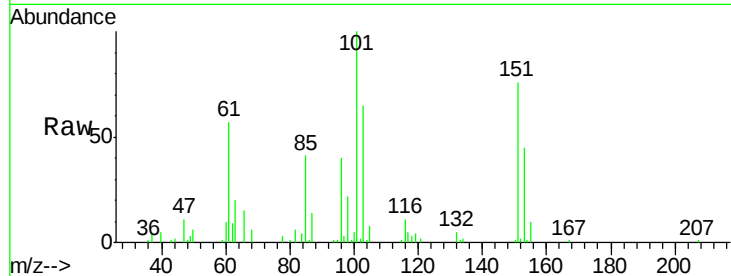
ClientSampleId :

VD1007SBS01

Tot Ion:	101	Resp:	75338
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.8	50.8
151	81.6	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.624 ug/l

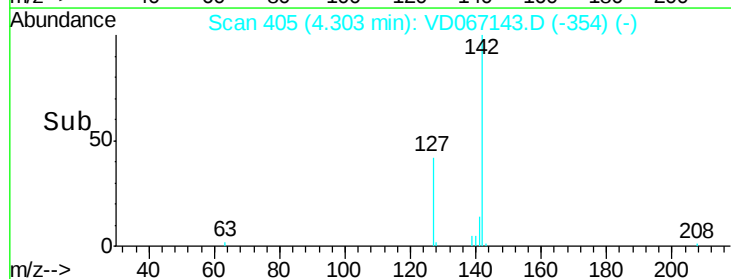
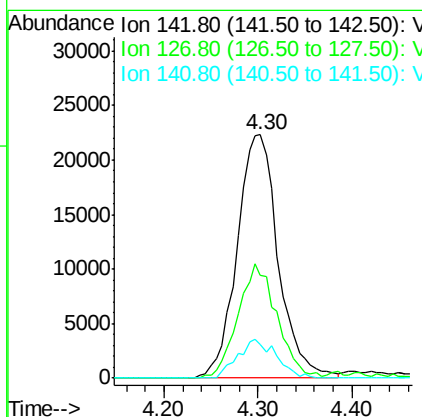
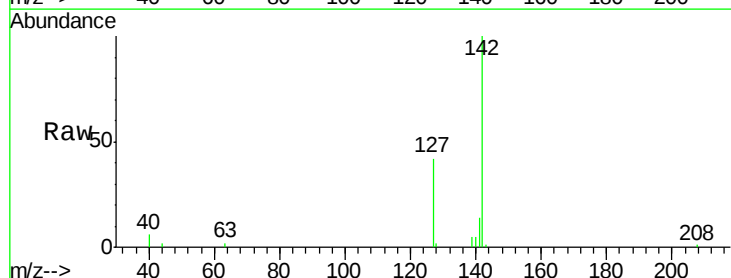
RT: 4.30 min Scan# 405

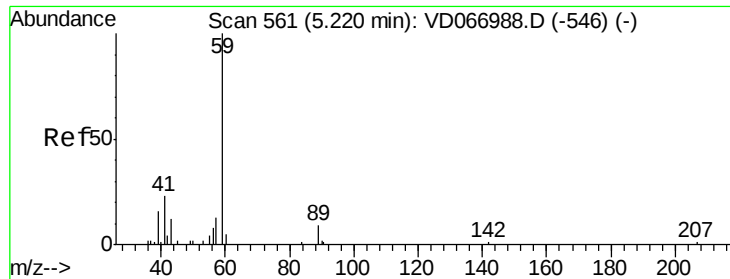
Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion:	142	Resp:	67649
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.3	54.5
141	14.9	12.0	18.0





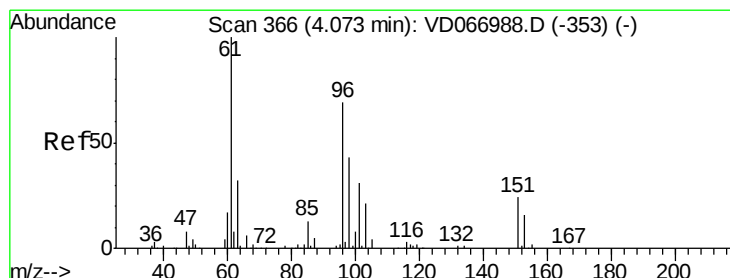
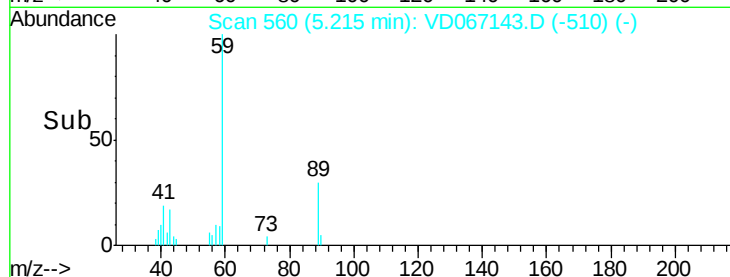
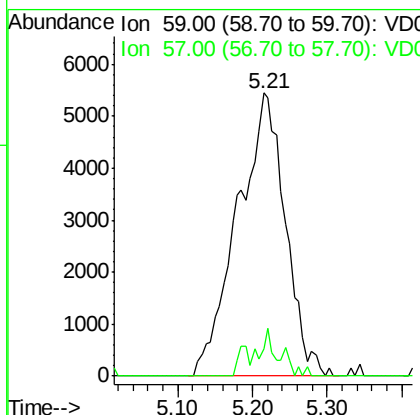
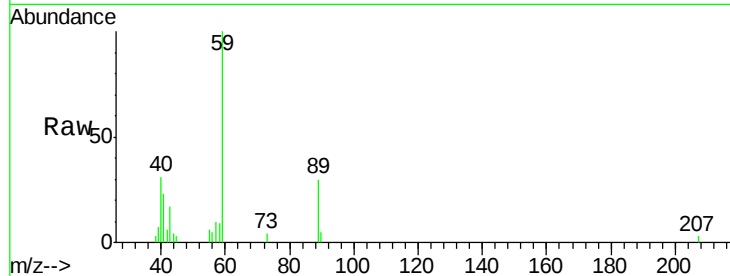
#11
Tert butyl alcohol
Concen: 82.899 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 59 Resp: 24280
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

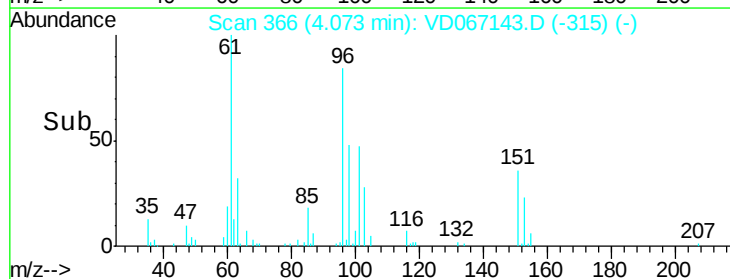
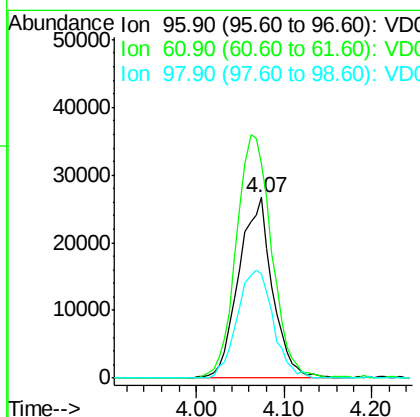
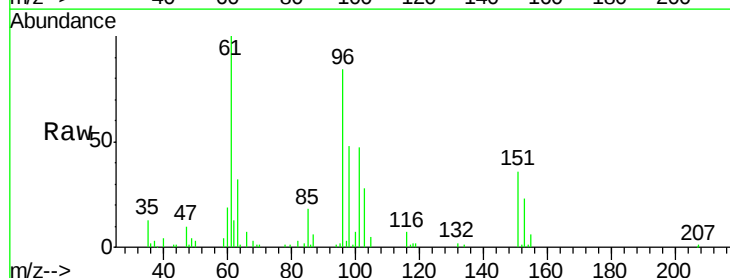
Manual Integrations
APPROVED

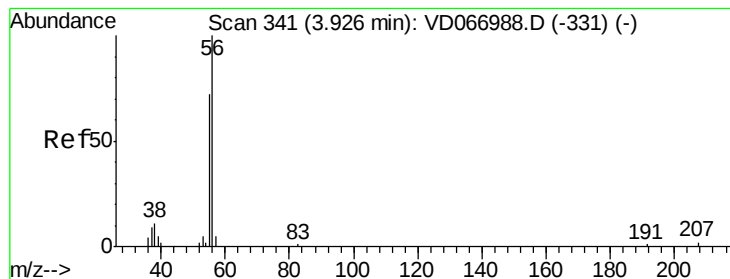
MMDadoda
10/8/2020 5:39:29 PM



#12
1,1-Dichloroethene
Concen: 19.884 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 96 Resp: 69876
Ion Ratio Lower Upper
96 100
61 118.9 116.4 174.6
98 57.5 49.9 74.9





#13

Acrolein

Concen: 79.114 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 56 Resp: 19022

Ion Ratio Lower Upper

56 100

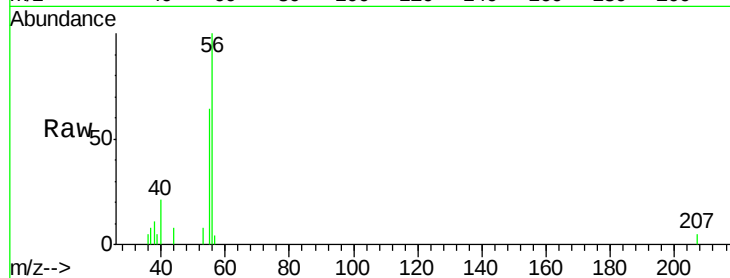
55 70.5 56.9 85.3

Manual Integrations

APPROVED

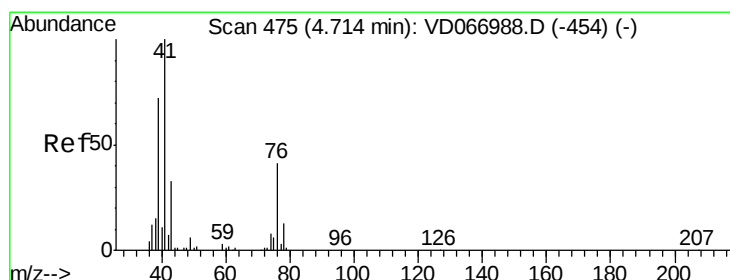
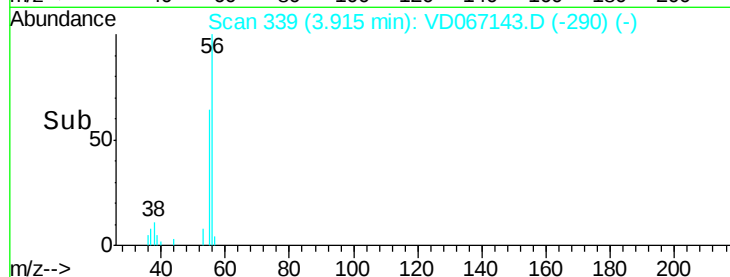
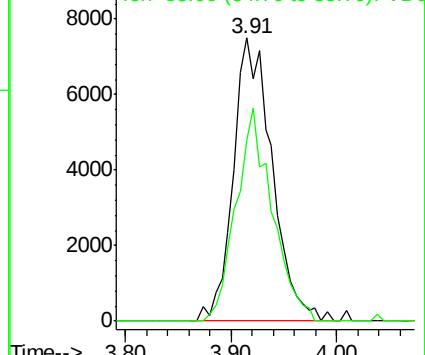
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.006 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

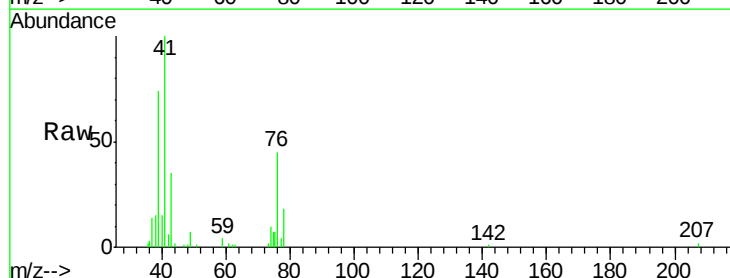
Tgt Ion: 41 Resp: 77638

Ion Ratio Lower Upper

41 100

39 77.2 56.2 84.2

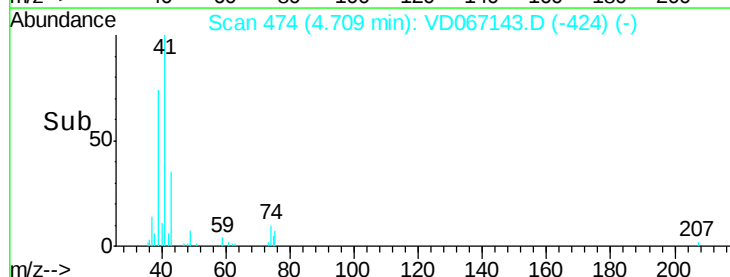
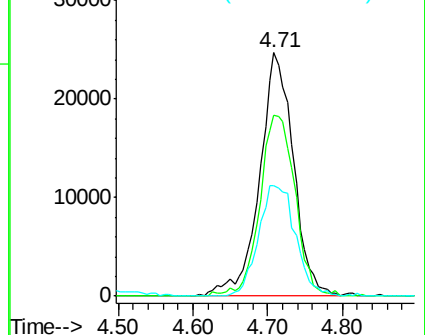
76 49.7 34.2 51.2

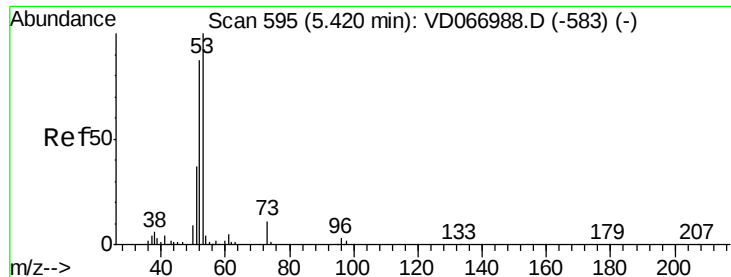


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 92.359 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

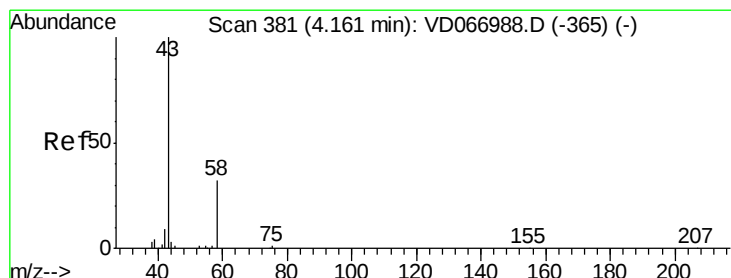
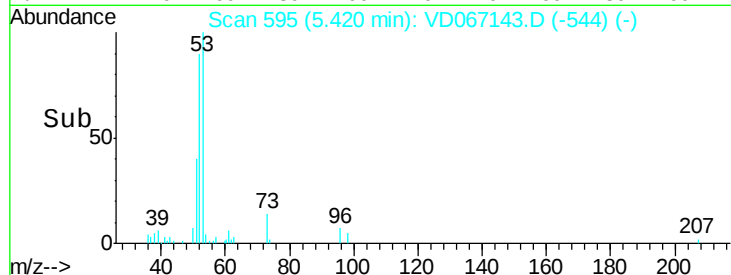
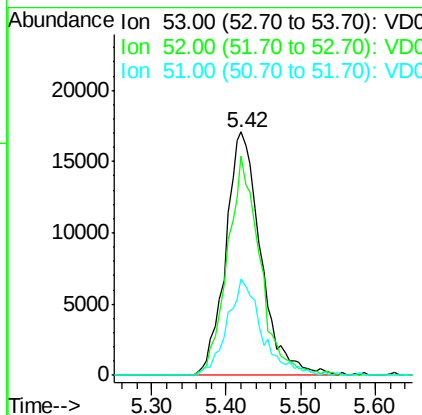
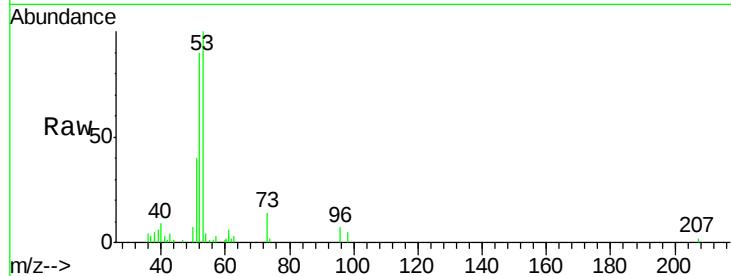
ClientSampleId :

VD1007SBS01

Tot Ion:	53	Resp:	55751
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.3	100.9
51	39.1	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 94.874 ug/l

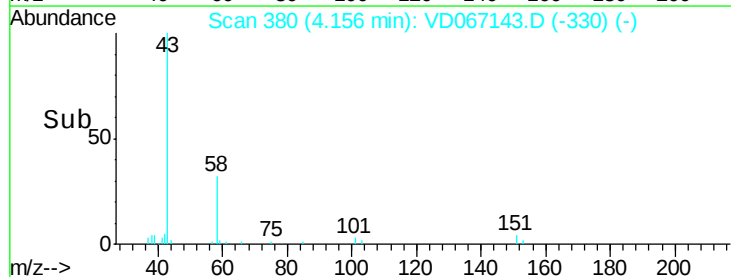
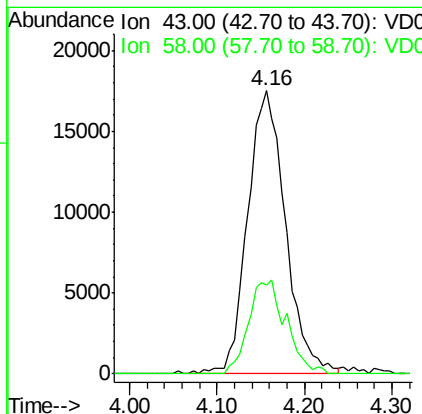
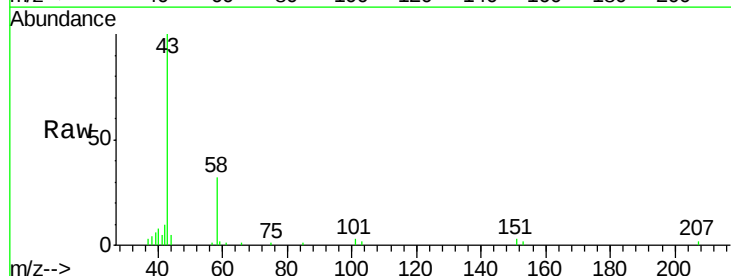
RT: 4.16 min Scan# 380

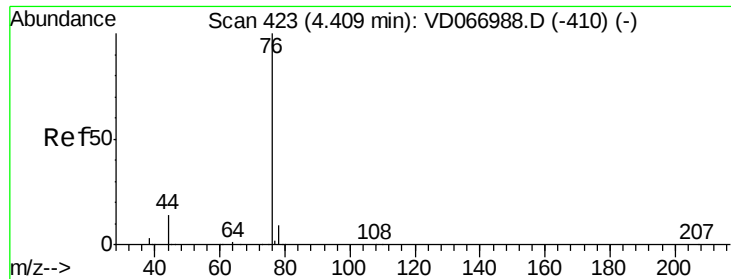
Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion:	43	Resp:	52004
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.9	38.9





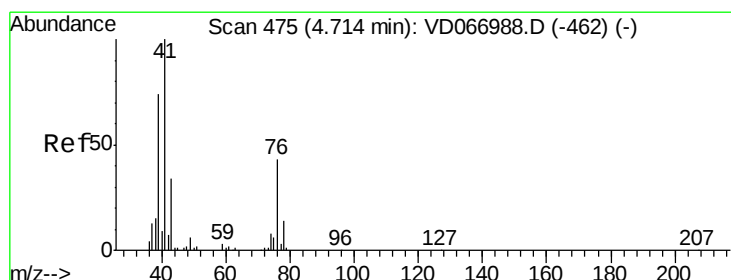
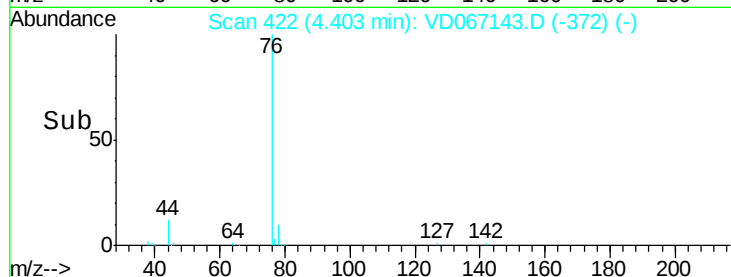
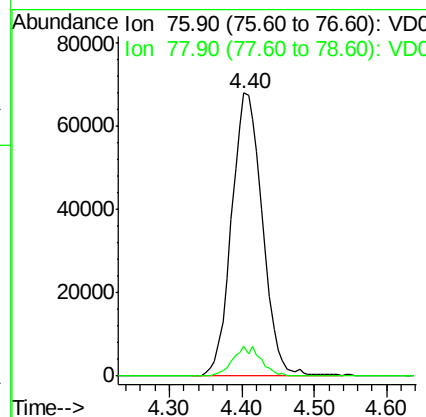
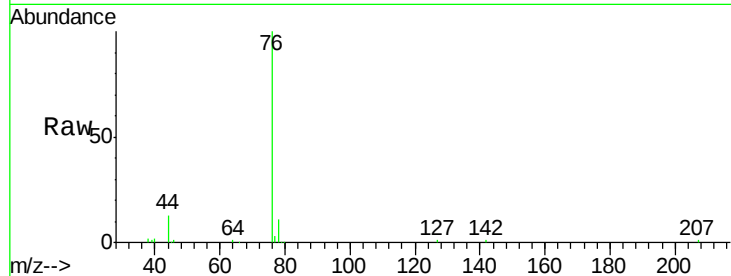
#17
Carbon Disulfide
Concen: 18.581 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.5	11.3

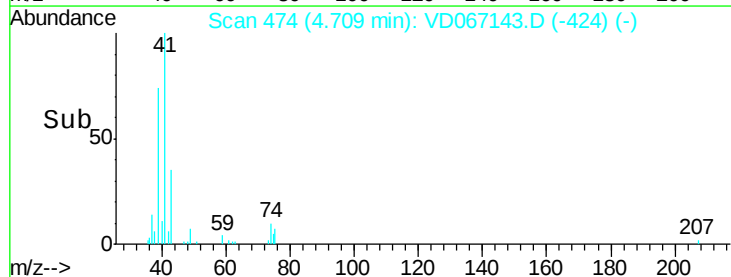
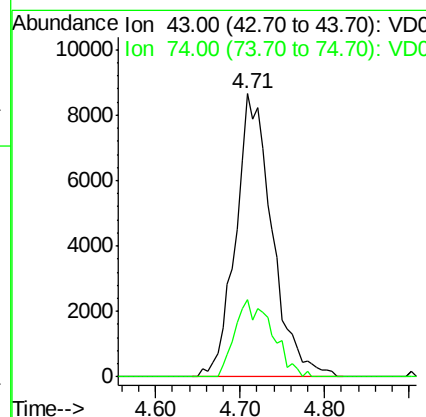
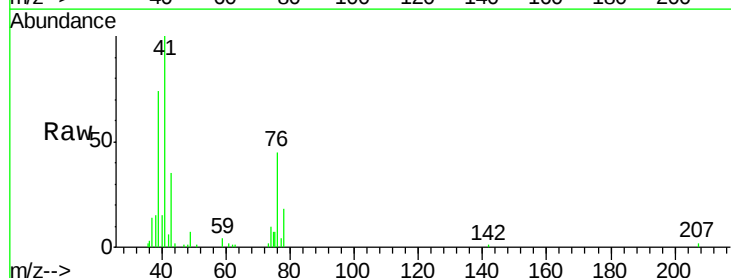
Manual Integrations
APPROVED

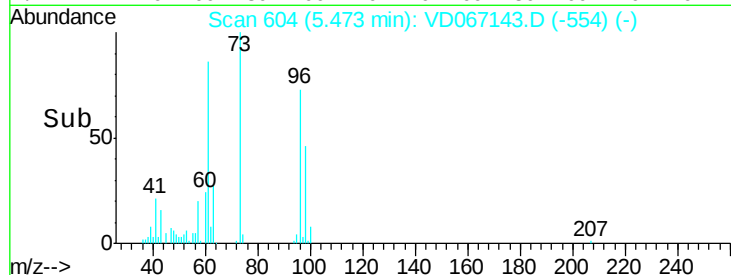
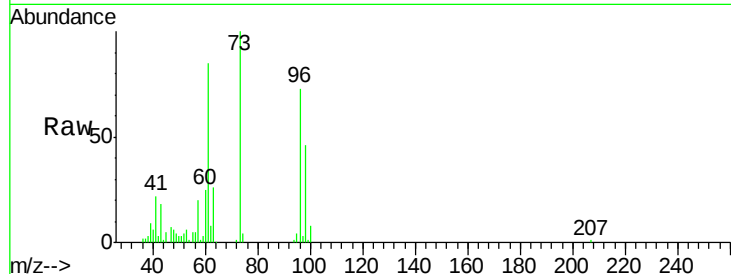
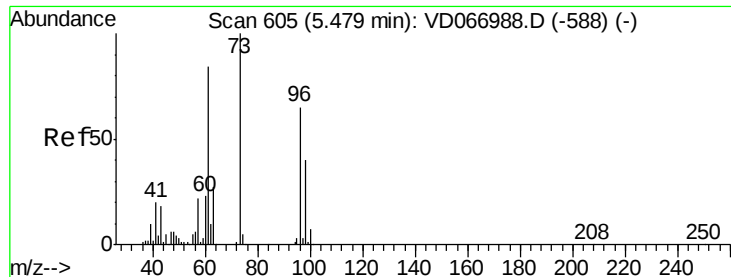
MMDadoda
10/8/2020 5:39:29 PM



#18
Methyl Acetate
Concen: 18.739 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	21.5	32.3





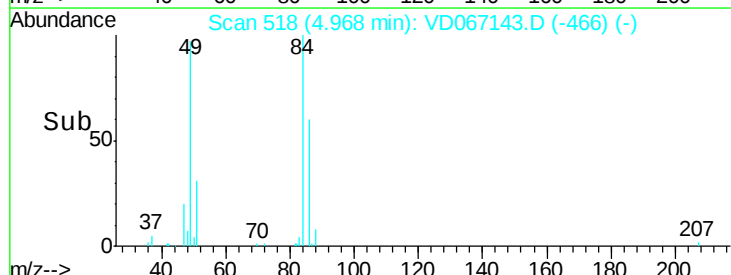
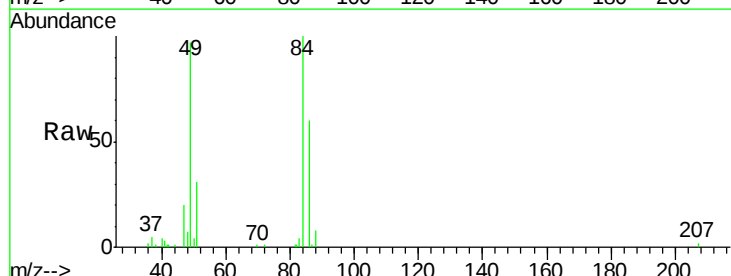
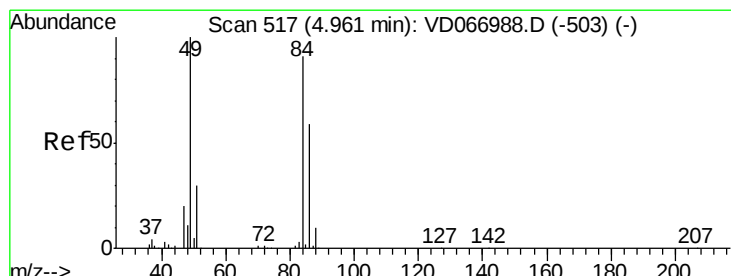
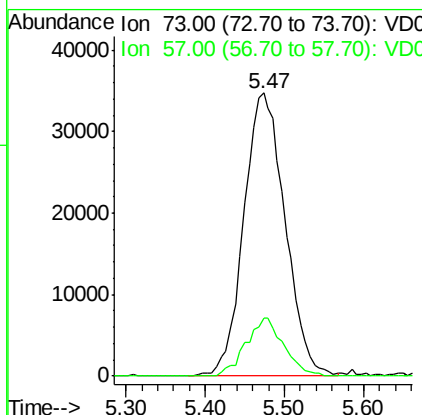
#19
Methyl tert-butyl Ether
Concen: 19.583 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tot Ion: 73 Resp: 125630
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

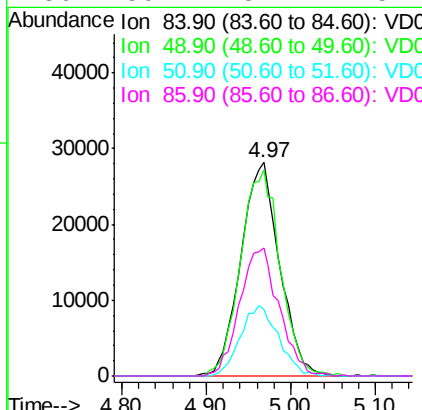
Manual Integrations
APPROVED

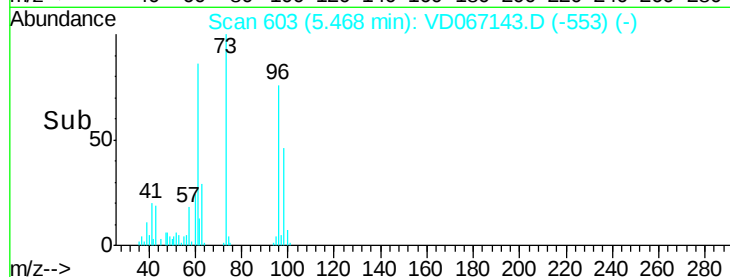
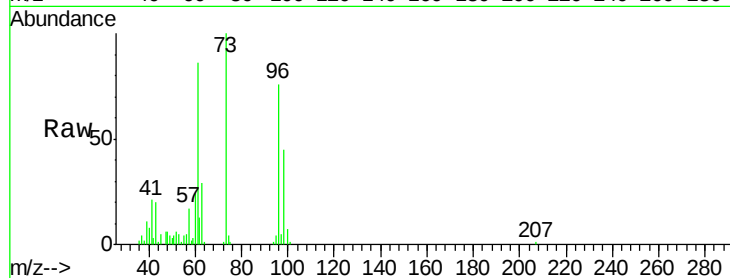
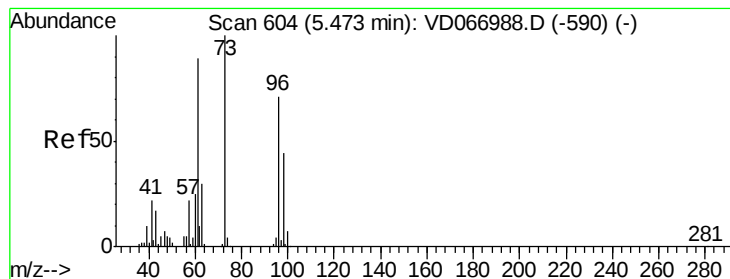
MMDadoda
10/8/2020 5:39:29 PM



#20
Methylene Chloride
Concen: 18.506 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 84 Resp: 89806
Ion Ratio Lower Upper
84 100
49 96.5 88.2 132.2
51 31.4 26.6 39.8
86 59.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.238 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067143.D

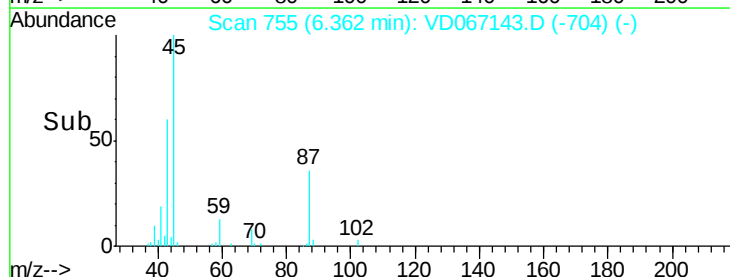
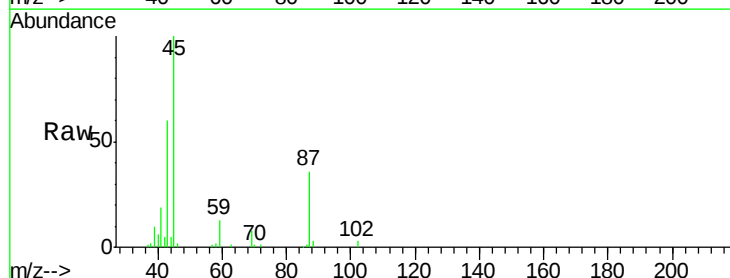
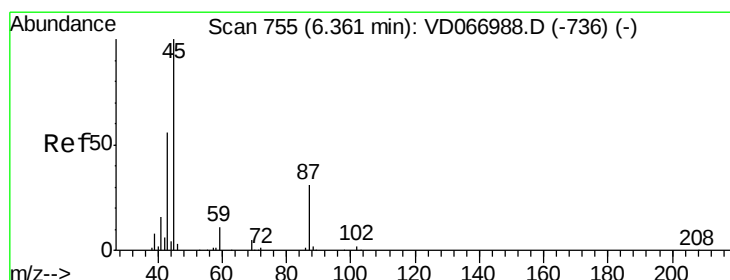
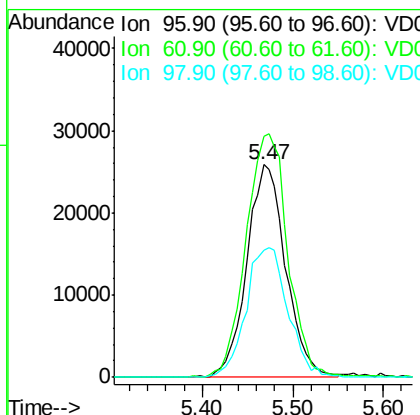
Acq: 07 Oct 2020 10:59

Tot Ion:	96	Resp:	76942
Ion	Ratio	Lower	Upper
96	100		
61	113.2	99.6	149.4
98	60.0	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Manual Integrations
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10/8/2020 5:39:29 PM



#22

Diisopropyl ether

Concen: 18.565 ug/l

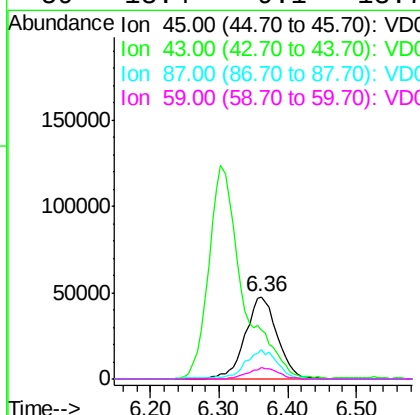
RT: 6.36 min Scan# 755

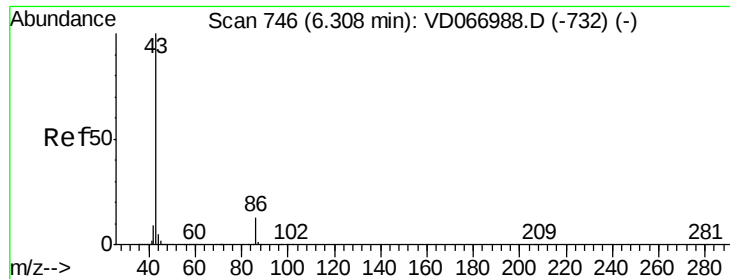
Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion:	45	Resp:	154731
Ion	Ratio	Lower	Upper
45	100		
43	58.8	45.2	67.8
87	36.4	25.6	38.4
59	13.4	9.1	13.7





#23

Vinyl Acetate

Concen: 89.870 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 43 Resp: 424452

Ion Ratio Lower Upper

43 100

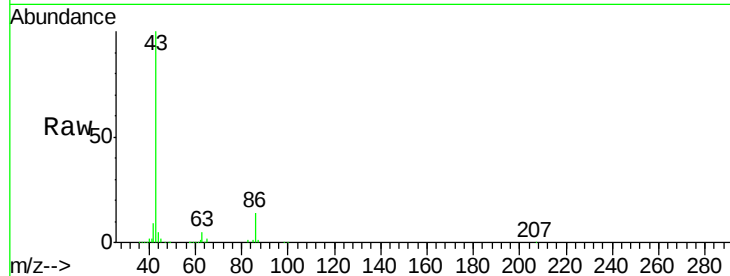
86 14.2 10.2 15.2

Manual Integrations

APPROVED

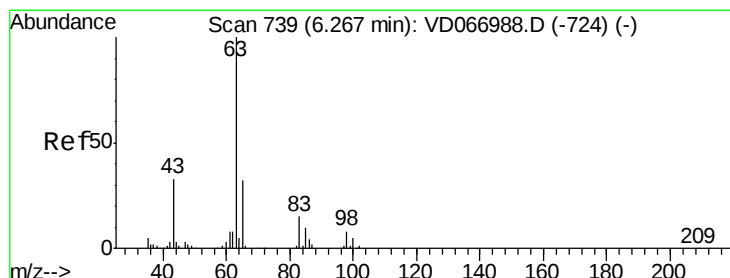
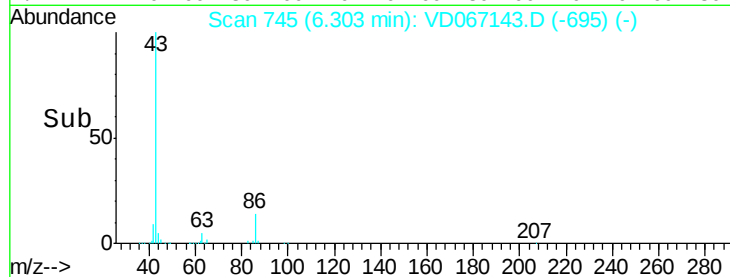
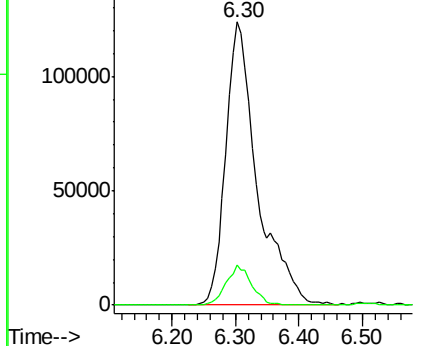
MMDadoda

10/8/2020 5:39:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.754 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

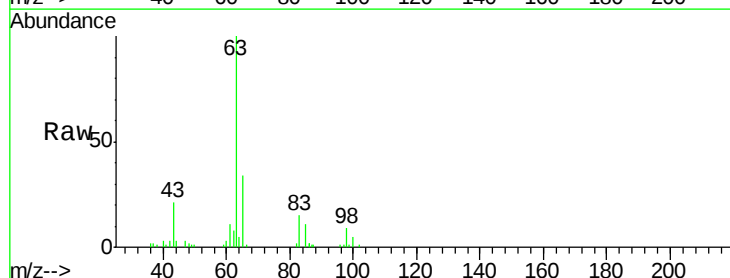
Tgt Ion: 63 Resp: 120633

Ion Ratio Lower Upper

63 100

98 9.3 4.2 12.6

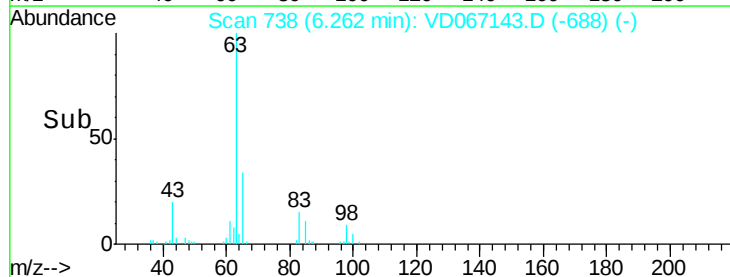
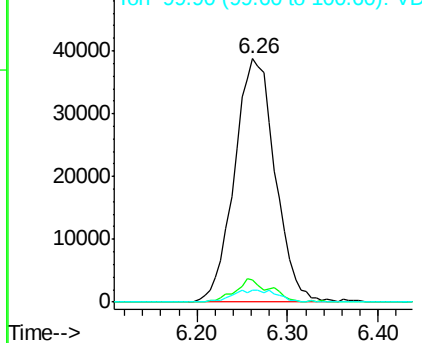
100 5.1 2.6 7.8

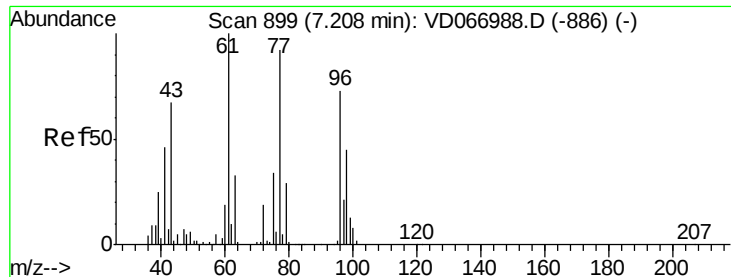


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





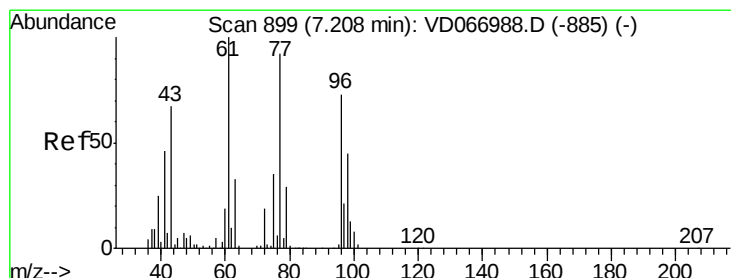
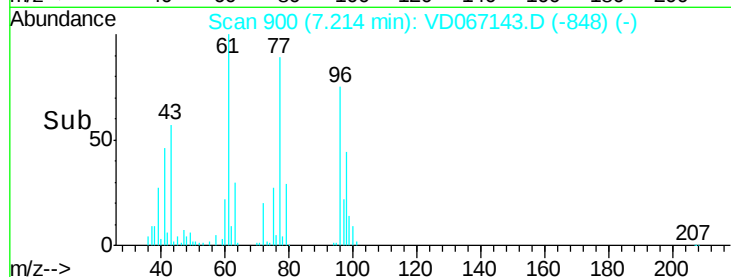
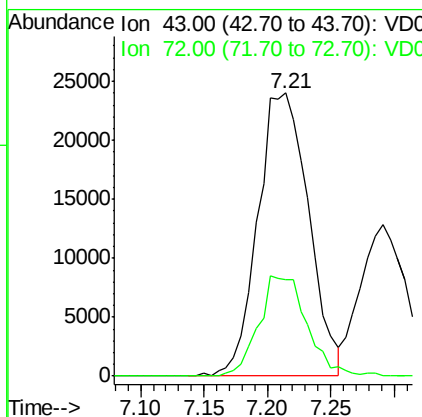
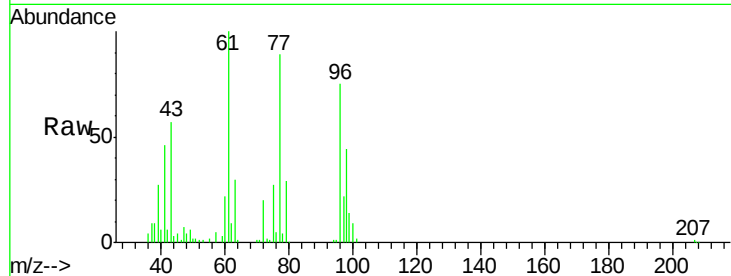
#25
2-Butanone
Concen: 86.276 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampled :
VD1007SBS01

Tot Ion: 43 Resp: 67048
Ion Ratio Lower Upper
43 100
72 34.0 22.8 34.2

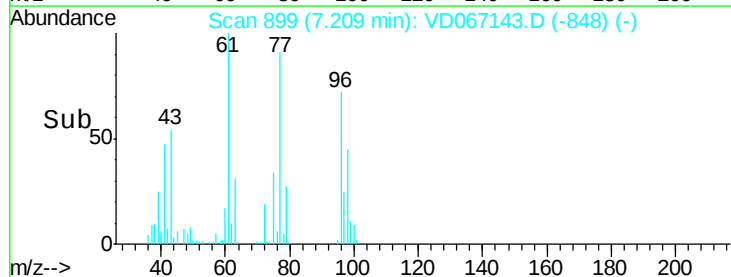
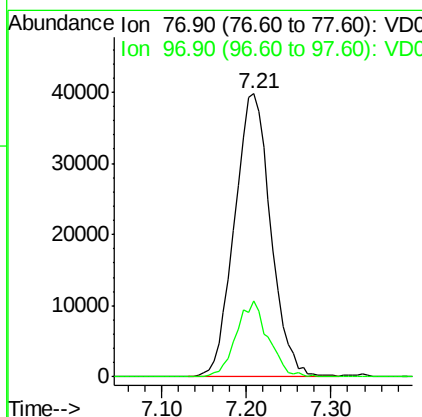
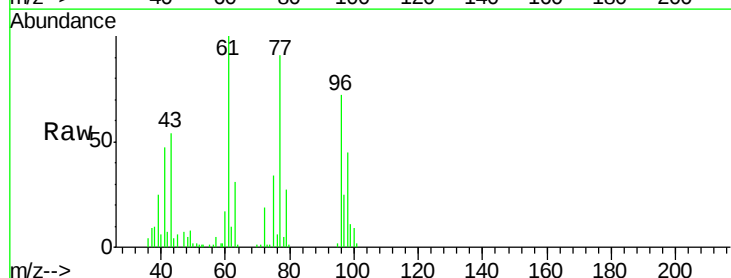
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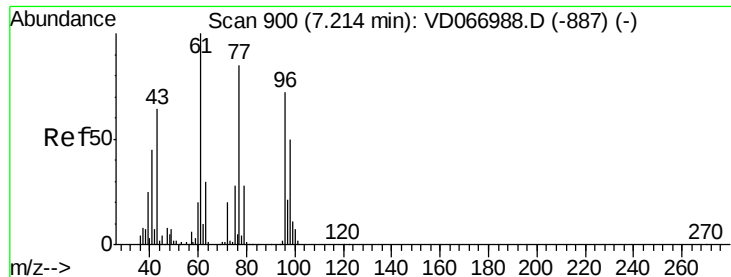
MMDadoda
10/8/2020 5:39:29 PM



#26
2,2-Dichloropropane
Concen: 18.957 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 77 Resp: 118354
Ion Ratio Lower Upper
77 100
97 23.5 11.4 34.2





#27

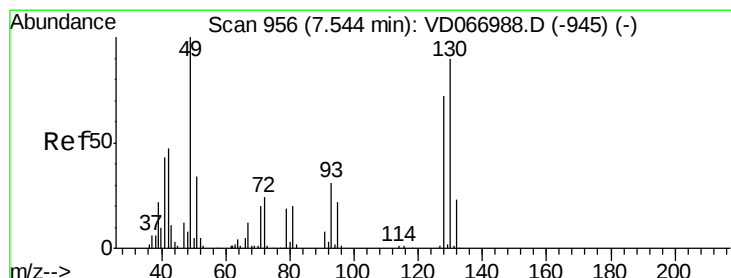
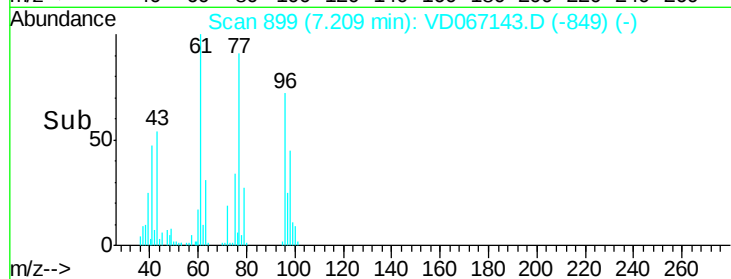
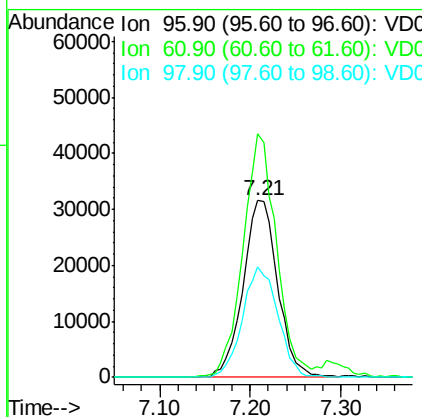
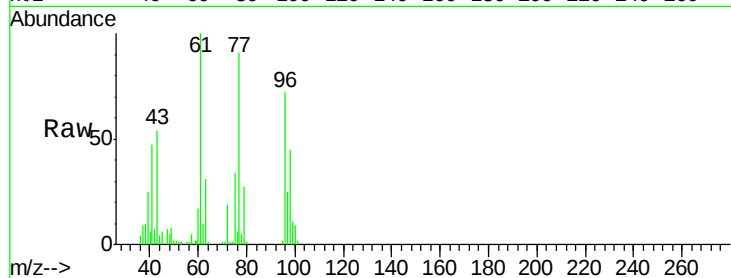
cis-1,2-Dichloroethene
Concen: 19.584 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	269.2
98	63.7	0.0	129.4

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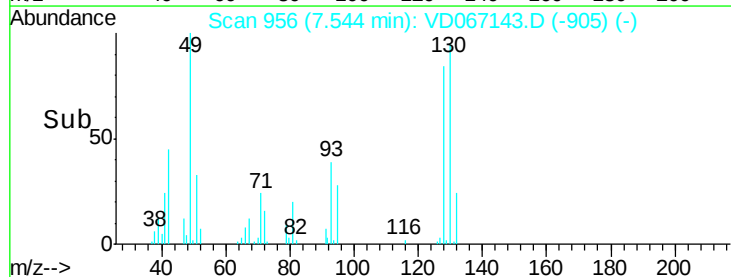
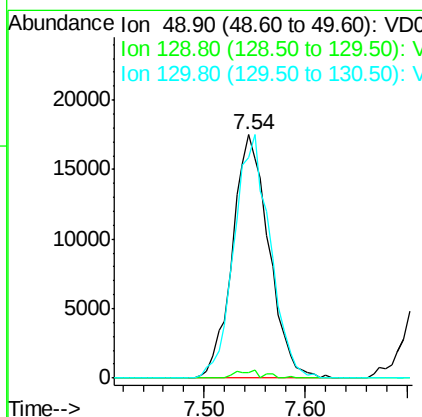
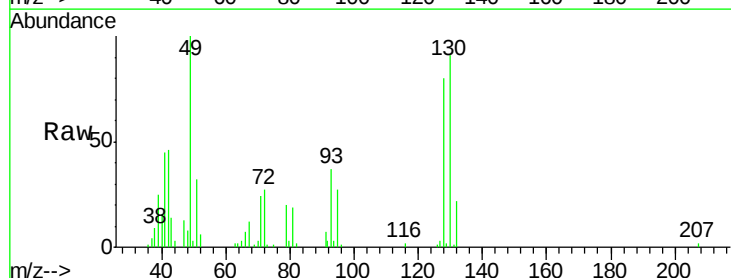
MMDadoda
10/8/2020 5:39:29 PM

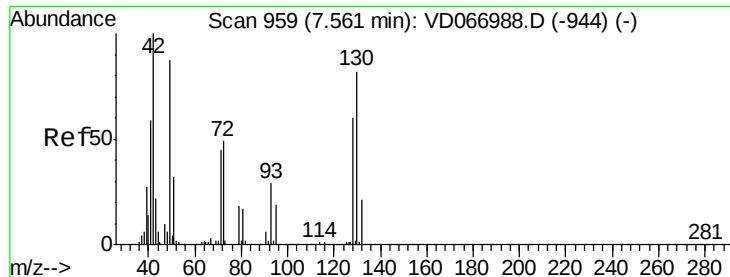


#28

Bromochloromethane
Concen: 17.555 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	98.9	74.1	111.1





#29

Tetrahydrofuran

Concen: 84.018 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

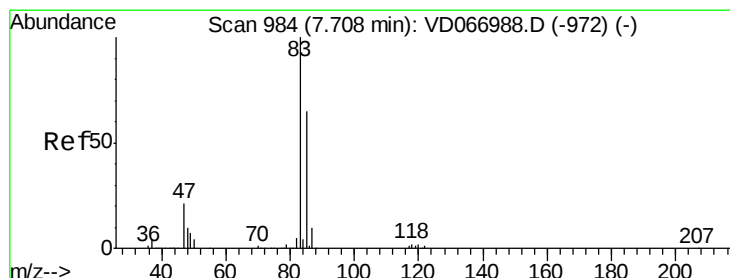
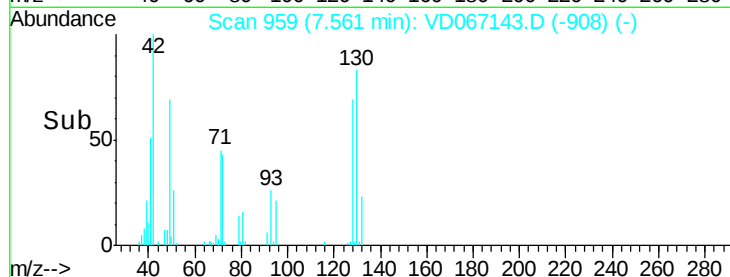
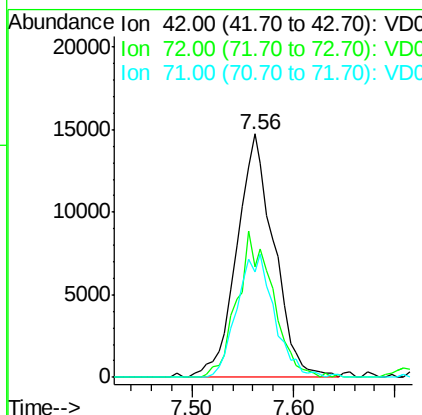
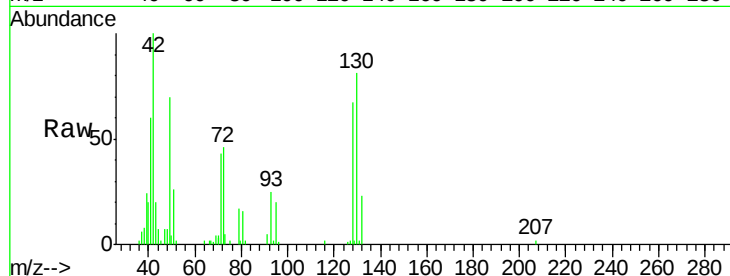
ClientSampleId :

VD1007SBS01

Tot Ion:	42	Resp:	37543
Ion	Ratio	Lower	Upper
42	100		
72	57.0	39.1	58.7
71	50.6	34.2	51.4

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#30

Chloroform

Concen: 20.372 ug/l

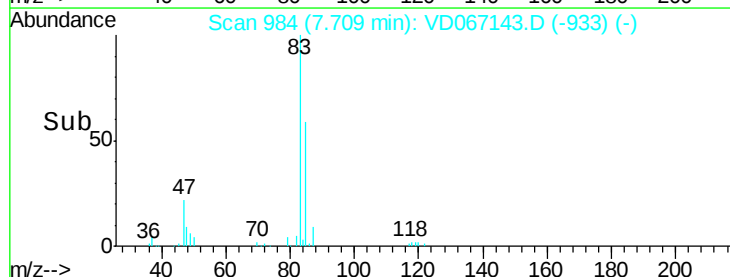
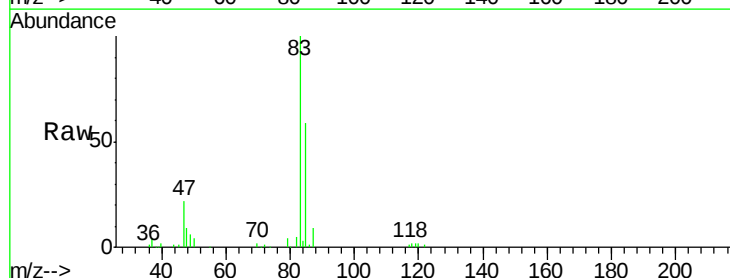
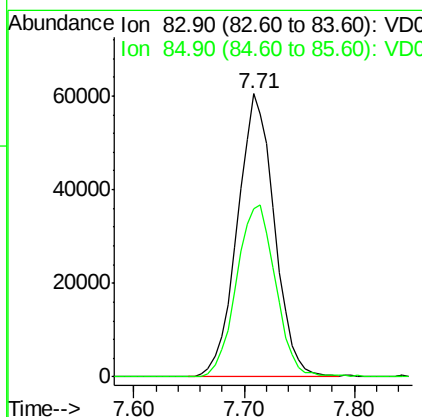
RT: 7.71 min Scan# 984

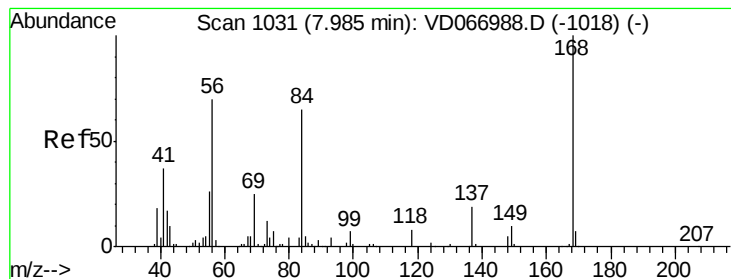
Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion:	83	Resp:	142148
Ion	Ratio	Lower	Upper
83	100		
85	59.3	52.3	78.5





#31

Cyclohexane

Concen: 17.844 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

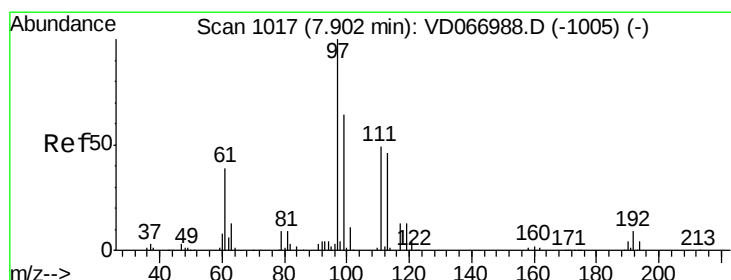
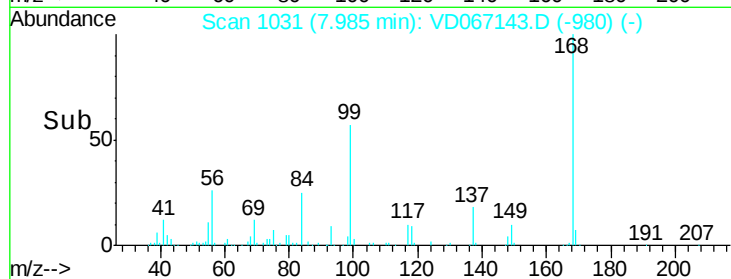
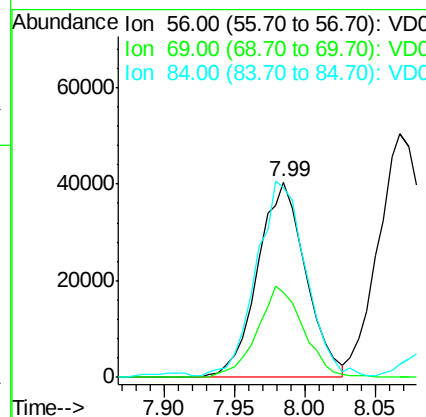
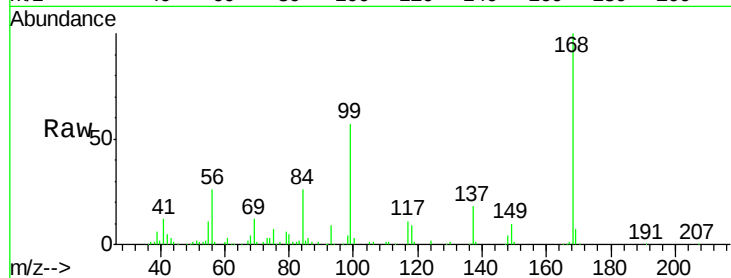
ClientSampleId :

VD1007SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		96225		
69	43.6	29.0	43.6#		
84	96.5	74.2	111.2		

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.542 ug/l

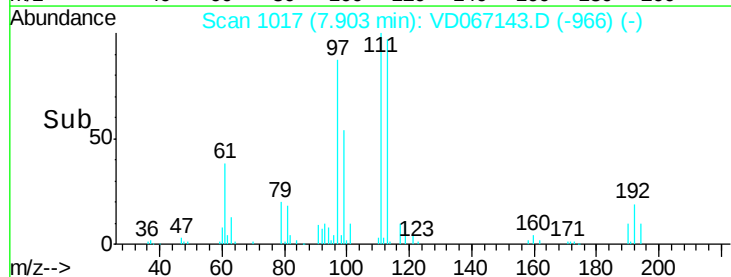
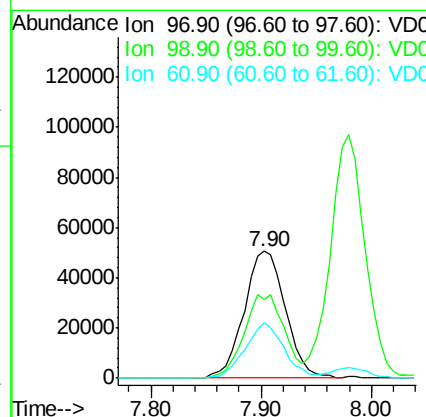
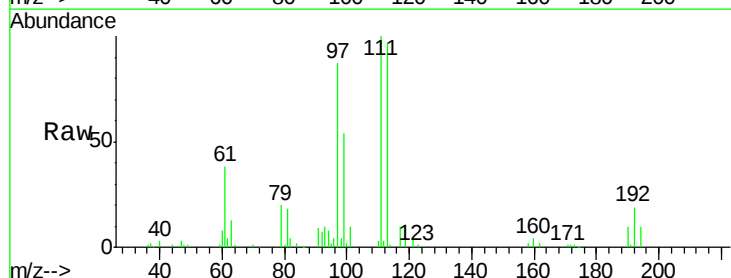
RT: 7.90 min Scan# 1017

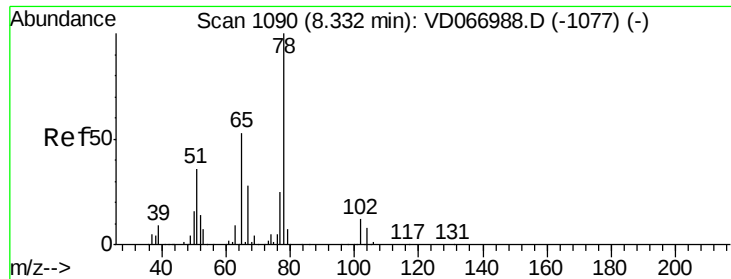
Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		132840		
99	64.6	52.6	78.8		
61	40.7	32.8	49.2		





#33

1,2-Dichloroethane-d4

Concen: 49.507 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 65 Resp: 177770

Ion Ratio Lower Upper

65 100

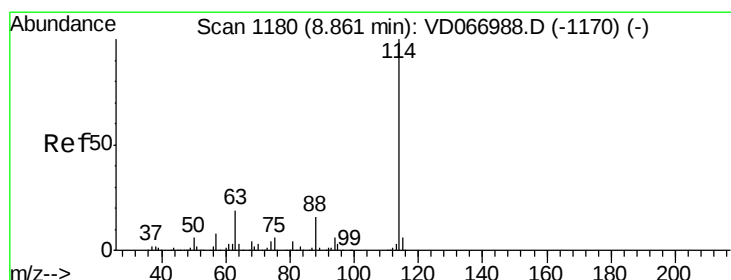
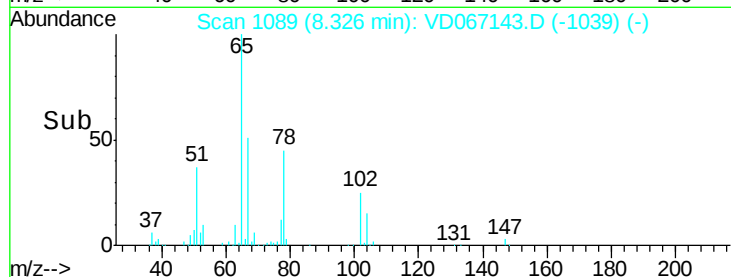
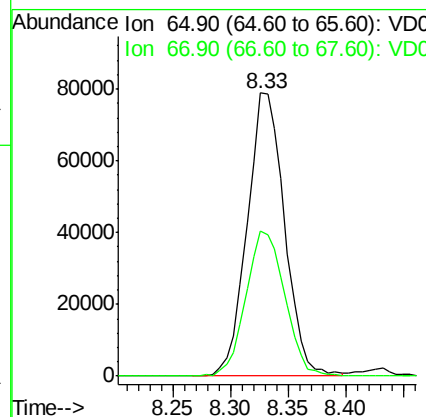
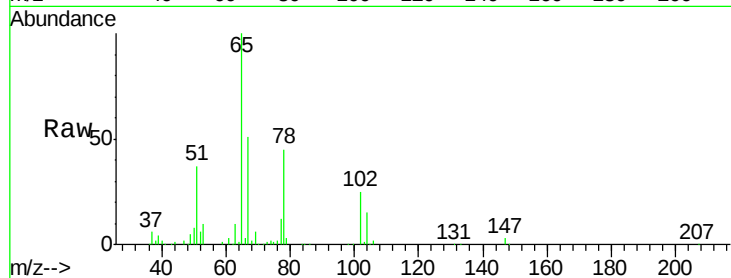
67 53.4 0.0 106.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

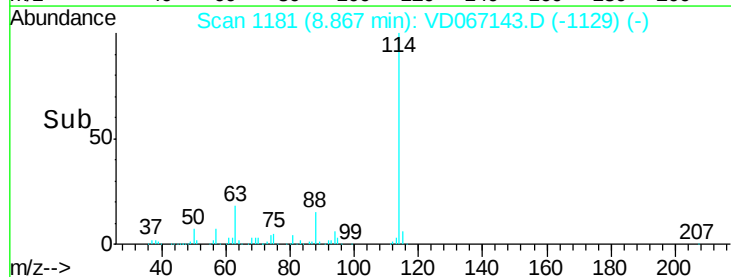
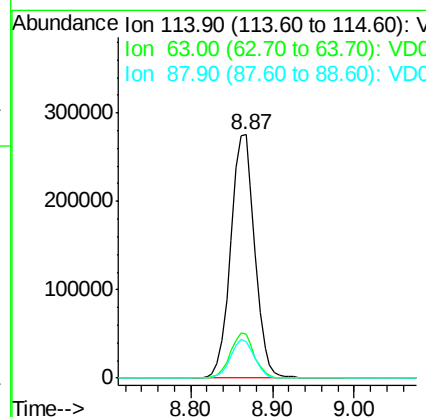
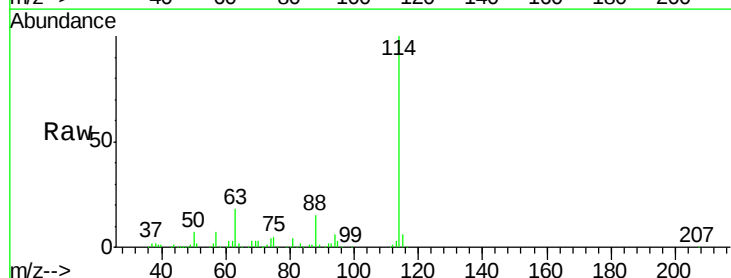
Tgt Ion: 114 Resp: 565397

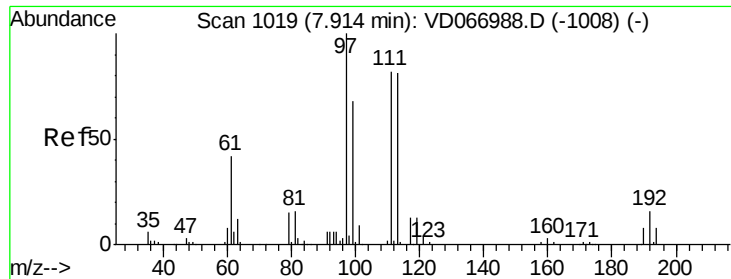
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 15.1 0.0 31.2





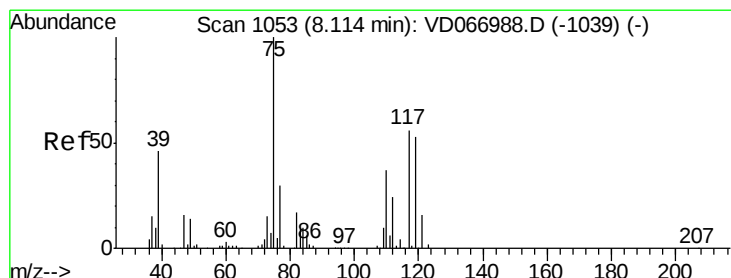
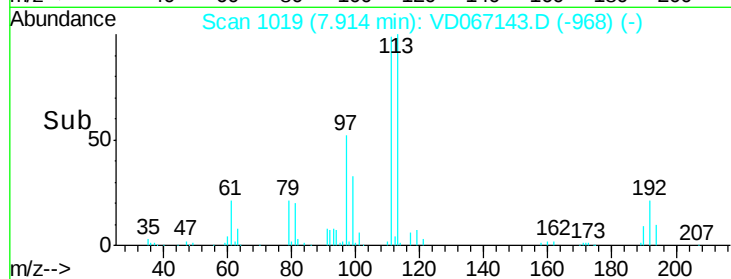
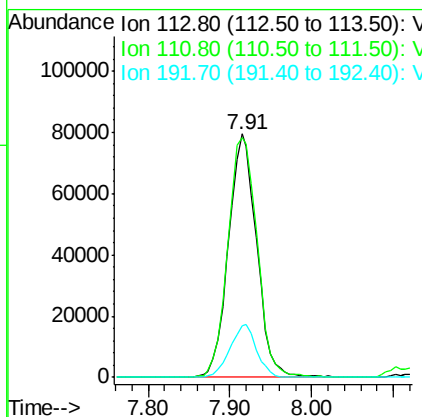
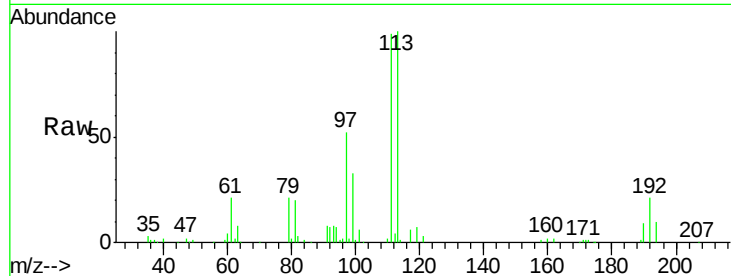
#35
Dibromofluoromethane
Concen: 51.441 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190412		
111	102.7	83.0	124.4	
192	20.6	15.5	23.3	

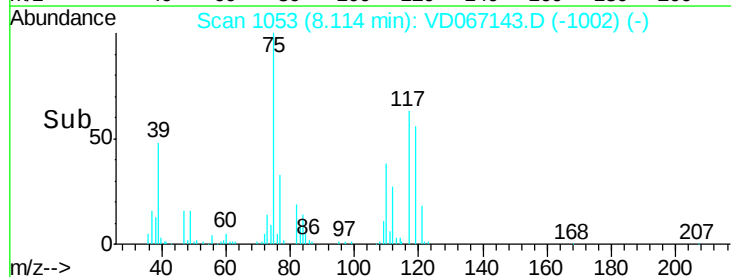
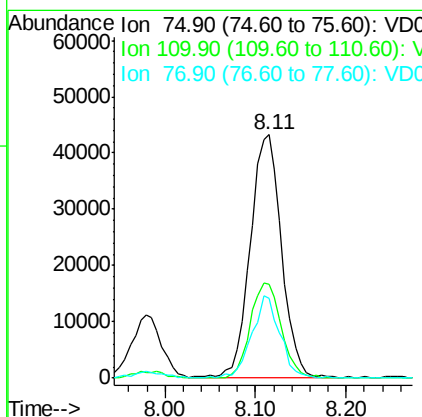
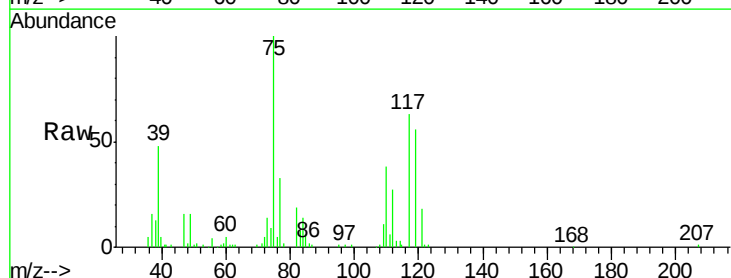
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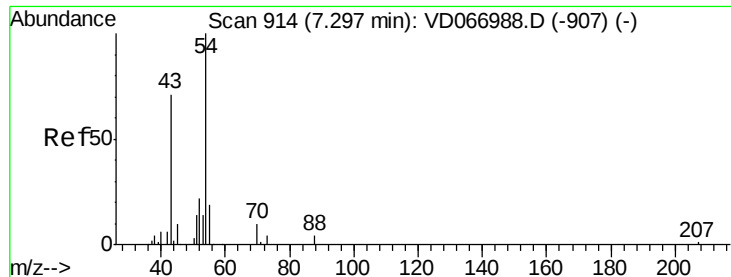
MMDadoda
10/8/2020 5:39:29 PM



#36
1,1-Dichloropropene
Concen: 19.697 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103804		
110	38.6	18.4	55.0	
77	30.4	24.8	37.2	





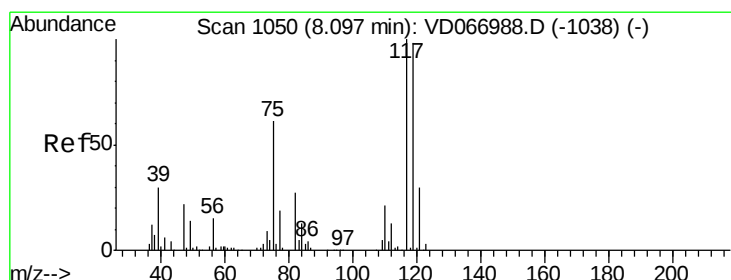
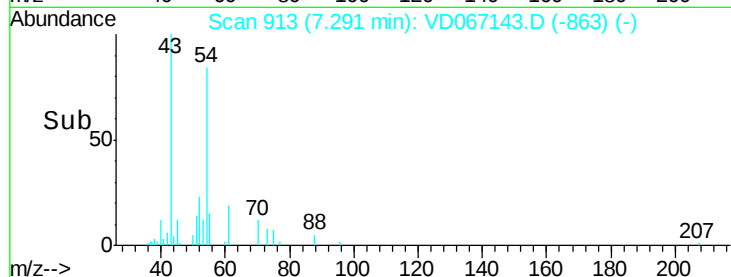
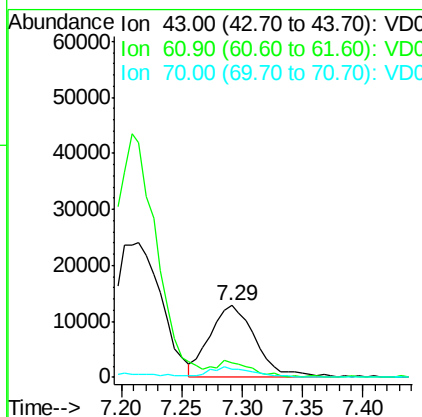
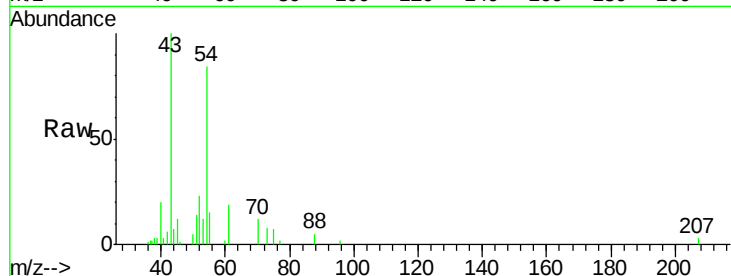
#37
Ethyl Acetate
Concen: 18.535 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	12.5	18.7
70	13.1	9.4	14.0

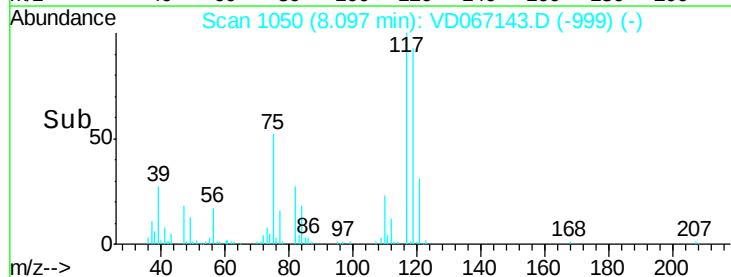
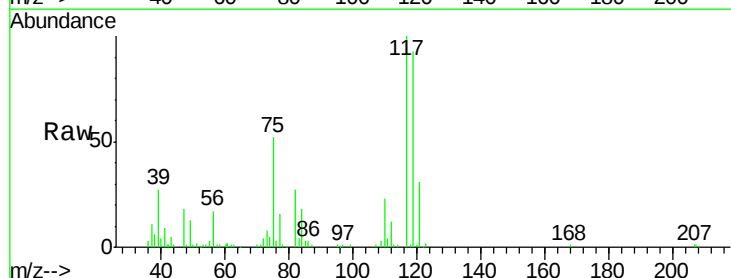
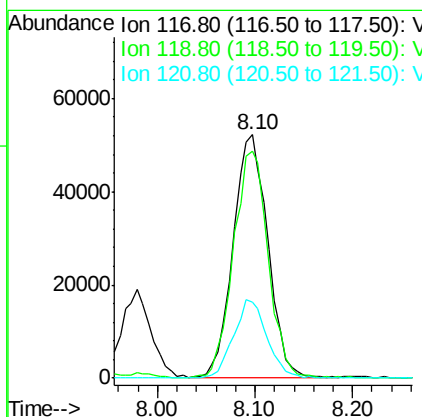
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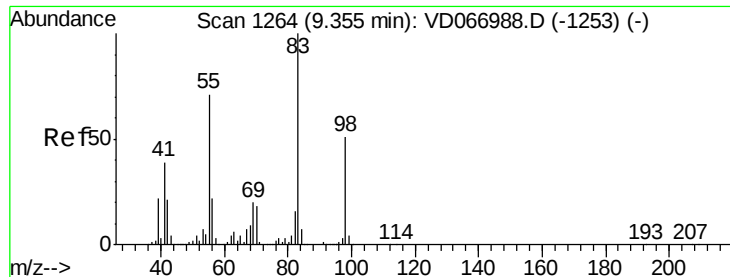
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.594 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	78.7	118.1
121	31.1	24.2	36.2





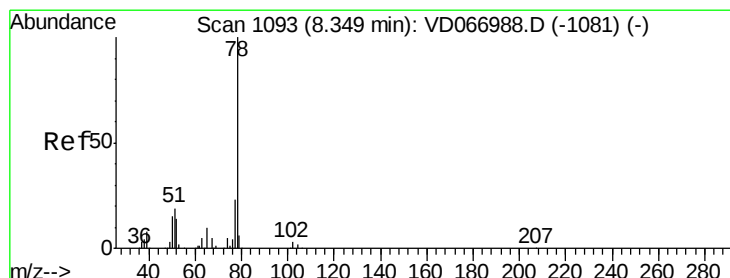
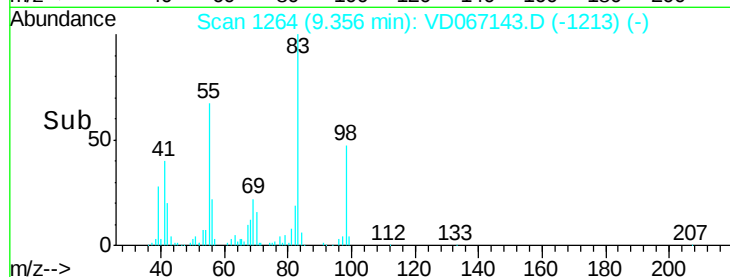
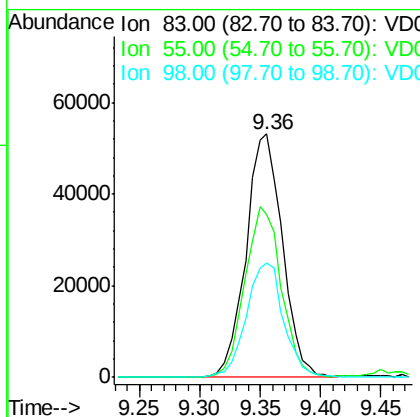
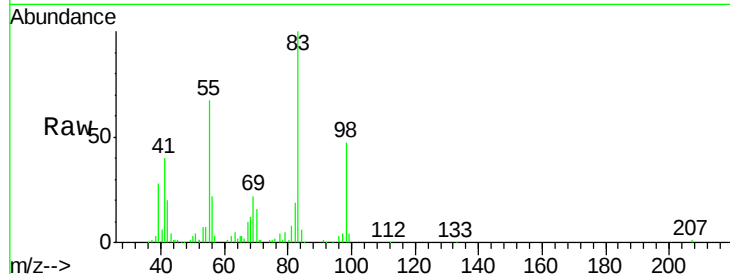
#39
Methvlcvclohexane
Concen: 20.016 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.8	57.1	85.7
98	47.0	40.9	61.3

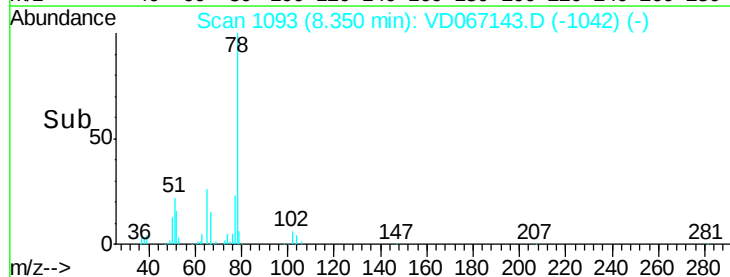
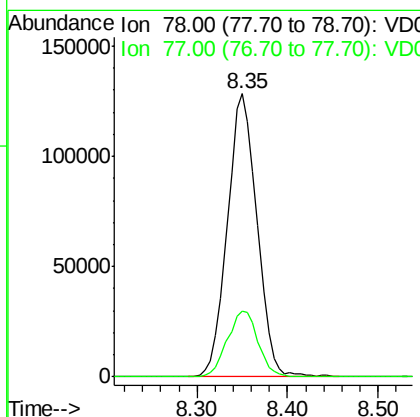
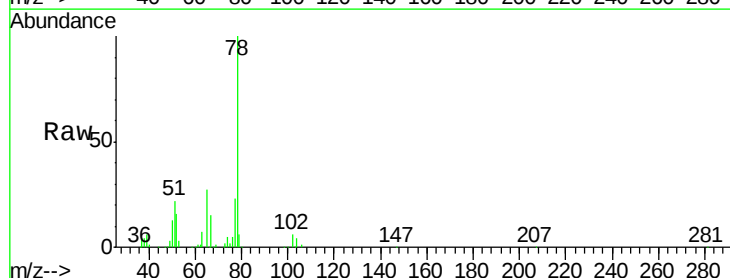
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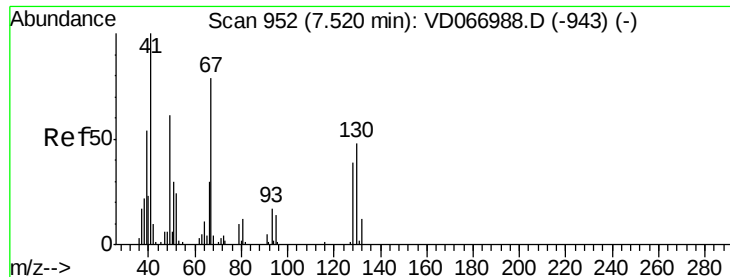
MMDadoda
10/8/2020 5:39:29 PM



#40
Benzene
Concen: 19.919 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6





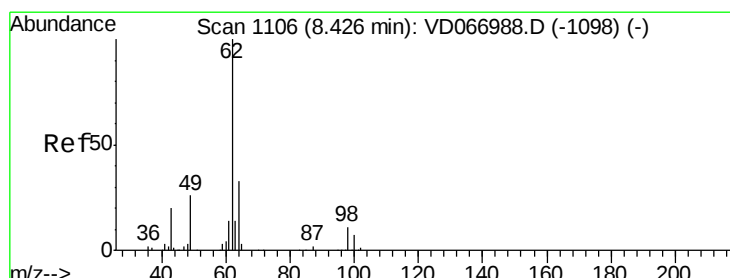
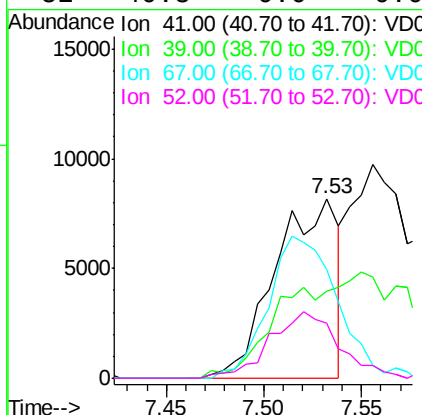
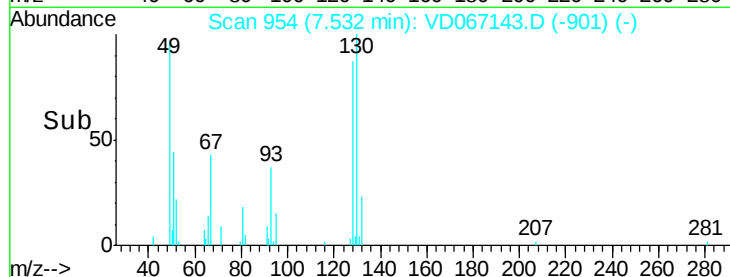
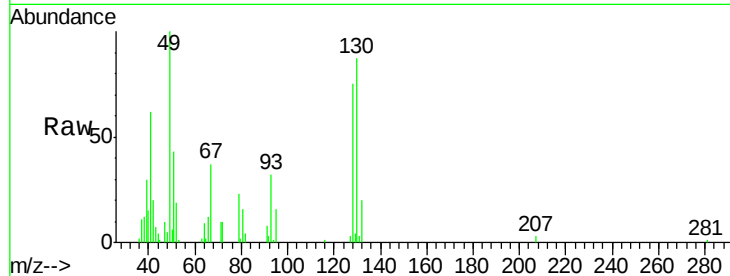
#41
Methacrylonitrile
Concen: 18.538 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	40.1	0.0	0.0	0.0
67	86.9	0.0	0.0	0.0
52	40.8	0.0	0.0	0.0

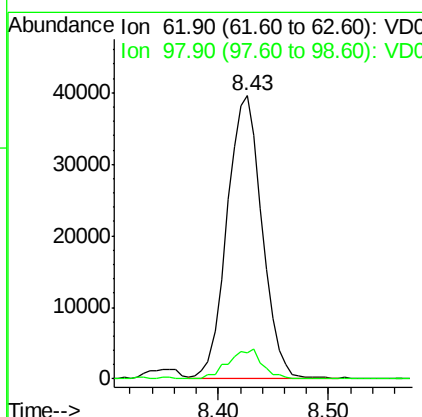
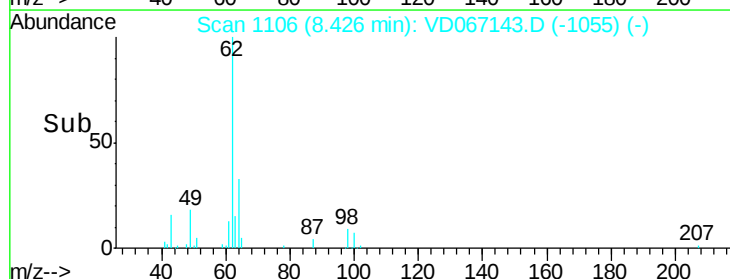
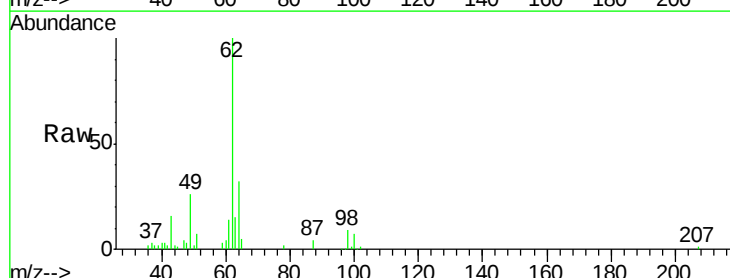
Manual Integrations
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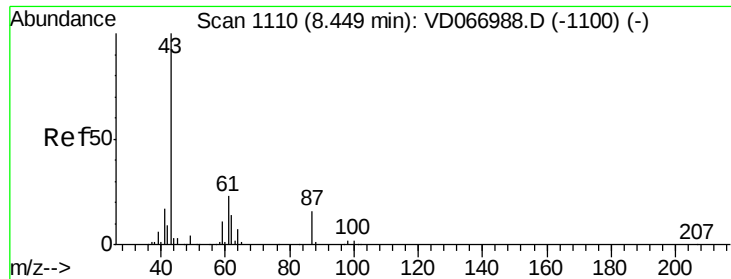
MMDadoda
10/8/2020 5:39:29 PM



#42
1,2-Dichloroethane
Concen: 21.551 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	10.3	0.0	0.0	22.6





#43

Isopropyl Acetate

Concen: 18.406 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

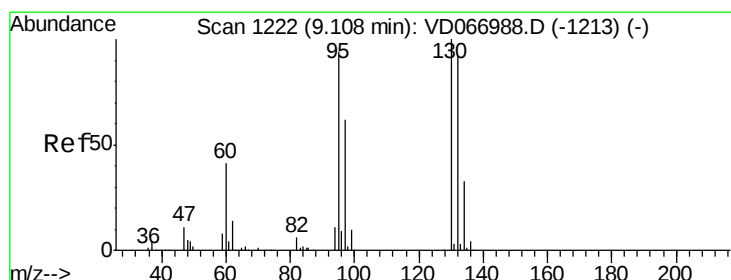
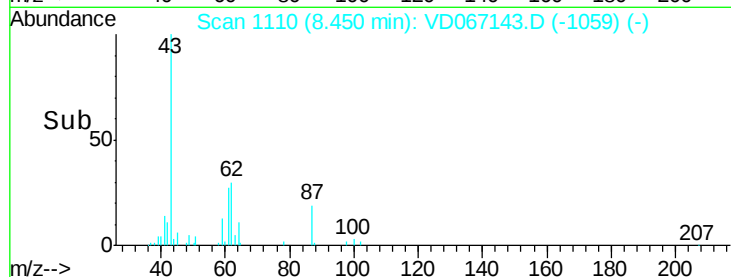
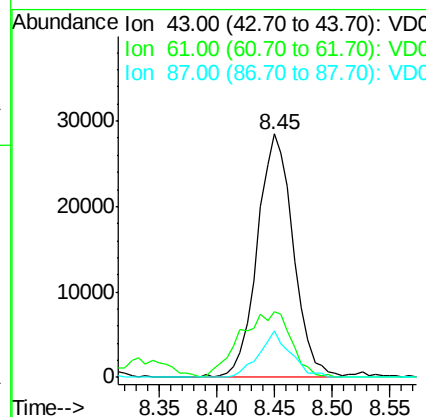
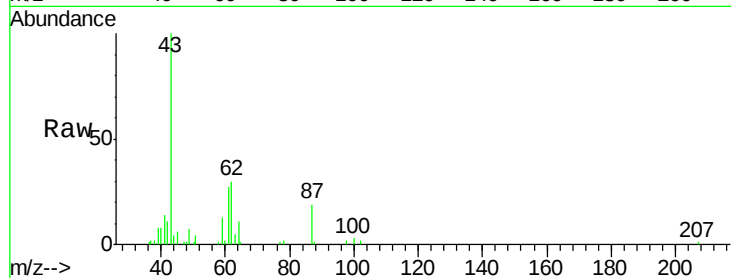
ClientSampleId :

VD1007SBS01

Tot Ion:	43	Resp:	61907
Ion	Ratio	Lower	Upper
43	100		
61	38.4	27.1	40.7
87	16.6	12.3	18.5

Manual Integrations
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MMDadoda
10/8/2020 5:39:29 PM



#44

Trichloroethene

Concen: 21.161 ug/l

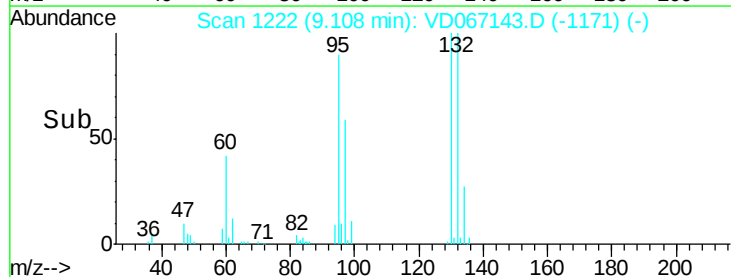
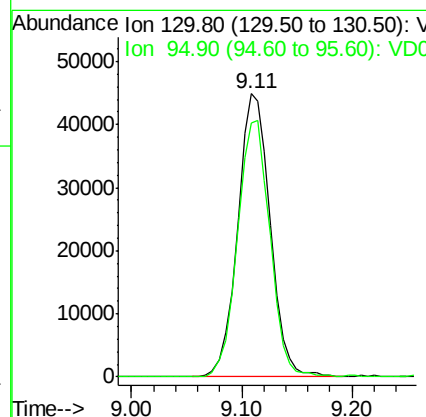
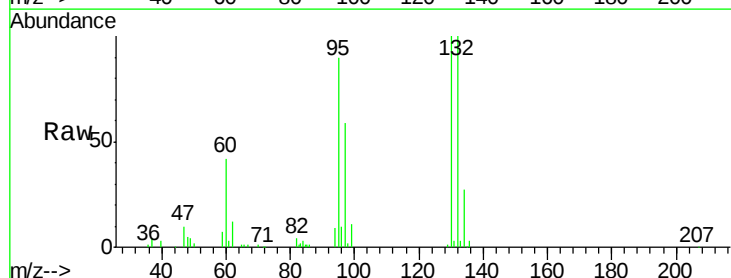
RT: 9.11 min Scan# 1222

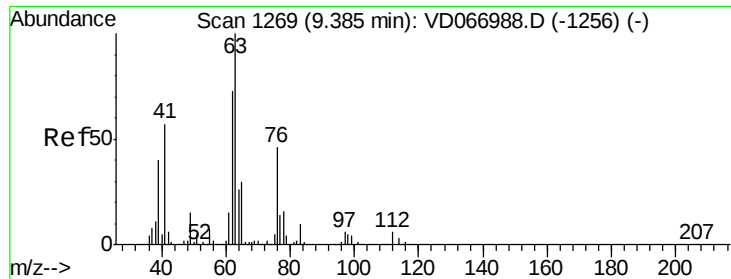
Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion:	130	Resp:	92495
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	187.8





#45

1,2-Dichloropropane

Concen: 20.227 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 63 Resp: 69569

Ion Ratio Lower Upper

63 100

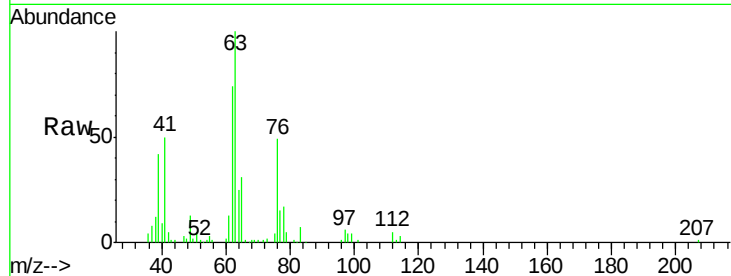
65 30.8 23.7 35.5

Manual Integrations

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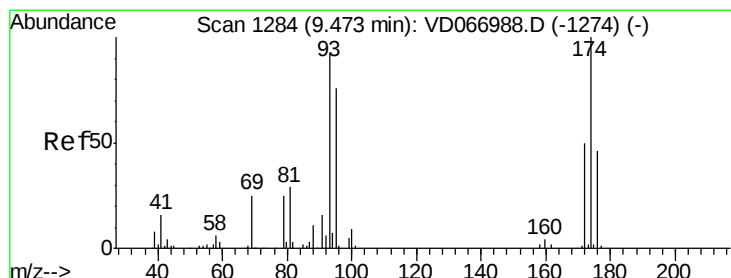
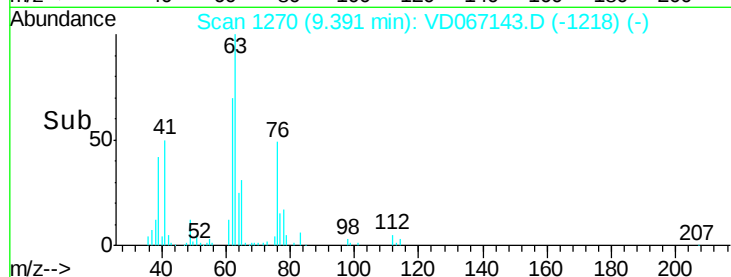
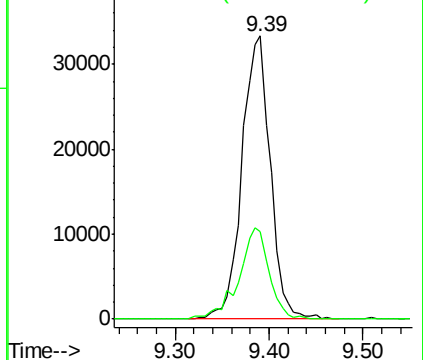
MMDadoda

10/8/2020 5:39:29 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.768 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

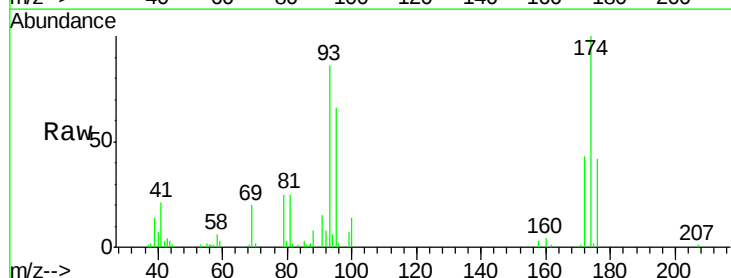
Tgt Ion: 93 Resp: 41053

Ion Ratio Lower Upper

93 100

95 82.9 64.7 97.1

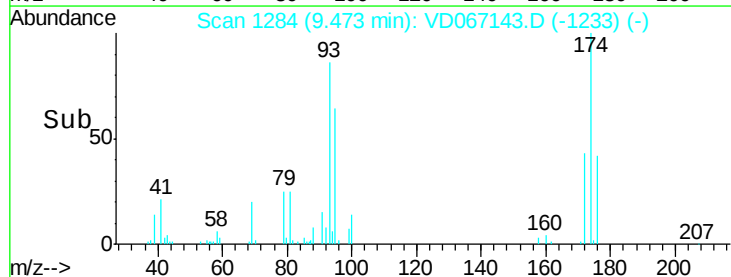
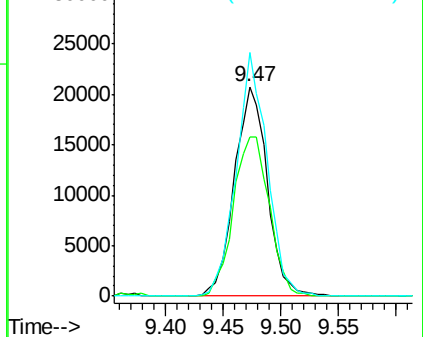
174 109.4 81.4 122.2

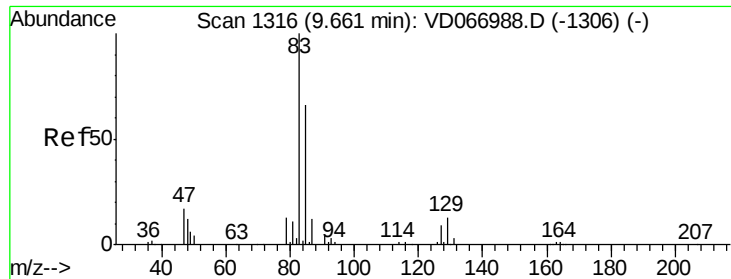


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





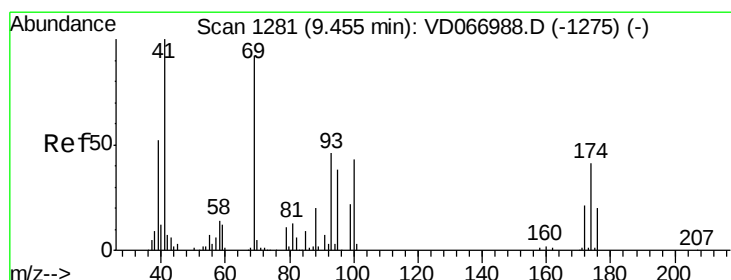
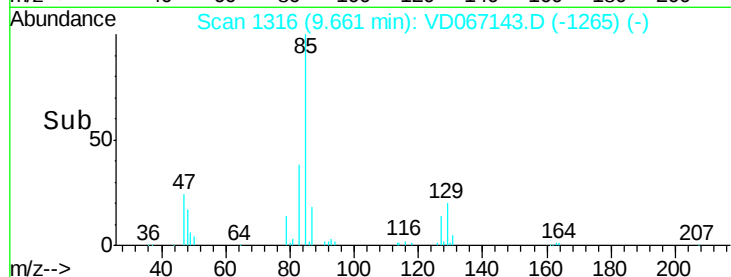
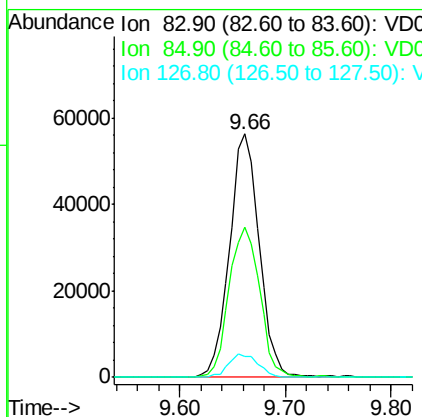
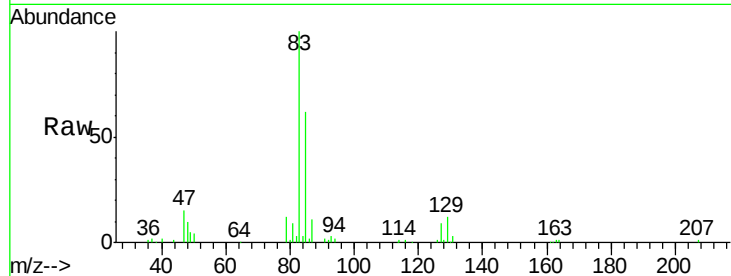
#47
Bromodichloromethane
Concen: 21.291 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	109403		
85	61.5	52.9	79.3	
127	8.7	7.3	10.9	

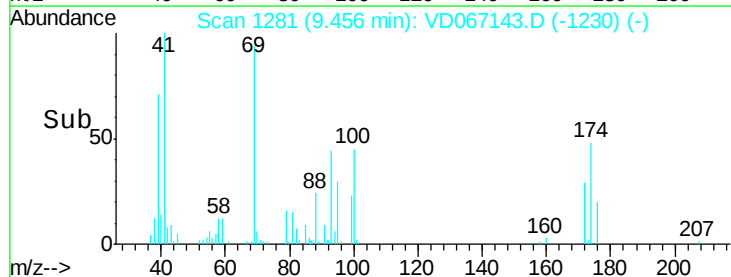
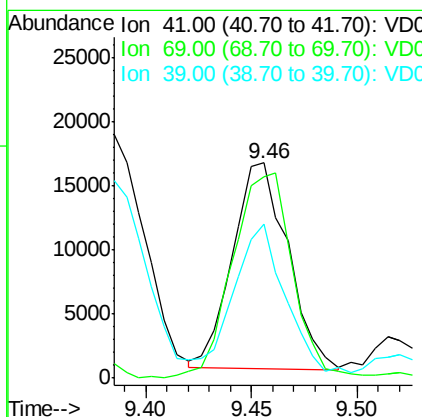
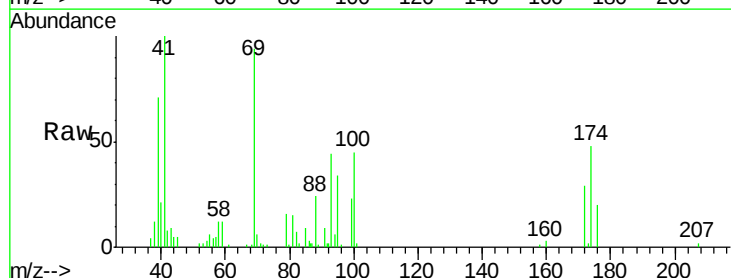
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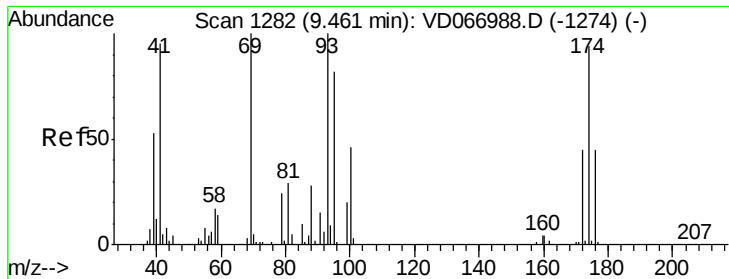
MMDadoda
10/8/2020 5:39:29 PM



#48
Methyl methacrylate
Concen: 16.960 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	29224		
69	107.8	68.5	102.7#	
39	71.4	40.2	60.2#	





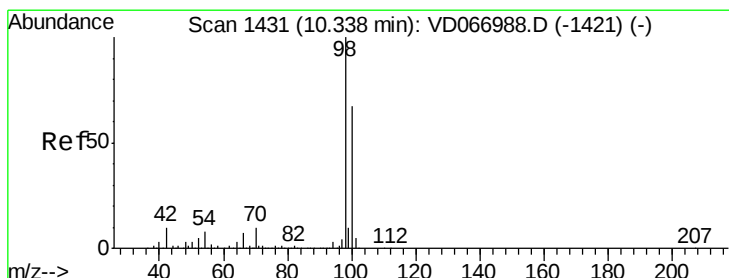
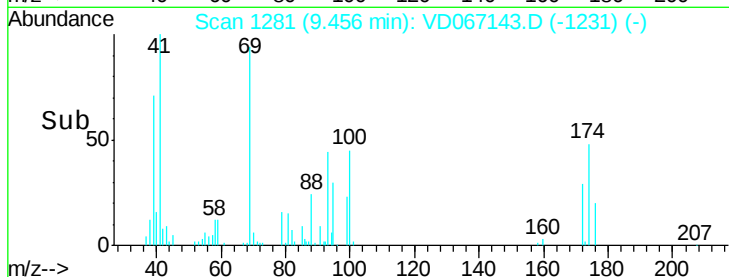
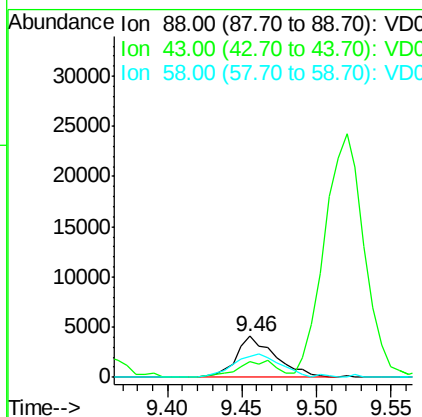
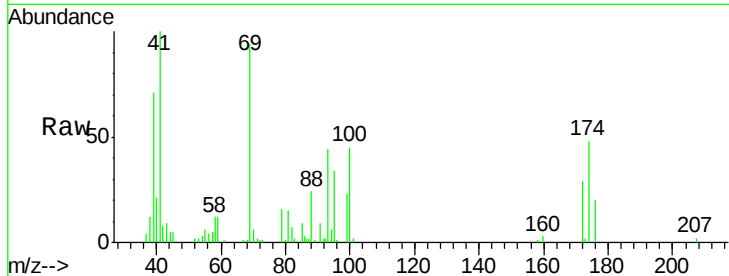
#49
1,4-Dioxane
Concen: 364.105 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 88 Resp: 7512
Ion Ratio Lower Upper
88 100
43 38.5 25.6 38.4#
58 66.1 53.5 80.3

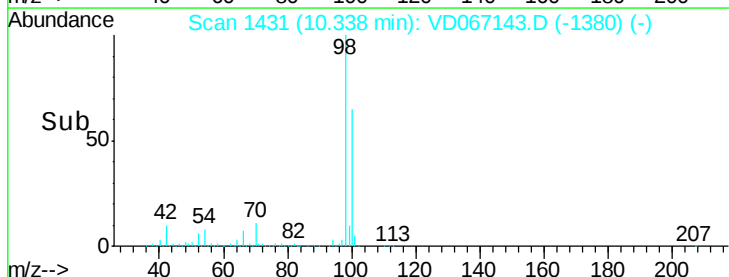
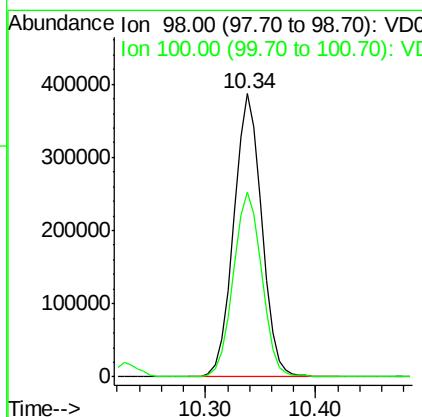
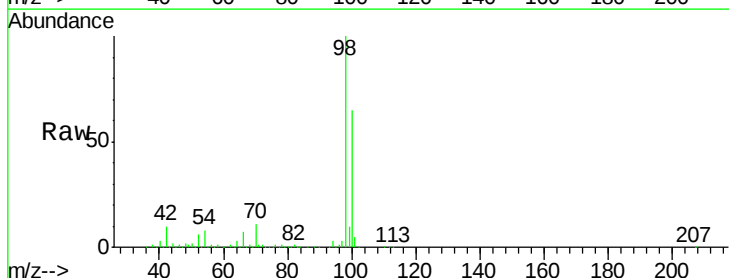
Manual Integrations
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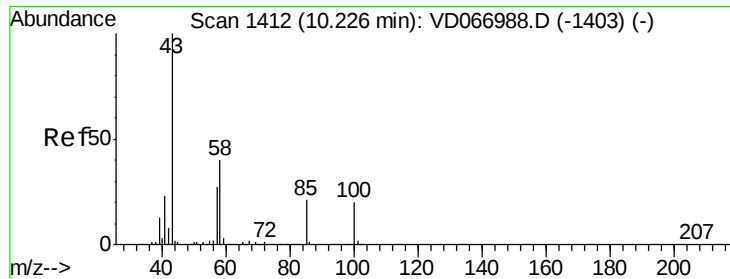
MMDadoda
10/8/2020 5:39:29 PM



#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 98 Resp: 690956
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2





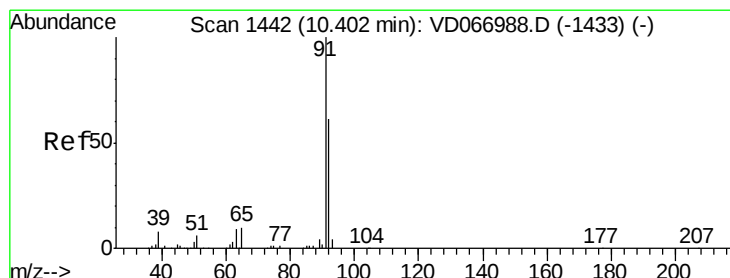
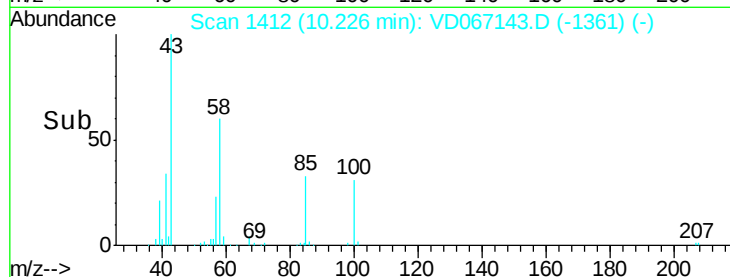
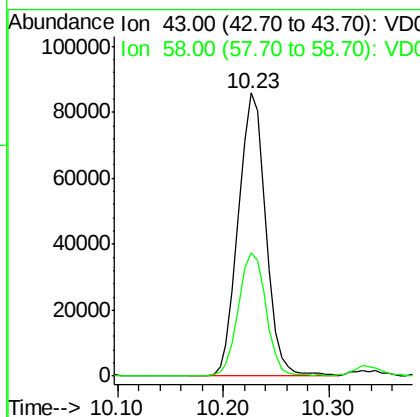
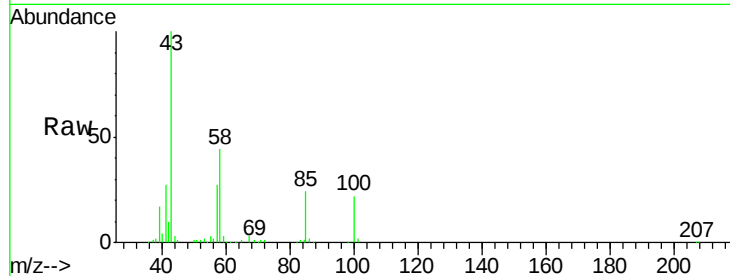
#51
4-Methyl-2-Pentanone
Concen: 92.659 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.8	33.8	50.8

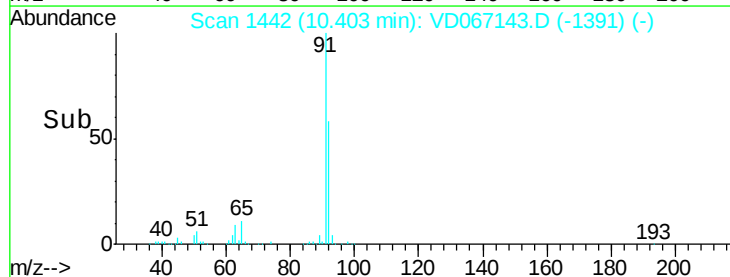
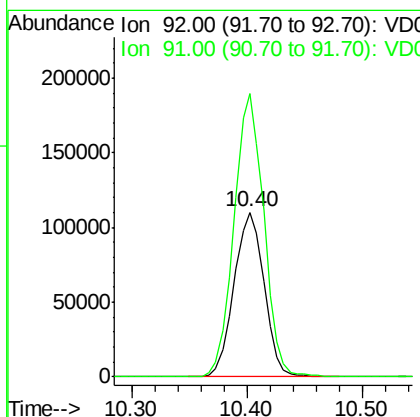
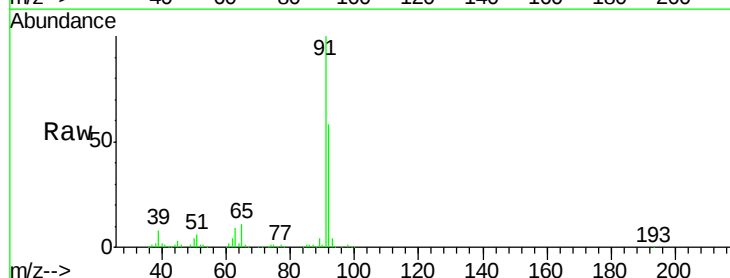
Manual Integrations
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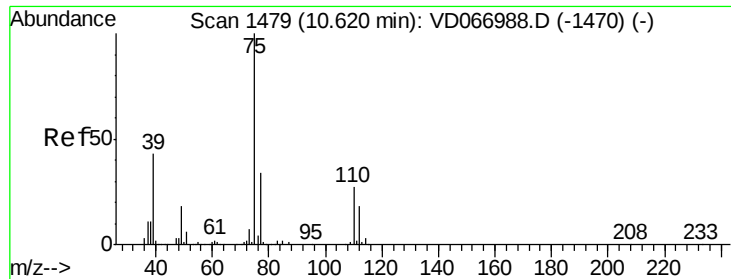
MMDadoda
10/8/2020 5:39:29 PM



#52
Toluene
Concen: 21.138 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.8	135.1	202.7





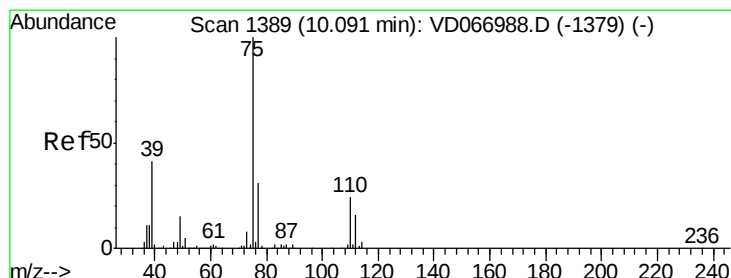
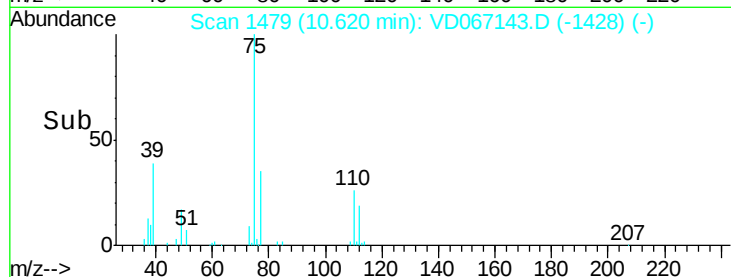
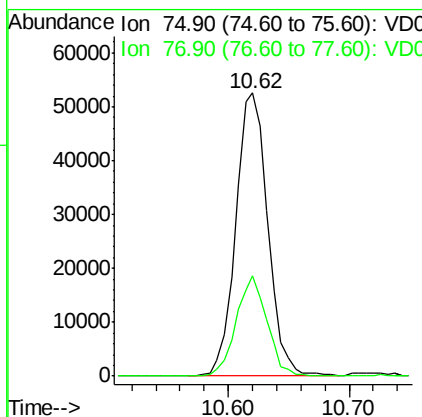
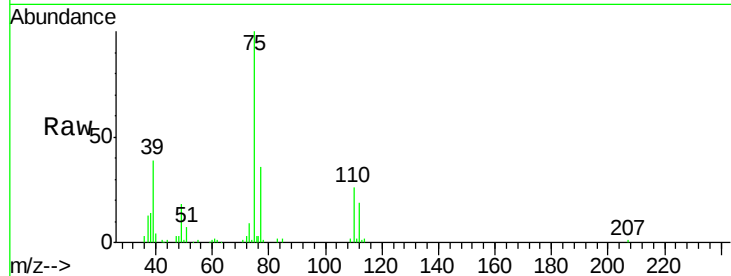
#53
t-1,3-Dichloropropene
Concen: 21.155 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 75 Resp: 97155
Ion Ratio Lower Upper
75 100
77 35.5 27.1 40.7

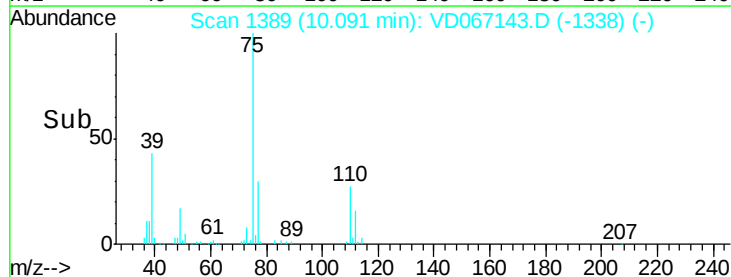
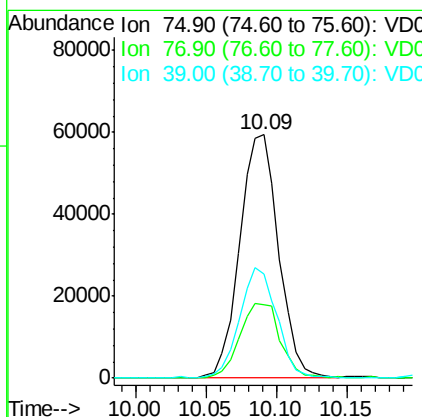
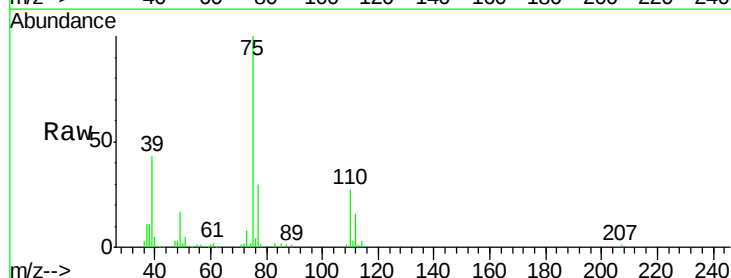
Manual Integrations
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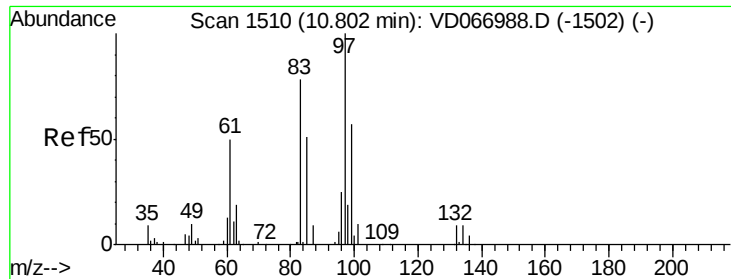
MMDadoda
10/8/2020 5:39:29 PM



#54
cis-1,3-Dichloropropene
Concen: 20.419 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 75 Resp: 114506
Ion Ratio Lower Upper
75 100
77 30.3 24.6 37.0
39 42.5 33.0 49.4





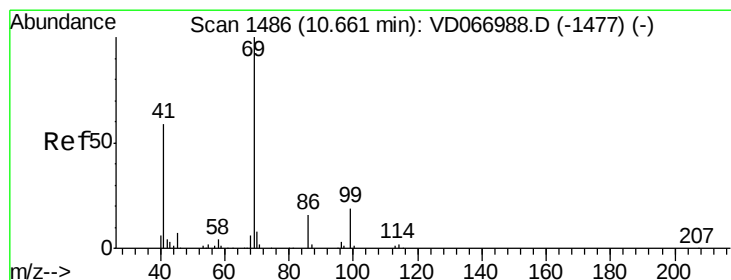
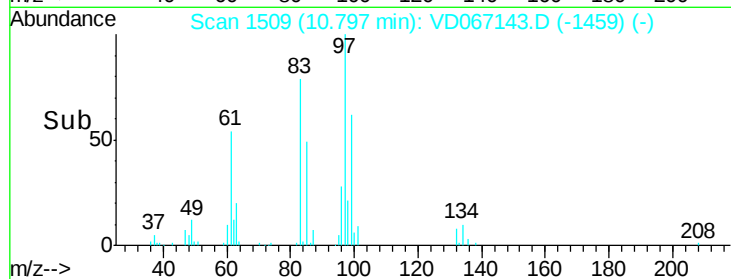
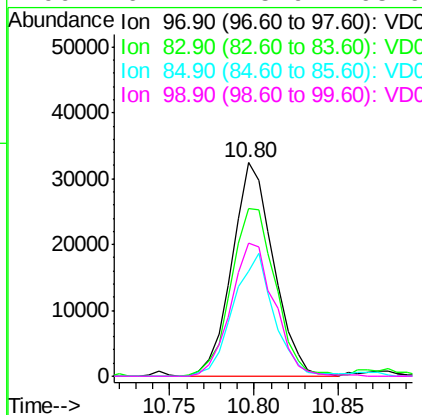
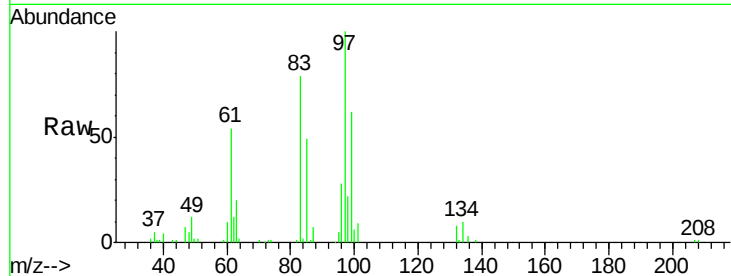
#55
 1,1,2-Trichloroethane
 Concen: 20.215 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion:	97	Resp:	55557
Ion	Ratio	Lower	Upper
97	100		
83	78.0	62.4	93.6
85	49.1	41.0	61.4
99	62.1	45.9	68.9

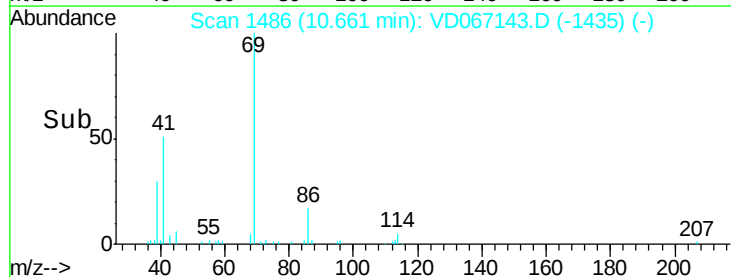
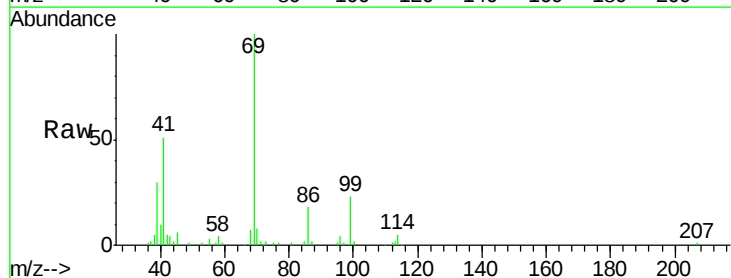
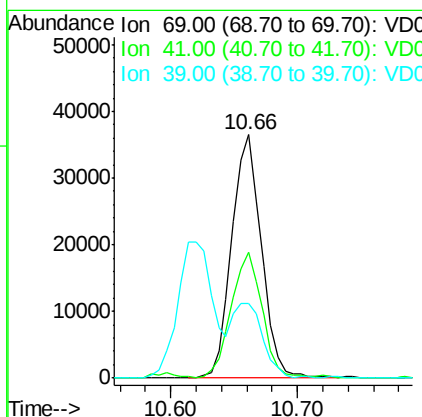
Manual Integrations
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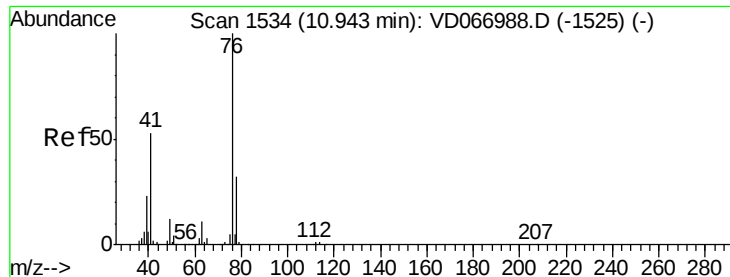
MMDadoda
 10/8/2020 5:39:29 PM



#56
 Ethyl methacrylate
 Concen: 20.821 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion:	69	Resp:	59078
Ion	Ratio	Lower	Upper
69	100		
41	53.6	46.4	69.6
39	31.3	23.8	35.6





#57

1,3-Dichloropropane

Concen: 21.032 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 76 Resp: 93735

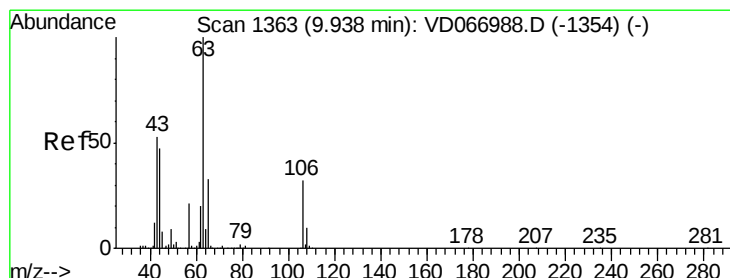
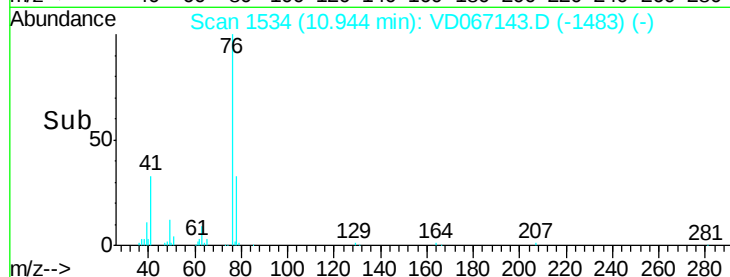
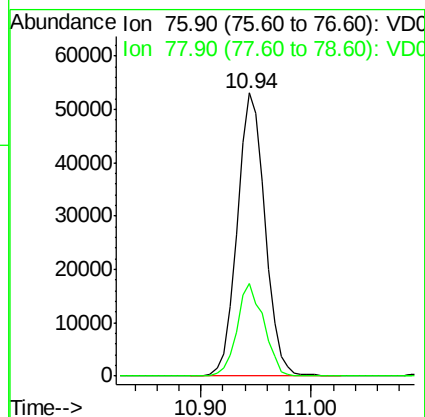
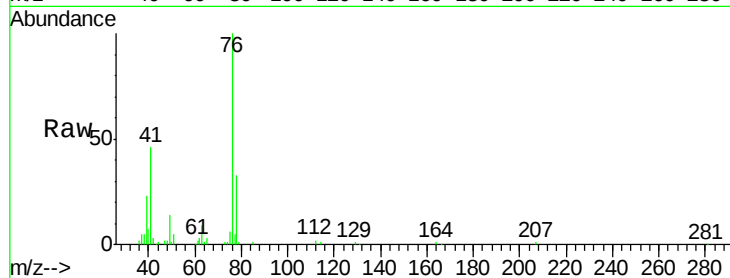
Ion Ratio Lower Upper

76 100

78 31.6 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
10/8/2020 5:39:29 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.220 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD067143.D

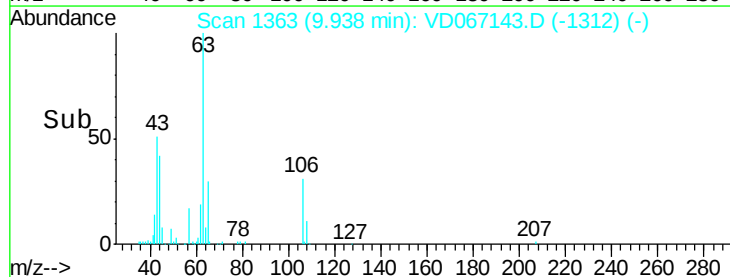
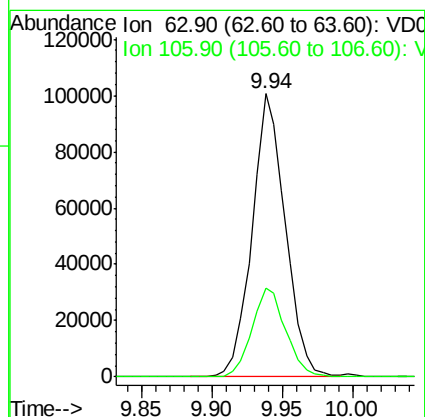
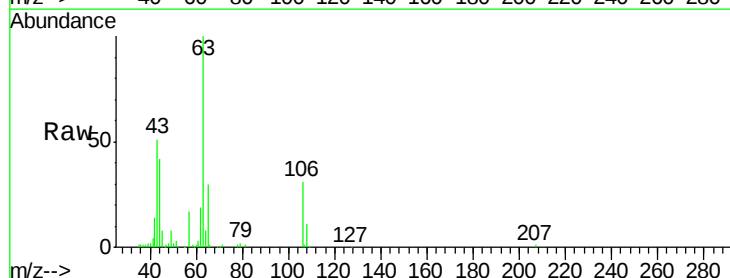
Acq: 07 Oct 2020 10:59

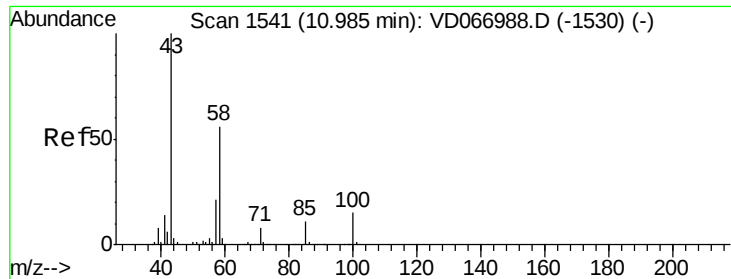
Tgt Ion: 63 Resp: 166174

Ion Ratio Lower Upper

63 100

106 32.0 25.3 37.9





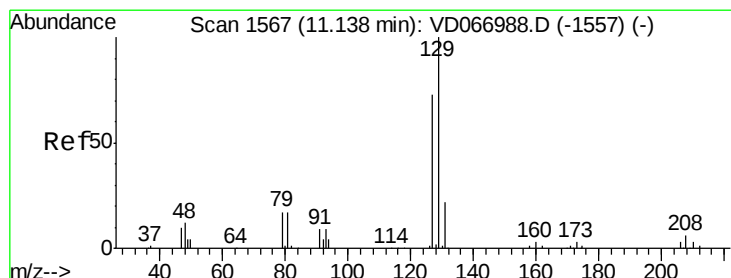
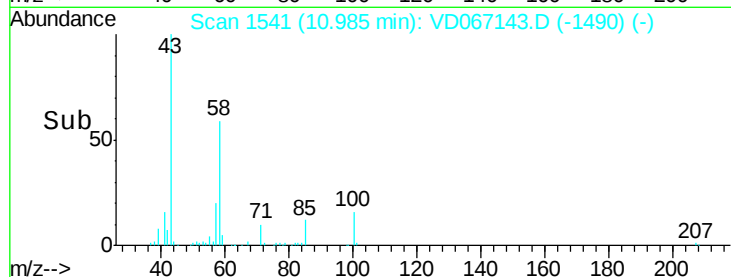
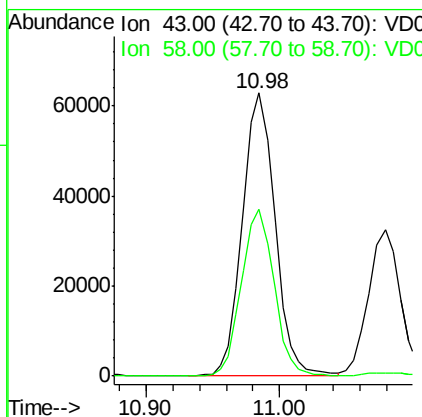
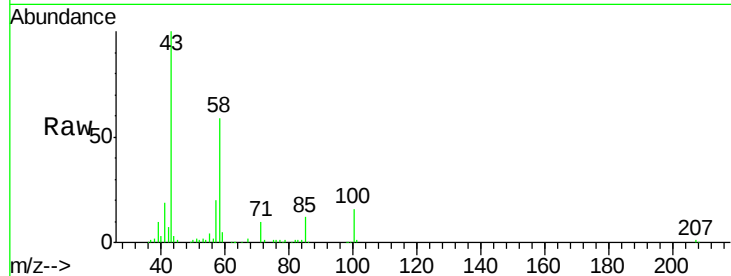
#59
2-Hexanone
Concen: 95.557 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 43 Resp: 106848
Ion Ratio Lower Upper
43 100
58 58.8 28.3 84.9

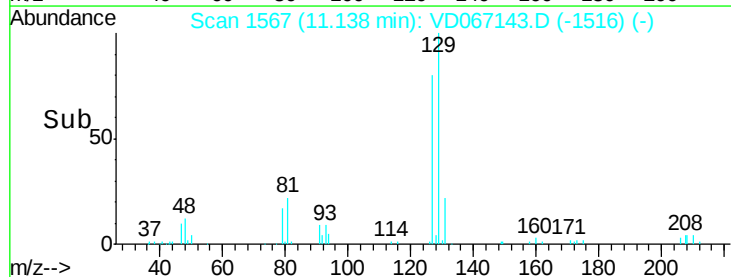
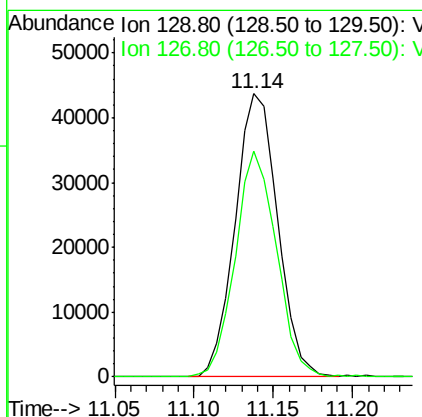
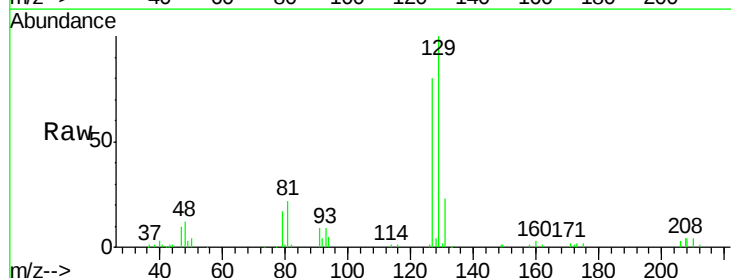
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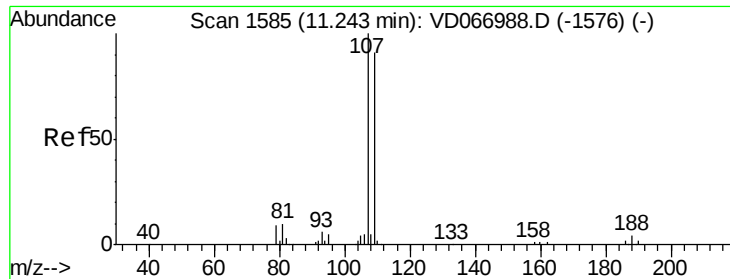
MMDadoda
10/8/2020 5:39:29 PM



#60
Dibromochloromethane
Concen: 22.198 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 129 Resp: 81314
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.1





#61

1,2-Dibromoethane

Concen: 21.066 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 107 Resp: 55622

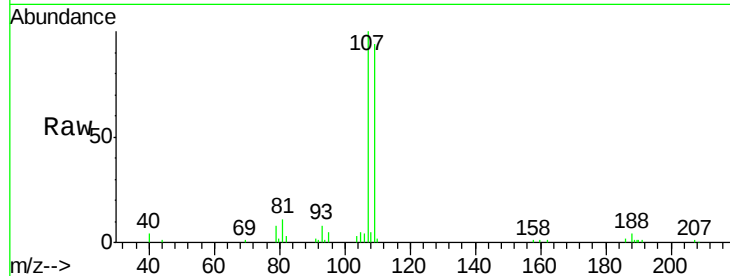
Ion Ratio Lower Upper

107 100

109 95.5 74.0 111.0

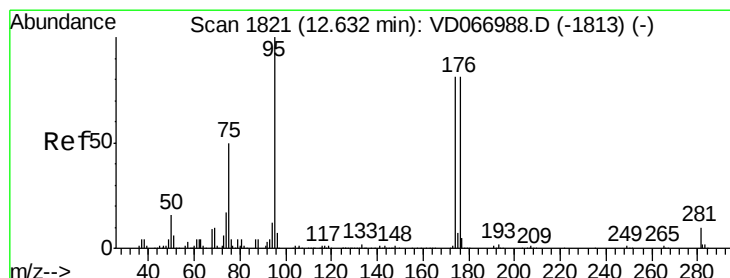
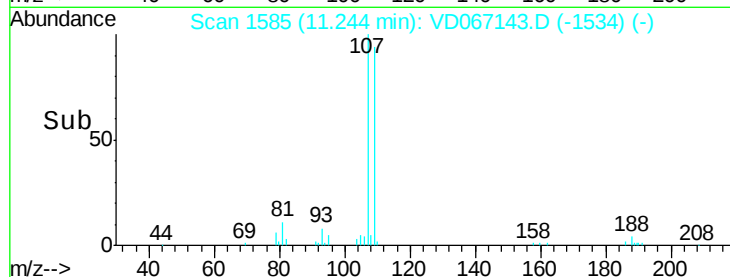
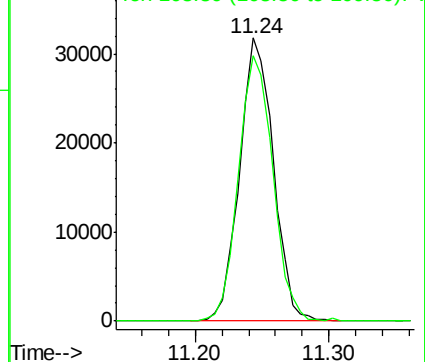
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.395 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

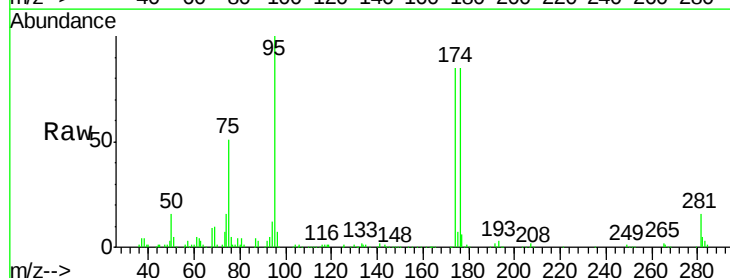
Tgt Ion: 95 Resp: 244488

Ion Ratio Lower Upper

95 100

174 86.6 0.0 167.6

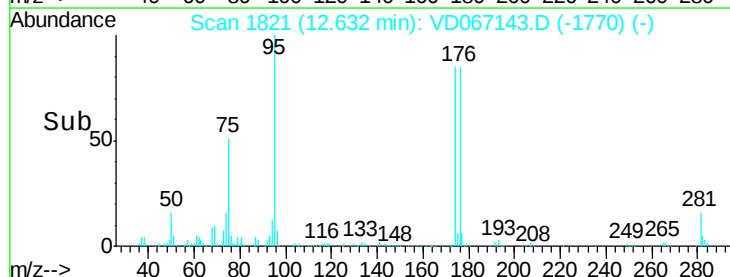
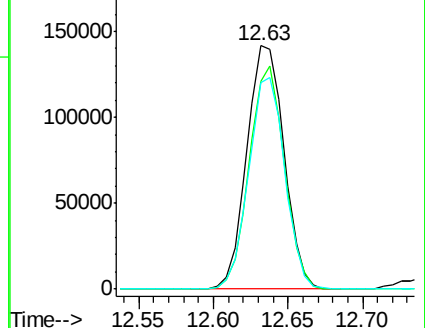
176 84.1 0.0 162.4

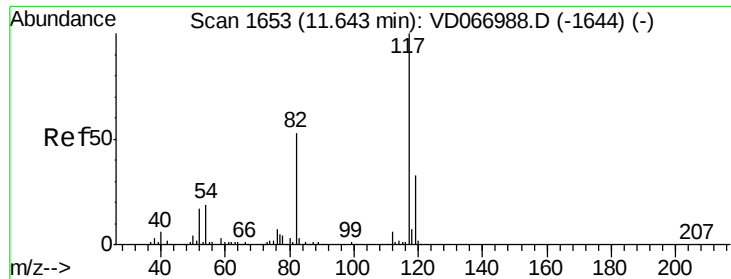


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





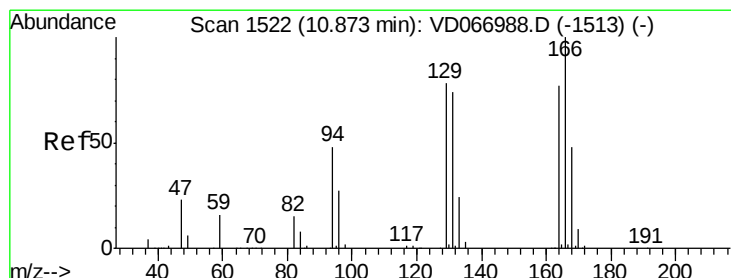
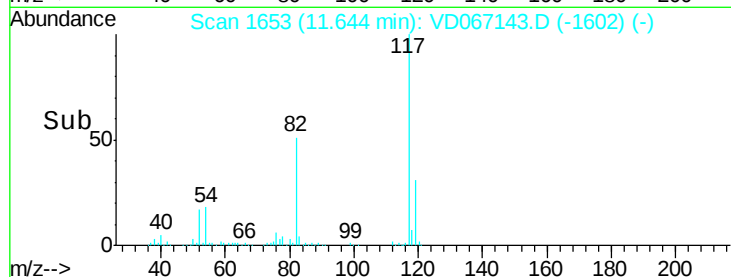
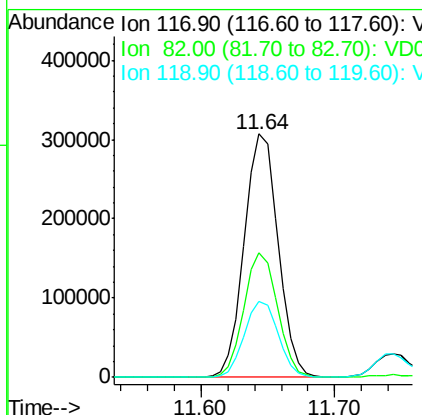
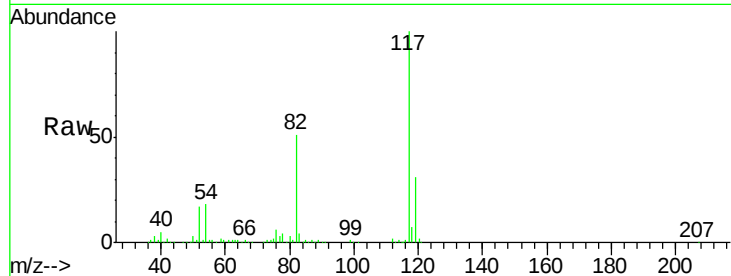
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.6	63.8
119	31.0	26.3	39.5

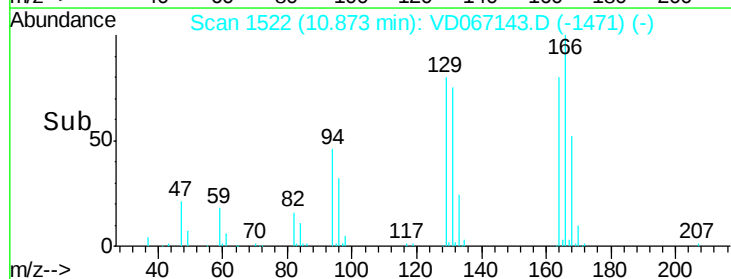
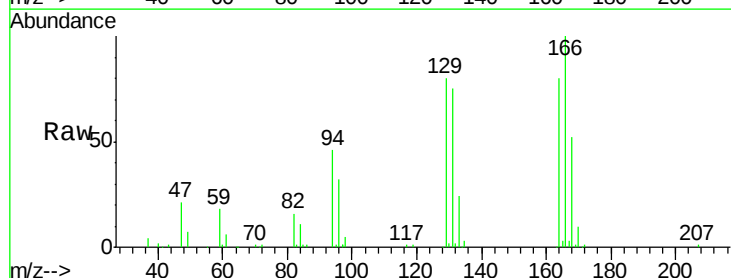
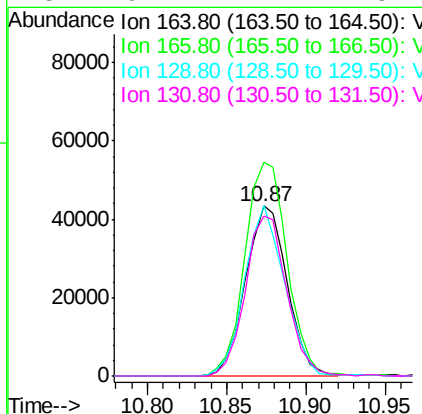
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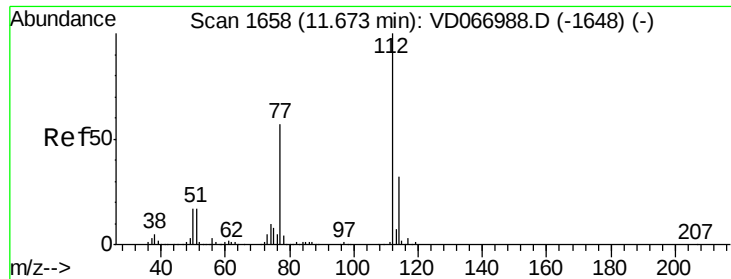
MMDadoda
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#64
Tetrachloroethene
Concen: 20.163 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	104.4	156.6
129	100.1	81.3	121.9
131	94.4	77.1	115.7





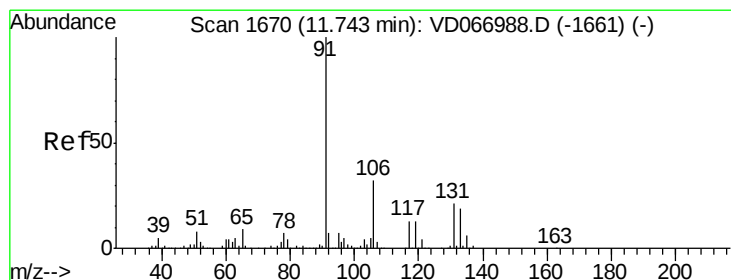
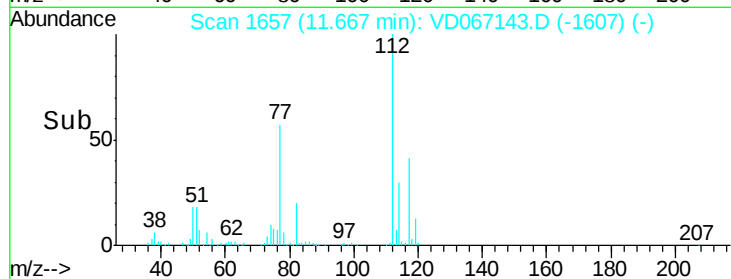
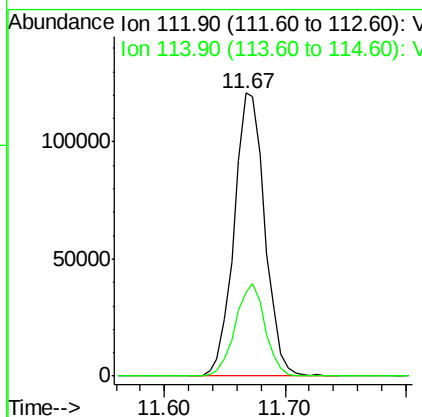
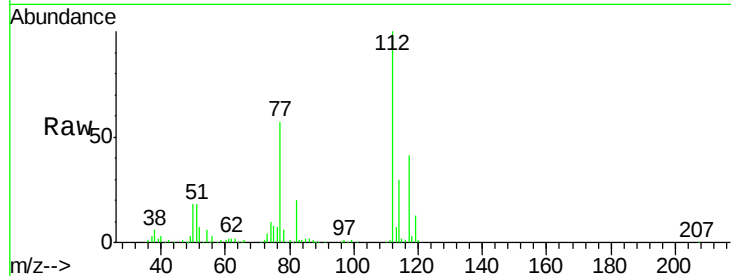
#65
Chlorobenzene
Concen: 20.002 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	214310		
114	29.7	25.4	38.0	

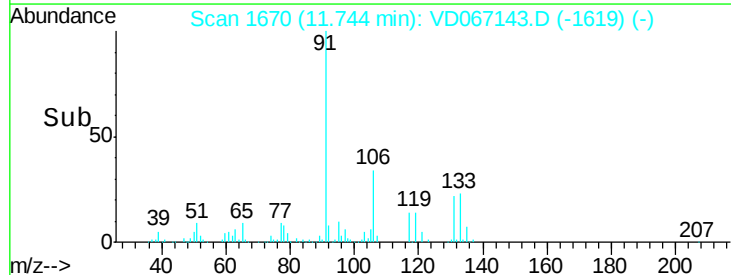
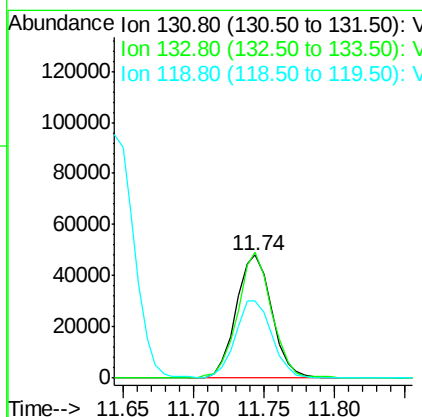
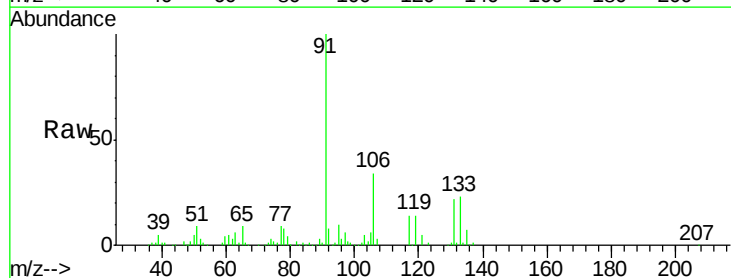
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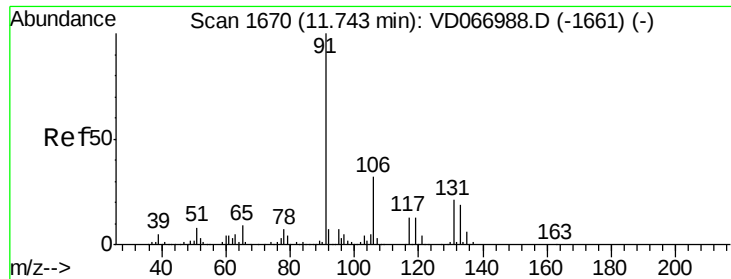
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.808 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	84806		
133	97.5	47.8	143.3	
119	64.2	32.3	96.8	





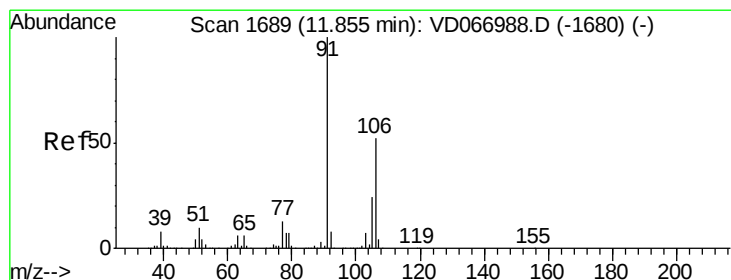
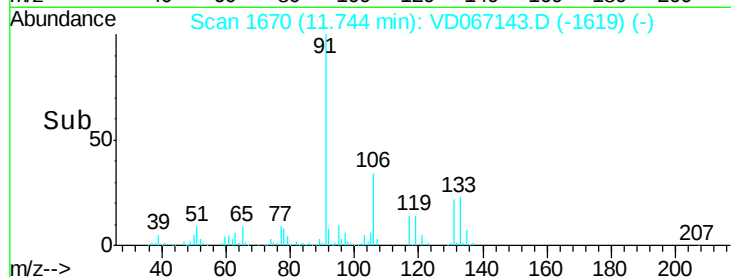
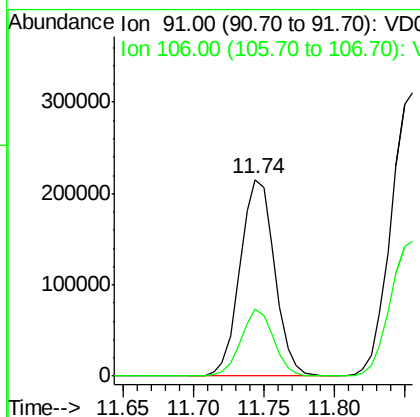
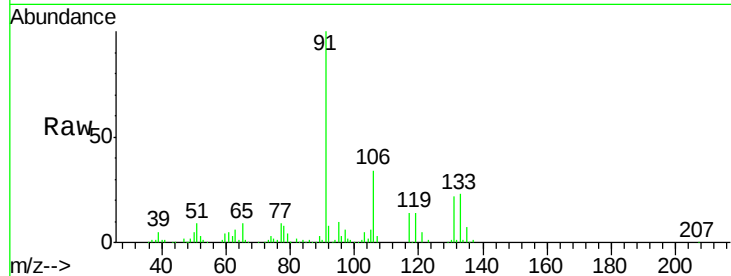
#67
Ethyl Benzene
Concen: 20.106 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	91	Resp	369105
Ion Ratio	100	Lower	Upper
106	34.2	25.4	38.2

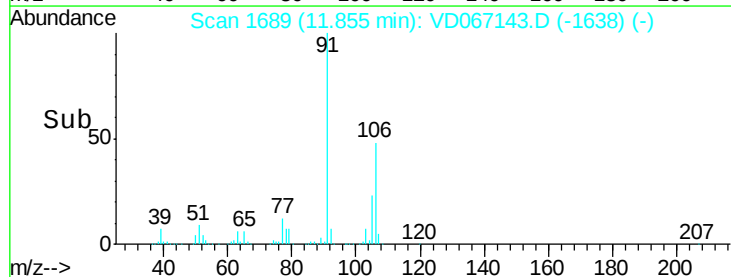
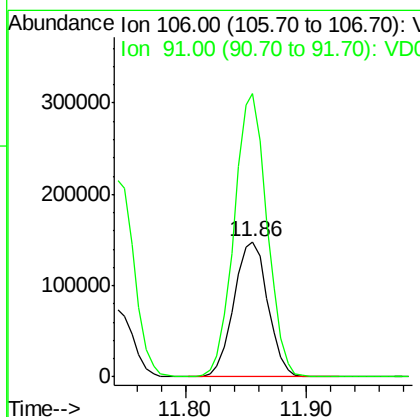
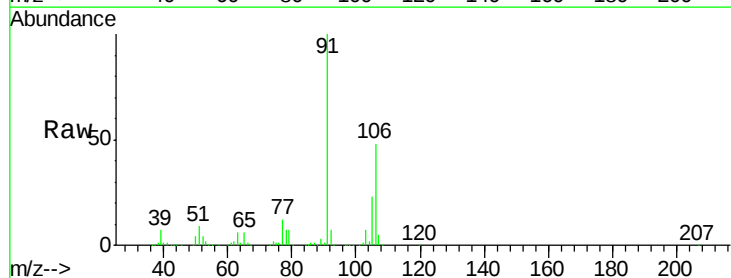
Manual Integrations
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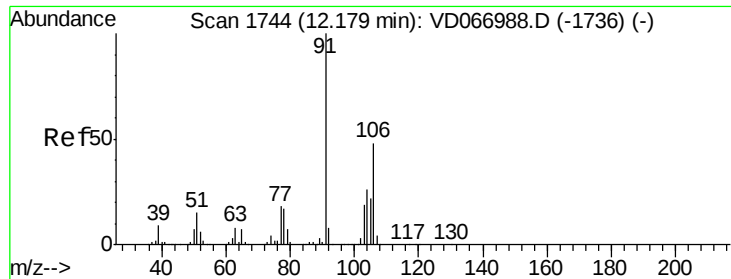
MMDadoda
10/8/2020 5:39:29 PM



#68
m/p-Xylenes
Concen: 40.616 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	106	Resp	290579
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	202.2	158.4	237.6





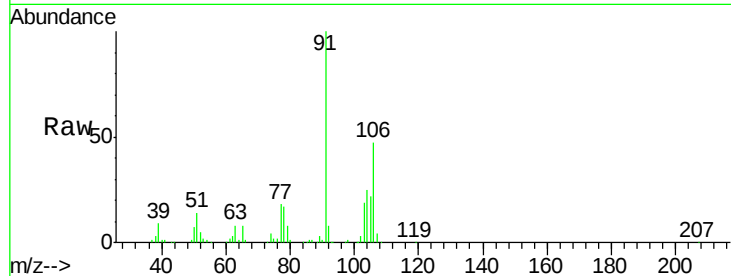
#69
o-Xylene
Concen: 20.510 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

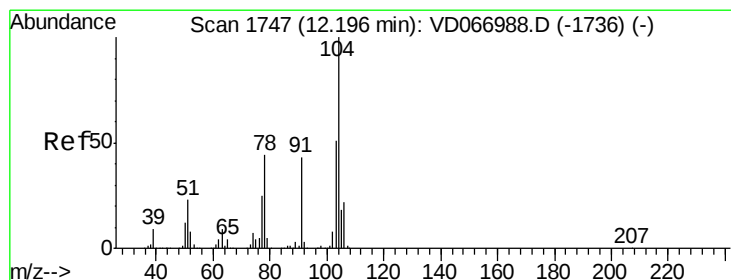
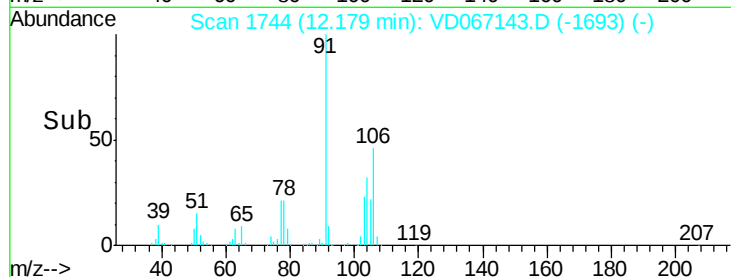
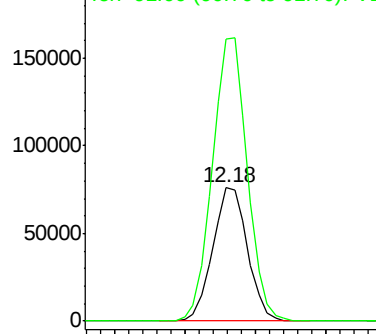
Tot Ion:106 Resp: 131220
Ion Ratio Lower Upper
106 100
91 212.5 102.4 307.2

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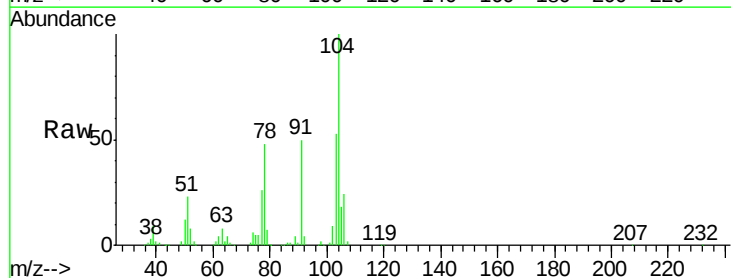


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

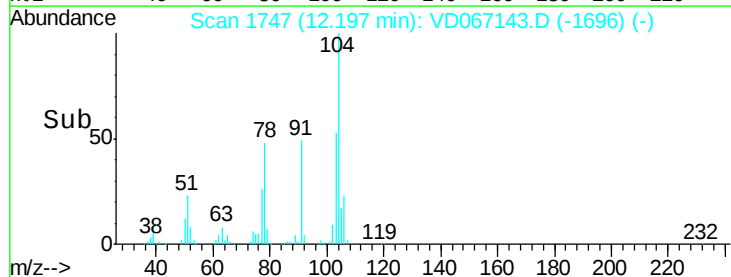
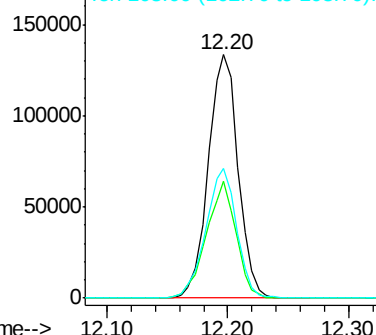


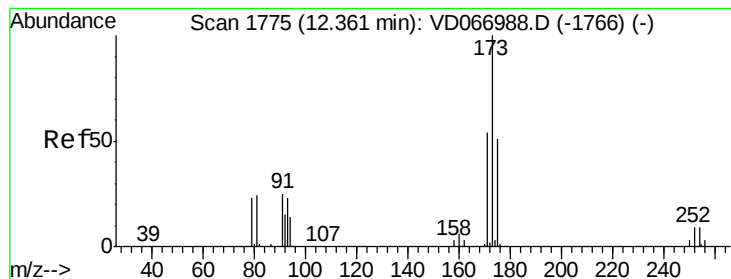
#70
Styrene
Concen: 20.878 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion:104 Resp: 229360
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 55.2 43.4 65.0



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





#71

Bromoform

Concen: 21.074 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

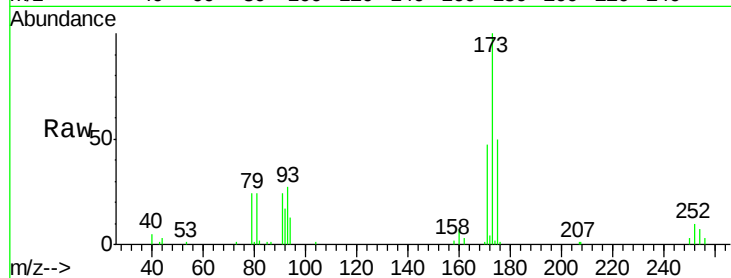
ClientSampleId :

VD1007SBS01

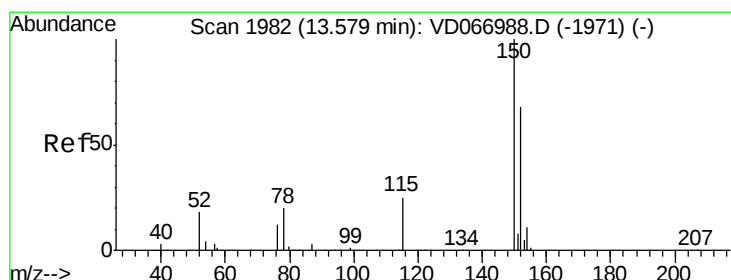
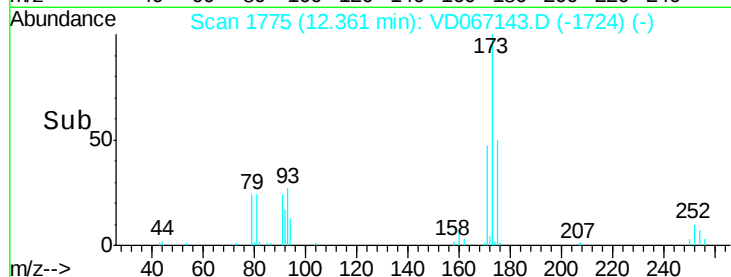
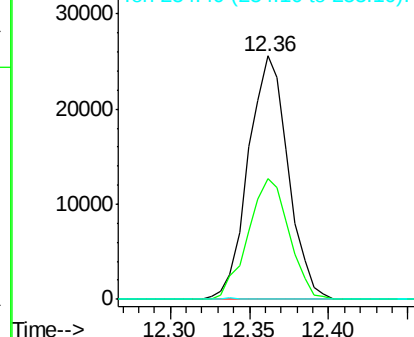
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	24.9	74.7
254	0.0	0.2	0.4

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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

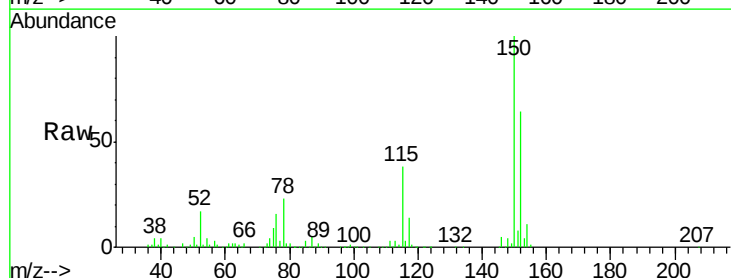
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

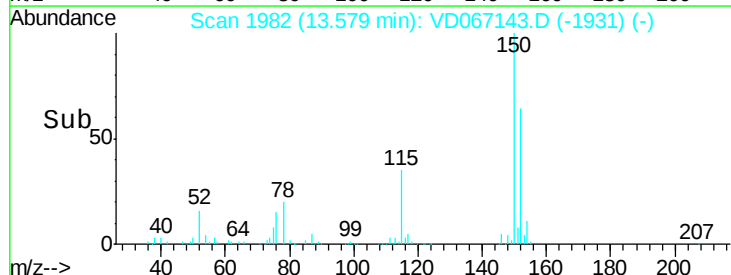
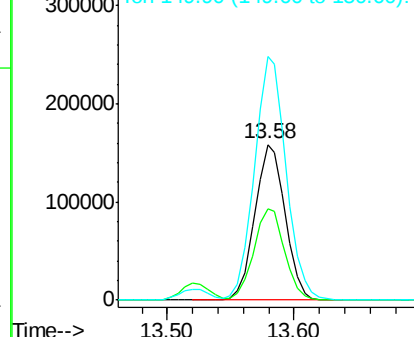
Lab File: VD067143.D

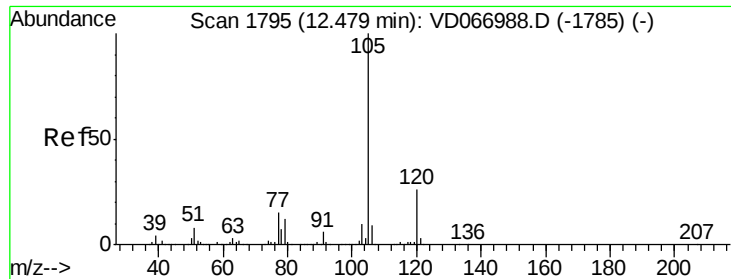
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.6	88.8
150	164.0	0.0	344.8



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





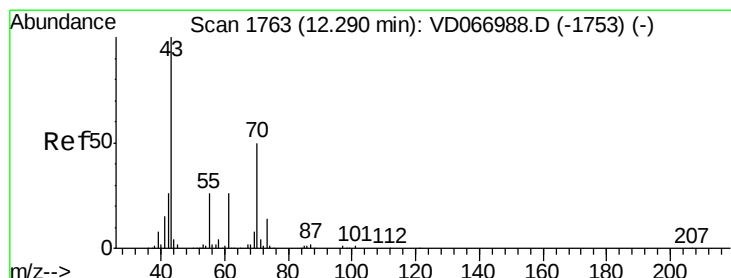
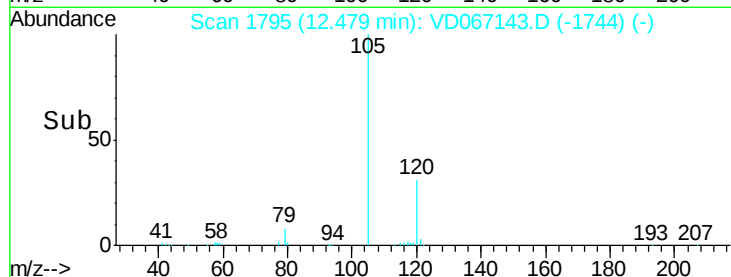
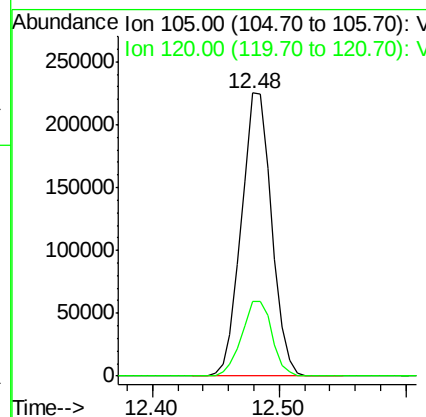
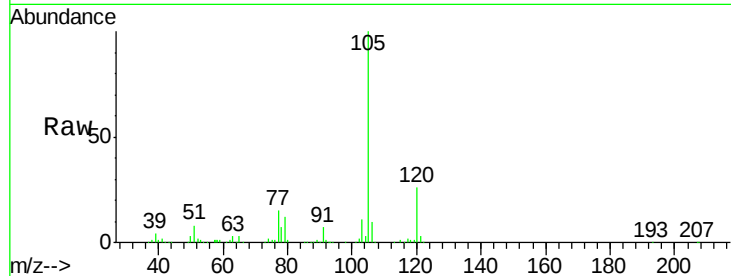
#73
Isopropylbenzene
Concen: 20.761 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.9

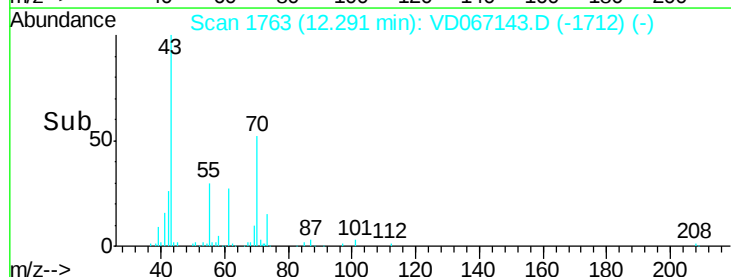
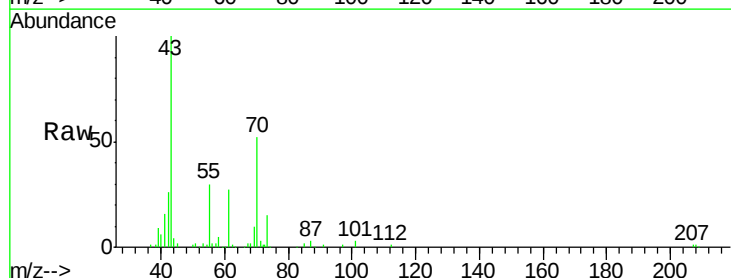
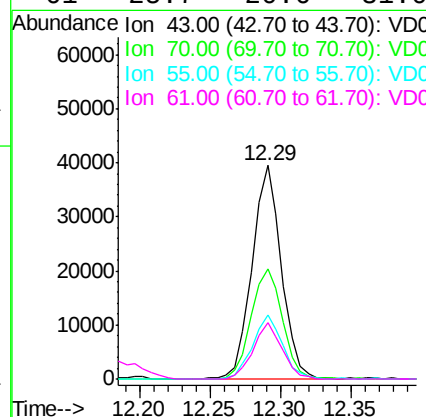
Manual Integrations
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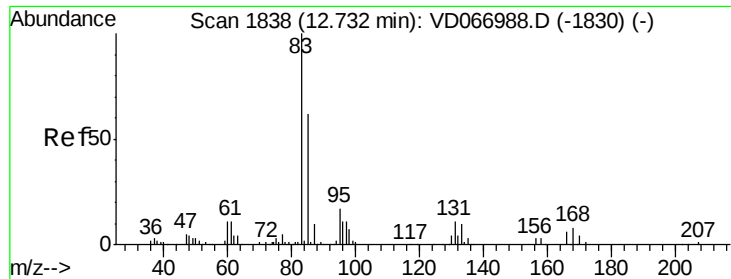
MMDadoda
10/8/2020 5:39:29 PM



#74
N-ethyl acetate
Concen: 17.897 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	55.2	38.2	57.2
55	30.8	22.4	33.6
61	25.7	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.890 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

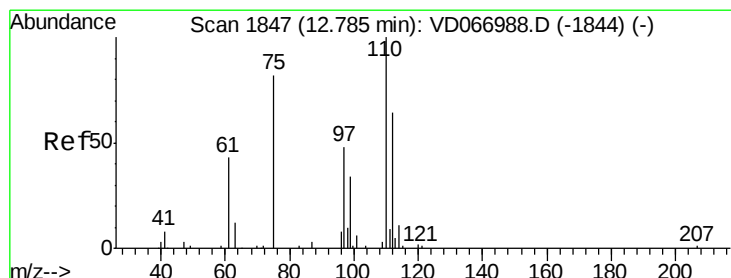
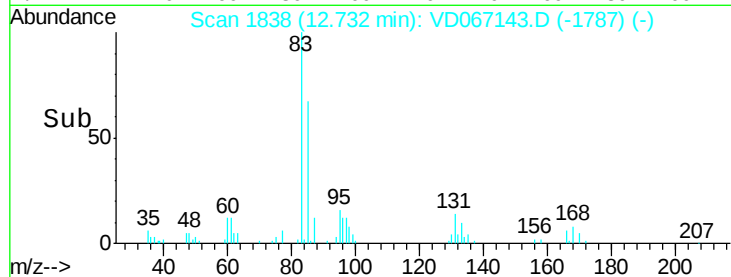
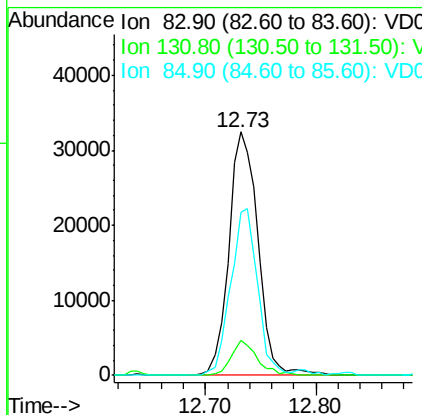
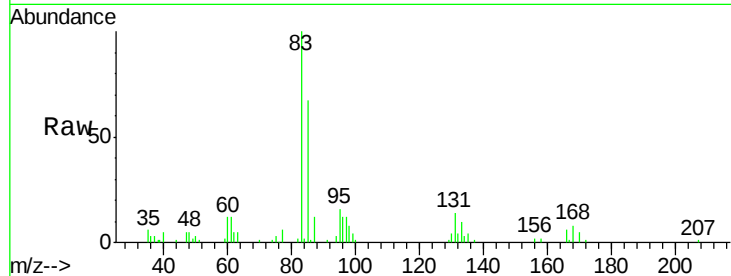
ClientSampleId :

VD1007SBS01

Tot Ion:	83	Resp:	59945
Ion Ratio	Lower	Upper	
83	100		
131	12.9	5.7	17.0
85	63.2	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.915 ug/l m

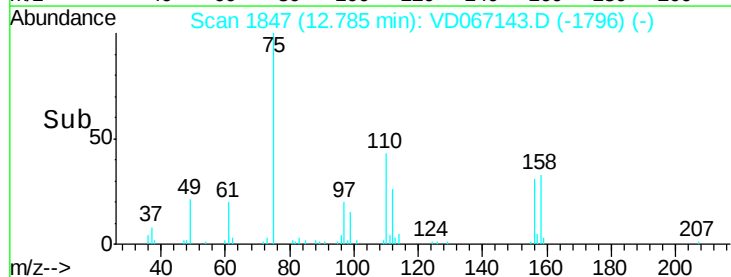
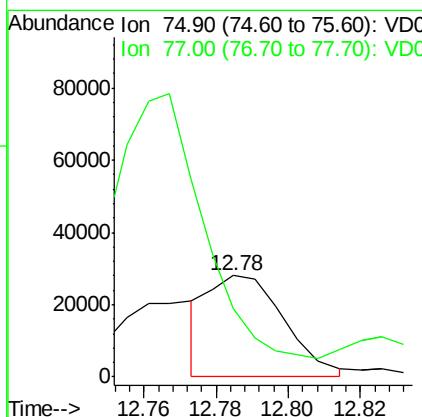
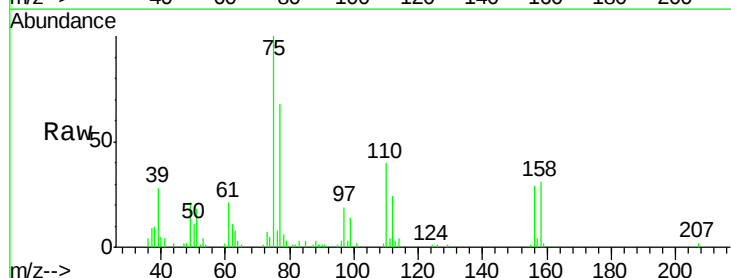
RT: 12.78 min Scan# 1847

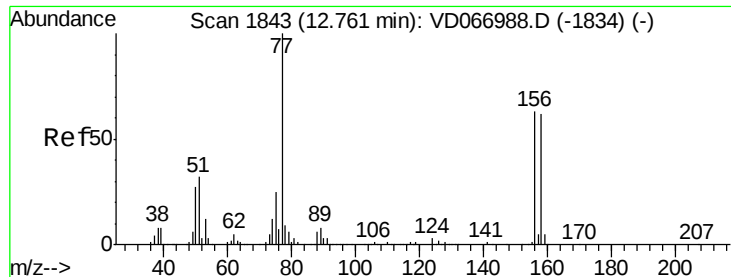
Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion:	75	Resp:	41109
Ion Ratio	Lower	Upper	
75	100		
77	361.9	0.0	0.0#





#77

Bromobenzene

Concen: 21.428 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:156 Resp: 92553

Ion Ratio Lower Upper

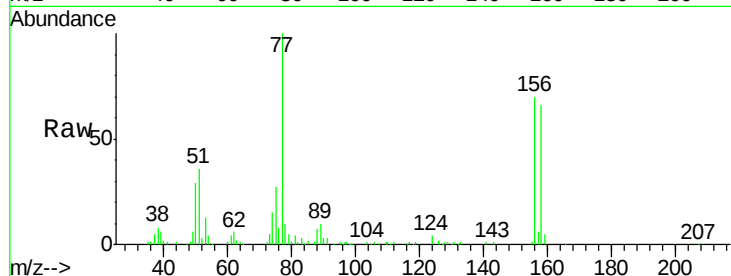
156 100

77 160.7 86.3 258.8

158 94.7 49.5 148.3

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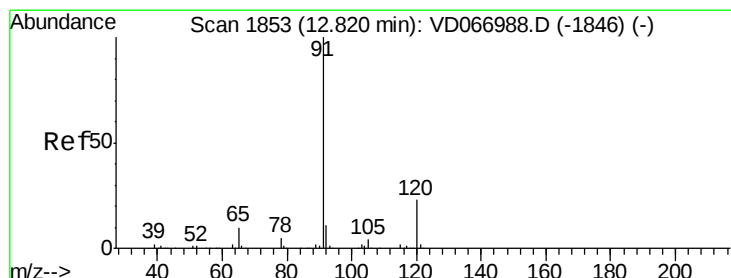
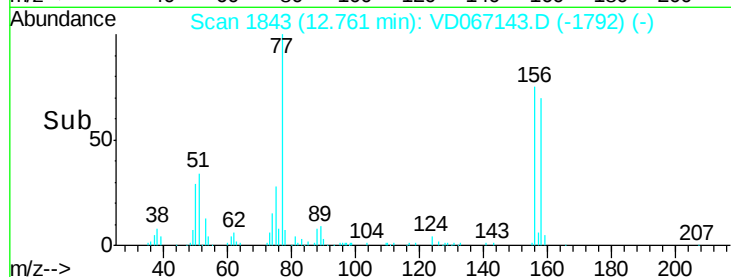
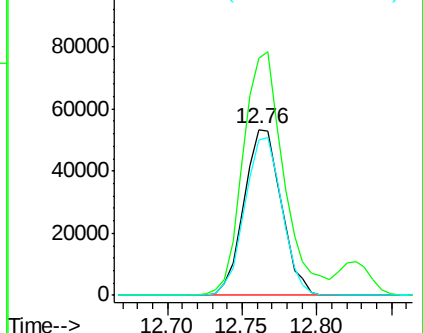
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.589 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067143.D

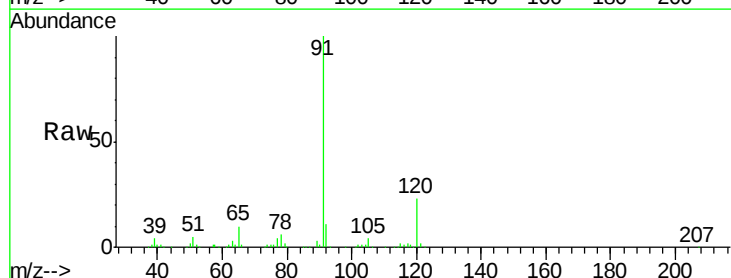
Acq: 07 Oct 2020 10:59

Tgt Ion: 91 Resp: 435264

Ion Ratio Lower Upper

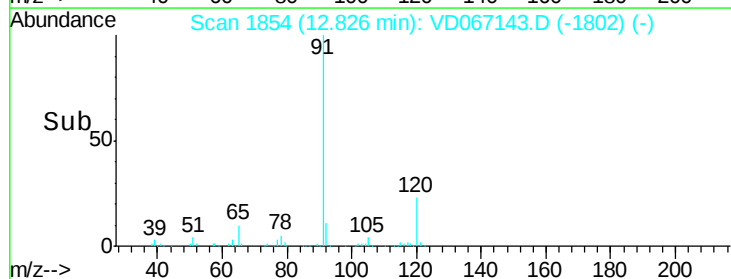
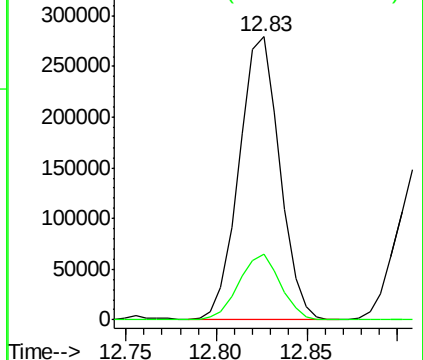
91 100

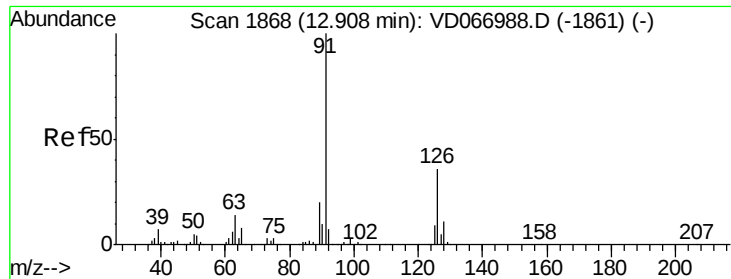
120 23.7 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





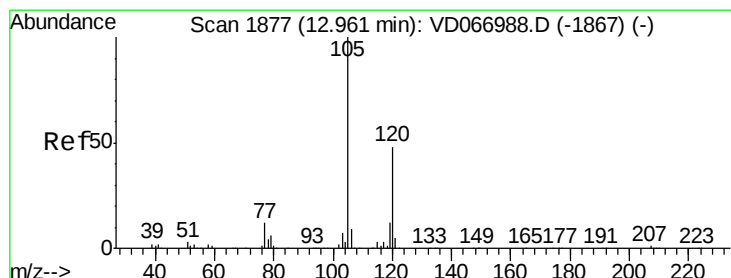
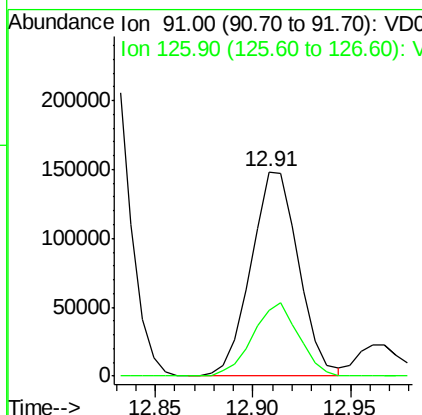
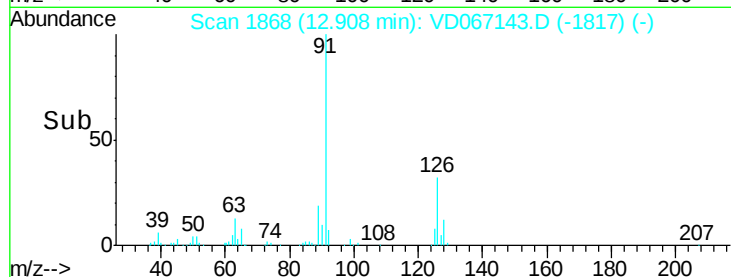
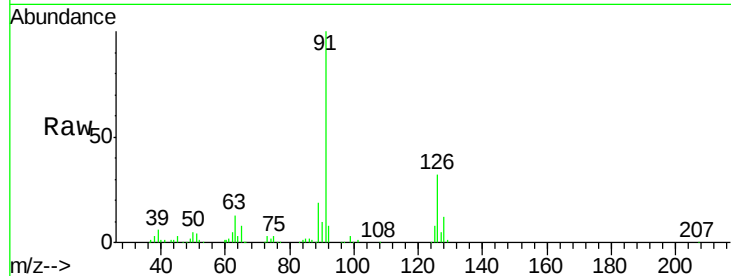
#79
2-Chlorotoluene
Concen: 20.715 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 91 Resp: 250559
Ion Ratio Lower Upper
91 100
126 34.7 17.5 52.6

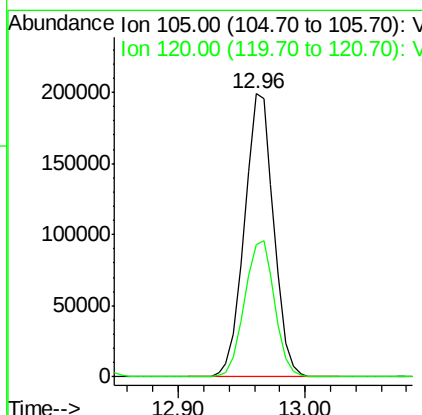
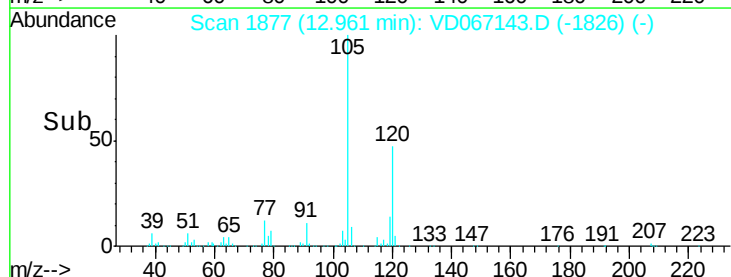
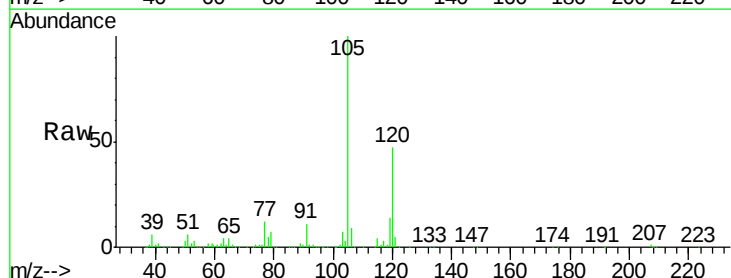
Manual Integrations
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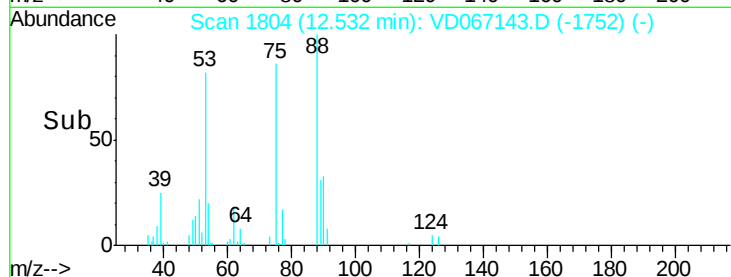
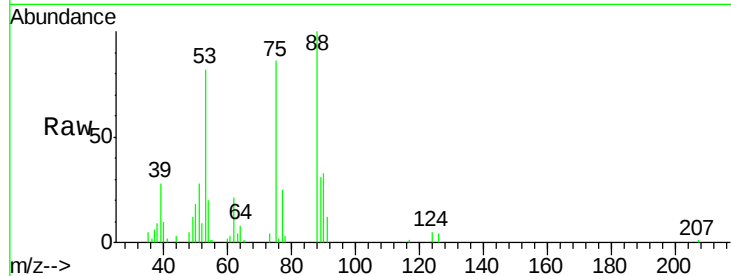
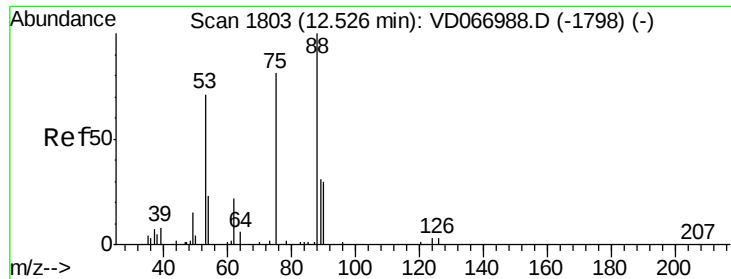
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.100 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion: 105 Resp: 318884
Ion Ratio Lower Upper
105 100
120 49.4 24.6 74.0





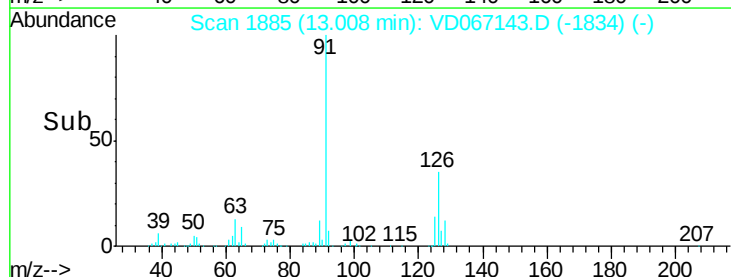
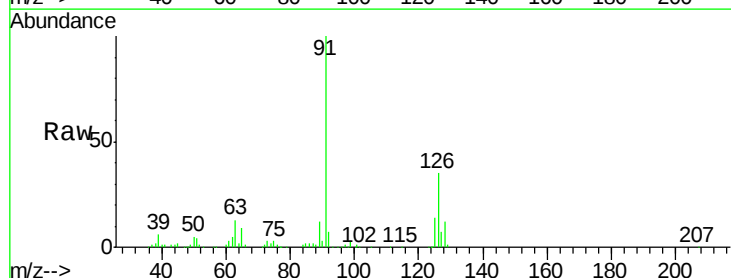
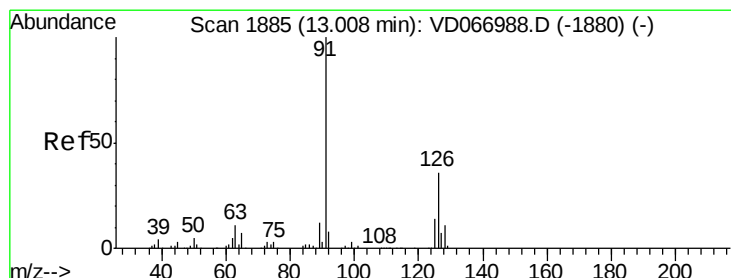
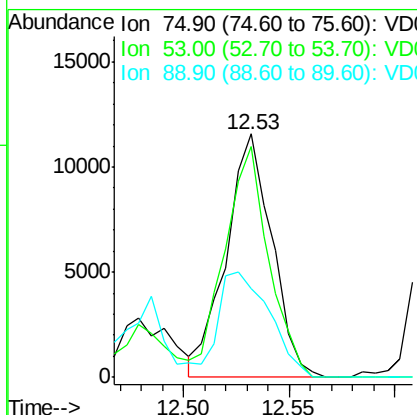
#81
trans-1,4-Dichloro-2-butene
Concen: 18.816 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	73.8	110.6
89	47.8	38.9	58.3

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

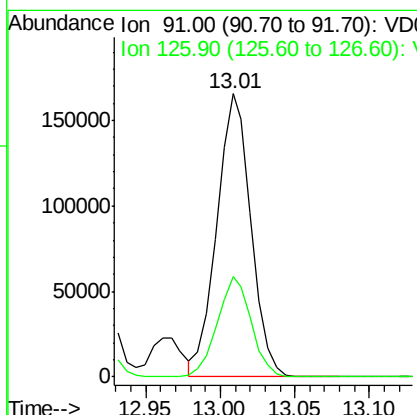
Manual Integrations
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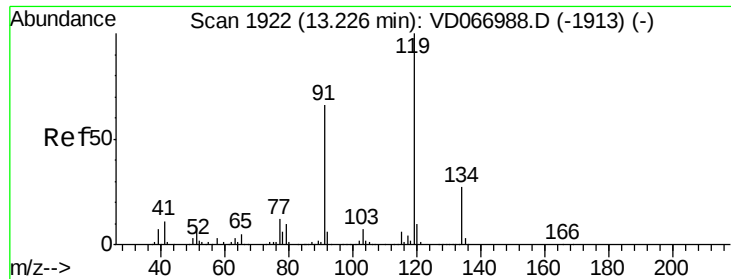
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#82
4-Chlorotoluene
Concen: 20.514 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





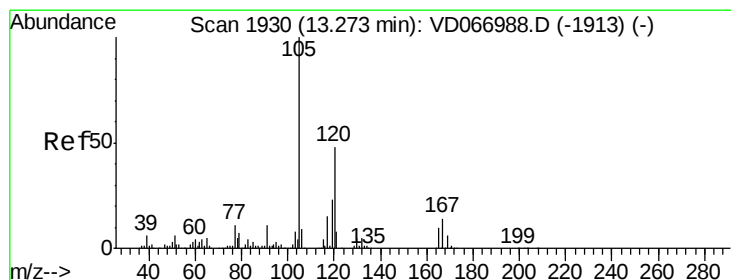
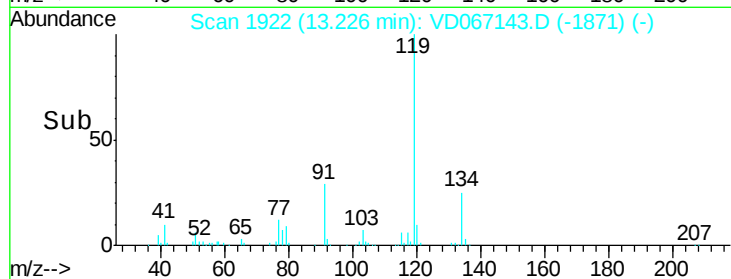
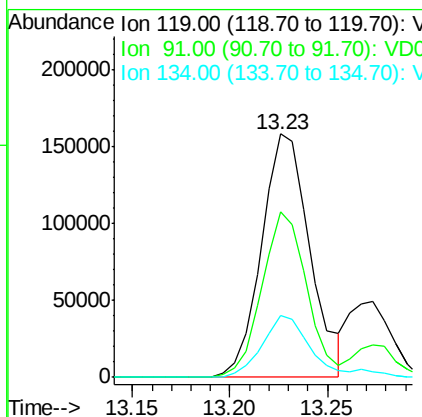
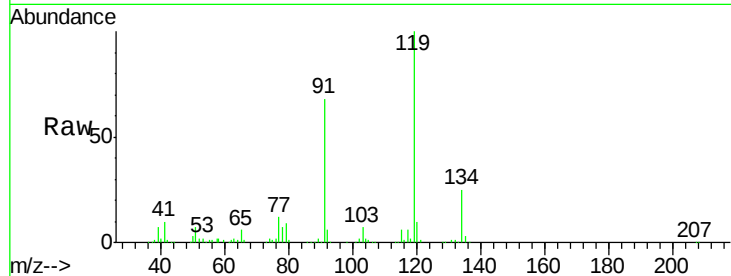
#83
tert-Butylbenzene
Concen: 21.350 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	271717		
91	62.9		32.8	98.3
134	24.5		13.9	41.7

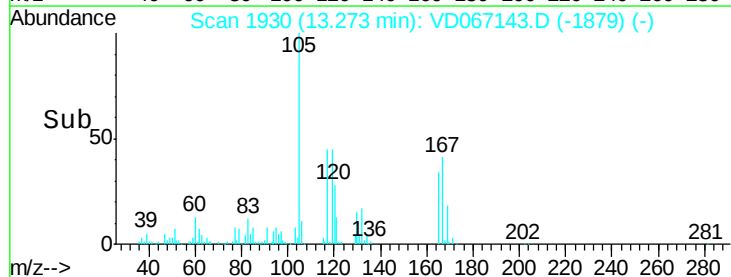
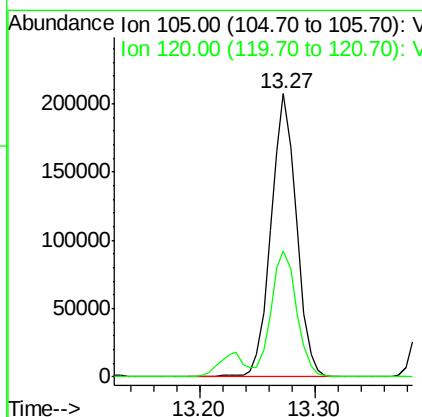
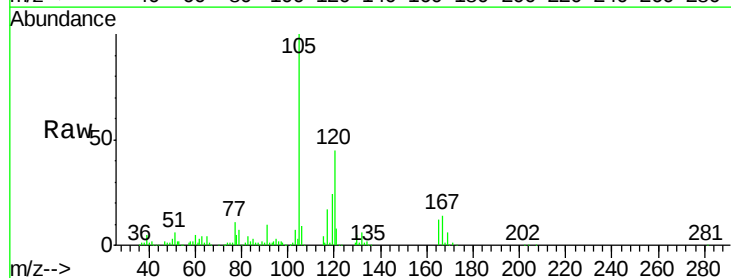
Manual Integrations
APPROVED

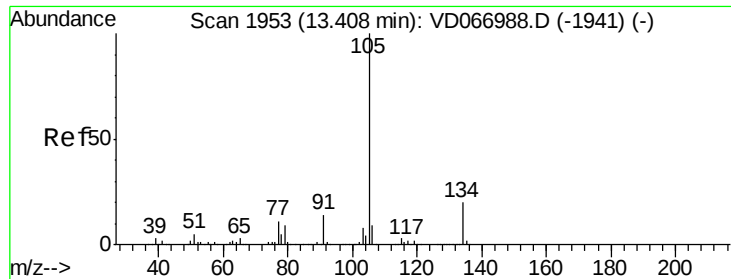
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.072 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	317811		
120	44.7		23.3	69.8





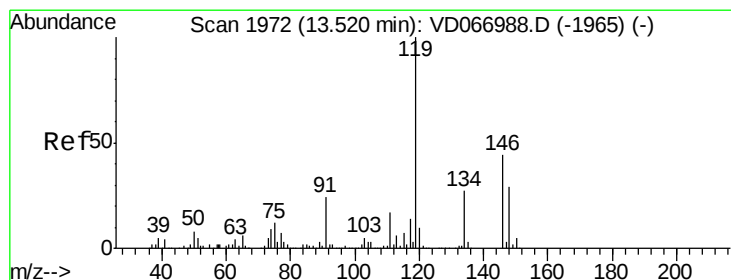
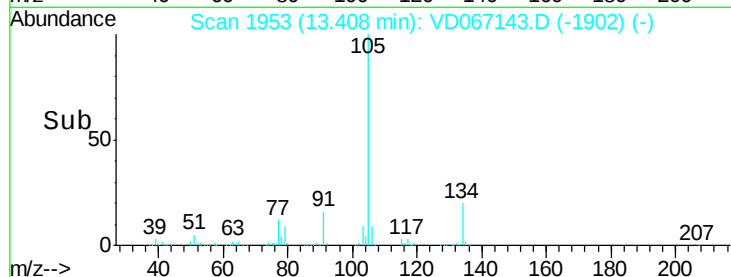
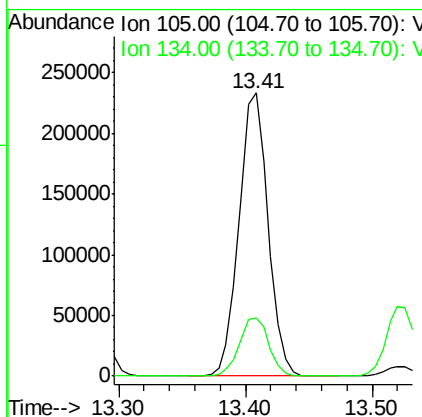
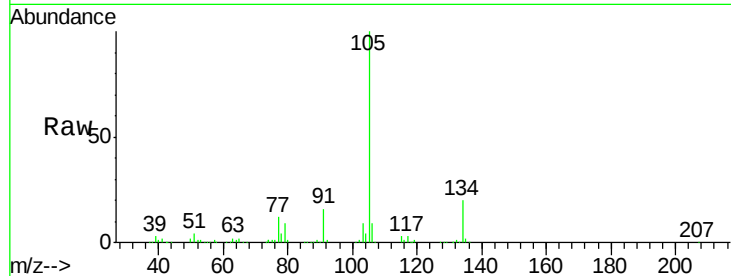
#85
 sec-Butylbenzene
 Concen: 20.637 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.8

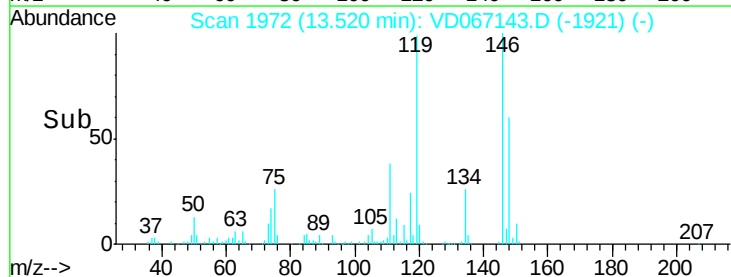
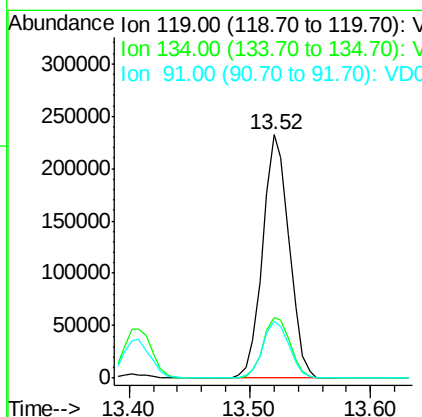
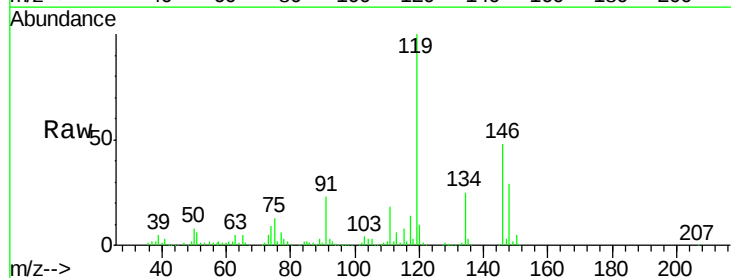
Manual Integrations
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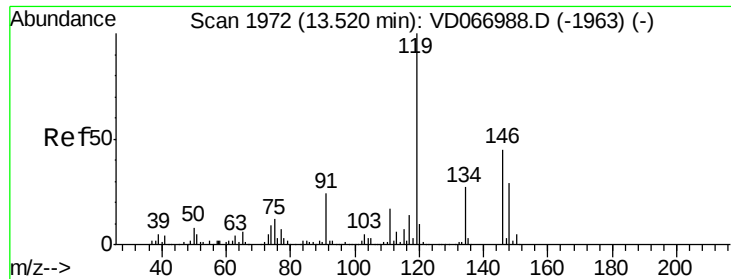
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#86
 p-Isopropyltoluene
 Concen: 21.180 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	23.2	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 20.978 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

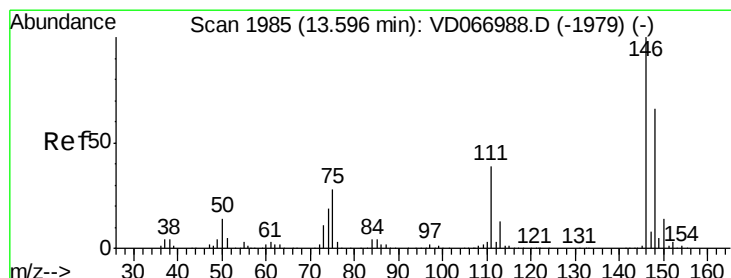
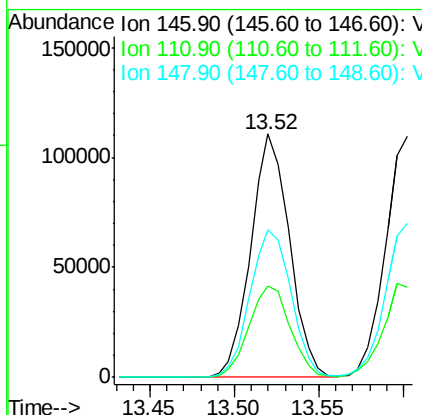
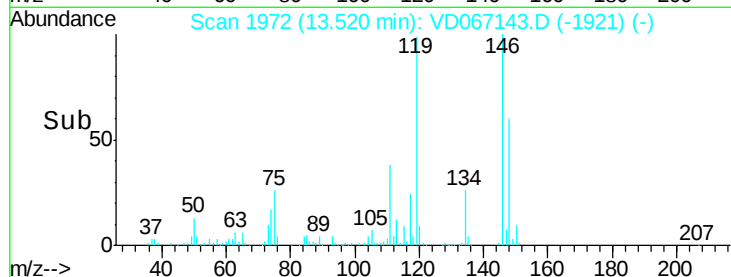
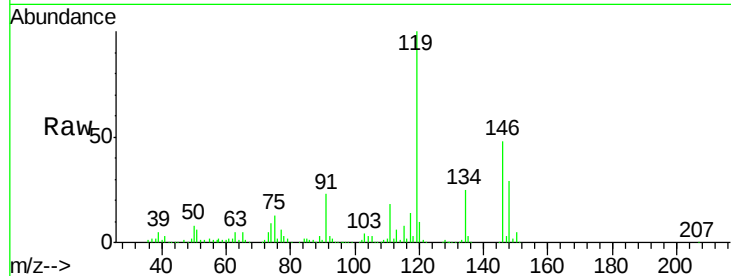
Instrument :
MSVOA_D

ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	176494		
111	40.0	20.0	60.0	
148	64.2	31.9	95.9	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.995 ug/l

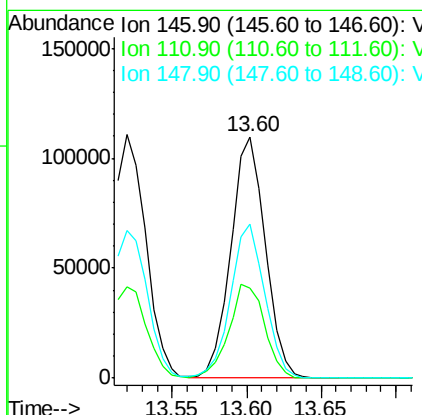
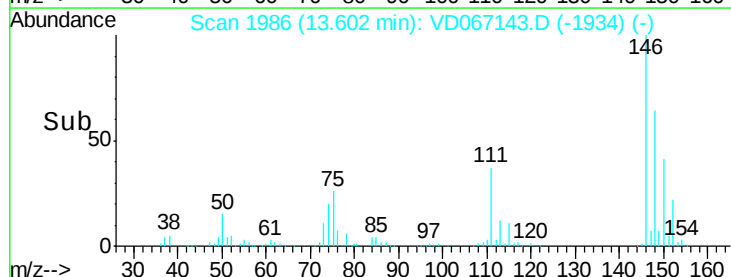
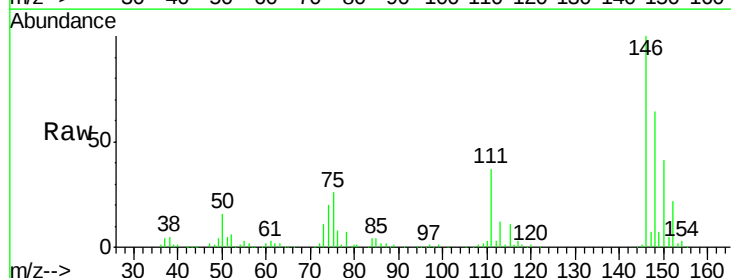
RT: 13.60 min Scan# 1986

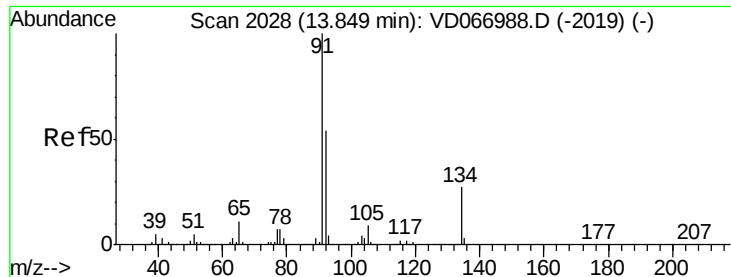
Delta R.T. 0.01 min

Lab File: VD067143.D

Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176620		
111	40.5	19.6	58.7	
148	63.3	32.6	97.7	





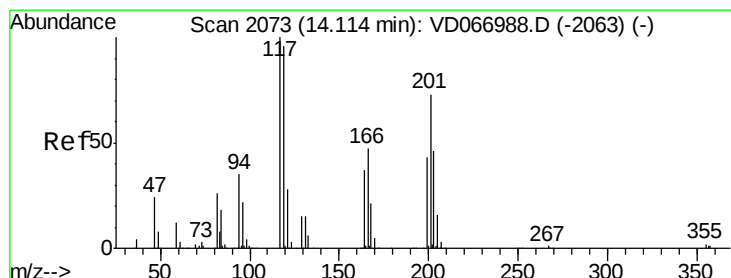
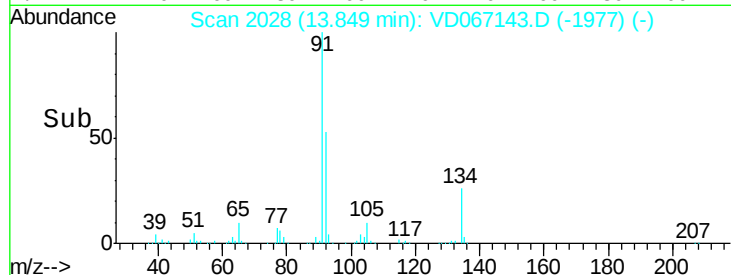
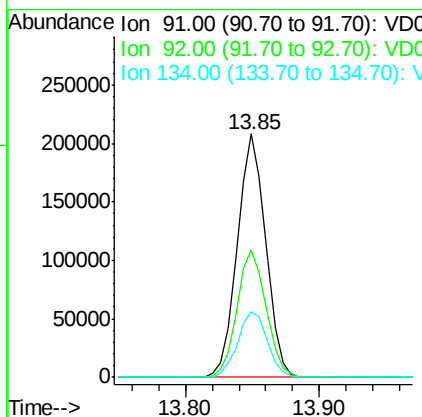
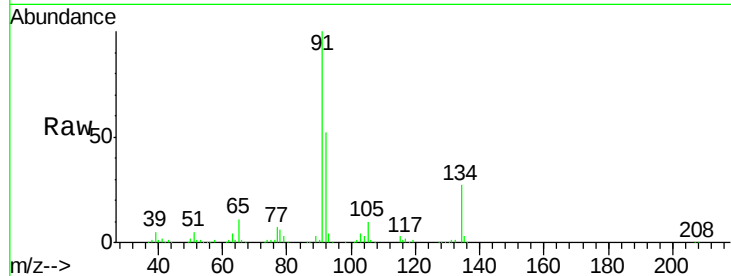
#89
n-Butylbenzene
Concen: 20.148 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.1	81.2
134	28.2	13.6	40.8

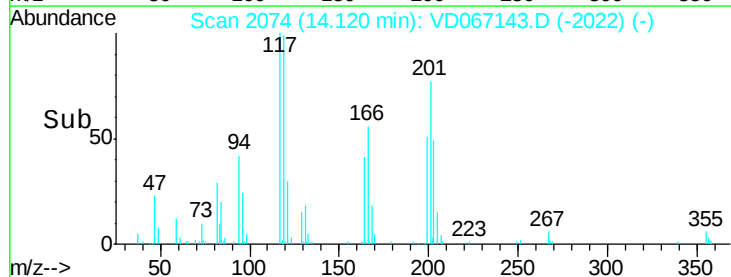
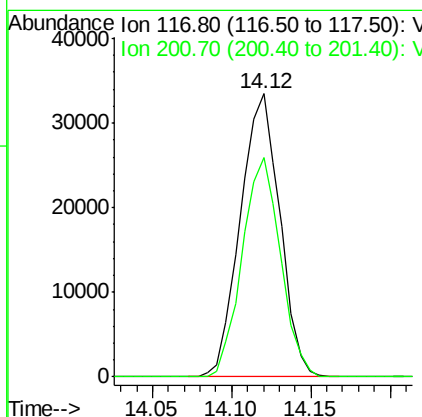
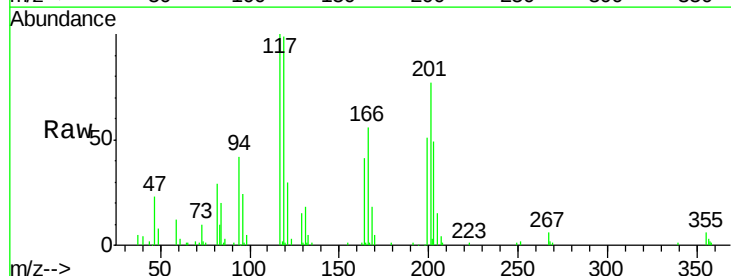
Manual Integrations
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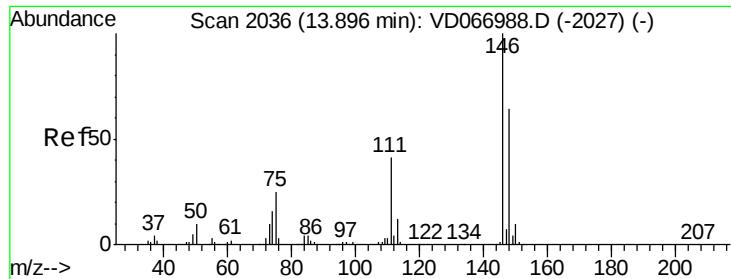
MMDadoda
10/8/2020 5:39:29 PM



#90
Hexachloroethane
Concen: 19.907 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.9	37.0	110.9





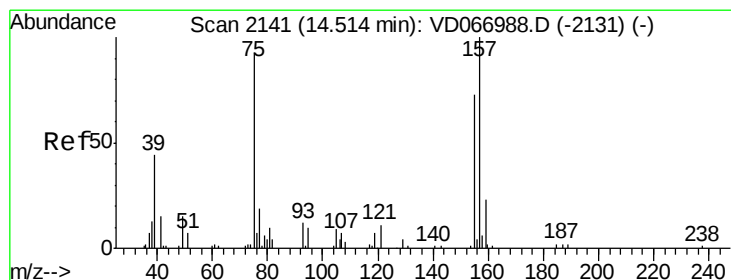
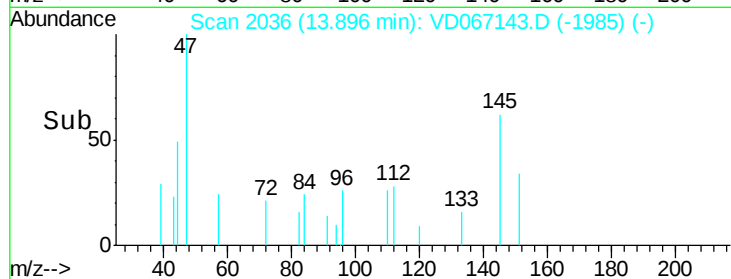
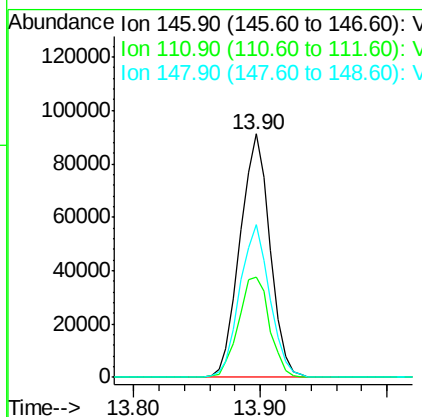
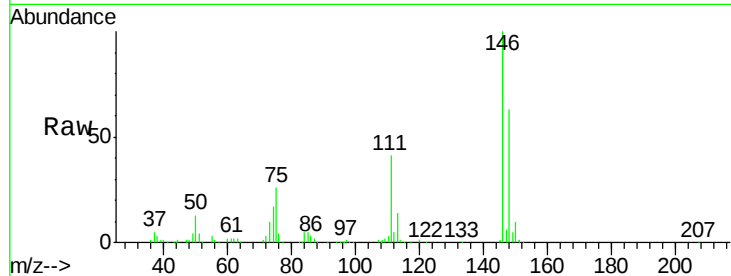
#91
 1,2-Dichlorobenzene
 Concen: 20.344 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.7
148	62.9	32.3	96.9

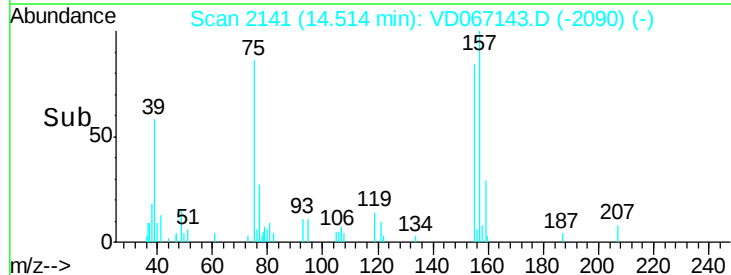
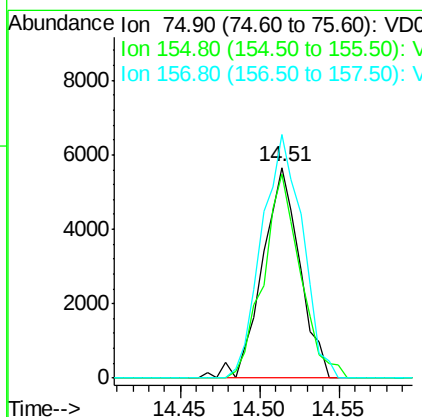
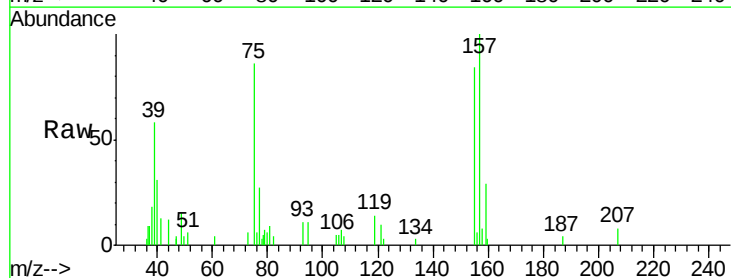
Manual Integrations
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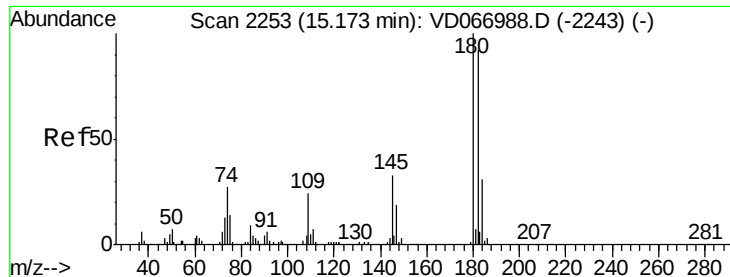
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.056 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	45.2	135.6
157	126.2	56.3	168.8





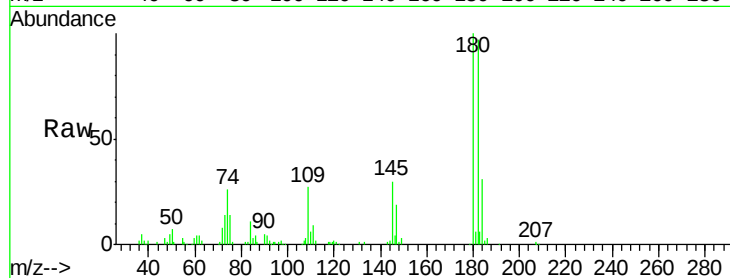
#93
 1,2,4-Trichlorobenzene
 Concen: 21.278 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	93.3	47.3	142.0
145	29.9	16.4	49.1

Manual Integrations
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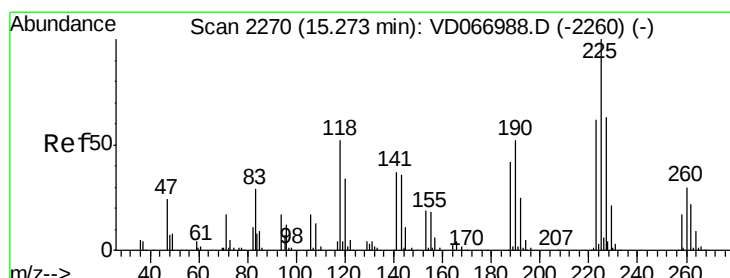
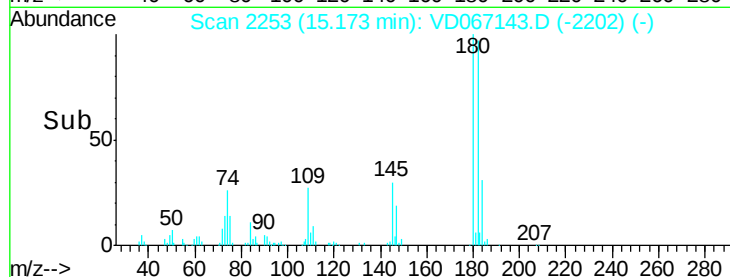
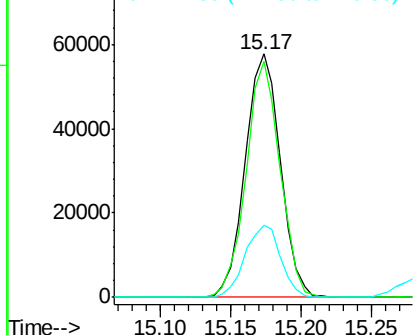


Abundance

Ion 179.80 (179.50 to 180.50): V

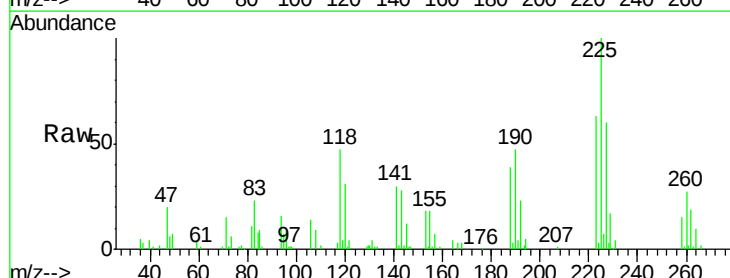
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.074 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067143.D
 Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	61.8	32.4	97.0
227	61.2	31.6	95.0

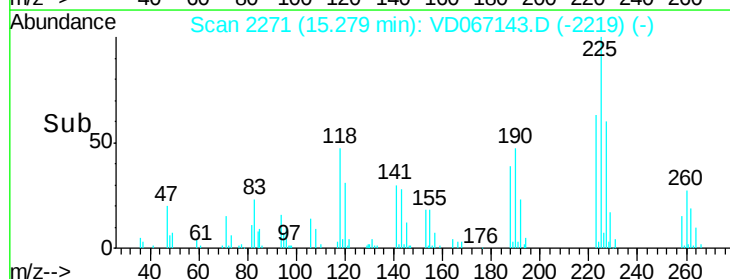
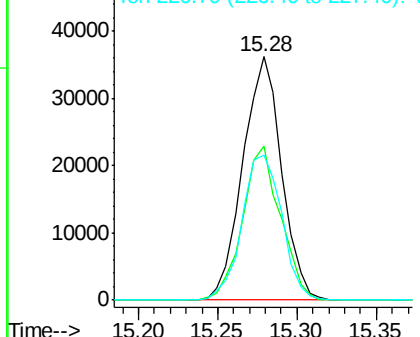


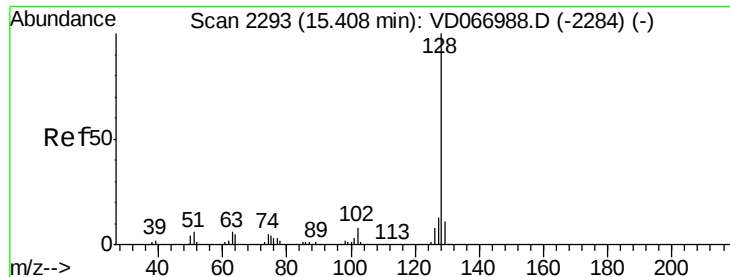
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





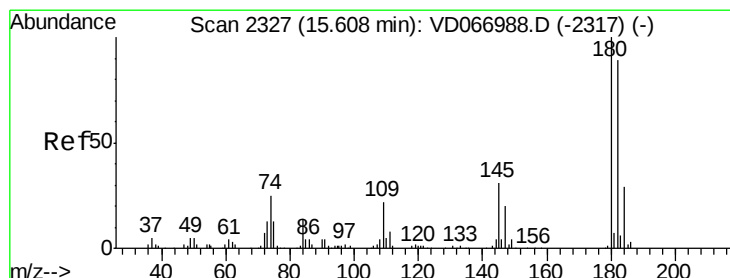
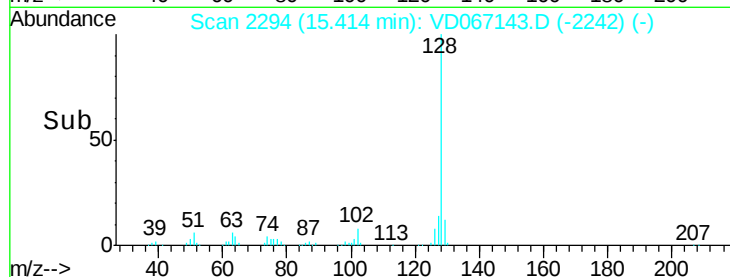
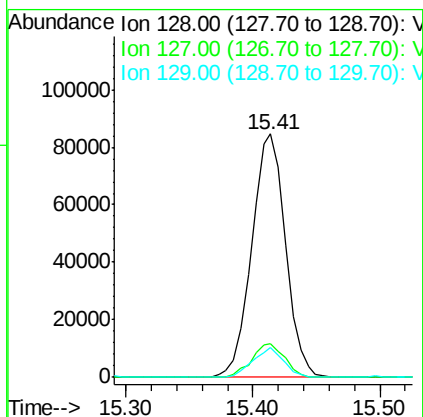
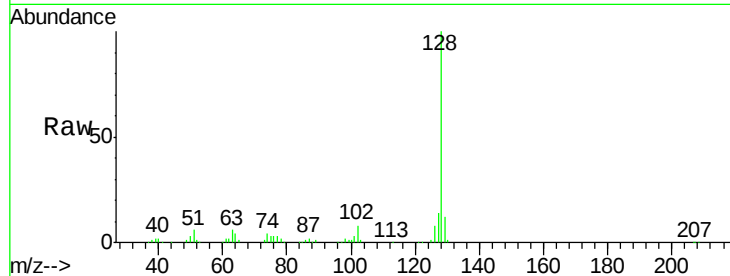
#95
Naphthalene
Concen: 19.740 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.877 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067143.D
Acq: 07 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.4	139.1
145	32.3	16.6	49.7

