

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067906.D
 Acq On : 08 Dec 2020 10:59
 Operator : VA/SY
 Sample : VD1208SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:29:00 AM

Quant Time: Dec 09 04:34:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	212998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	306969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	271033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	105370	46.08	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.16%
35) Dibromofluoromethane	7.91	113	92808	45.18	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.36%
50) Toluene-d8	10.34	98	353309	47.78	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.56%
62) 4-Bromofluorobenzene	12.64	95	122094	47.76	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	33073	17.842	ug/l	100
3) Chloromethane	2.21	50	20618	19.273	ug/l	94
4) Vinyl Chloride	2.35	62	26255	19.487	ug/l	100
5) Bromomethane	2.77	94	28301	23.530	ug/l	96
6) Chloroethane	2.93	64	17834	20.330	ug/l	92
7) Trichlorofluoromethane	3.28	101	81293	19.718	ug/l	99
8) Diethyl Ether	3.70	74	14214	17.689	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	37731	20.070	ug/l	100
10) Methyl Iodide	4.30	142	32800	16.460	ug/l	96
11) Tert butyl alcohol	5.21	59	12246	60.711	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	34427	19.505	ug/l	87
13) Acrolein	3.93	56	6085	69.249	ug/l	88
14) Allyl chloride	4.71	41	31752	19.446	ug/l	98
15) Acrylonitrile	5.41	53	23824	85.505	ug/l	97
16) Acetone	4.16	43	23149	81.927	ug/l	91
17) Carbon Disulfide	4.41	76	90957	18.458	ug/l	97
18) Methyl Acetate	4.72	43	9319	17.095	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	72915	19.293	ug/l	99
20) Methylene Chloride	4.96	84	41870	20.448	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	39183	19.509	ug/l	98
22) Diisopropyl ether	6.36	45	62007	18.881	ug/l	94
23) Vinyl Acetate	6.31	43	170502	93.326	ug/l	96
24) 1,1-Dichloroethane	6.27	63	57878	20.105	ug/l	100
25) 2-Butanone	7.21	43	25372	85.372	ug/l	97
26) 2,2-Dichloropropane	7.21	77	71878	20.938	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	42423	19.311	ug/l	96
28) Bromochloromethane	7.55	49	15289	16.728	ug/l	96
29) Tetrahydrofuran	7.57	42	15895	93.932	ug/l	96
30) Chloroform	7.71	83	76592	19.909	ug/l	96
31) Cyclohexane	7.98	56	44271	18.377	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	83727	20.617	ug/l	99
36) 1,1-Dichloropropene	8.11	75	54055	20.341	ug/l	99
37) Ethyl Acetate	7.30	43	12236	17.084	ug/l #	88
38) Carbon Tetrachloride	8.10	117	83624	20.798	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	60809	19.310	ug/l	95
40) Benzene	8.35	78	140546	19.329	ug/l	95
41) Methacrylonitrile	7.52	41	6144	14.924	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	51263	19.781	ug/l	99
43) Isopropyl Acetate	8.46	43	24440	17.343	ug/l	95
44) Trichloroethene	9.11	130	51017	20.407	ug/l	90
45) 1,2-Dichloropropane	9.39	63	26220	17.569	ug/l #	82
46) Dibromomethane	9.48	93	20252	19.517	ug/l	97
47) Bromodichloromethane	9.67	83	56131	18.975	ug/l	92
48) Methyl methacrylate	9.46	41	12788	17.871	ug/l	94
49) 1,4-Dioxane	9.47	88	3602	303.796	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	56703	85.016	ug/l	99
52) Toluene	10.41	92	99207	19.514	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	46645	18.269	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	52974	19.074	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	25678	18.083	ug/l	98
56) Ethyl methacrylate	10.66	69	24774	17.147	ug/l	98
57) 1,3-Dichloropropane	10.95	76	40137	17.844	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	51809	78.805	ug/l	94
59) 2-Hexanone	10.99	43	39235	83.447	ug/l	99
60) Dibromochloromethane	11.14	129	41681	19.472	ug/l	97
61) 1,2-Dibromoethane	11.25	107	26620	19.063	ug/l	93
64) Tetrachloroethene	10.88	164	44442	20.102	ug/l	96
65) Chlorobenzene	11.67	112	114696	20.509	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	46463	20.370	ug/l	98
67) Ethyl Benzene	11.75	91	201779	21.180	ug/l	98
68) m/p-Xylenes	11.86	106	159318	42.411	ug/l	99
69) o-Xylene	12.18	106	70375	21.103	ug/l	99
70) Styrene	12.20	104	122855	21.186	ug/l	100
71) Bromoform	12.37	173	22919	18.982	ug/l #	97
73) Isopropylbenzene	12.48	105	206297	20.809	ug/l	98
74) N-amyl acetate	12.29	43	22178	18.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	24213	18.500	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	19983m	19.035	ug/l	
77) Bromobenzene	12.77	156	51825	21.028	ug/l	97
78) n-propylbenzene	12.83	91	227269	20.684	ug/l	99
79) 2-Chlorotoluene	12.91	91	135107	20.901	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	177504	20.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7796	17.764	ug/l	99
82) 4-Chlorotoluene	13.01	91	140976	20.445	ug/l	100
83) tert-Butylbenzene	13.23	119	156796	21.467	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	177862	20.839	ug/l	99
85) sec-Butylbenzene	13.41	105	199290	20.443	ug/l	99
86) p-Isopropyltoluene	13.52	119	198093	20.733	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	93538	19.675	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	95066	19.988	ug/l	99
89) n-Butylbenzene	13.85	91	161319	20.323	ug/l	99
90) Hexachloroethane	14.11	117	34757	19.704	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	81128	19.675	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5396	19.754	ug/l	80

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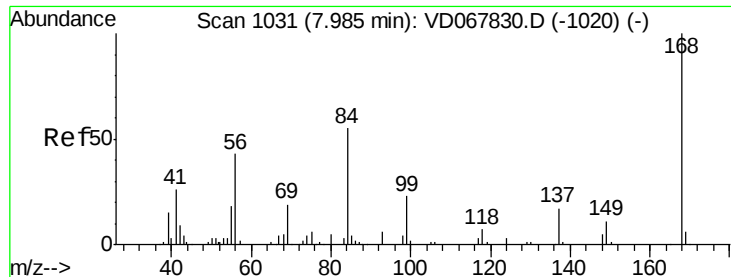
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58955	20.440	ug/l	98
94) Hexachlorobutadiene	15.27	225	37307	19.822	ug/l	98
95) Naphthalene	15.41	128	88172	18.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	48830	19.604	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. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion:168 Resp: 212998

Ion Ratio Lower Upper

168 100

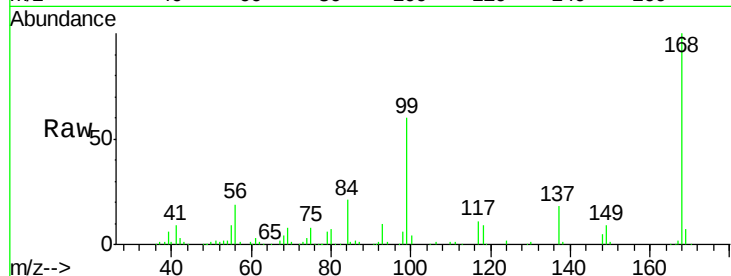
99 59.5 47.1 70.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

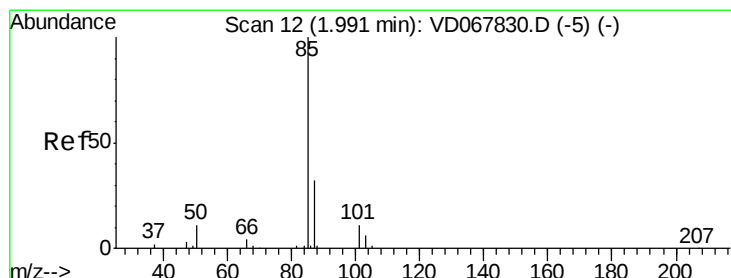
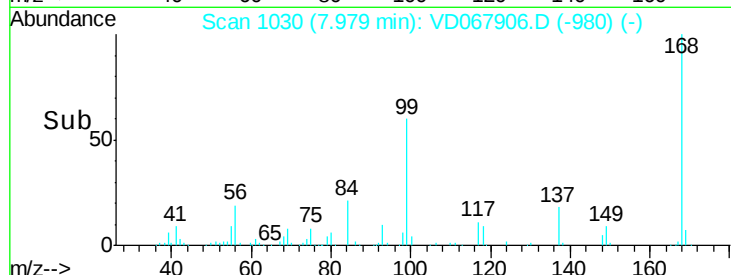
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.842 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067906.D

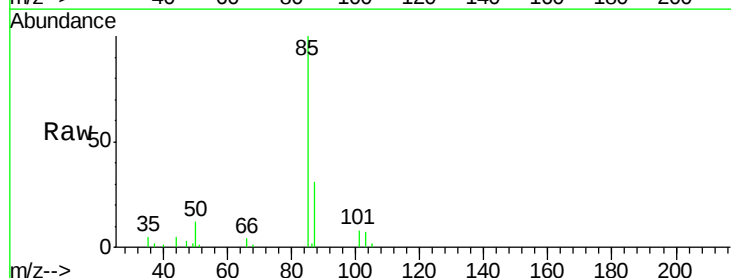
Acq: 08 Dec 2020 10:59

Tgt Ion: 85 Resp: 33073

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

15000

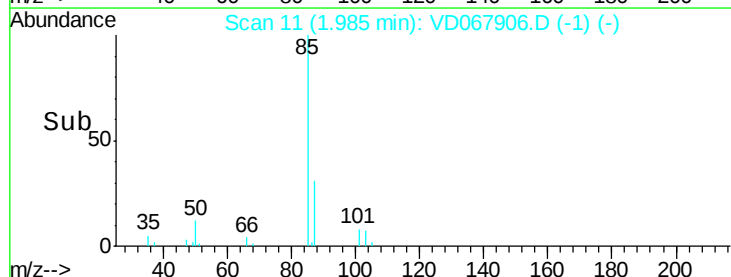
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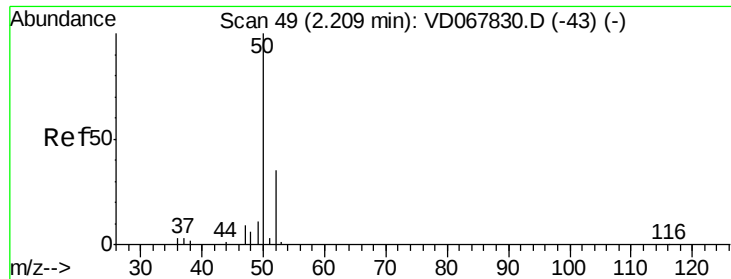
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.273 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 50 Resp: 20618

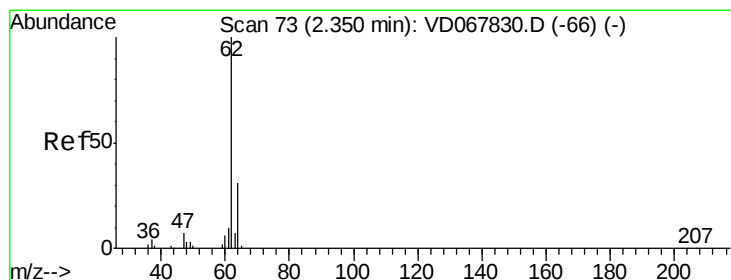
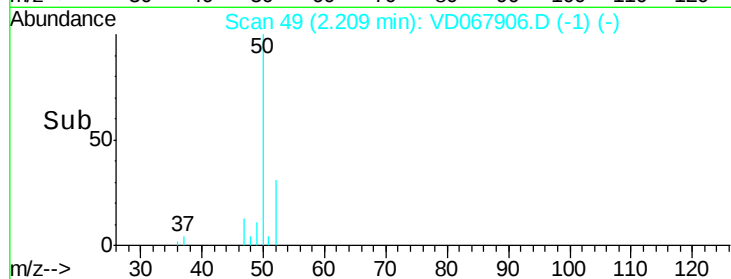
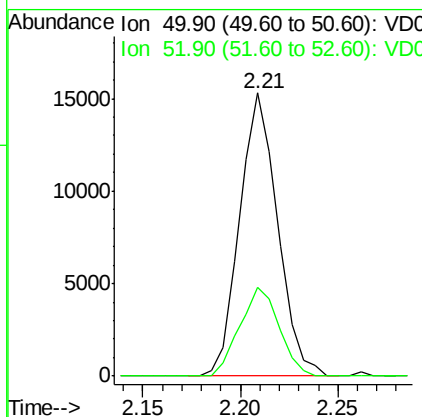
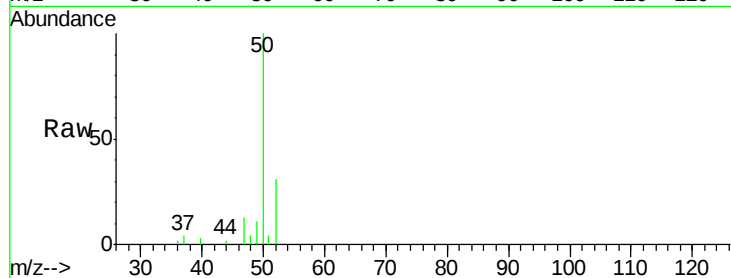
Ion Ratio Lower Upper

50 100

52 31.3 27.8 41.6

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#4

Vinyl Chloride

Concen: 19.487 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067906.D

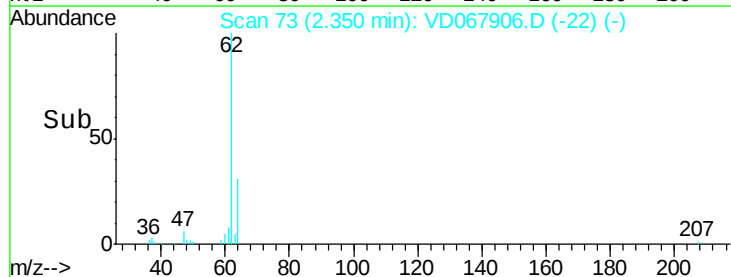
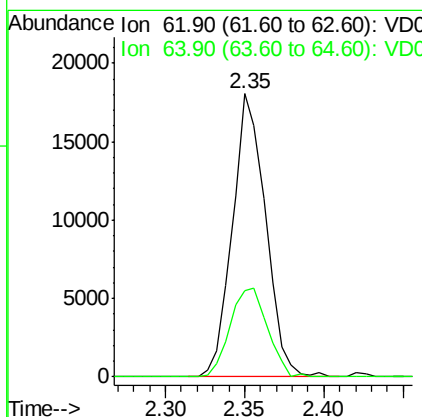
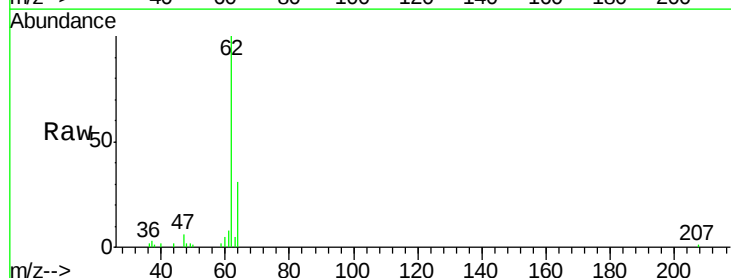
Acq: 08 Dec 2020 10:59

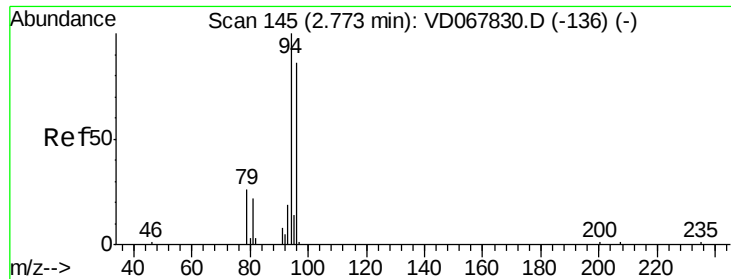
Tgt Ion: 62 Resp: 26255

Ion Ratio Lower Upper

62 100

64 30.6 24.5 36.7





#5

Bromomethane

Concen: 23.530 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

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ClientSampleId :

VD1208SBS01

Tot Ion: 94 Resp: 28301

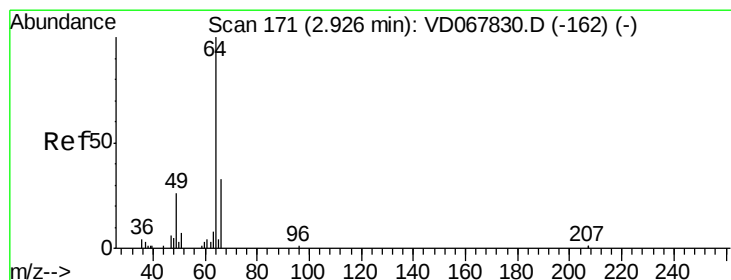
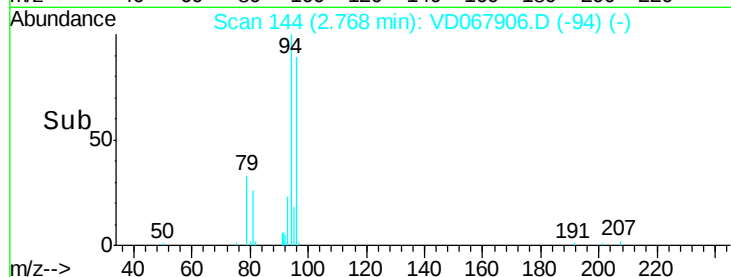
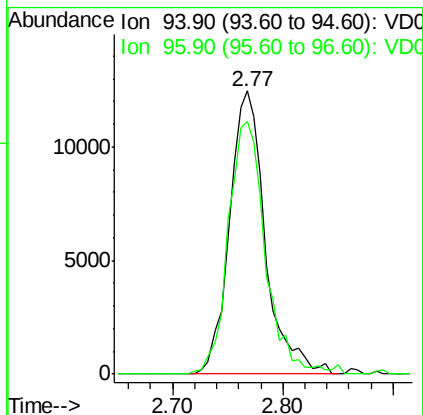
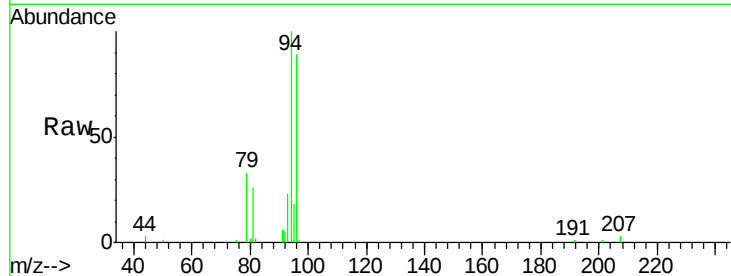
Ion Ratio Lower Upper

94 100

96 89.4 68.7 103.1

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#6

Chloroethane

Concen: 20.330 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067906.D

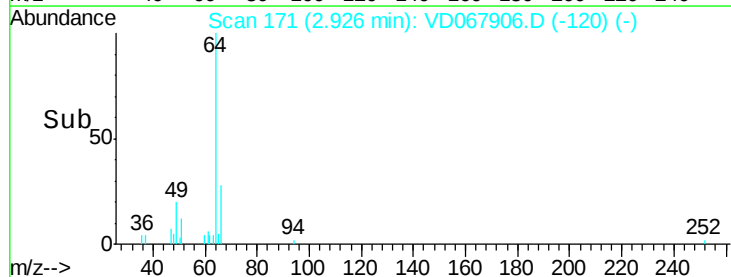
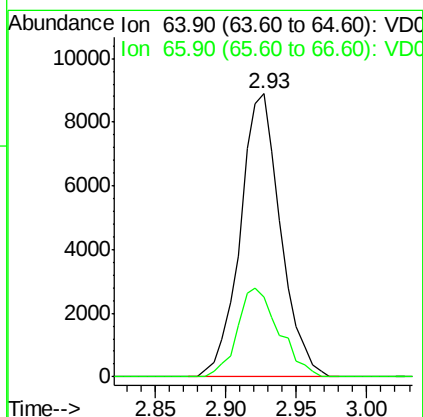
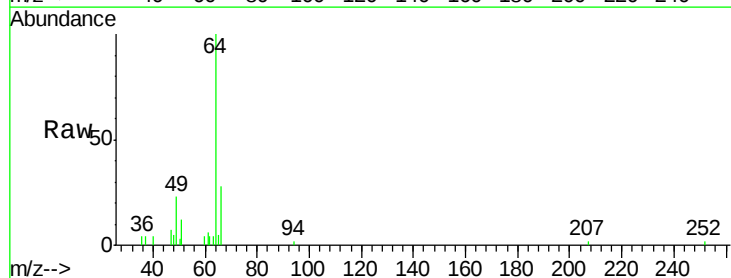
Acq: 08 Dec 2020 10:59

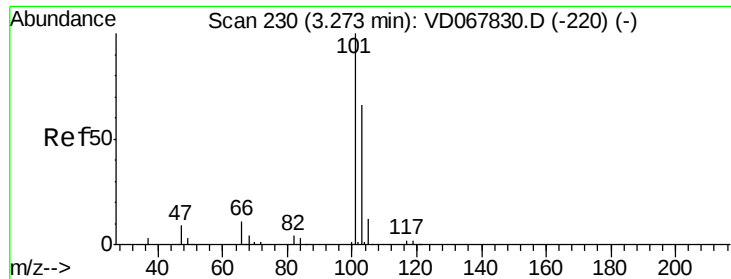
Tgt Ion: 64 Resp: 17834

Ion Ratio Lower Upper

64 100

66 28.2 26.1 39.1





#7

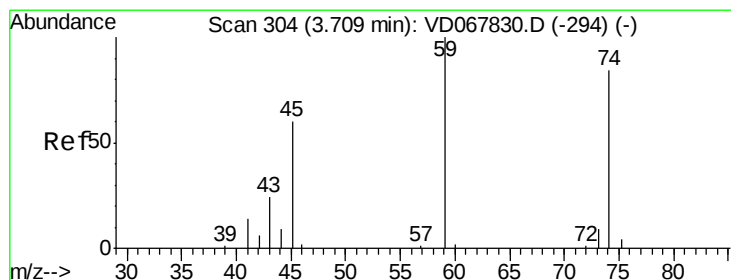
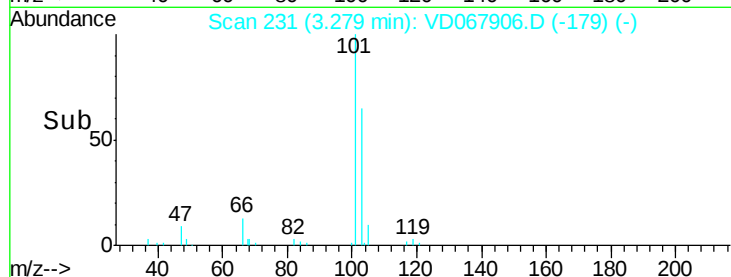
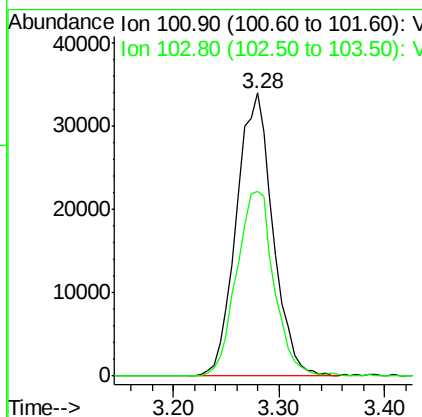
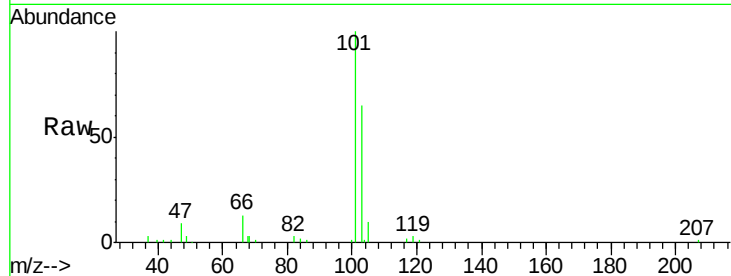
Trichlorofluoromethane
 Concen: 19.718 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
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 ClientSampleId :
 VD1208SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.0	79.6

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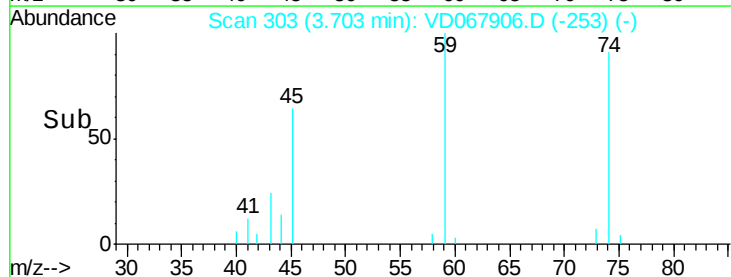
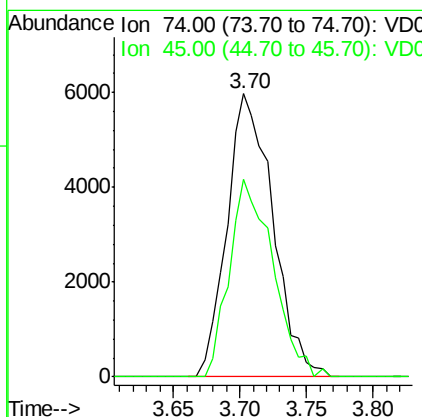
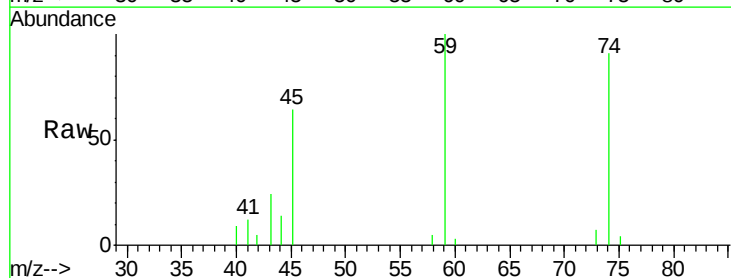
MMDadoda
 12/9/2020 9:29:00 AM

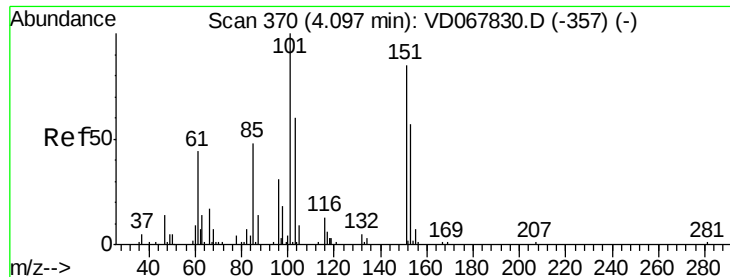


#8

Diethyl Ether
 Concen: 17.689 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	66.6	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.070 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

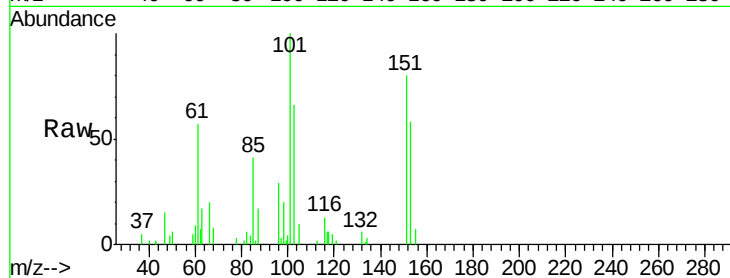
ClientSampleId :

VD1208SBS01

Tot Ion:	101	Resp:	37731
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.2	54.4
151	86.4	69.4	104.2

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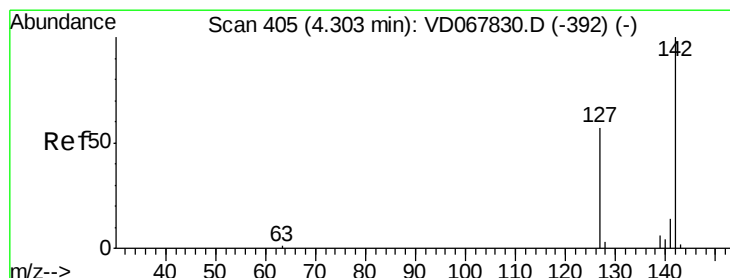
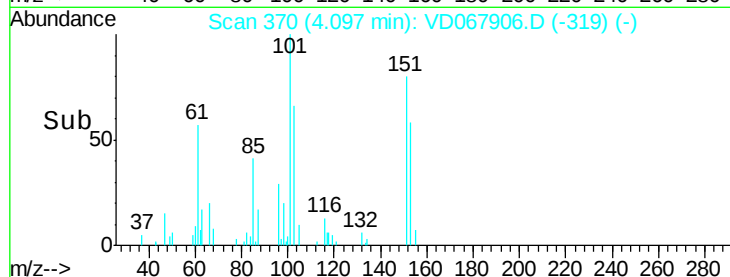
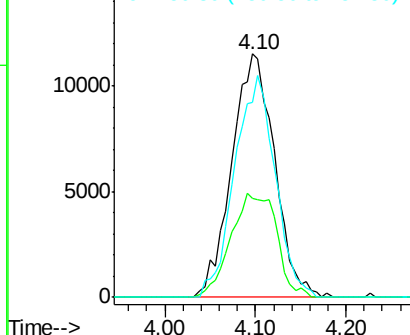


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.460 ug/l

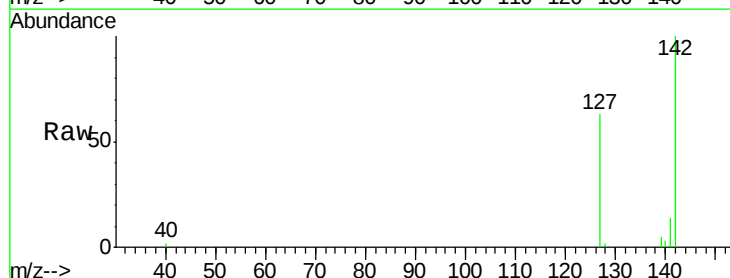
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Tgt Ion:	142	Resp:	32800
Ion Ratio	Lower	Upper	
142	100		
127	58.6	43.9	65.9
141	15.0	12.2	18.2

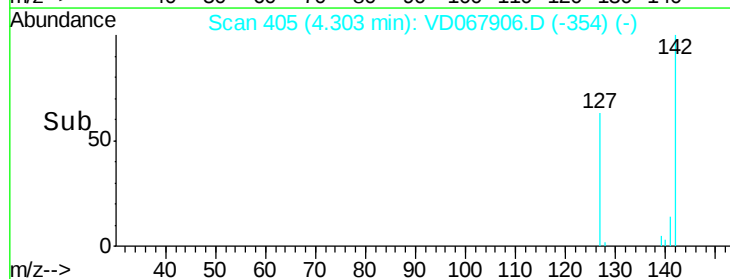
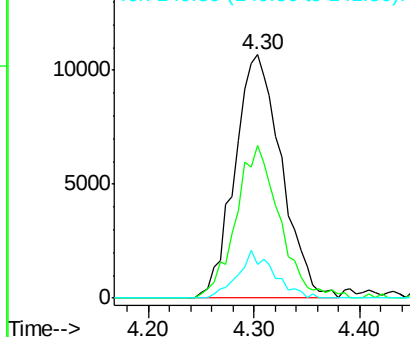


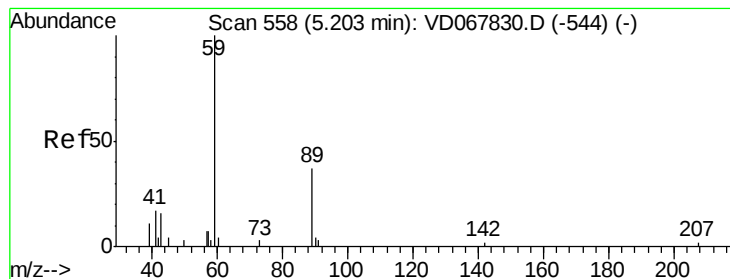
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

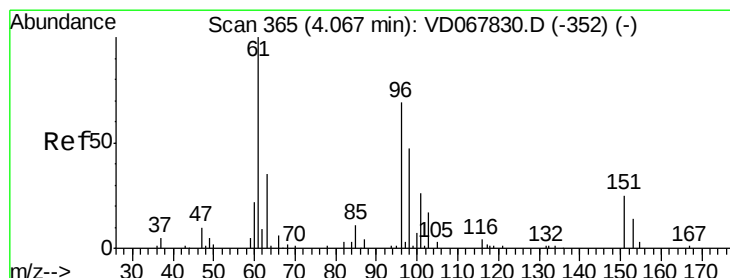
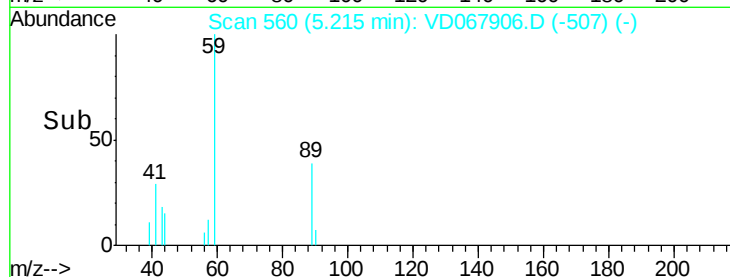
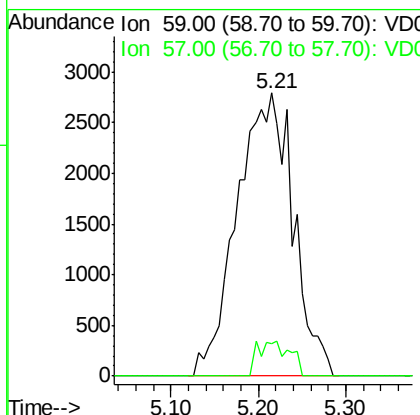
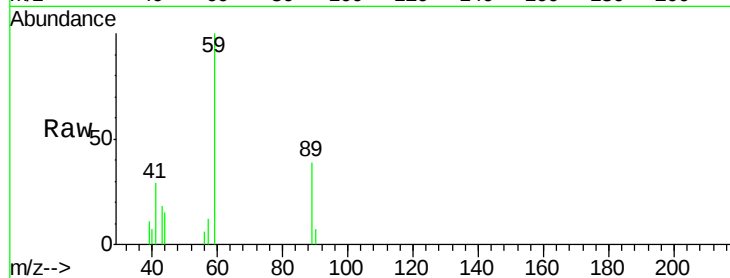
Tert butyl alcohol
Concen: 60.711 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.1	7.7	11.5#

Manual Integrations
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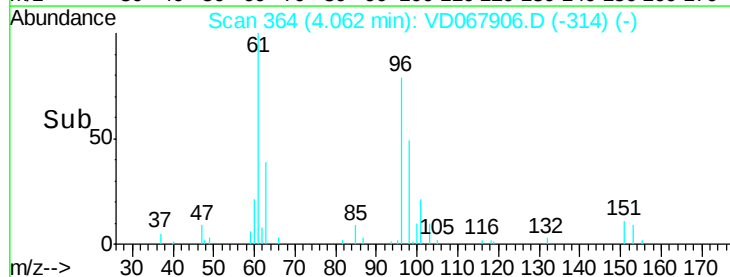
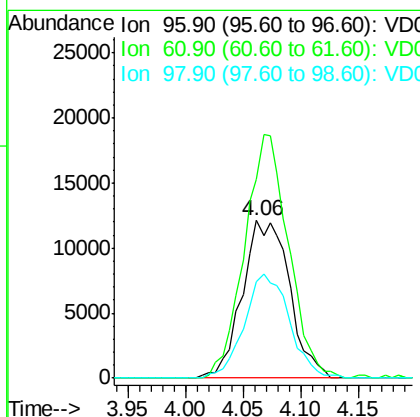
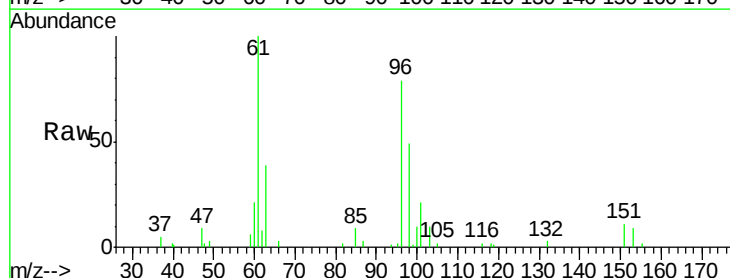
MMDadoda
12/9/2020 9:29:00 AM

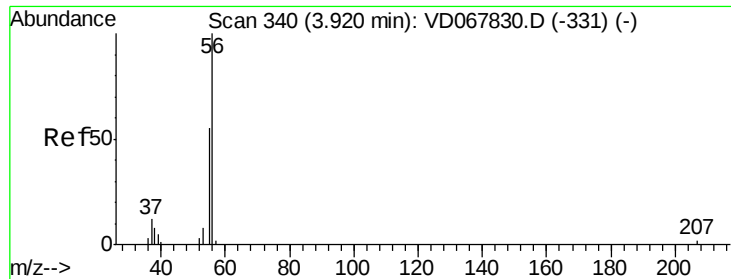


#12

1,1-Dichloroethene
Concen: 19.505 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.8	116.1	174.1
98	61.3	54.6	82.0





#13

Acrolein

Concen: 69.249 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 56 Resp: 6085

Ion Ratio Lower Upper

56 100

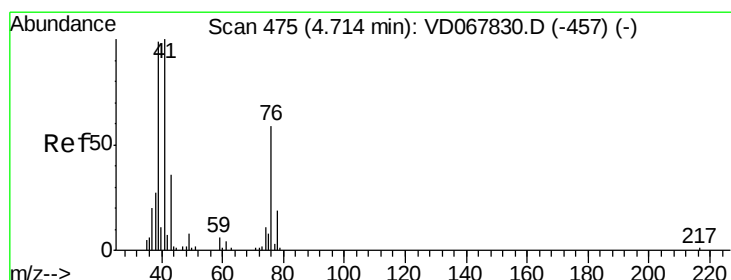
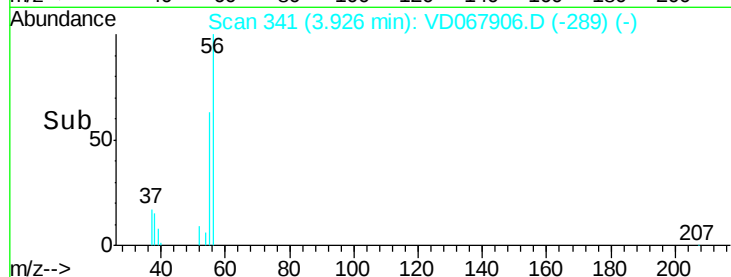
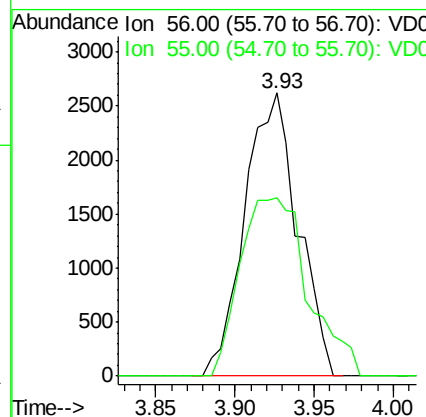
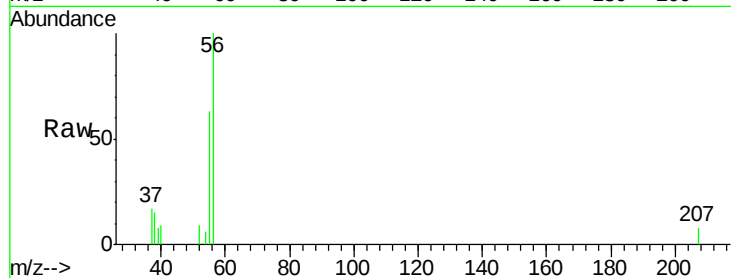
55 80.8 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 19.446 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

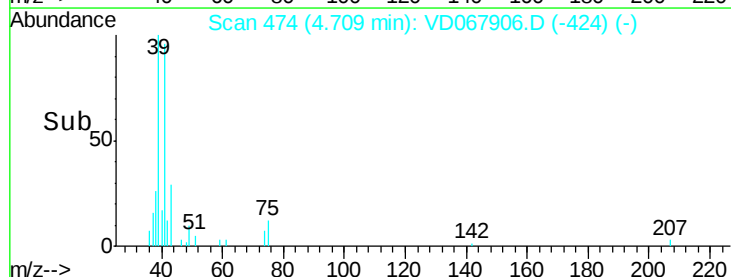
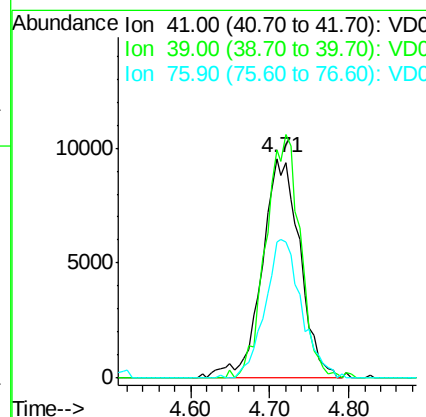
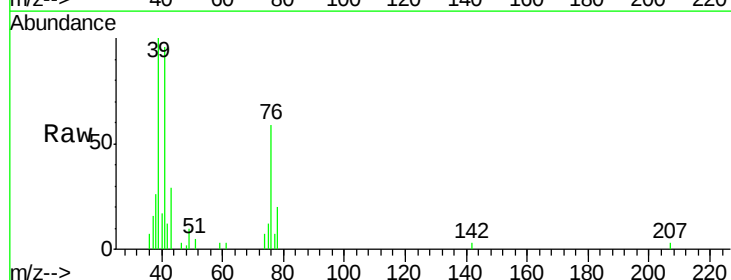
Tgt Ion: 41 Resp: 31752

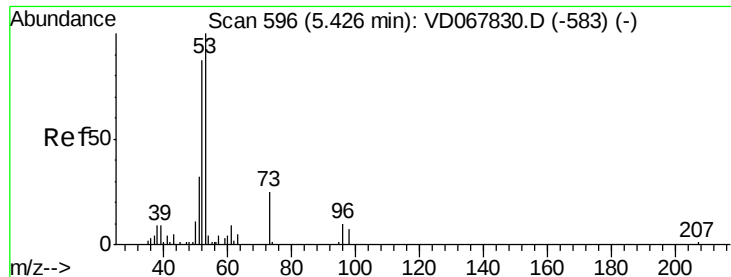
Ion Ratio Lower Upper

41 100

39 100.5 79.0 118.6

76 60.5 46.6 70.0





#15

Acrylonitrile

Concen: 85.505 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

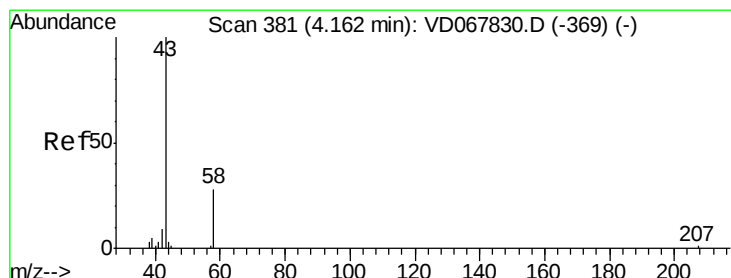
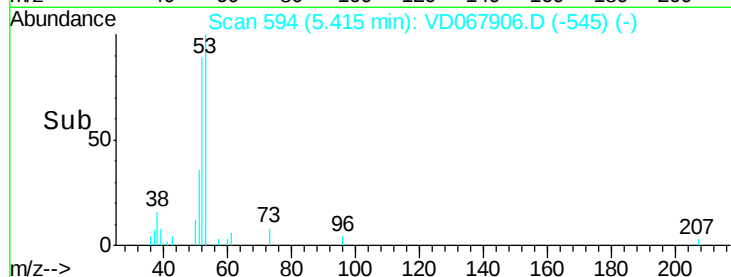
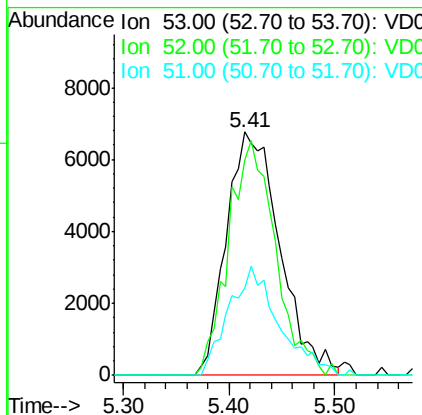
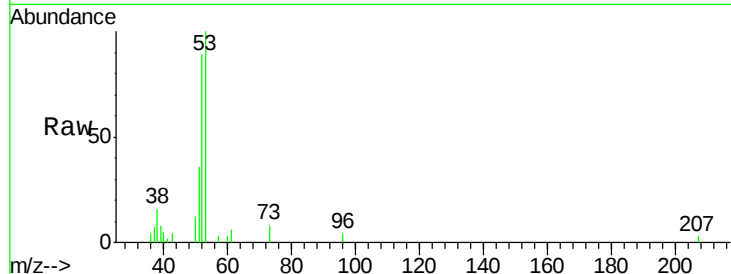
ClientSampleId :

VD1208SBS01

Tot Ion:	53	Resp:	23824
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.2	99.2
51	42.1	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 81.927 ug/l

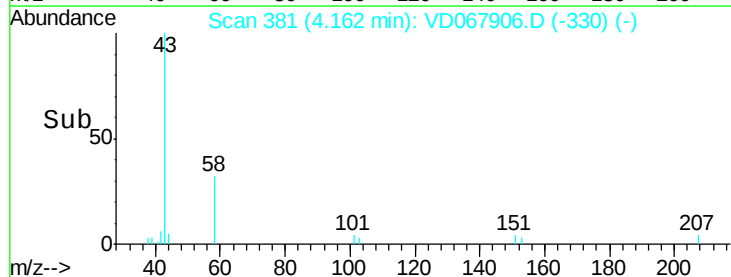
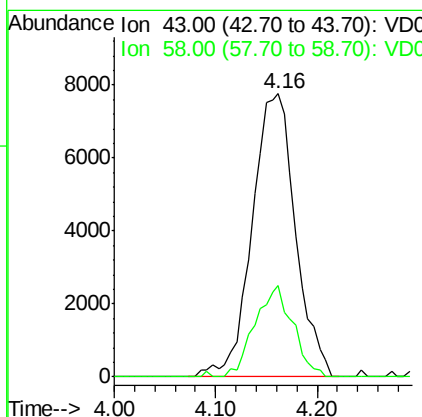
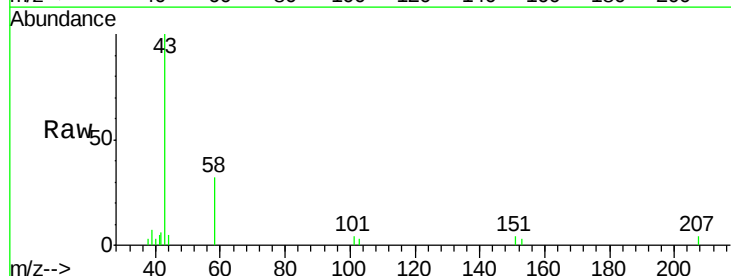
RT: 4.16 min Scan# 381

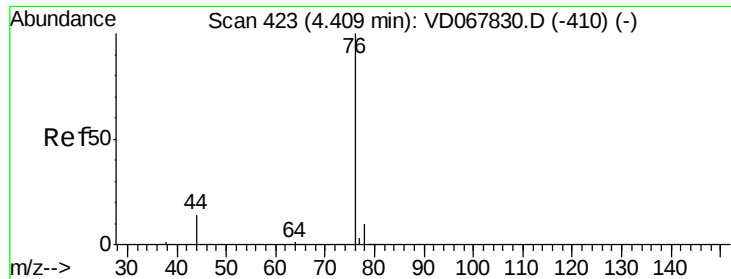
Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Tgt Ion:	43	Resp:	23149
Ion	Ratio	Lower	Upper
43	100		
58	32.1	21.9	32.9





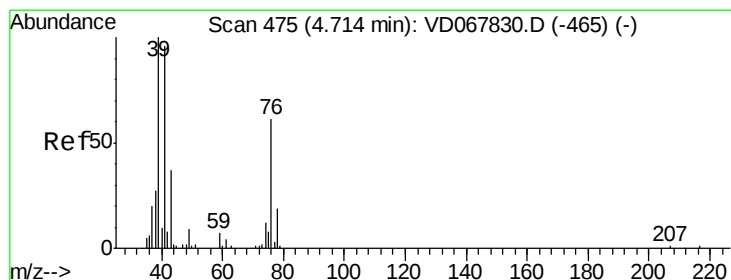
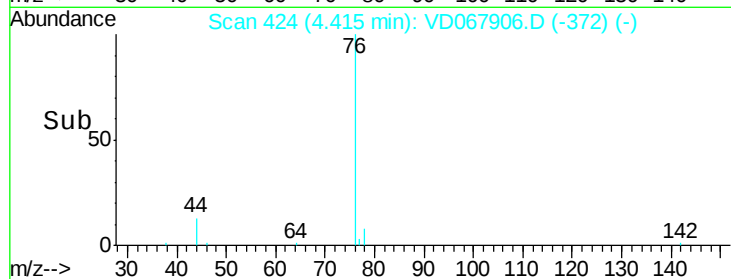
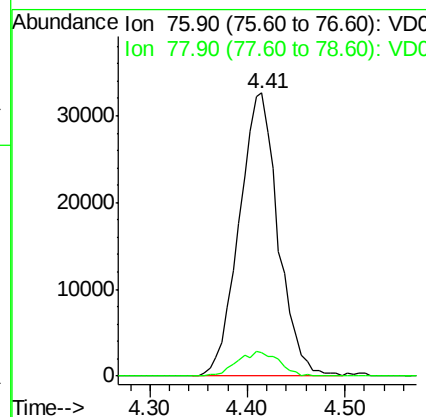
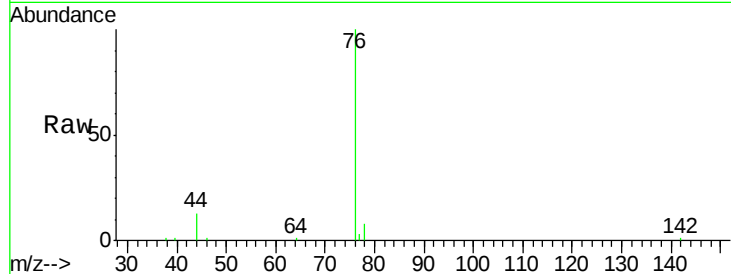
#17
Carbon Disulfide
Concen: 18.458 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	76	Resp	90957
Ion Ratio	Lower	Upper	
76	100		
78	8.5	7.8	11.6

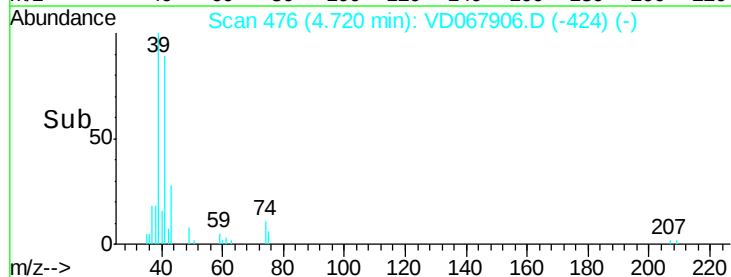
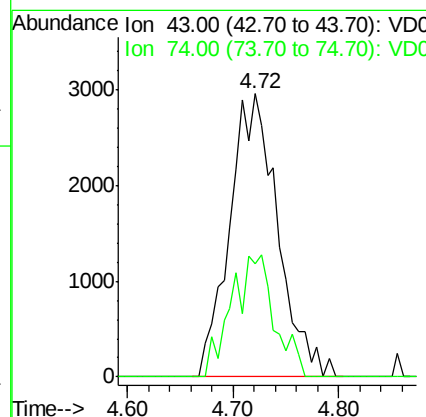
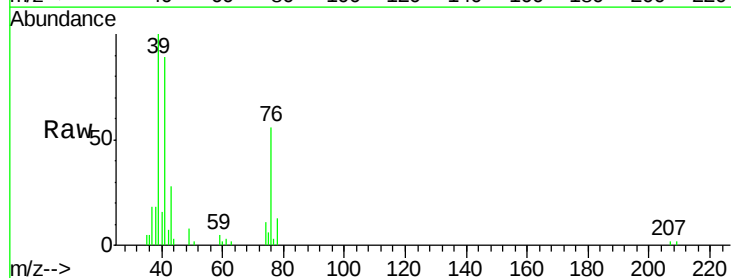
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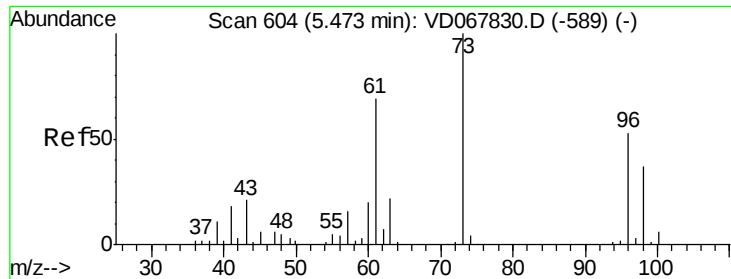
MMDadoda
12/9/2020 9:29:00 AM



#18
Methyl Acetate
Concen: 17.095 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	43	Resp	9319
Ion Ratio	Lower	Upper	
43	100		
74	38.8	27.0	40.4





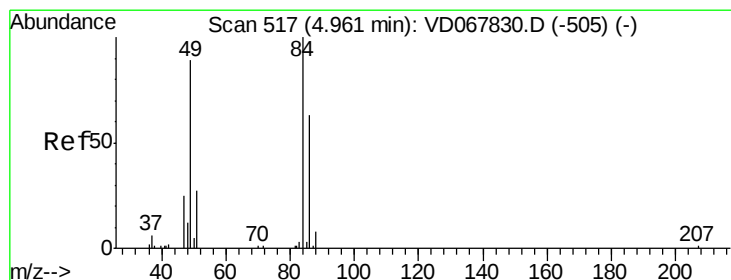
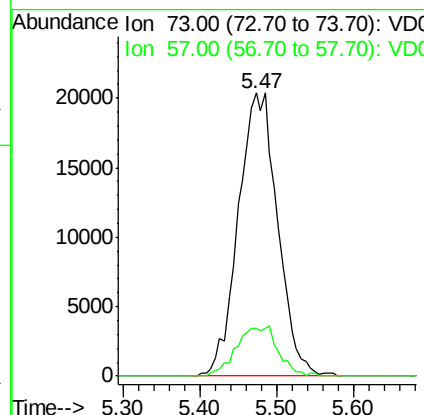
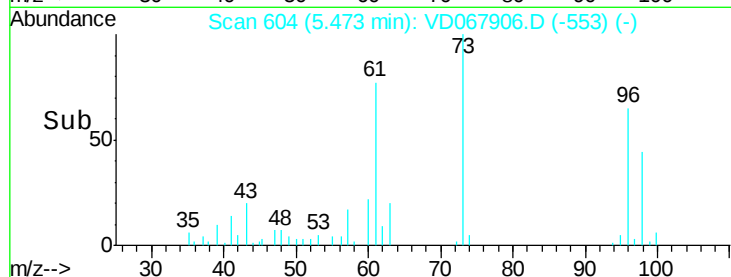
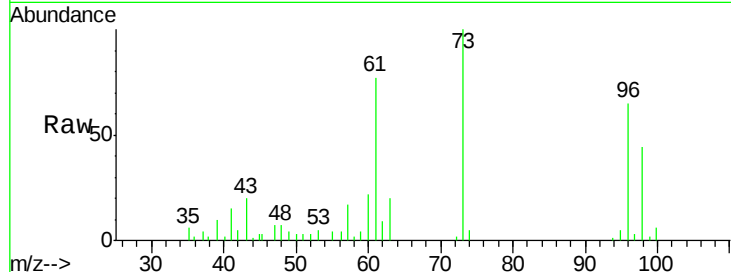
#19
Methyl tert-butyl Ether
Concen: 19.293 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion: 73 Resp: 72915
Ion Ratio Lower Upper
73 100
57 17.0 13.2 19.8

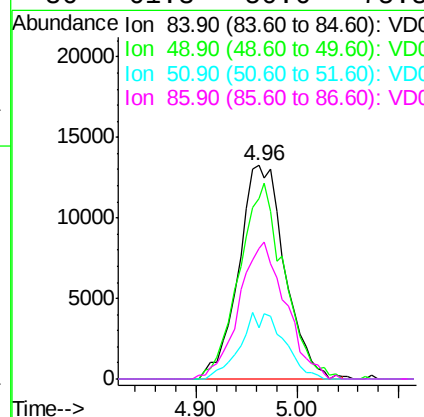
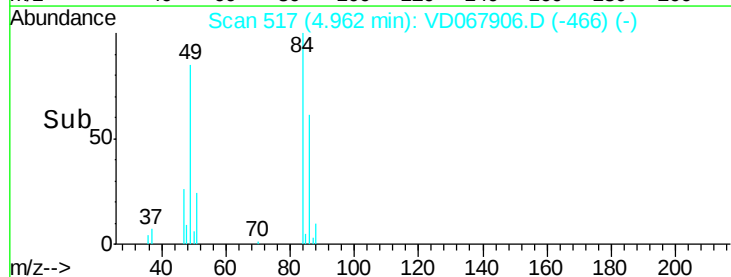
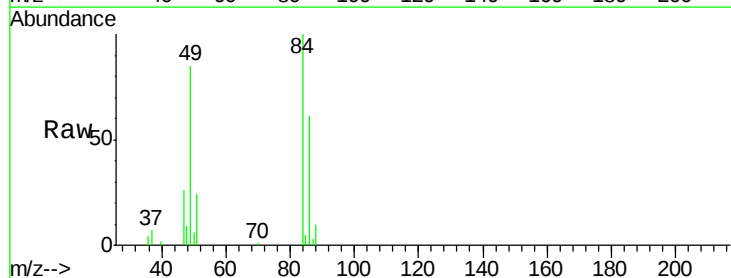
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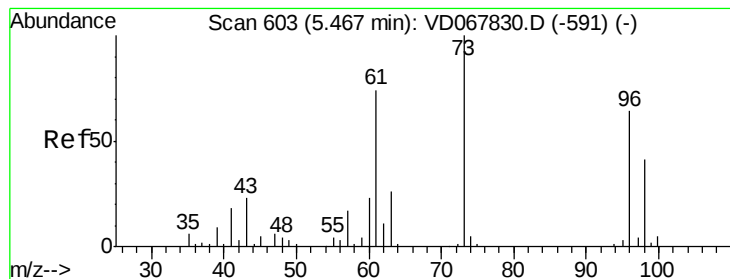
MMDadoda
12/9/2020 9:29:00 AM



#20
Methylene Chloride
Concen: 20.448 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 84 Resp: 41870
Ion Ratio Lower Upper
84 100
49 84.8 71.4 107.0
51 24.0 21.8 32.8
86 61.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.509 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 96 Resp: 39183

Ion Ratio Lower Upper

96 100

61 117.8 93.1 139.7

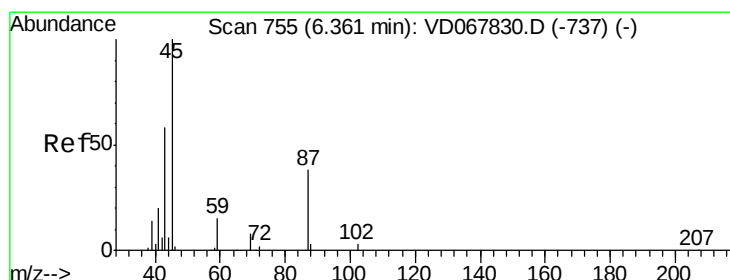
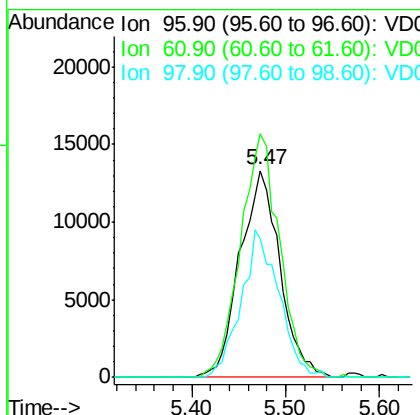
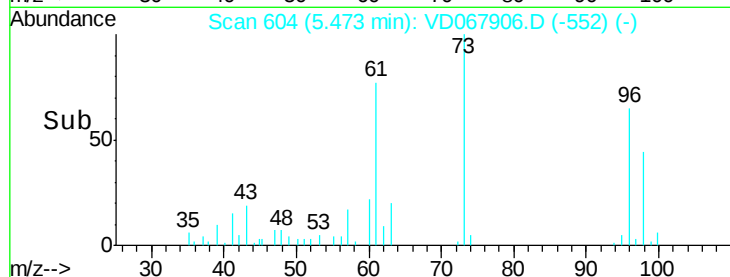
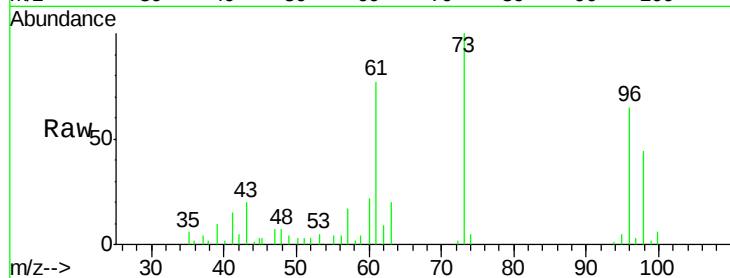
98 67.3 52.2 78.2

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#22

Diisopropyl ether

Concen: 18.881 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Tgt Ion: 45 Resp: 62007

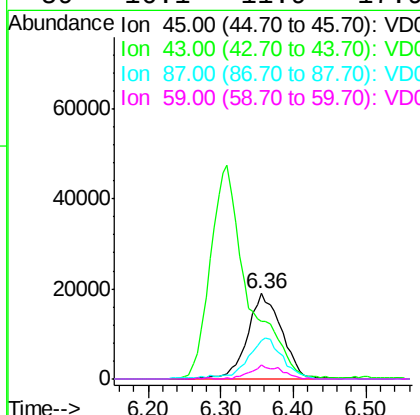
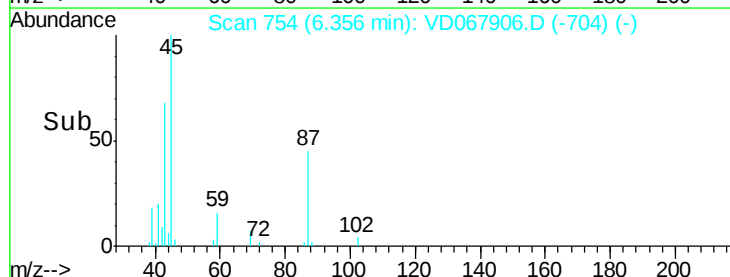
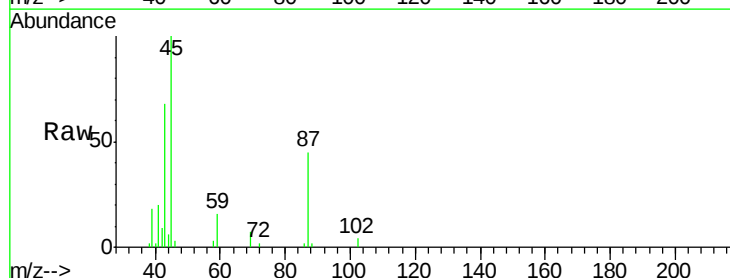
Ion Ratio Lower Upper

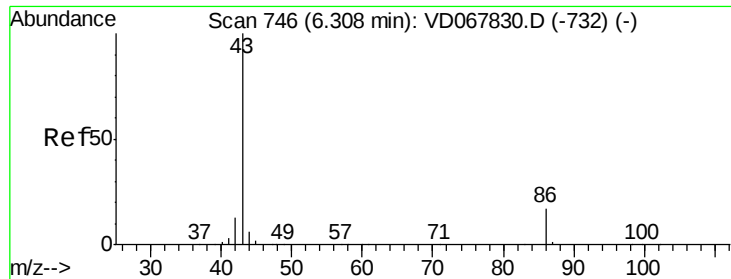
45 100

43 66.5 49.8 74.6

87 45.1 32.1 48.1

59 16.1 11.9 17.9





#23

Vinyl Acetate

Concen: 93.326 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 43 Resp: 170502

Ion Ratio Lower Upper

43 100

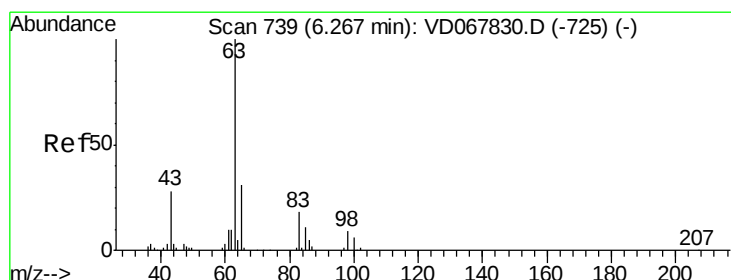
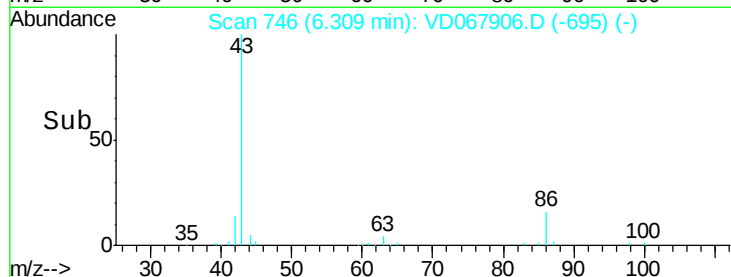
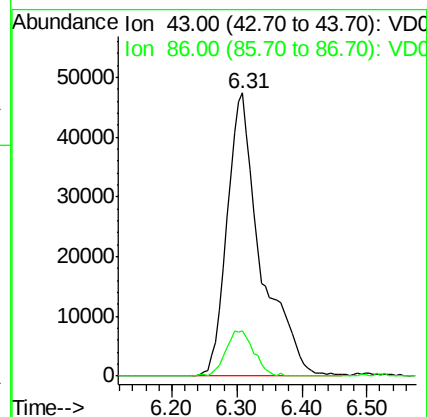
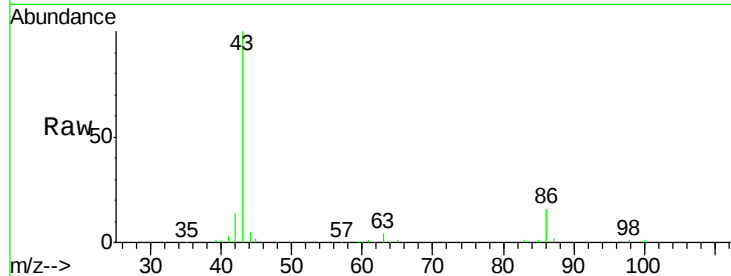
86 15.6 13.8 20.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.105 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

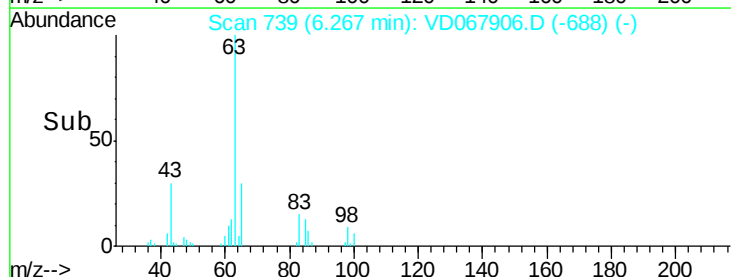
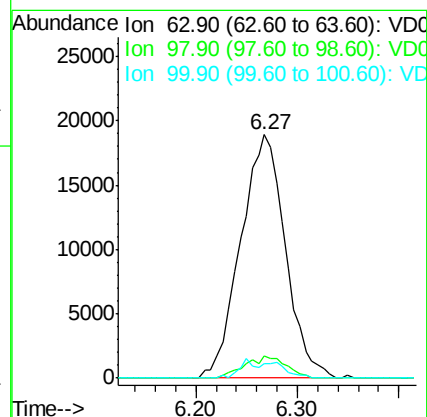
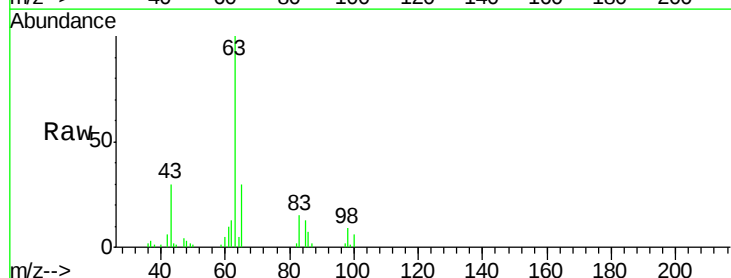
Tgt Ion: 63 Resp: 57878

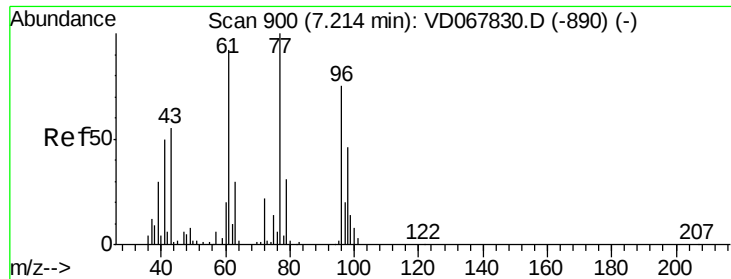
Ion Ratio Lower Upper

63 100

98 9.0 4.5 13.5

100 5.9 3.0 9.2





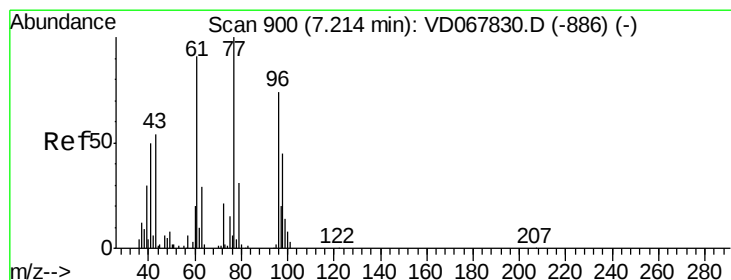
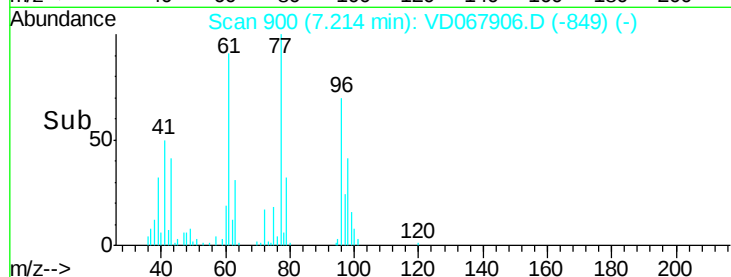
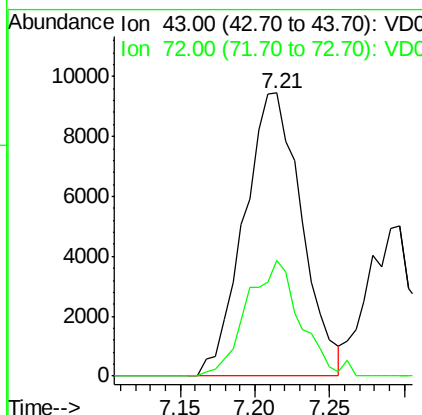
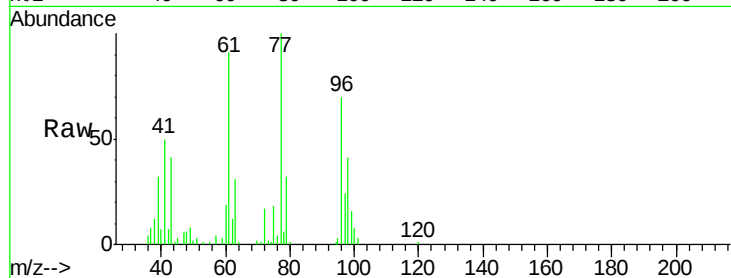
#25
2-Butanone
Concen: 85.372 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion: 43 Resp: 25372
Ion Ratio Lower Upper
43 100
72 40.8 31.3 46.9

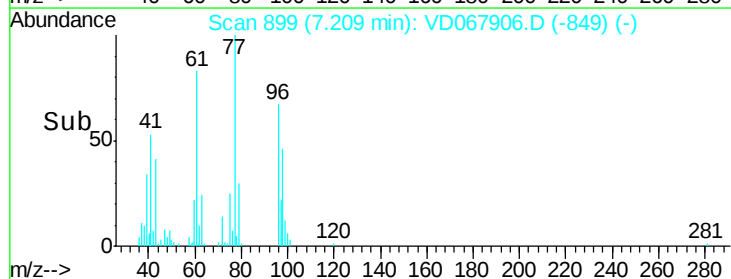
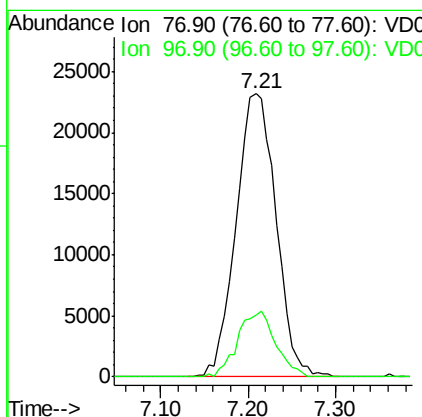
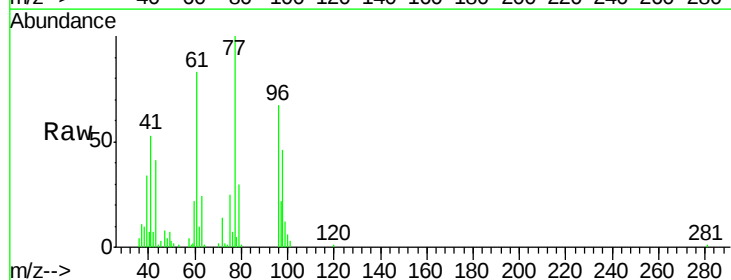
Manual Integrations
APPROVED

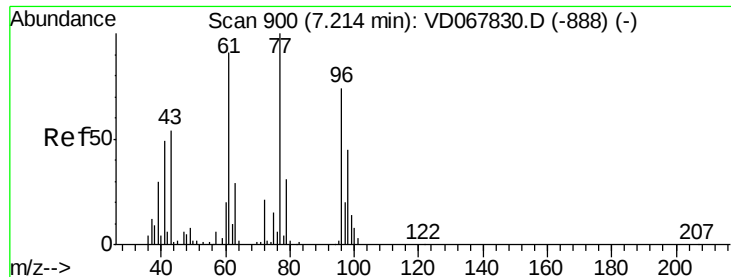
MMDadoda
12/9/2020 9:29:00 AM



#26
2,2-Dichloropropane
Concen: 20.938 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 77 Resp: 71878
Ion Ratio Lower Upper
77 100
97 21.9 11.1 33.1





#27

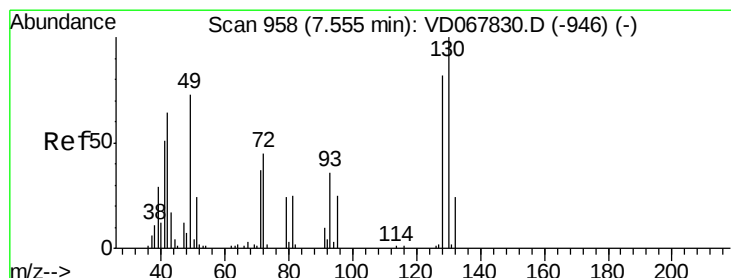
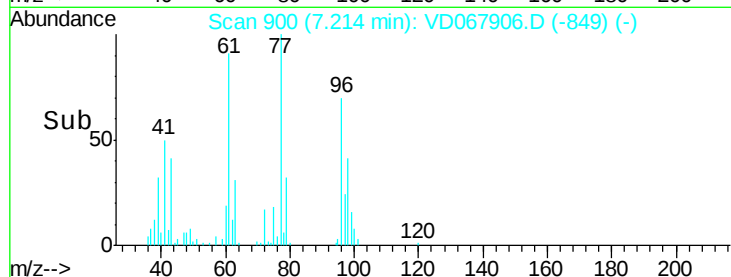
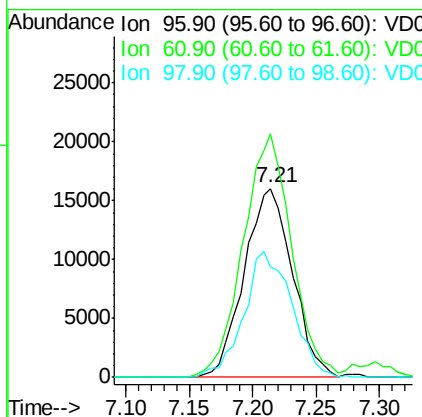
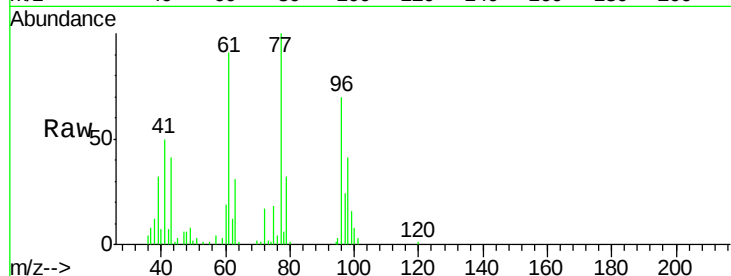
cis-1,2-Dichloroethene
Concen: 19.311 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	248.4
98	66.2	0.0	127.4

Manual Integrations
APPROVED

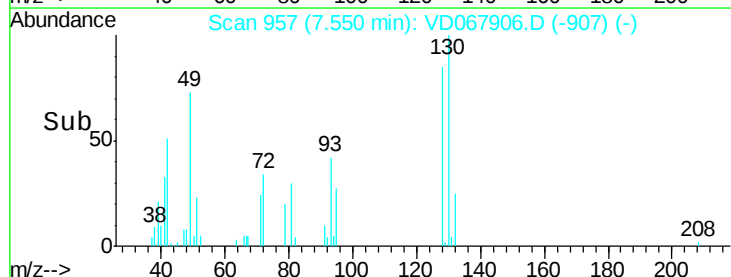
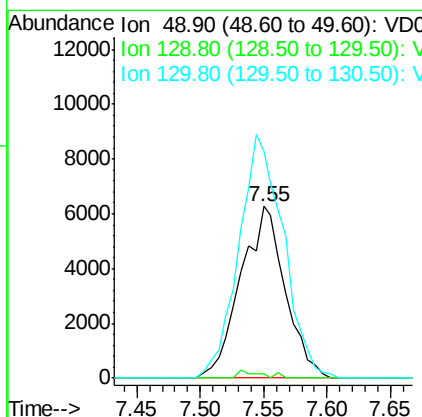
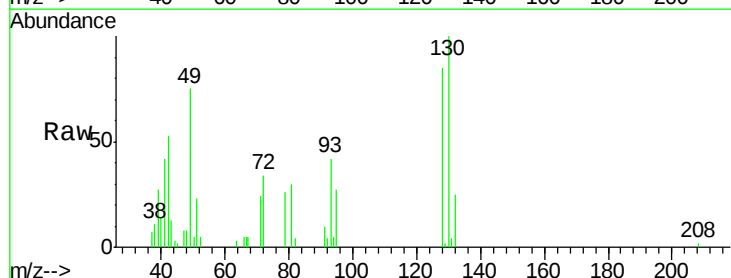
MMDadoda
12/9/2020 9:29:00 AM

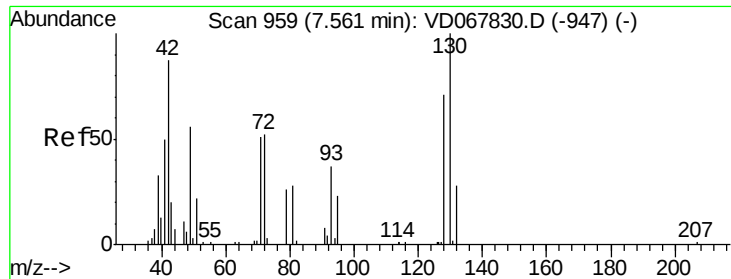


#28

Bromochloromethane
Concen: 16.728 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	142.0	110.2	165.2





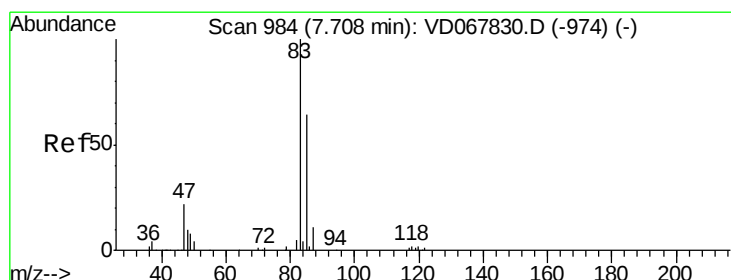
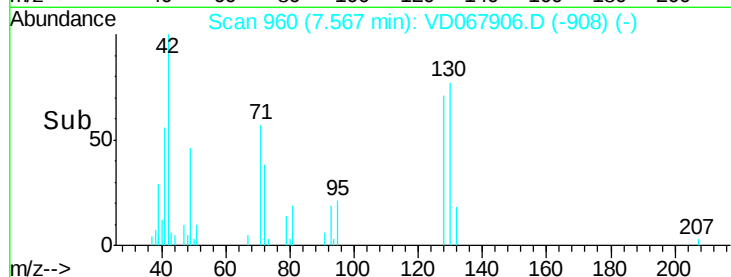
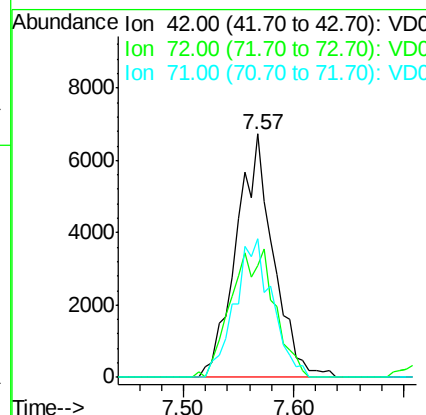
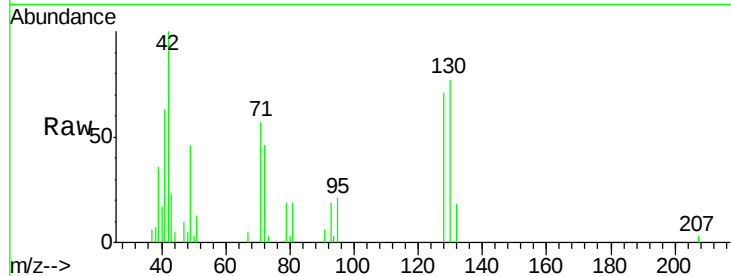
#29
Tetrahydrofuran
Concen: 93.932 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	61.8	51.9	77.9
71	57.1	48.2	72.4

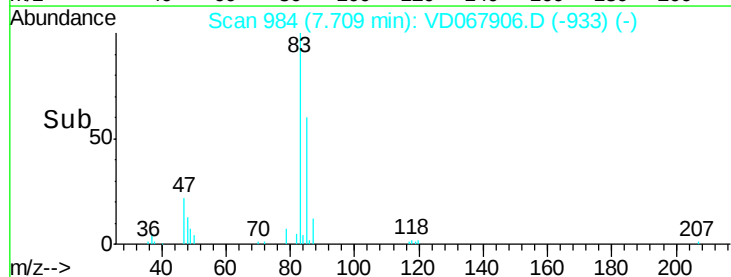
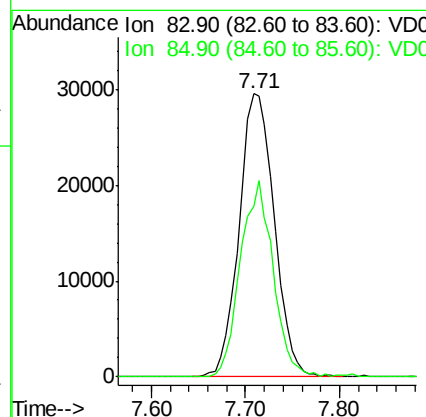
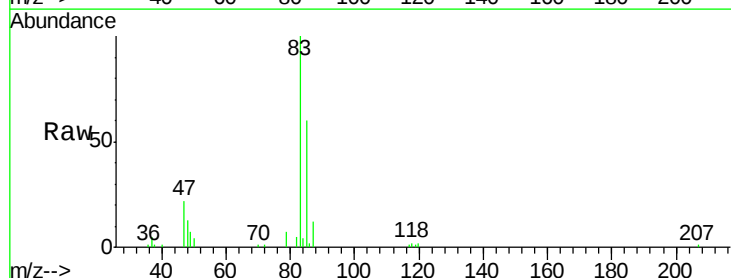
Manual Integrations
APPROVED

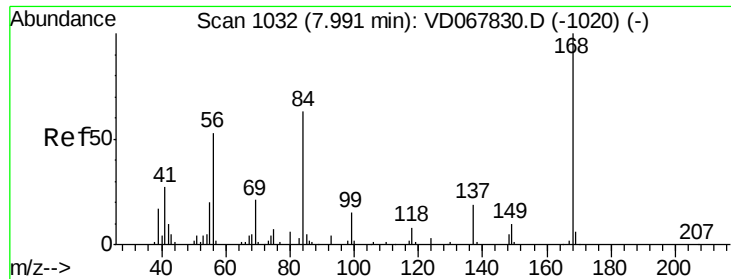
MMDadoda
12/9/2020 9:29:00 AM



#30
Chloroform
Concen: 19.909 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.0	76.4





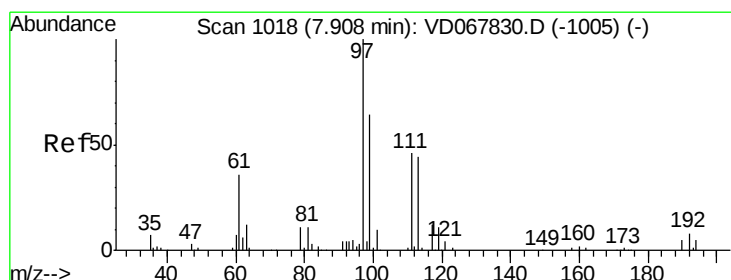
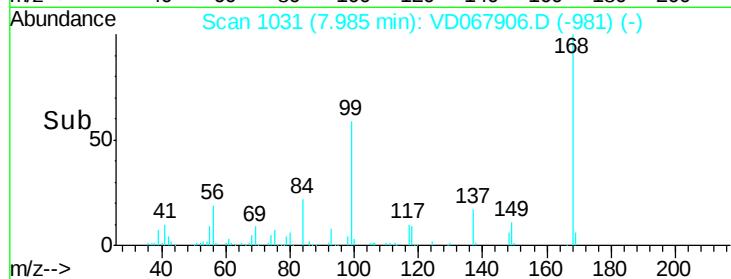
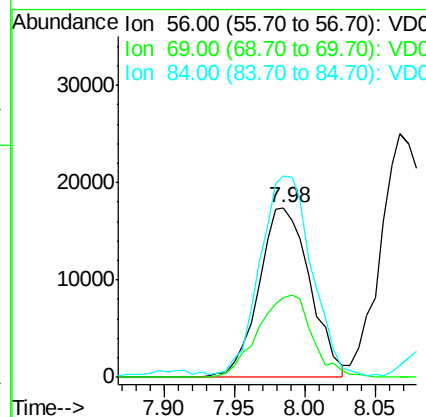
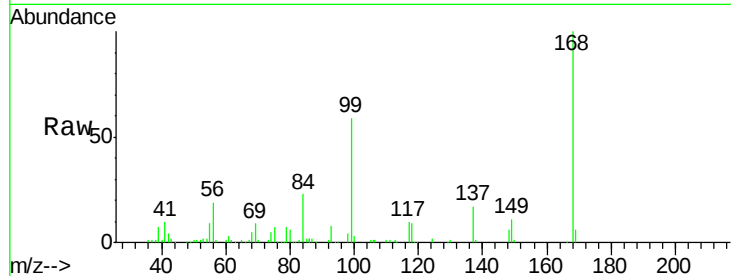
#31
Cyclohexane
Concen: 18.377 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	56	Resp	44271
Ion Ratio	100	Lower	Upper
56	100		
69	47.0	32.1	48.1
84	117.4	93.2	139.8

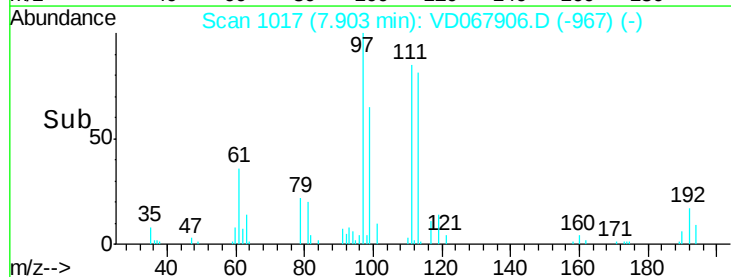
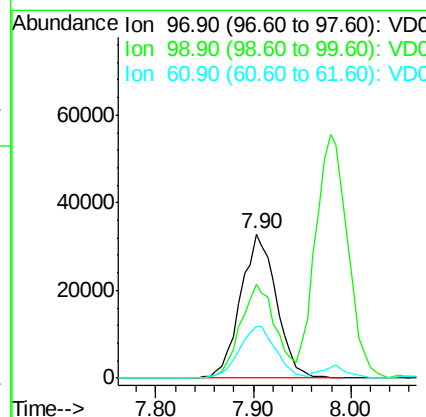
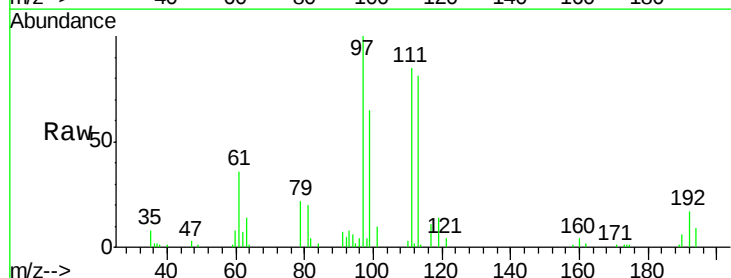
Manual Integrations
APPROVED

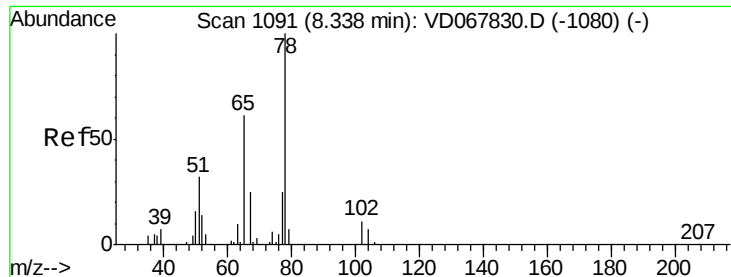
MMDadoda
12/9/2020 9:29:00 AM



#32
1,1,1-Trichloroethane
Concen: 20.617 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	97	Resp	83727
Ion Ratio	100	Lower	Upper
97	100		
99	64.5	51.4	77.2
61	36.8	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 46.081 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 65 Resp: 105370

Ion Ratio Lower Upper

65 100

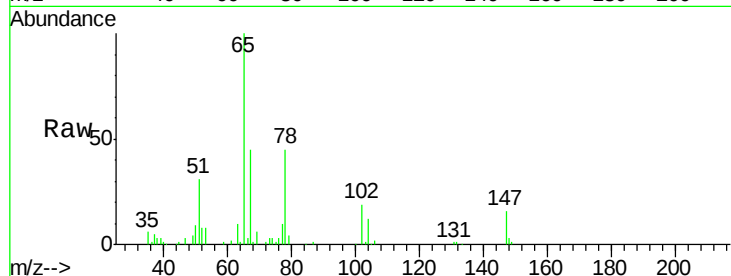
67 46.8 0.0 92.0

Manual Integrations

APPROVED

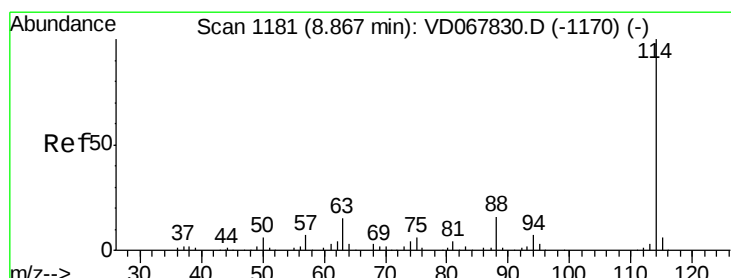
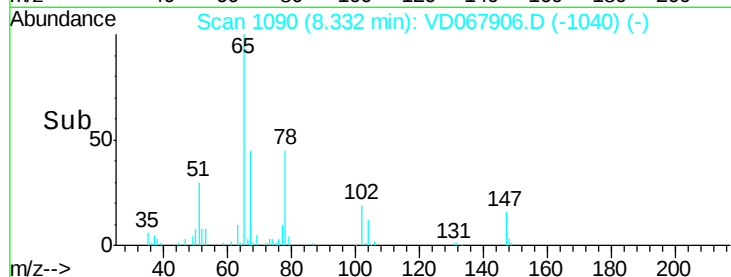
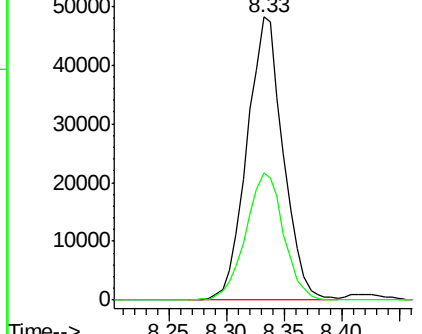
MMDadoda

12/9/2020 9:29:00 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

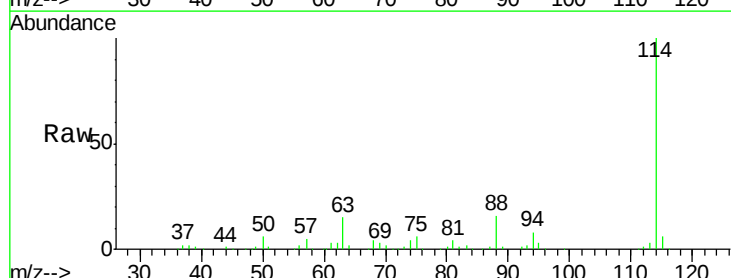
Tgt Ion: 114 Resp: 306969

Ion Ratio Lower Upper

114 100

63 14.9 0.0 30.8

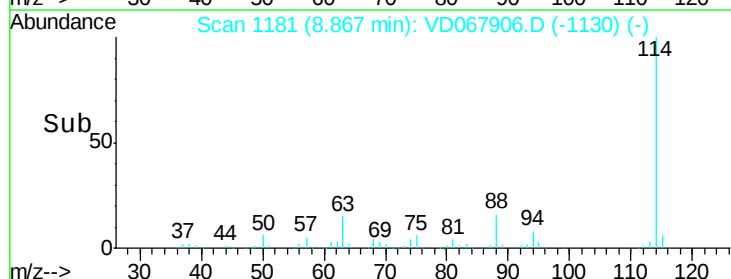
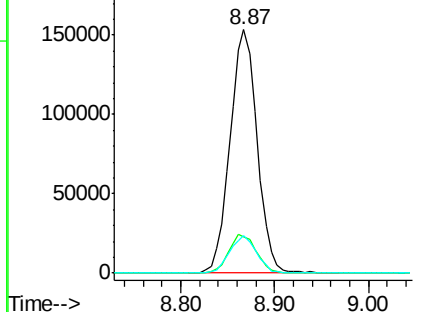
88 15.6 0.0 31.8

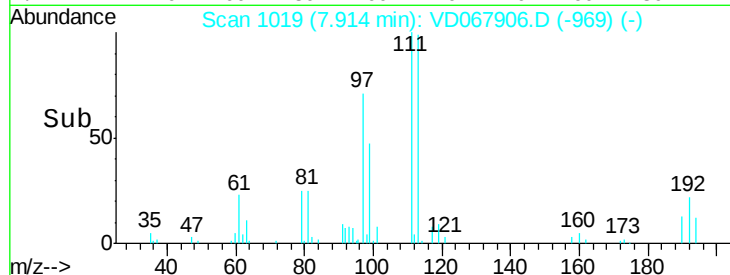
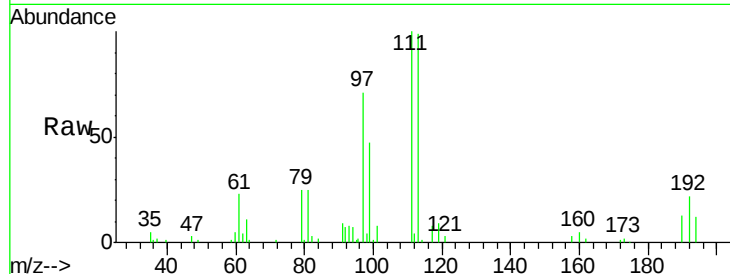
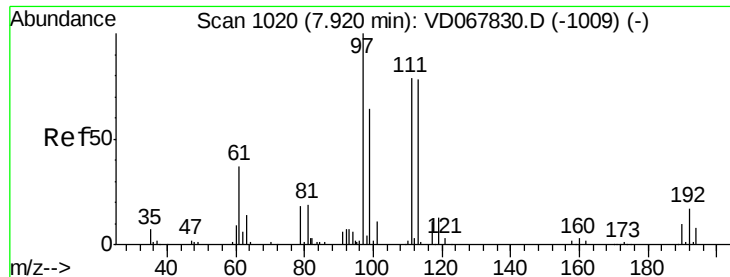


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





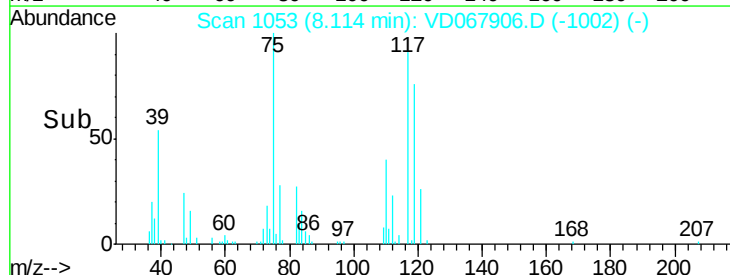
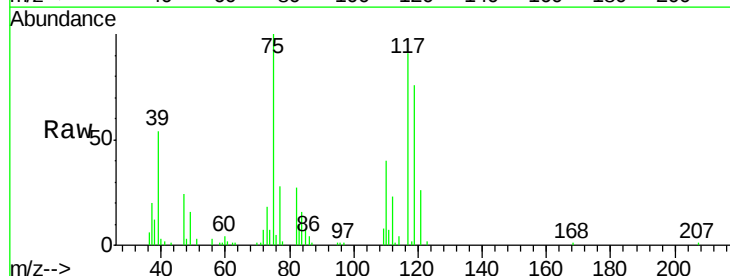
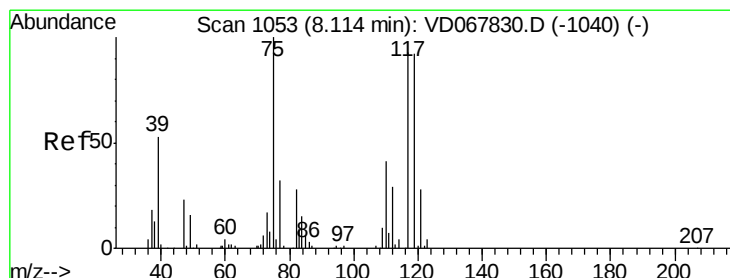
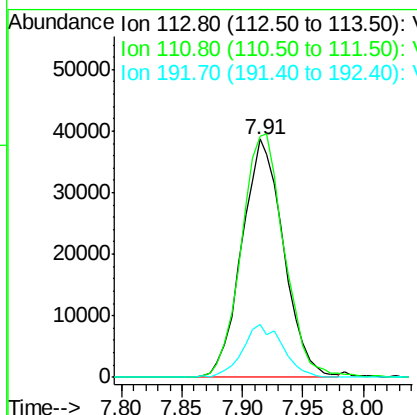
#35
Dibromofluoromethane
Concen: 45.183 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100	92808		
111	105.1	81.2	121.8	
192	21.5	16.8	25.2	

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

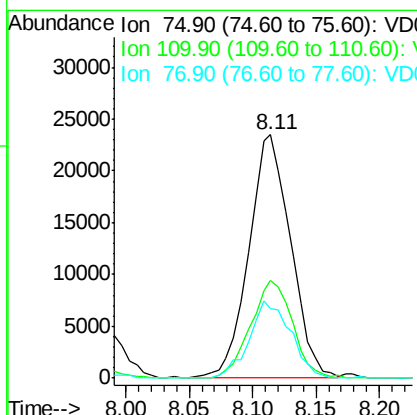
Manual Integrations
APPROVED

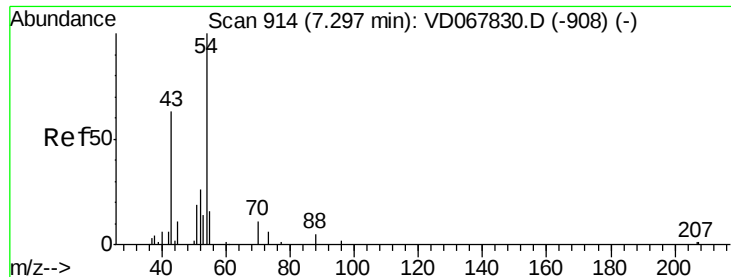
MMDadoda
12/9/2020 9:29:00 AM



#36
1,1-Dichloropropene
Concen: 20.341 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54055		
110	40.0	20.3	61.0	
77	31.4	24.7	37.1	





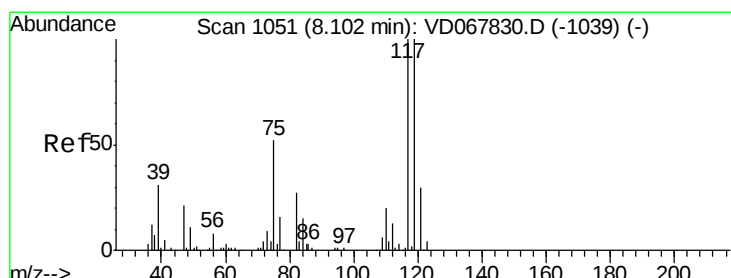
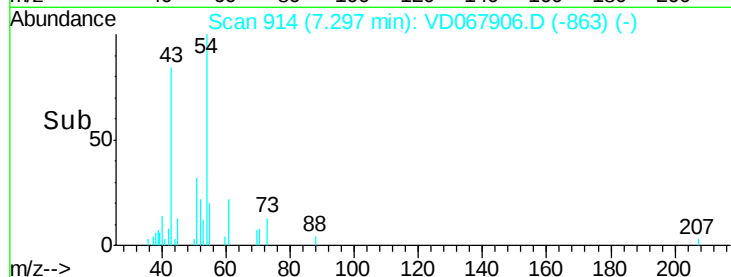
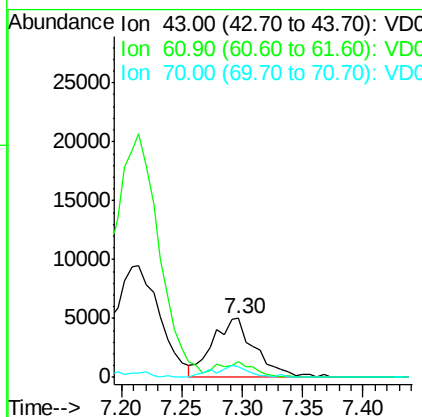
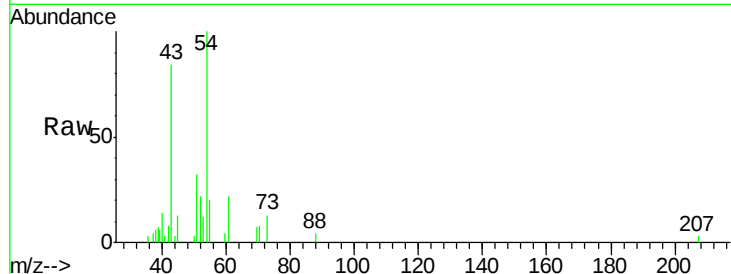
#37
Ethyl Acetate
Concen: 17.084 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.7	11.4	17.2#
70	16.2	11.5	17.3

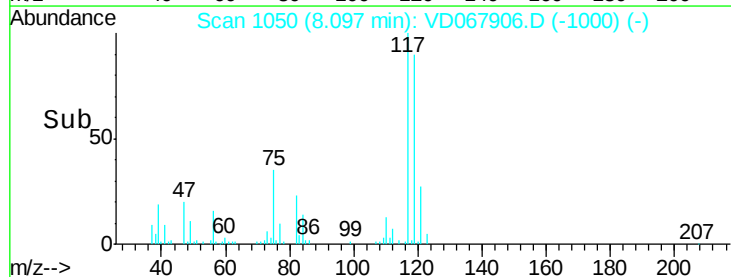
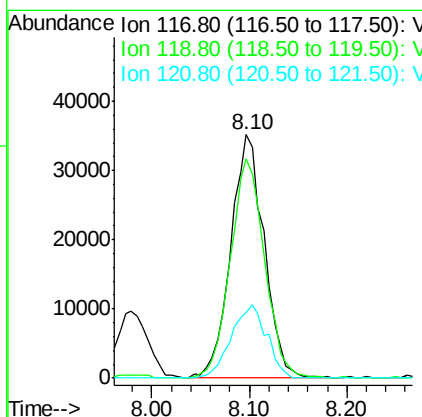
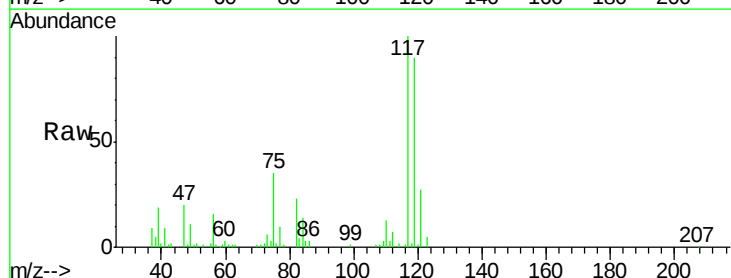
Manual Integrations
APPROVED

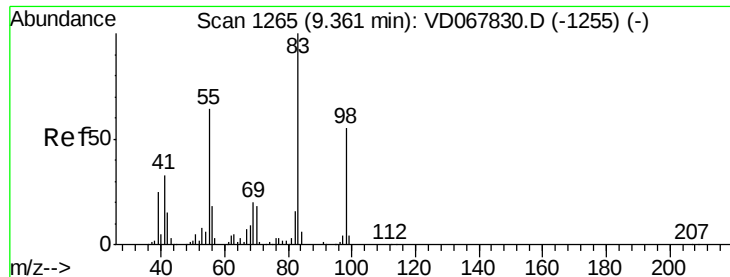
MMDadoda
12/9/2020 9:29:00 AM



#38
Carbon Tetrachloride
Concen: 20.798 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	79.7	119.5
121	27.2	23.8	35.6





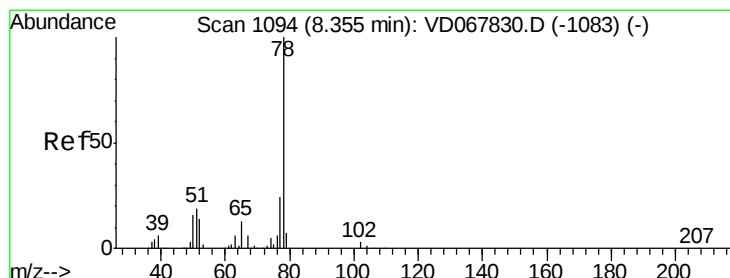
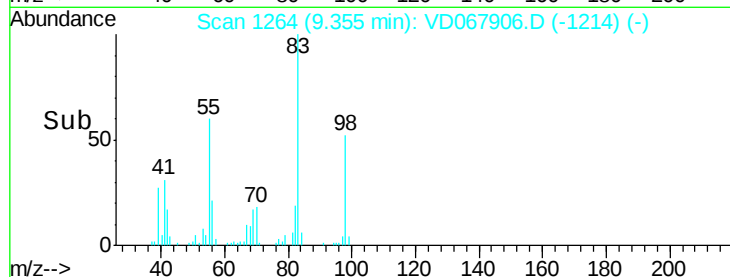
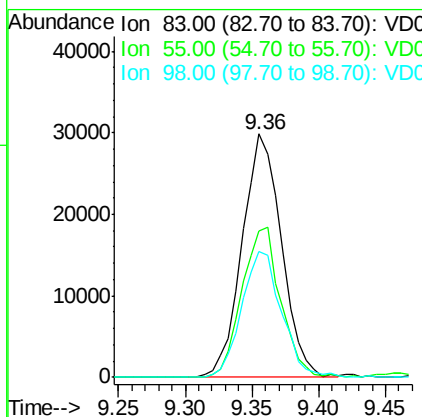
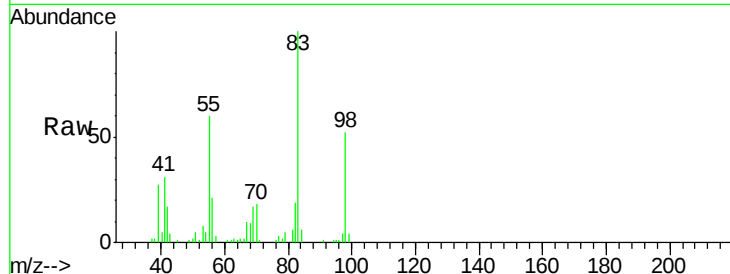
#39
Methvlcvclohexane
Concen: 19.310 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.2	51.6	77.4
98	51.6	44.3	66.5

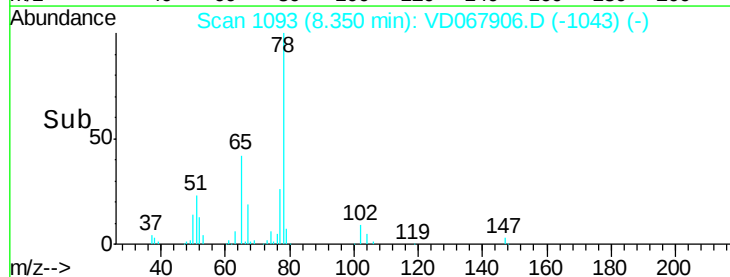
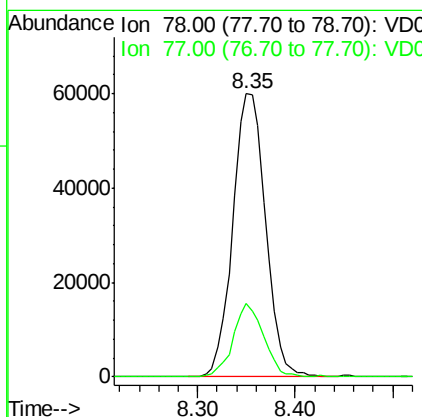
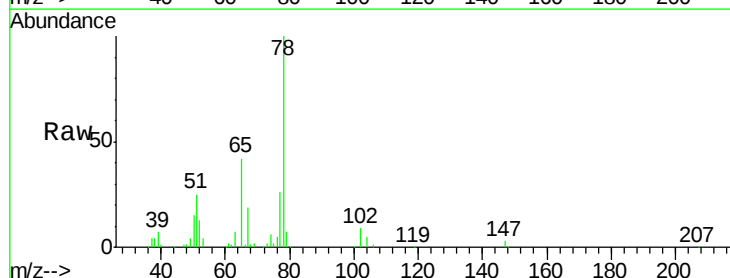
Manual Integrations
APPROVED

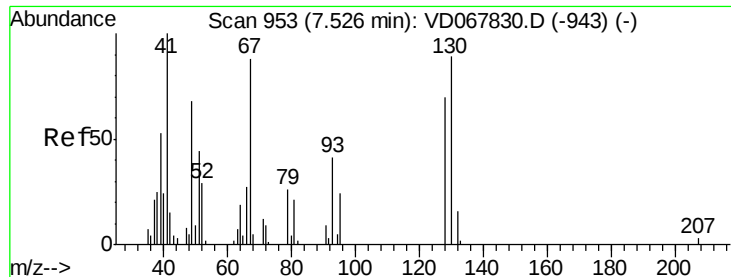
MMDadoda
12/9/2020 9:29:00 AM



#40
Benzene
Concen: 19.329 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.1	28.7





#41

Methacrylonitrile

Concen: 14.924 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 41 Resp: 6144

Ion Ratio Lower Upper

41 100

39 71.3 42.1 63.1#

67 119.0 82.4 123.6

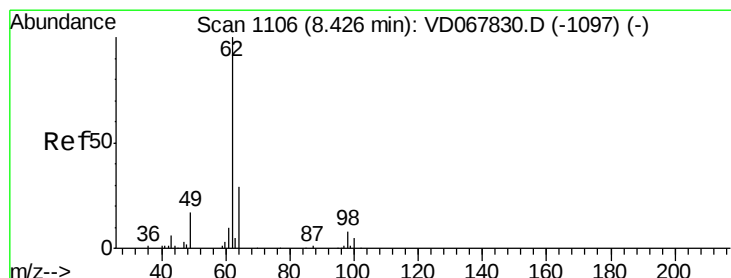
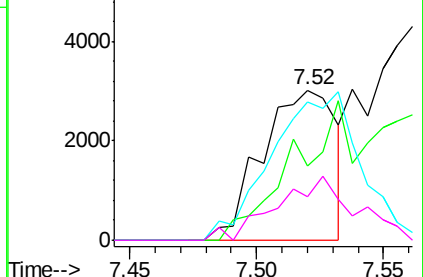
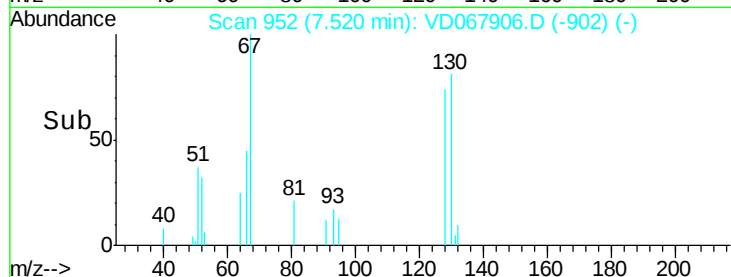
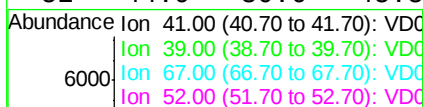
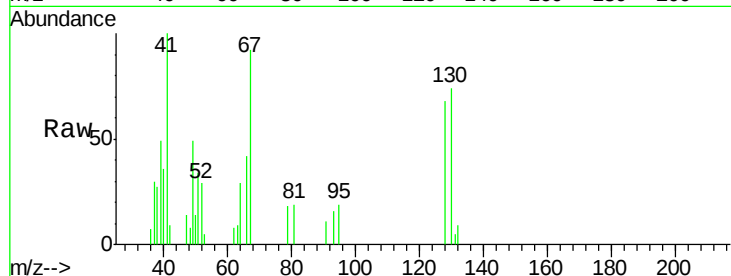
52 44.9 30.6 45.8

Manual Integrations

APPROVED

MMDadoda

12/9/2020 9:29:00 AM



#42

1,2-Dichloroethane

Concen: 19.781 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067906.D

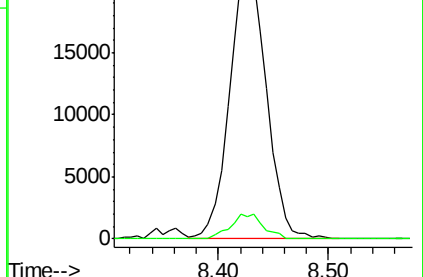
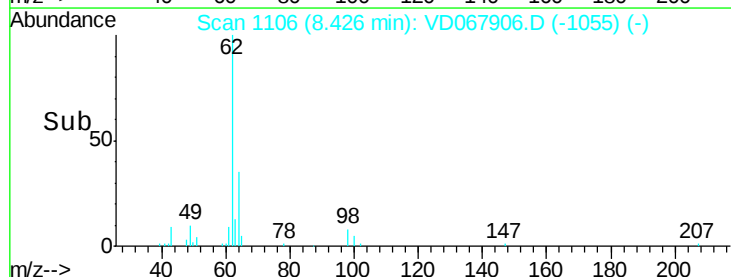
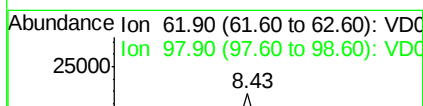
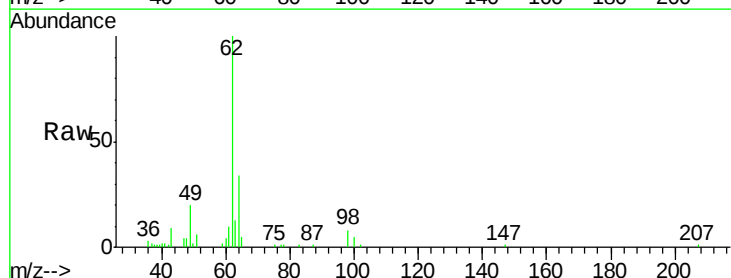
Acq: 08 Dec 2020 10:59

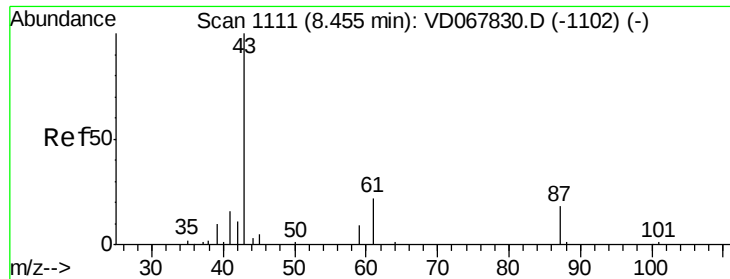
Tgt Ion: 62 Resp: 51263

Ion Ratio Lower Upper

62 100

98 8.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 17.343 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

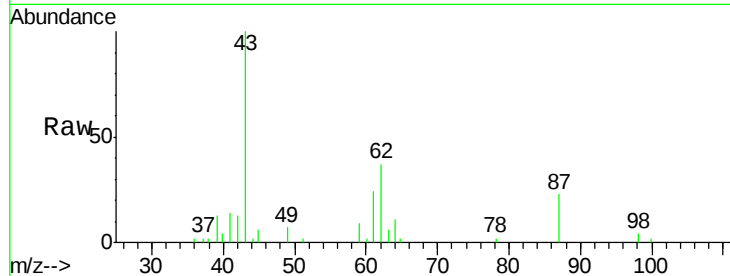
ClientSampleId :

VD1208SBS01

Tot Ion:	43	Resp:	24440
Ion	Ratio	Lower	Upper
43	100		
61	42.1	30.4	45.6
87	21.4	16.2	24.2

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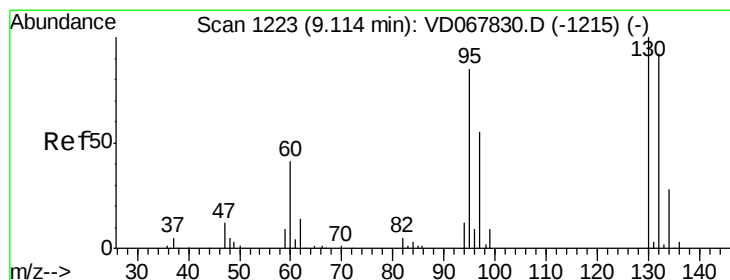
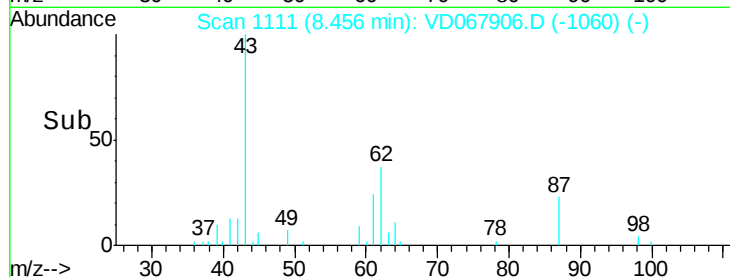
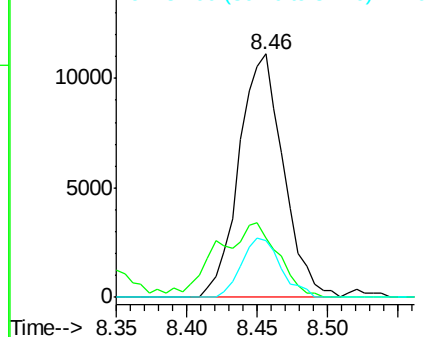


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.407 ug/l

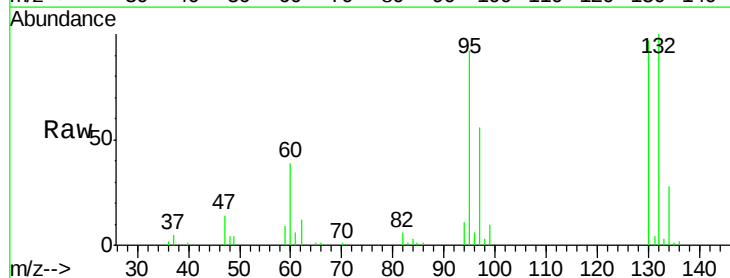
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

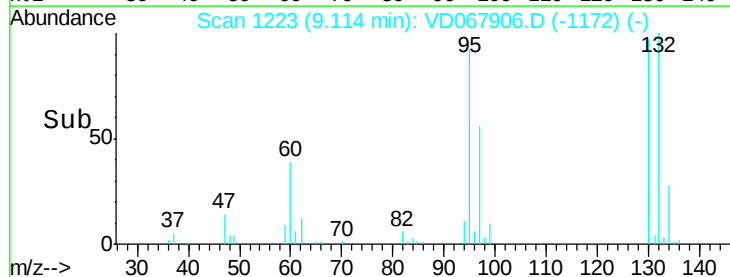
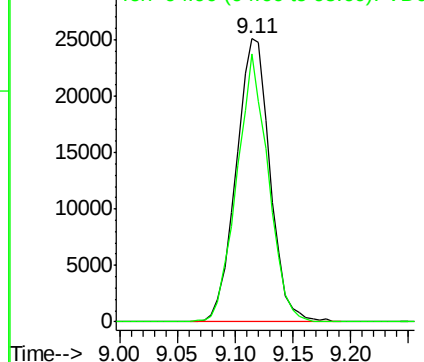
Tgt Ion:	130	Resp:	51017
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	170.2

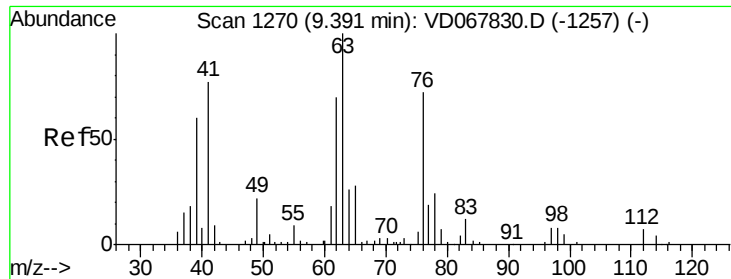


Abundance

Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





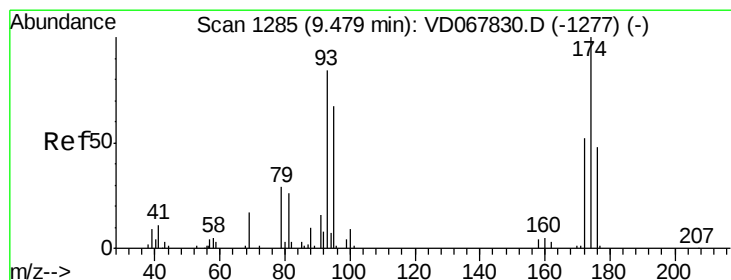
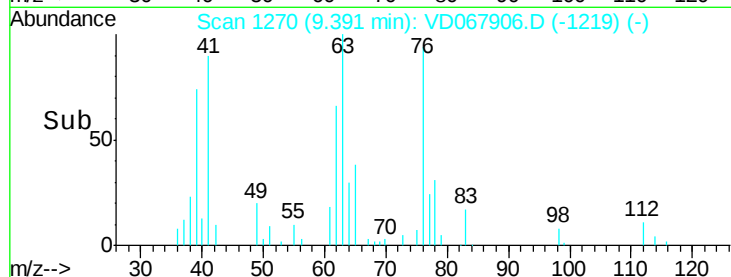
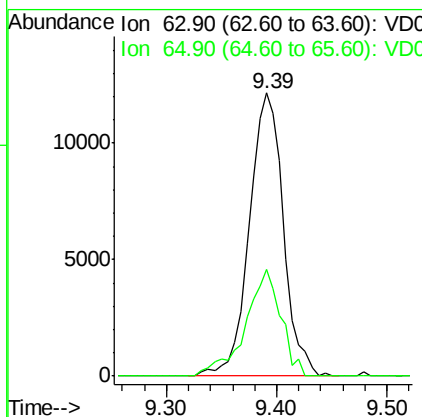
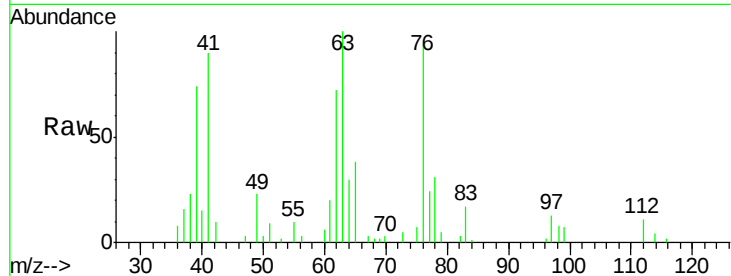
#45
 1,2-Dichloropropane
 Concen: 17.569 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion: 63 Resp: 26220
 Ion Ratio Lower Upper
 63 100
 65 37.9 22.8 34.2#

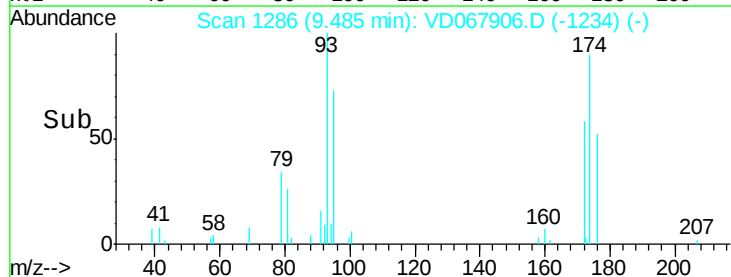
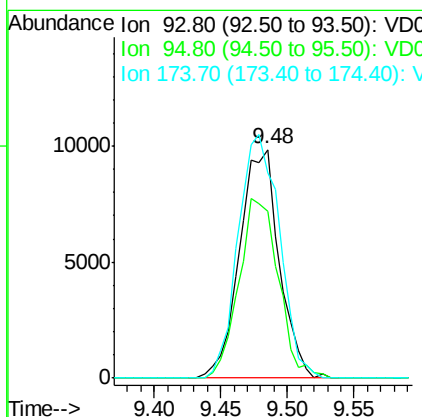
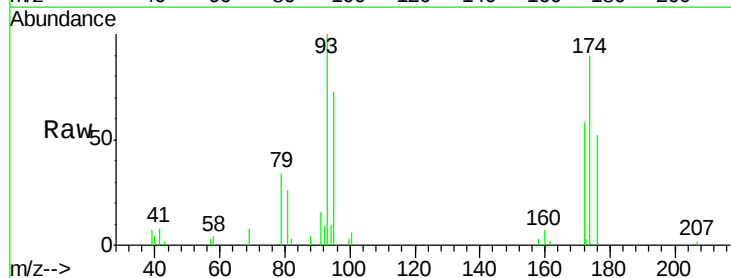
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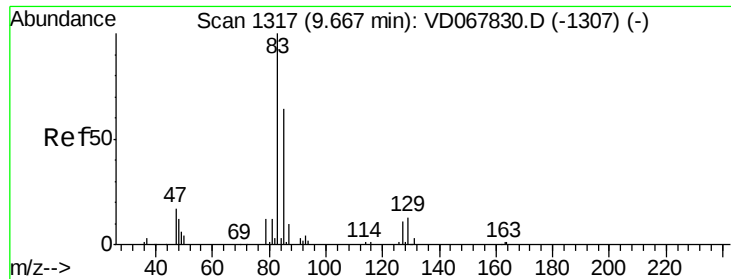
MMDadoda
 12/9/2020 9:29:00 AM



#46
 Dibromomethane
 Concen: 19.517 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion: 93 Resp: 20252
 Ion Ratio Lower Upper
 93 100
 95 78.1 64.2 96.4
 174 111.3 91.5 137.3





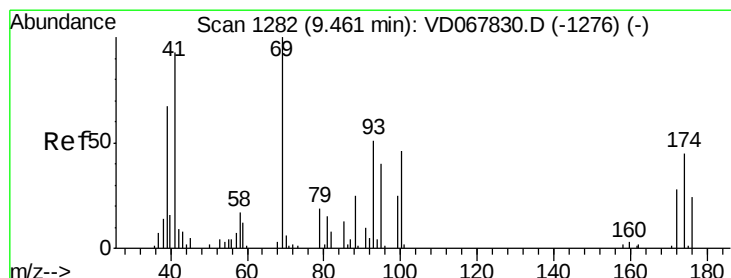
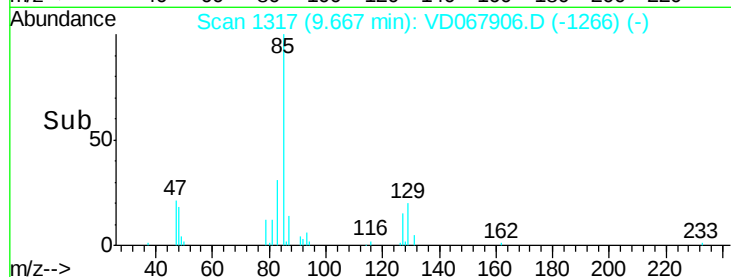
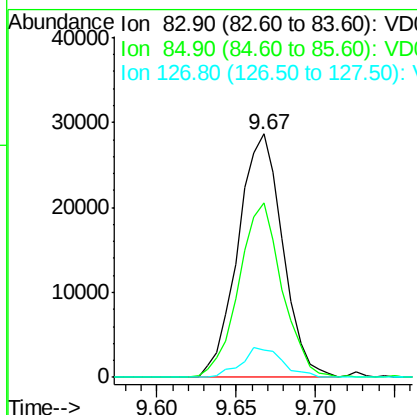
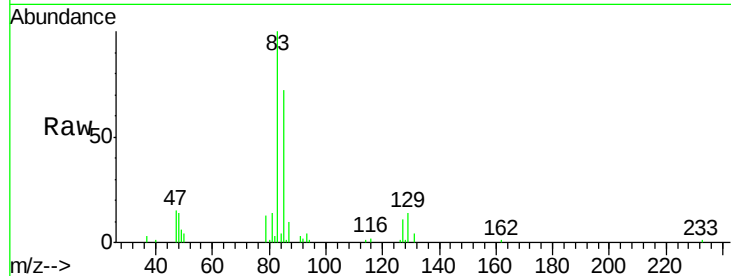
#47
Bromodichloromethane
Concen: 18.975 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	83	Resp	56131
Ion Ratio	100		
85	71.6	51.4	77.0
127	11.1	8.5	12.7

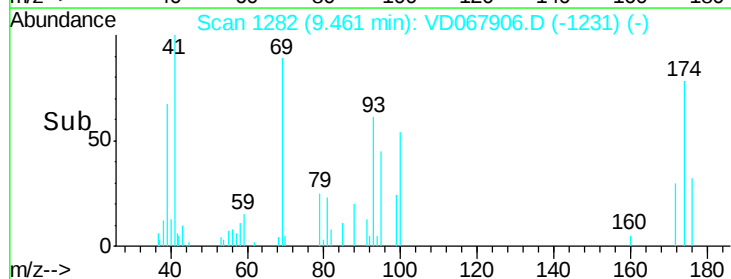
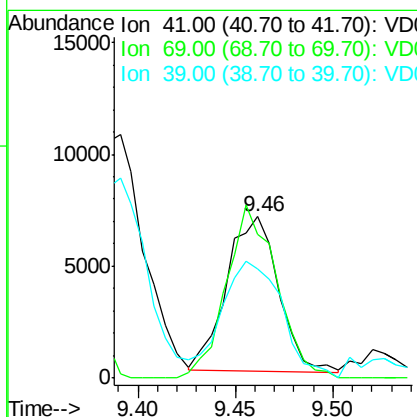
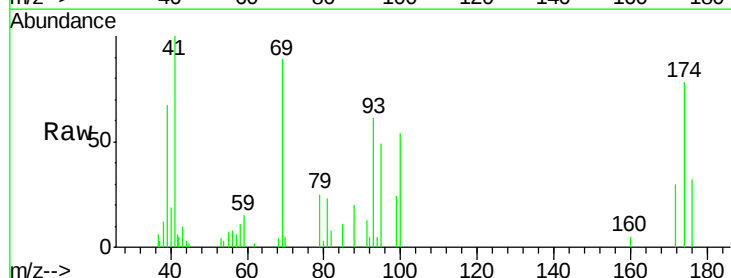
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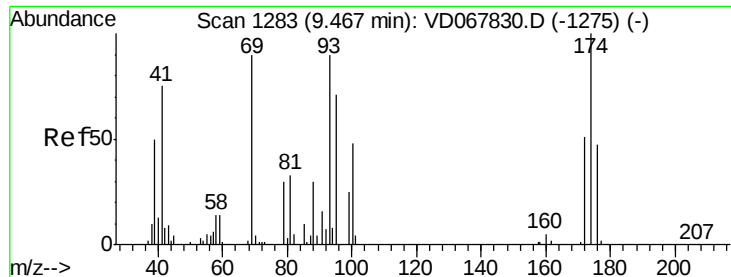
MMDadoda
12/9/2020 9:29:00 AM



#48
Methyl methacrylate
Concen: 17.871 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	41	Resp	12788
Ion Ratio	100		
69	108.0	87.6	131.4
39	87.8	61.2	91.8





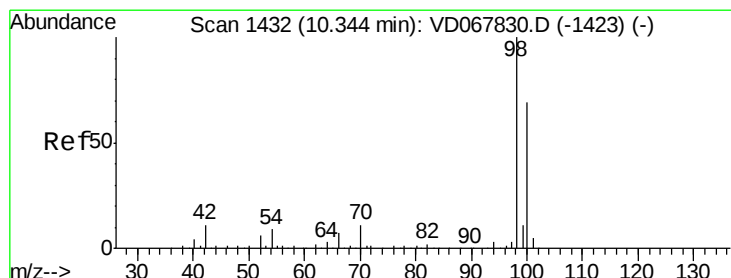
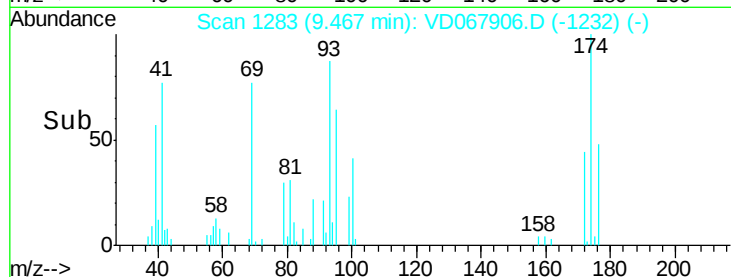
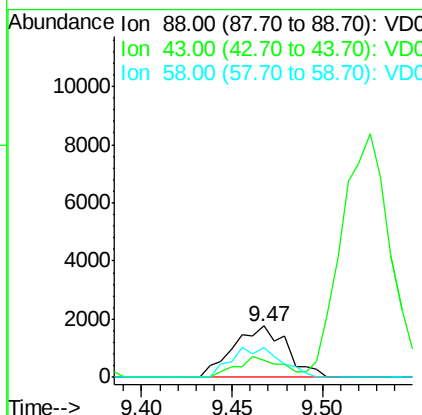
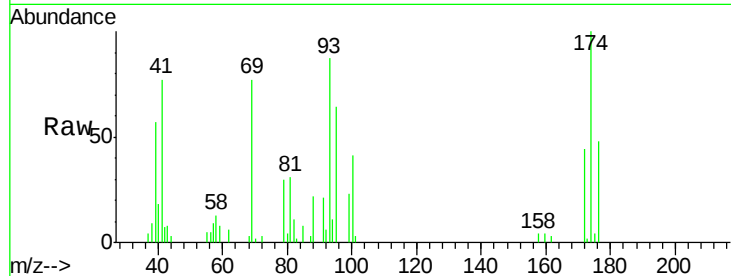
#49
1,4-Dioxane
Concen: 303.796 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	30.1	45.1
58	54.1	42.4	63.6

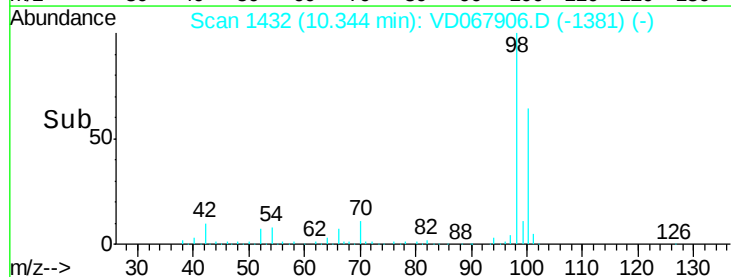
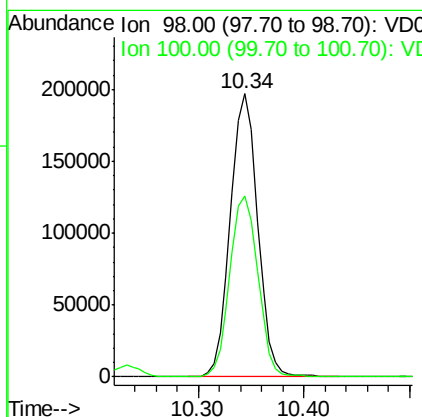
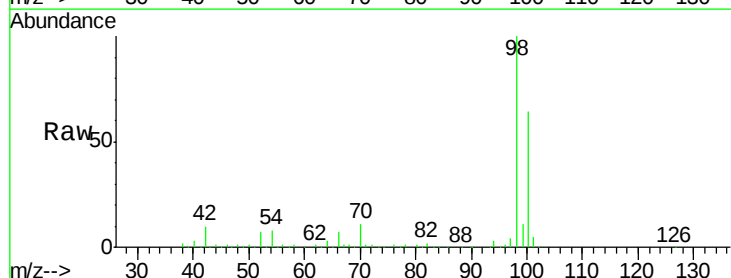
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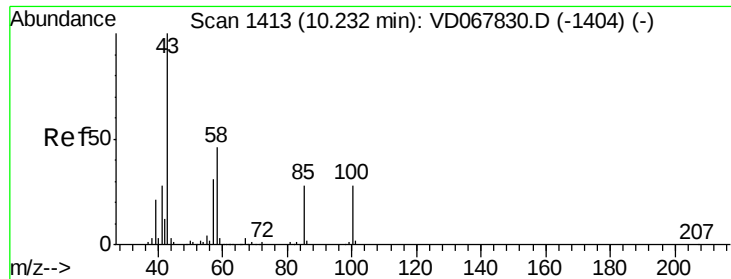
MMDadoda
12/9/2020 9:29:00 AM



#50
Toluene-d8
Concen: 47.782 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 85.016 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 43 Resp: 56703

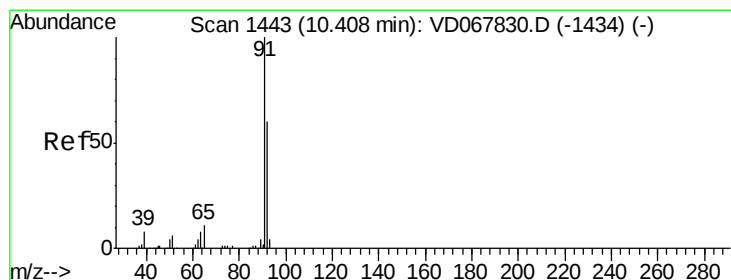
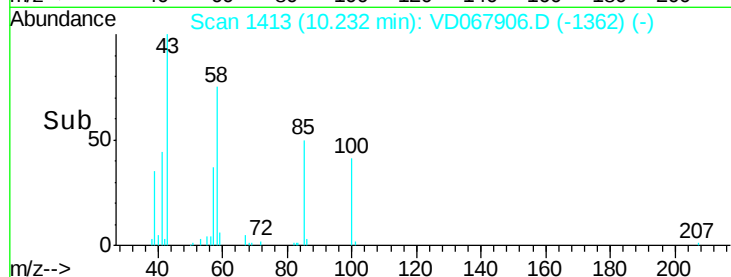
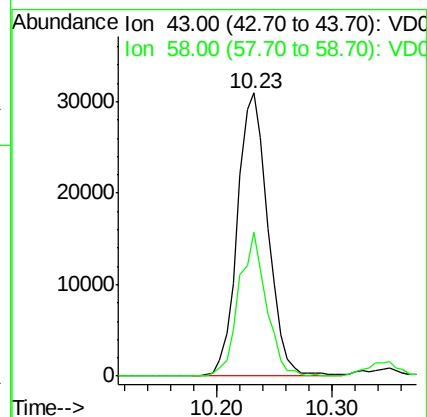
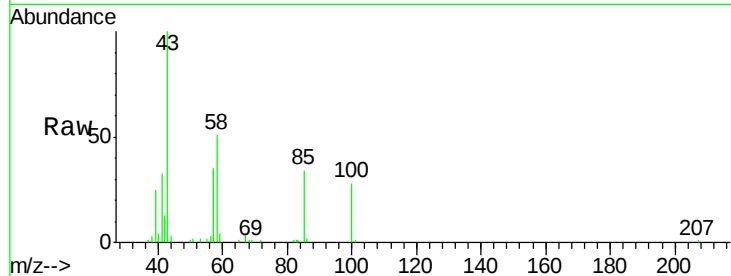
Ion Ratio Lower Upper

43 100

58 45.5 35.7 53.5

Manual Integrations
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#52

Toluene

Concen: 19.514 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067906.D

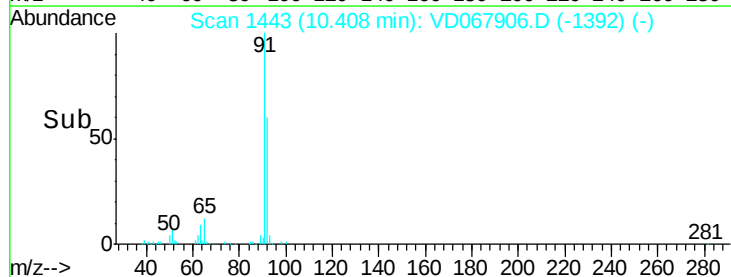
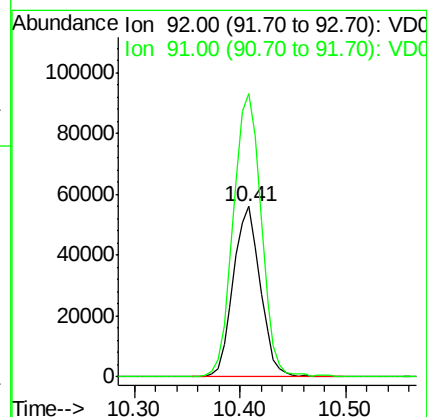
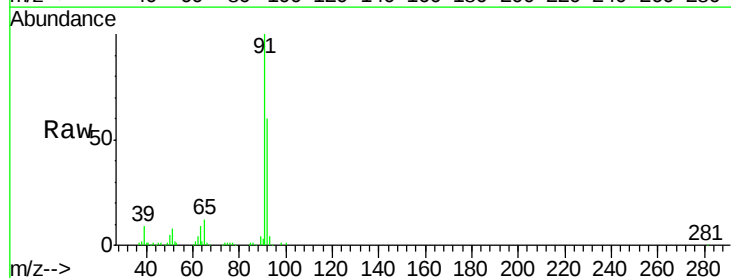
Acq: 08 Dec 2020 10:59

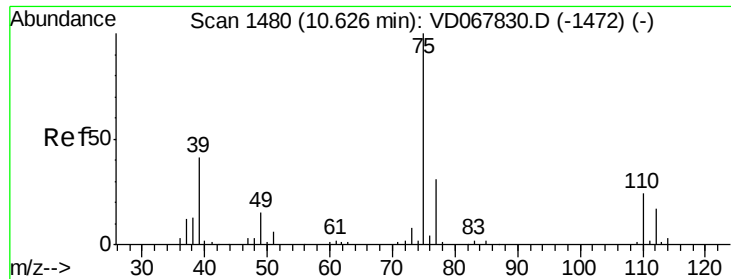
Tgt Ion: 92 Resp: 99207

Ion Ratio Lower Upper

92 100

91 171.3 134.2 201.2





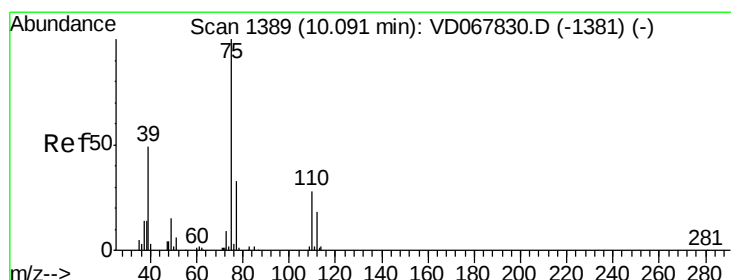
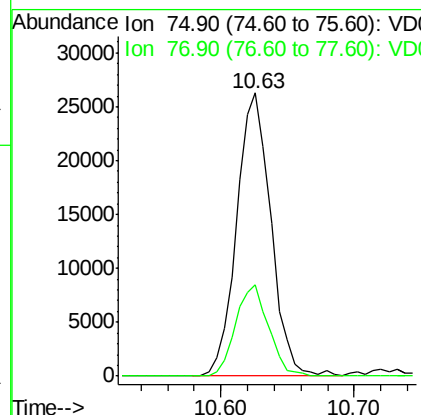
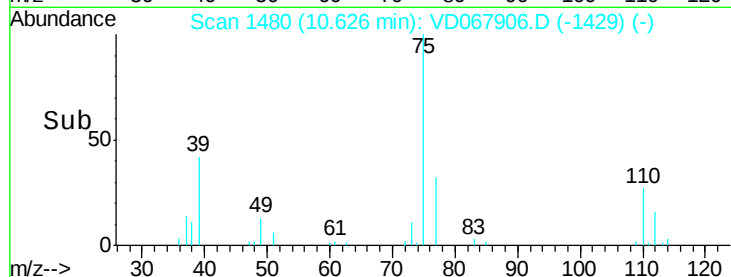
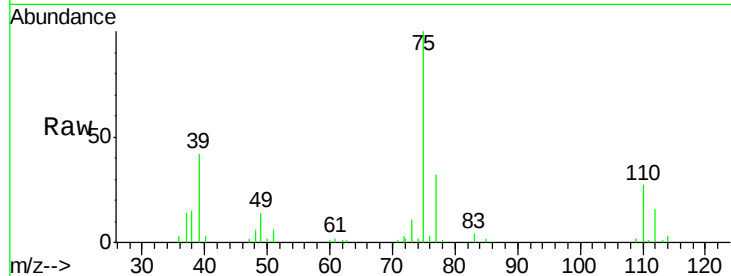
#53
t-1,3-Dichloropropene
Concen: 18.269 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4

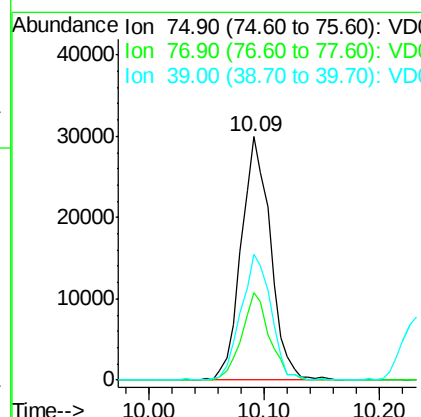
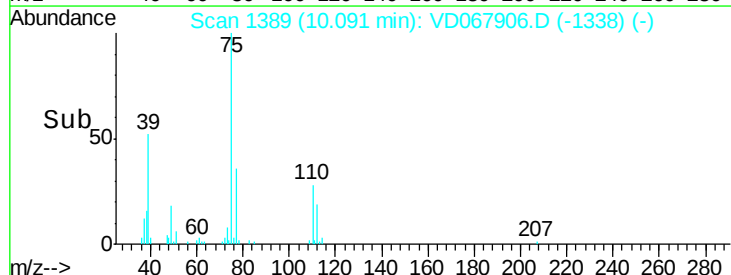
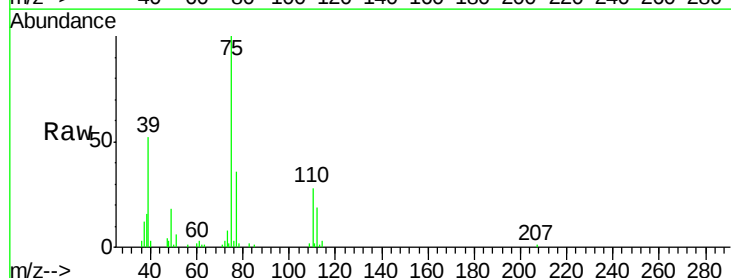
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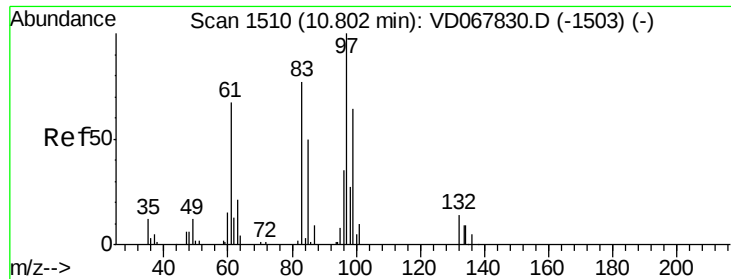
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.074 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.1	26.2	39.2
39	51.8	39.0	58.4





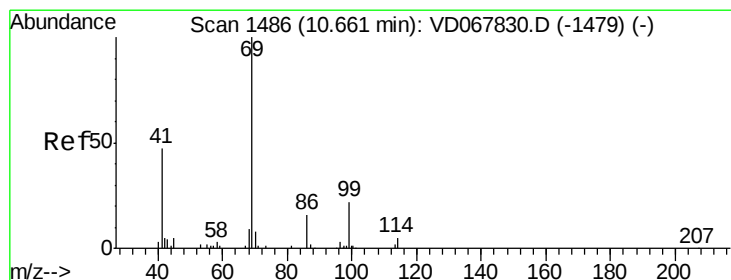
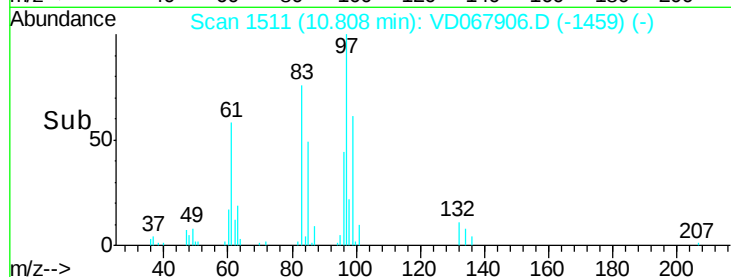
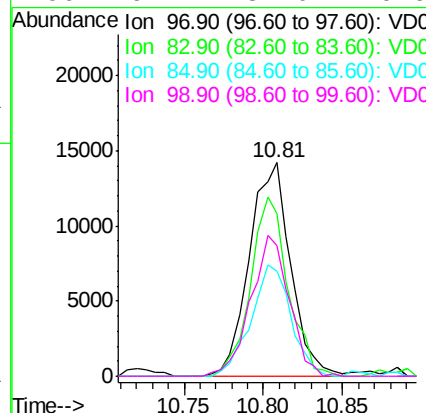
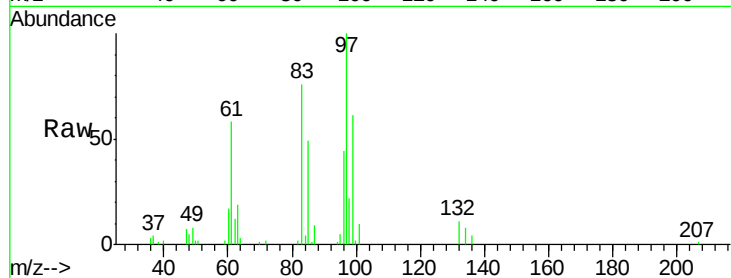
#55
 1,1,2-Trichloroethane
 Concen: 18.083 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion	97	Resp	25678
Ion	Ratio	Lower	Upper
97	100		
83	76.1	61.9	92.9
85	48.9	40.2	60.4
99	61.4	51.0	76.6

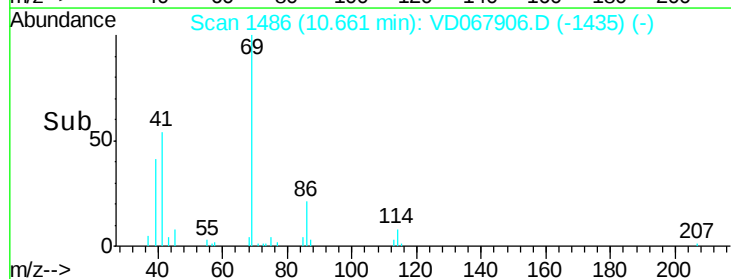
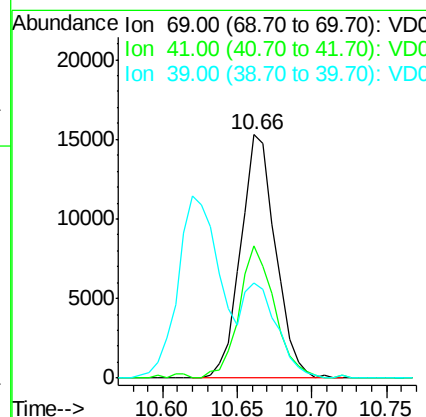
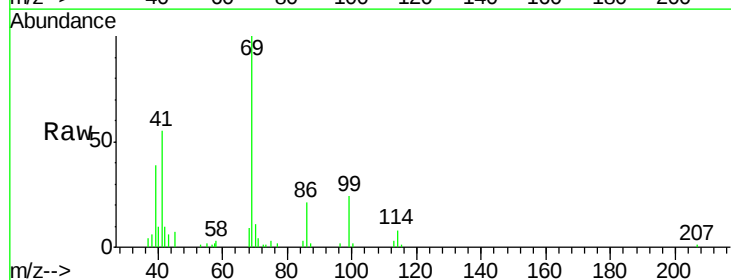
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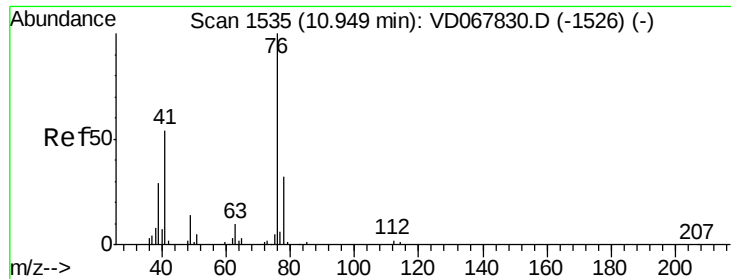
MMDadoda
 12/9/2020 9:29:00 AM



#56
 Ethyl methacrylate
 Concen: 17.147 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion	69	Resp	24774
Ion	Ratio	Lower	Upper
69	100		
41	55.4	42.8	64.2
39	37.4	30.5	45.7





#57

1,3-Dichloropropane

Concen: 17.844 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 76 Resp: 40137

Ion Ratio Lower Upper

76 100

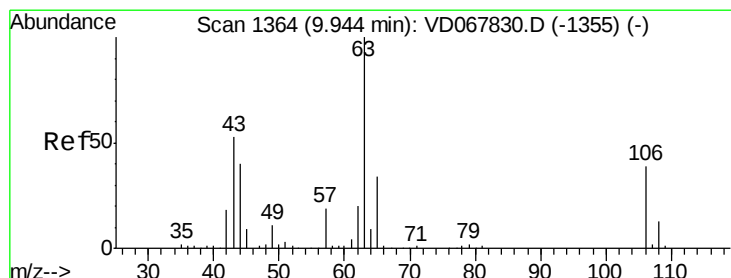
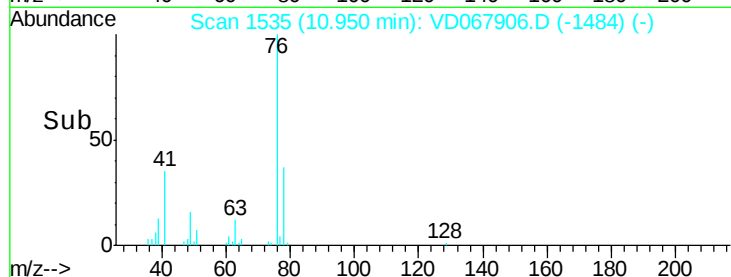
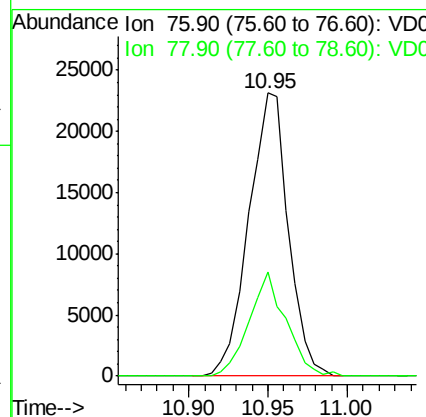
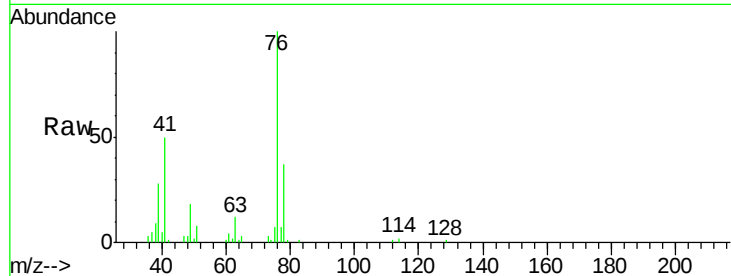
78 34.2 26.6 39.8

Manual Integrations

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MMDadoda

12/9/2020 9:29:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 78.805 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067906.D

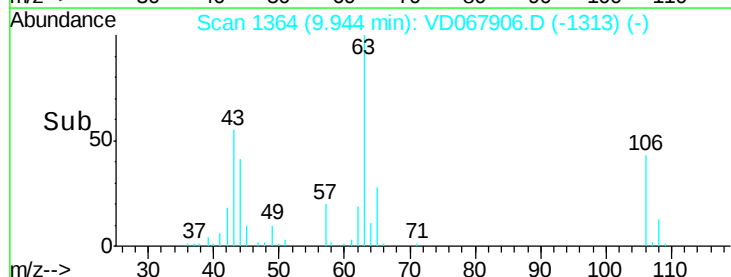
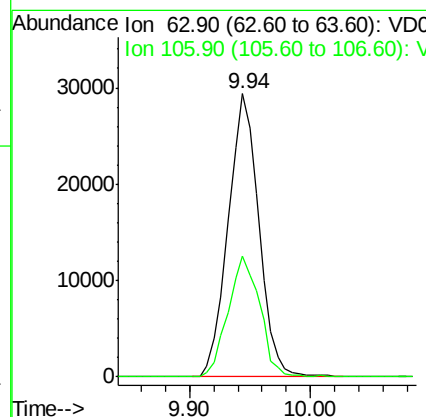
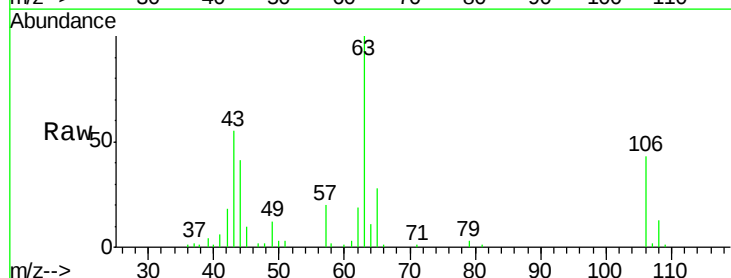
Acq: 08 Dec 2020 10:59

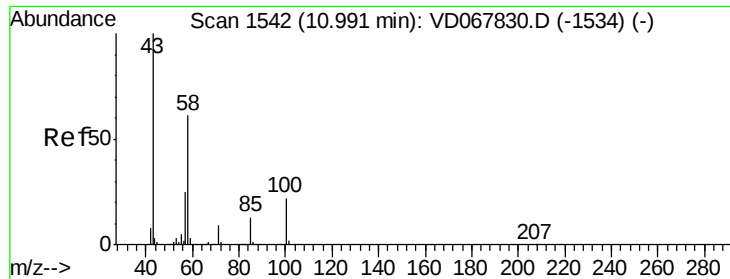
Tgt Ion: 63 Resp: 51809

Ion Ratio Lower Upper

63 100

106 44.0 32.0 48.0





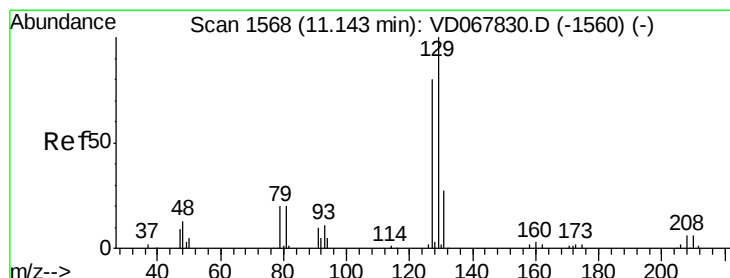
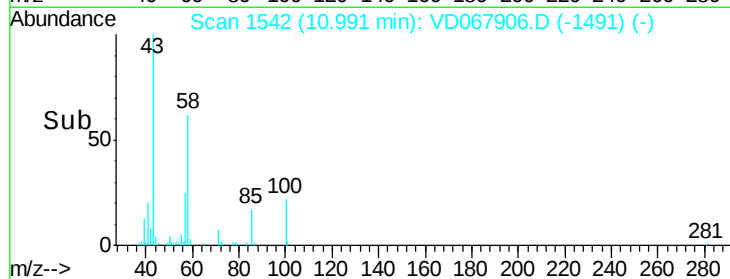
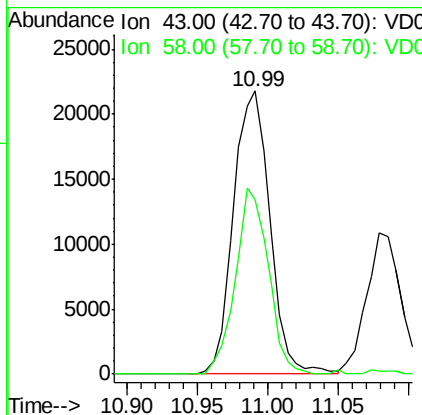
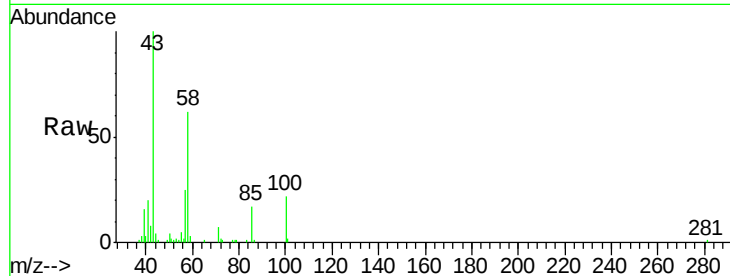
#59
2-Hexanone
Concen: 83.447 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion: 43 Resp: 39235
Ion Ratio Lower Upper
43 100
58 59.3 29.9 89.7

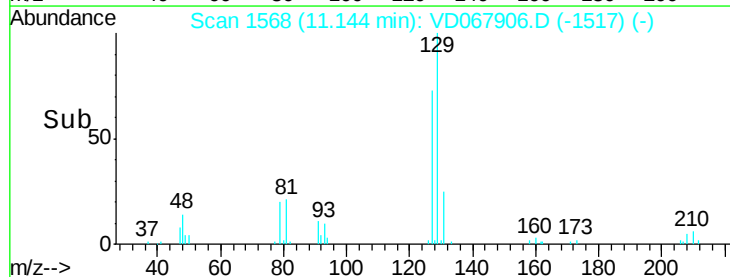
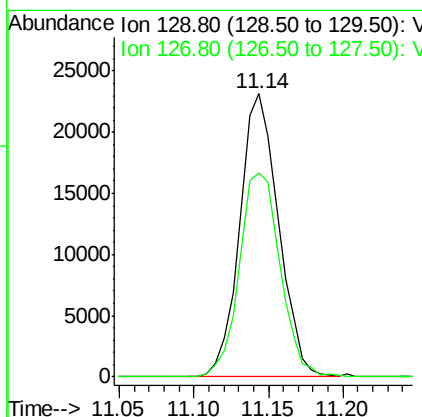
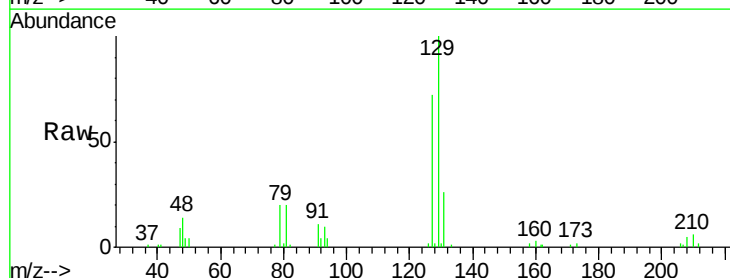
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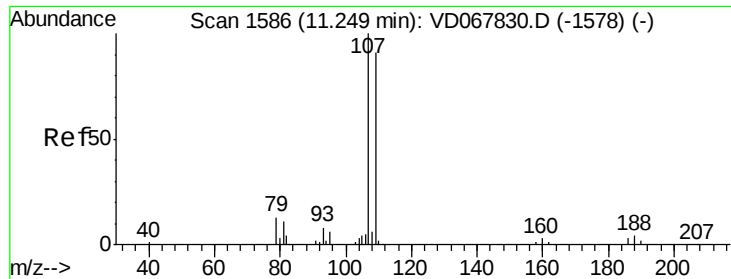
MMDadoda
12/9/2020 9:29:00 AM



#60
Dibromochloromethane
Concen: 19.472 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 129 Resp: 41681
Ion Ratio Lower Upper
129 100
127 76.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.063 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 107 Resp: 26620

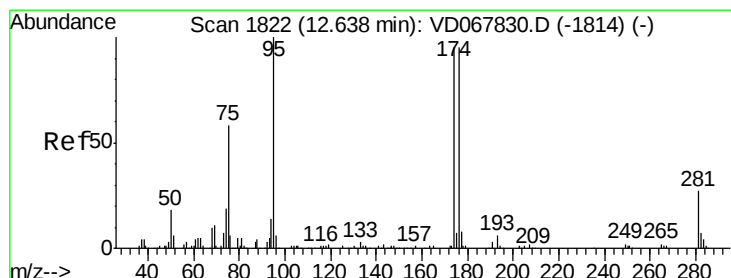
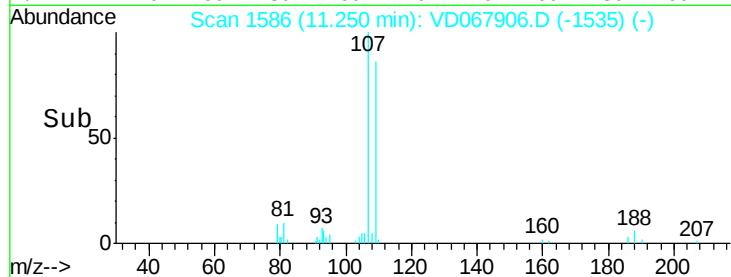
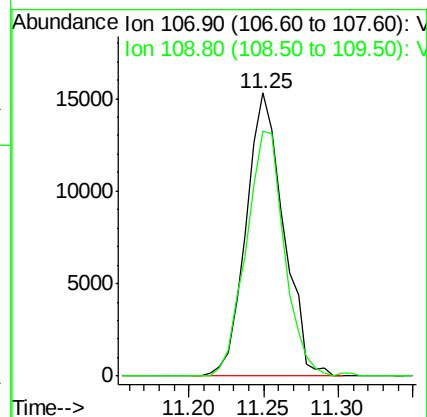
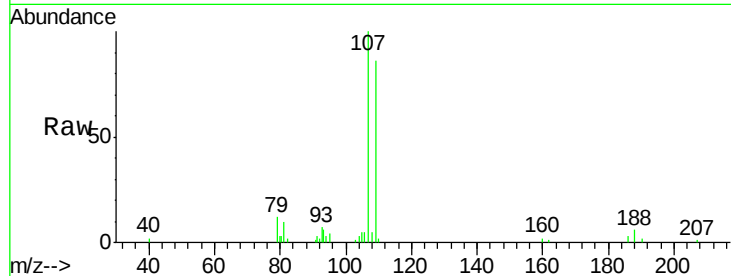
Ion Ratio Lower Upper

107 100

109 87.8 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:29:00 AM



#62

4-Bromofluorobenzene

Concen: 47.760 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

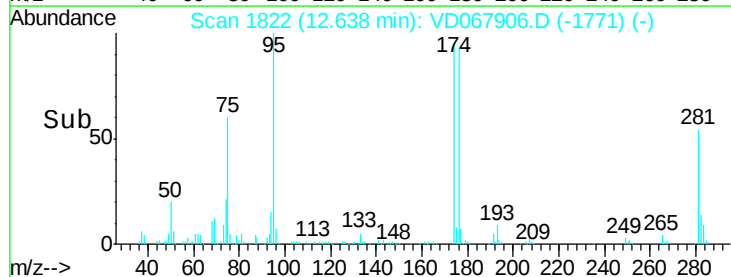
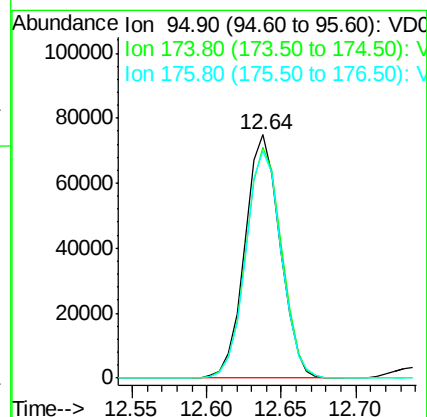
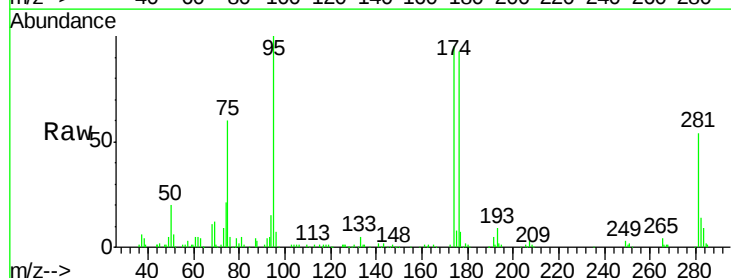
Tgt Ion: 95 Resp: 122094

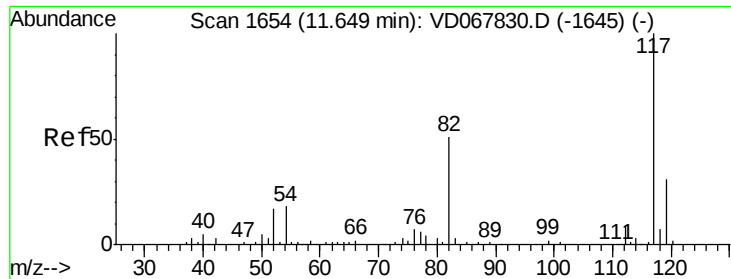
Ion Ratio Lower Upper

95 100

174 96.4 0.0 186.0

176 94.1 0.0 184.2





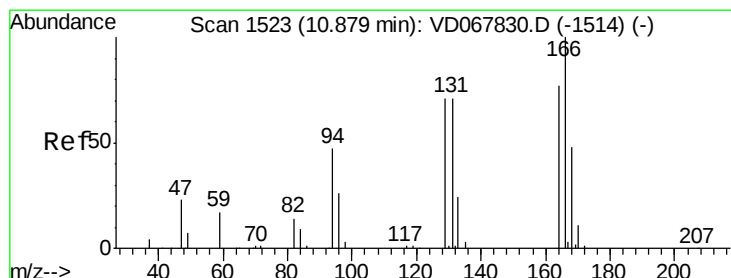
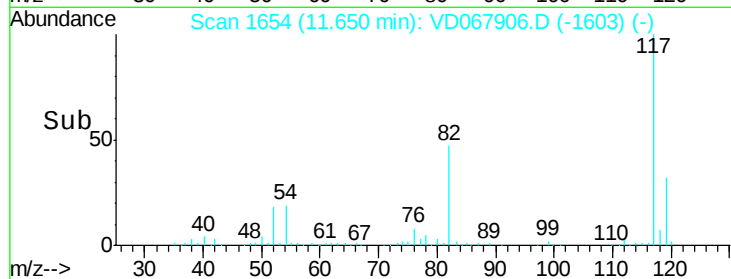
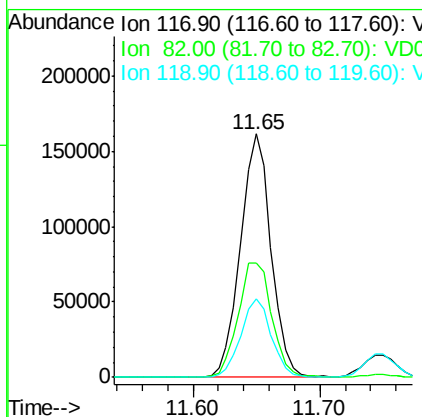
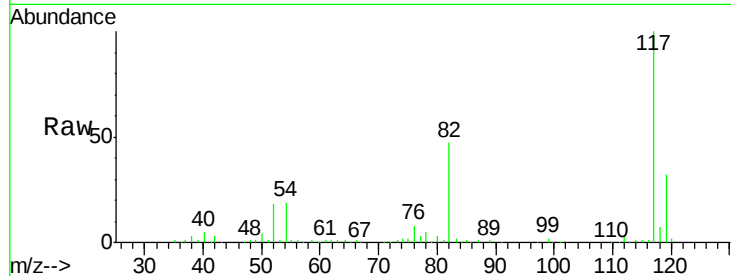
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.8	40.6	60.8
119	32.1	25.1	37.7

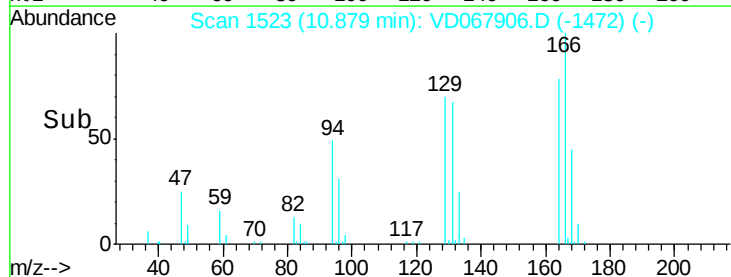
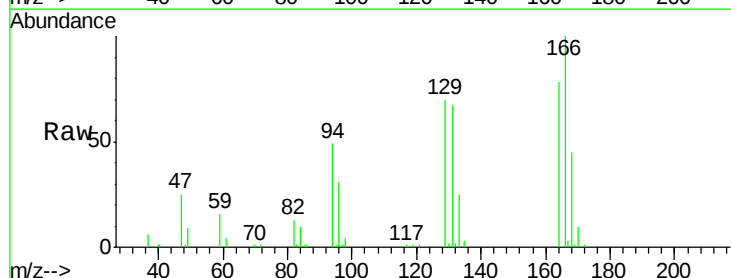
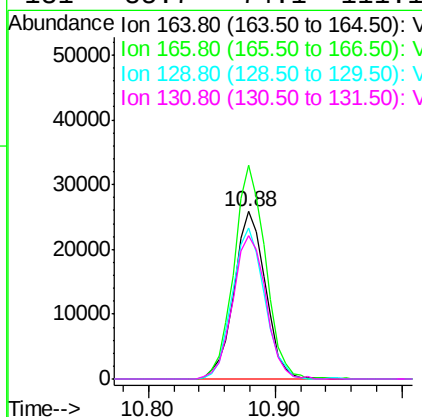
Manual Integrations
APPROVED

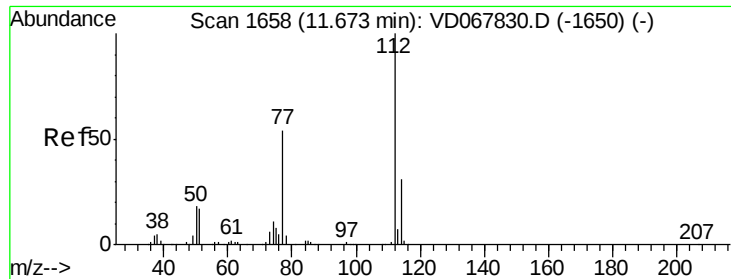
MMDadoda
12/9/2020 9:29:00 AM



#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.8	155.6
129	89.8	73.3	109.9
131	85.7	74.1	111.1





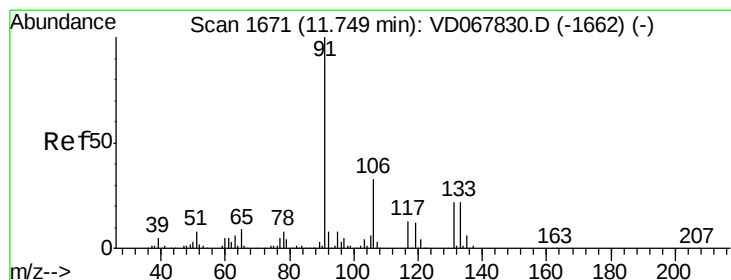
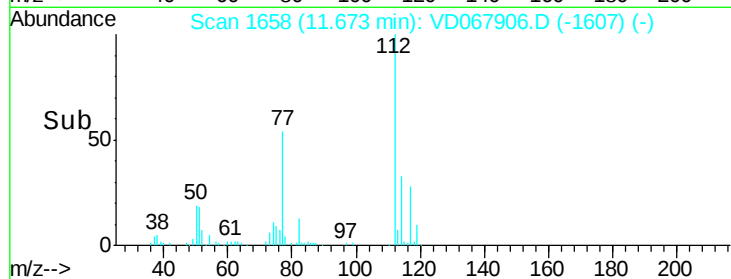
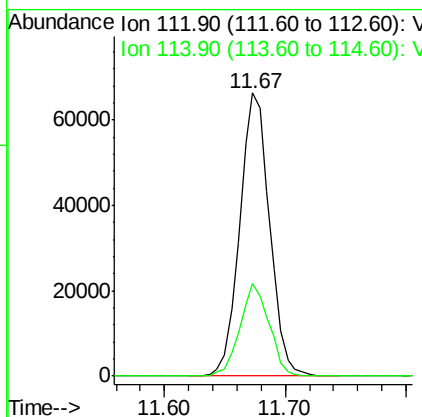
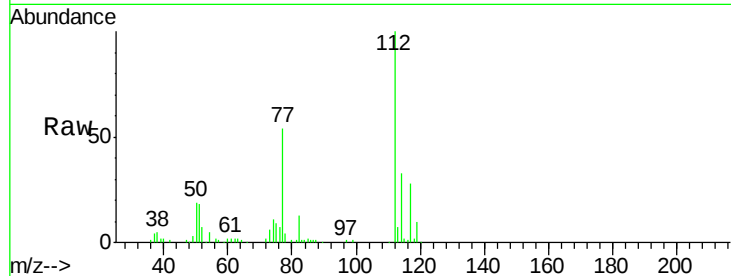
#65
Chlorobenzene
Concen: 20.509 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	114696		
114	32.7	25.0	37.4	

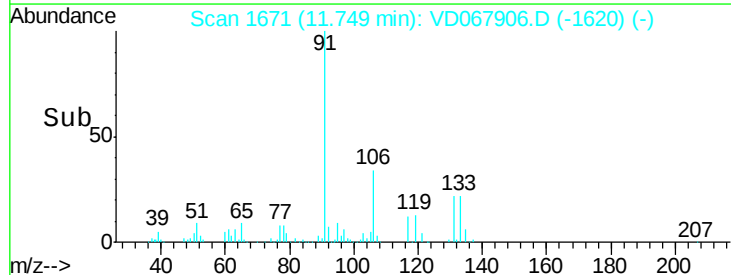
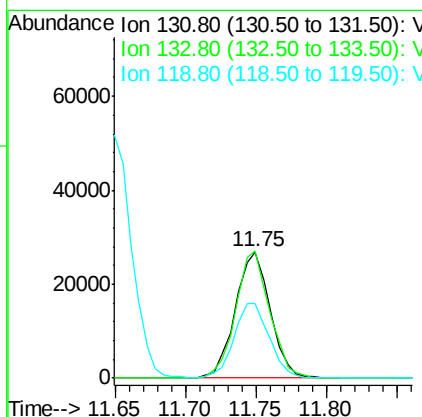
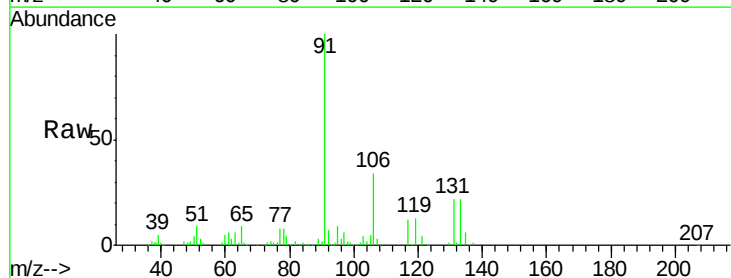
Manual Integrations
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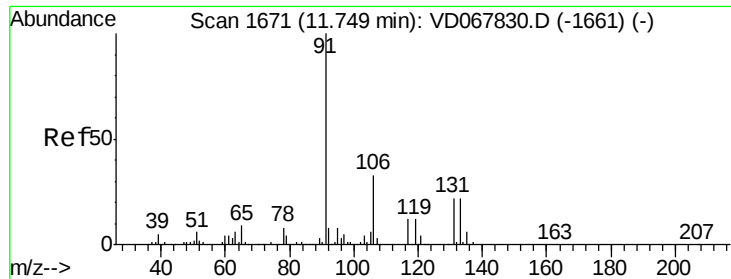
MMDadoda
12/9/2020 9:29:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.370 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	46463		
133	98.0	49.9	149.7	
119	60.2	29.6	88.9	





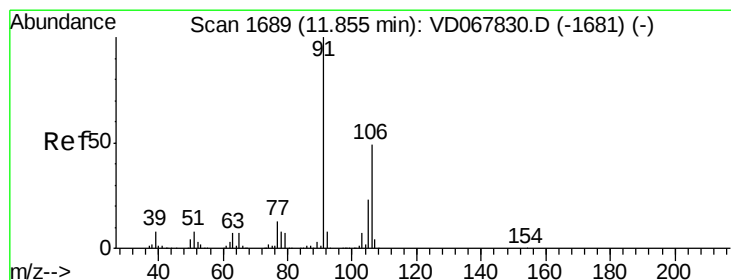
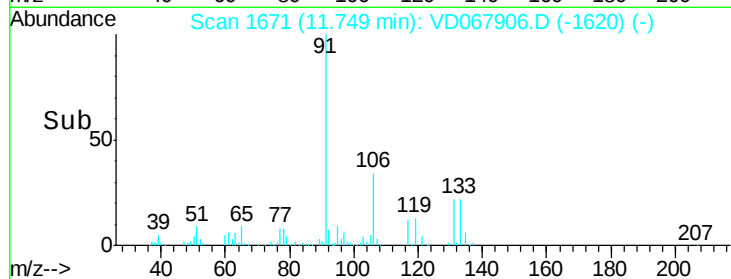
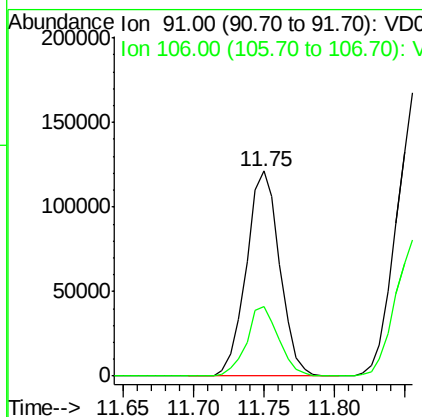
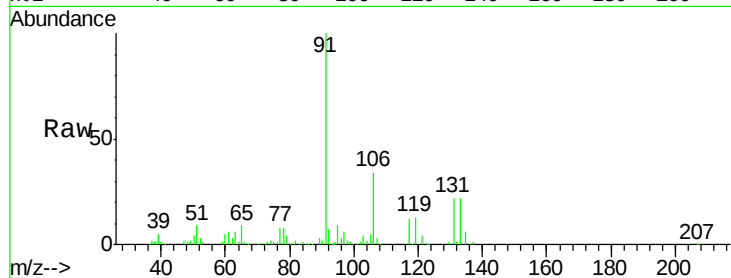
#67
Ethyl Benzene
Concen: 21.180 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	33.8	26.2	39.2	

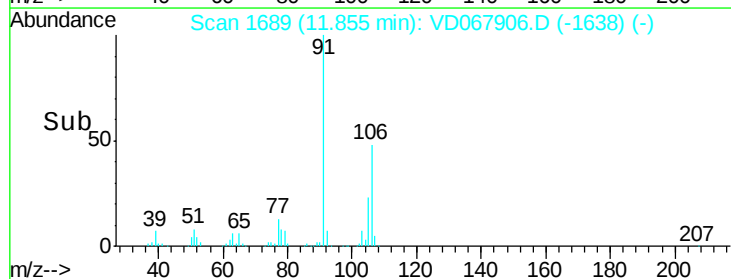
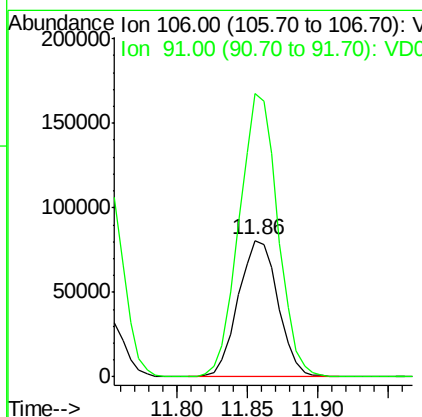
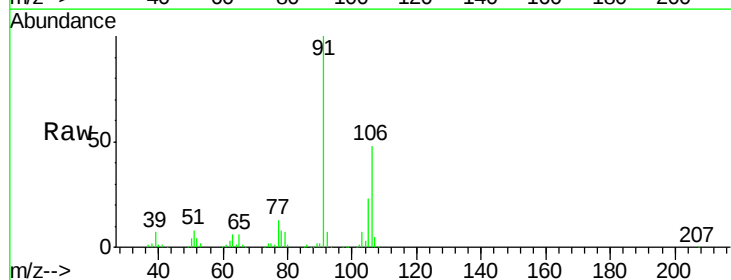
Manual Integrations
APPROVED

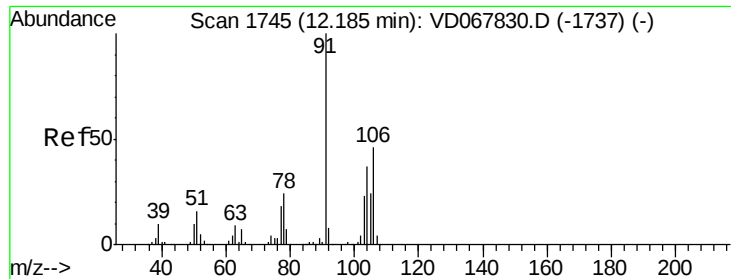
MMDadoda
12/9/2020 9:29:00 AM



#68
m/p-Xylenes
Concen: 42.411 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.4	162.8	244.2	





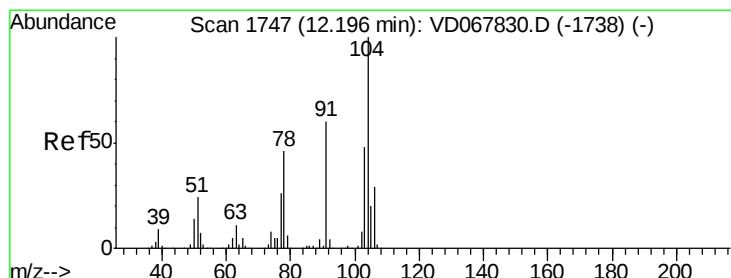
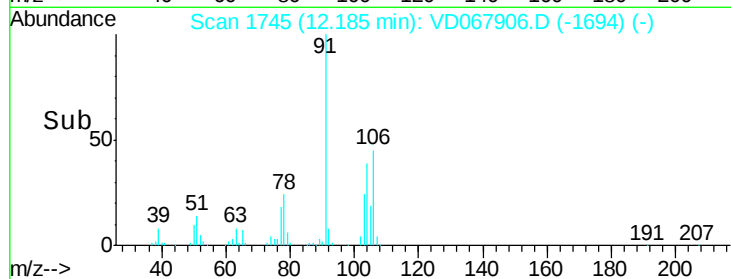
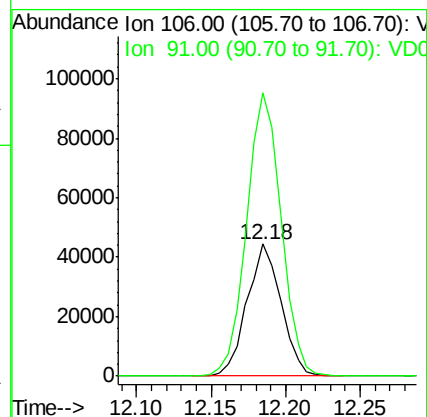
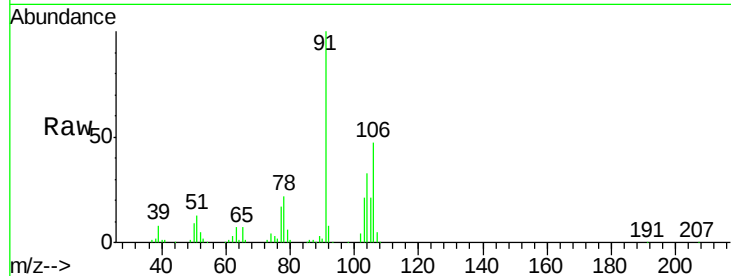
#69
o-Xylene
Concen: 21.103 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.5	107.5	322.5

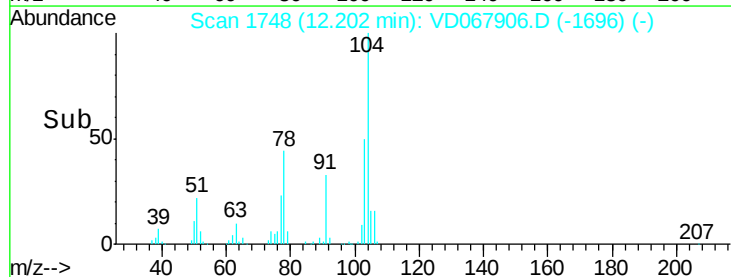
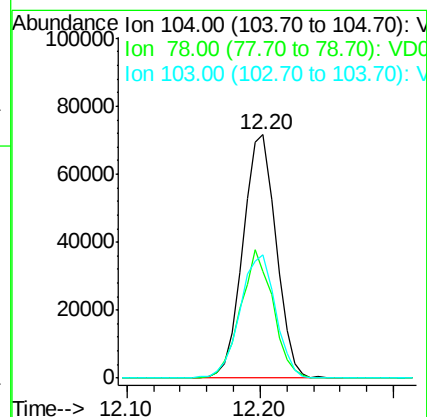
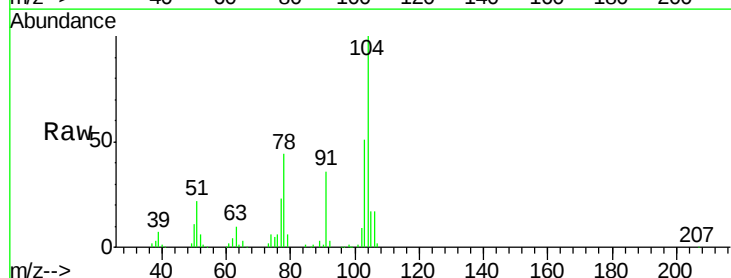
Manual Integrations
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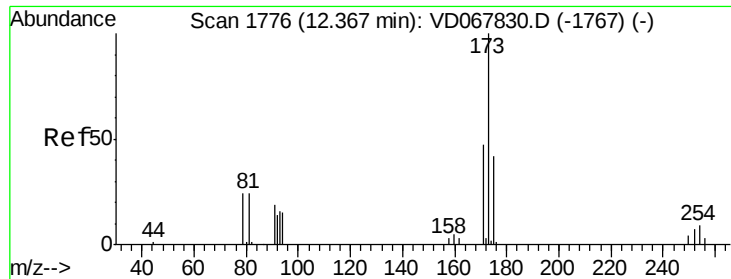
MMDadoda
12/9/2020 9:29:00 AM



#70
Styrene
Concen: 21.186 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.6	62.4
103	54.5	43.2	64.8





#71

Bromoform

Concen: 18.982 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

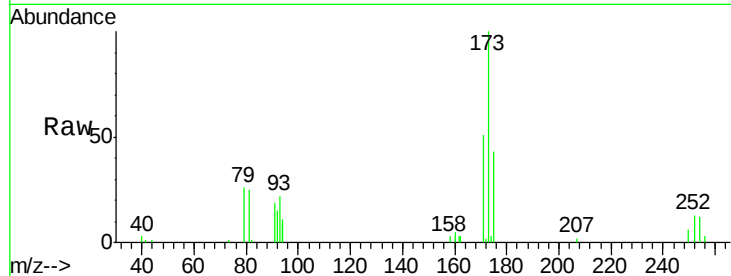
ClientSampleId :

VD1208SBS01

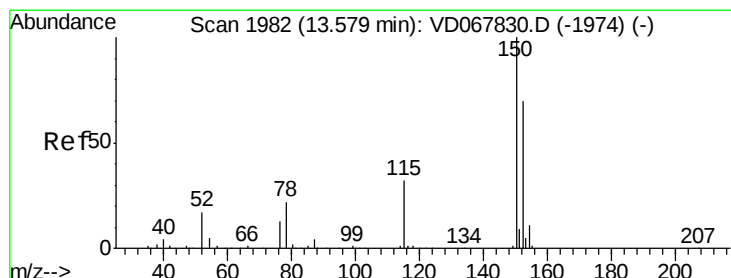
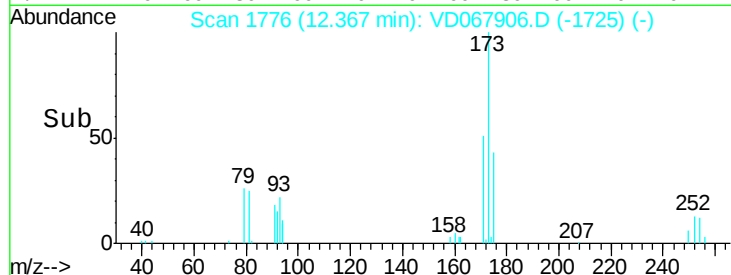
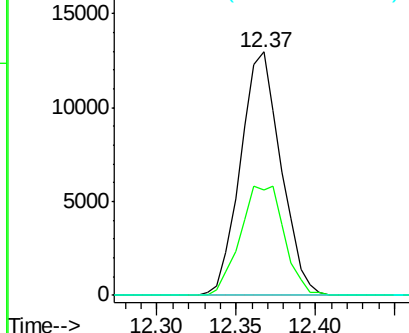
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.4	70.3
254	0.0	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

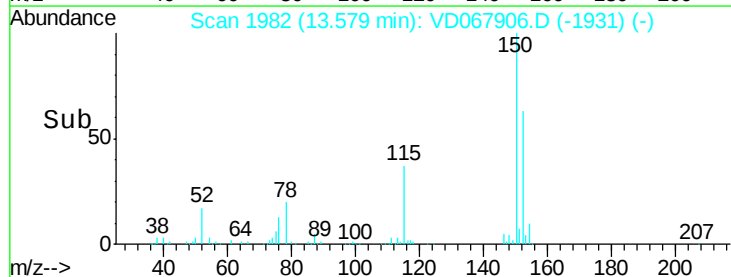
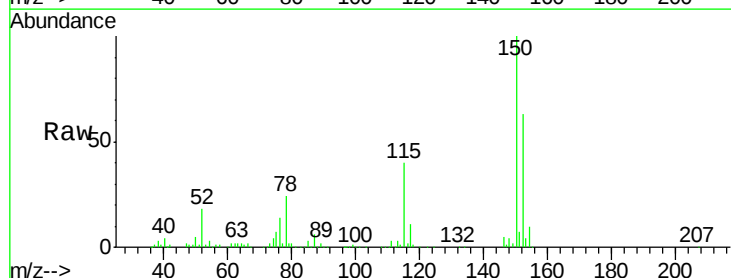
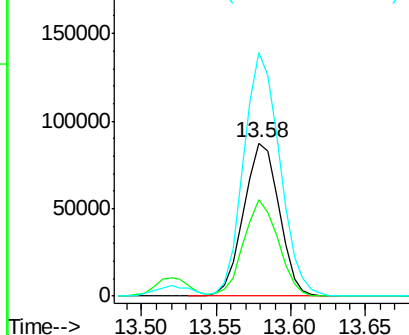
Delta R.T. 0.00 min

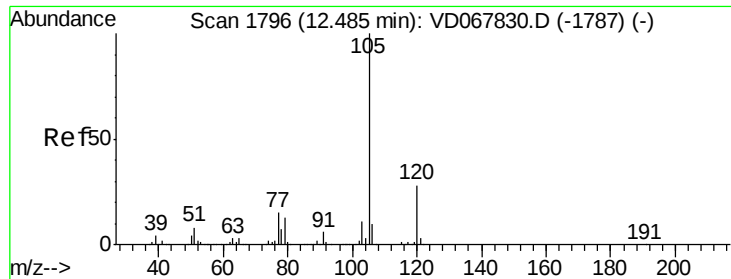
Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	29.1	87.4
150	161.9	0.0	339.0

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





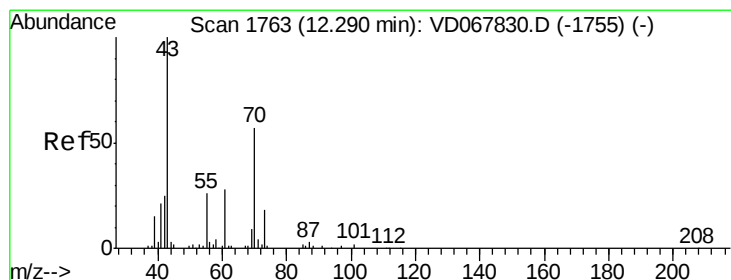
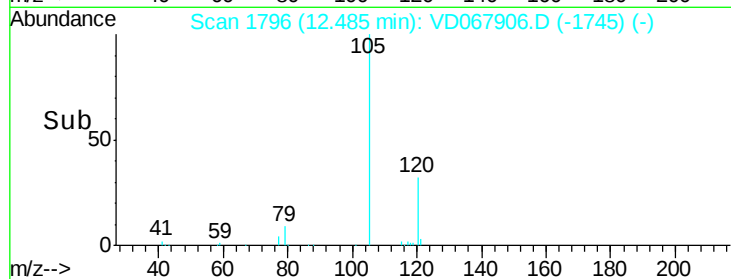
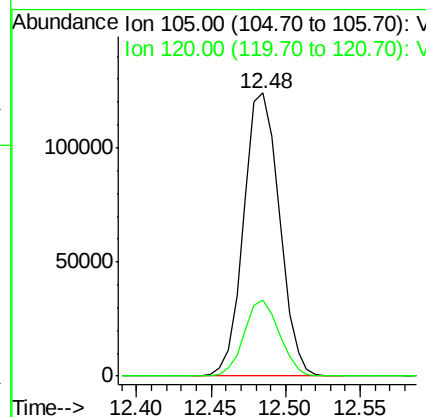
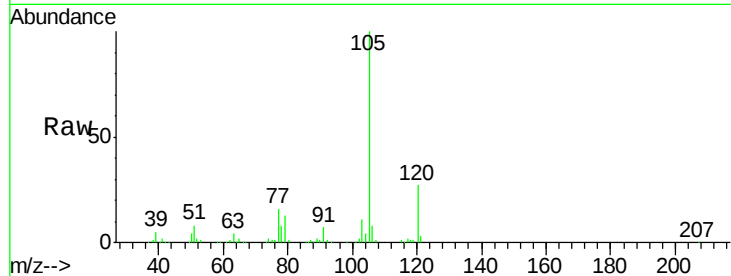
#73
Isopropylbenzene
Concen: 20.809 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	206297		
120	26.6	13.9	41.6	

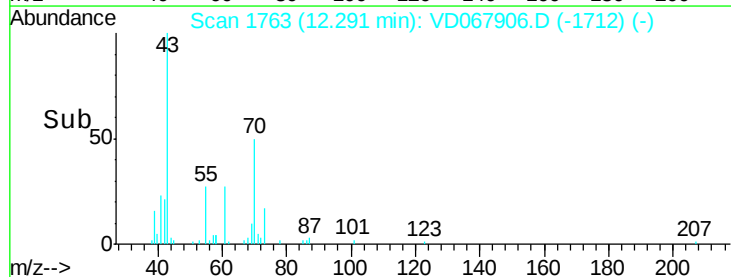
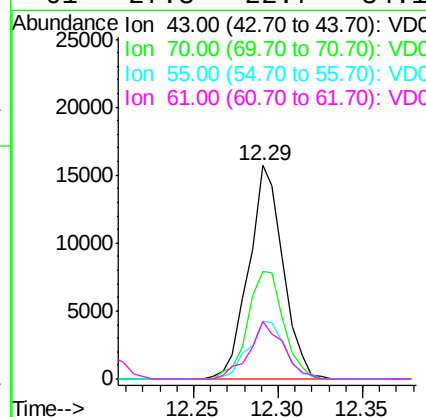
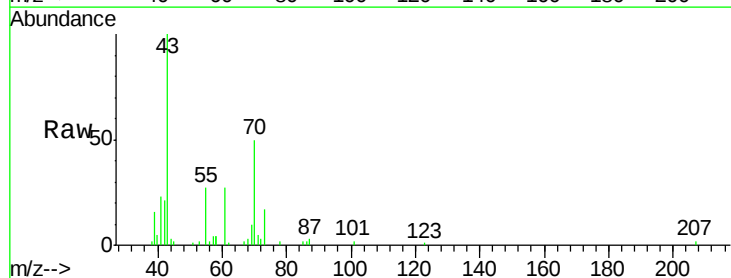
Manual Integrations
APPROVED

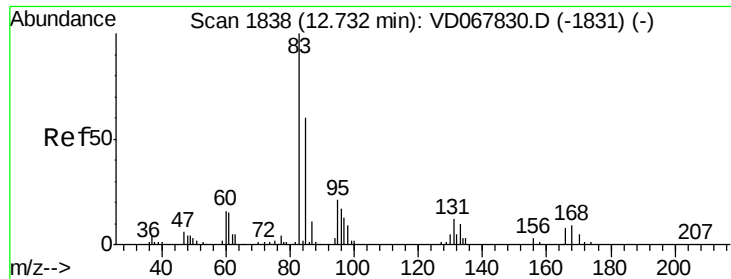
MMDadoda
12/9/2020 9:29:00 AM



#74
N-ethyl acetate
Concen: 18.086 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	22178		
70	52.5	44.6	66.8	
55	28.7	22.2	33.2	
61	27.3	22.7	34.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.500 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

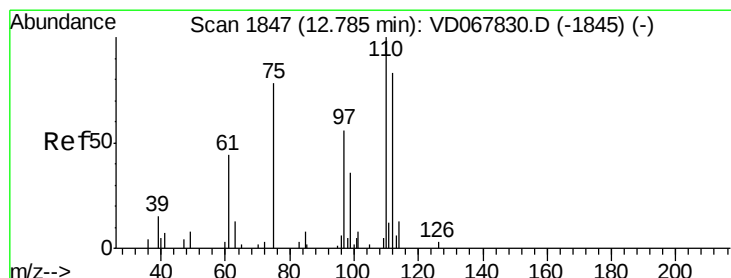
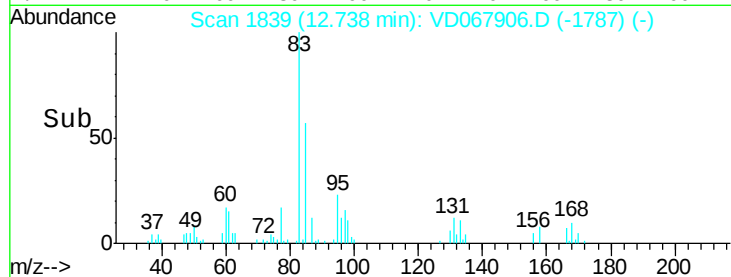
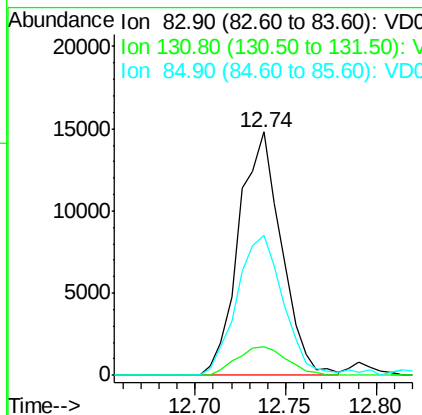
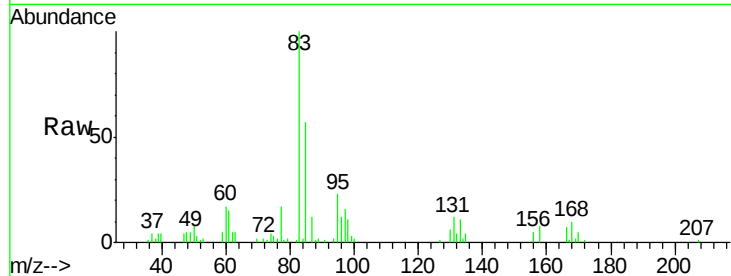
ClientSampleId :

VD1208SBS01

Tot Ion:	83	Resp:	24213
Ion Ratio	Lower	Upper	
83	100		
131	13.7	8.0	24.0
85	62.6	31.7	95.1

Manual Integrations
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MMDadoda
12/9/2020 9:29:00 AM



#76

1,2,3-Trichloropropane

Concen: 19.035 ug/l m

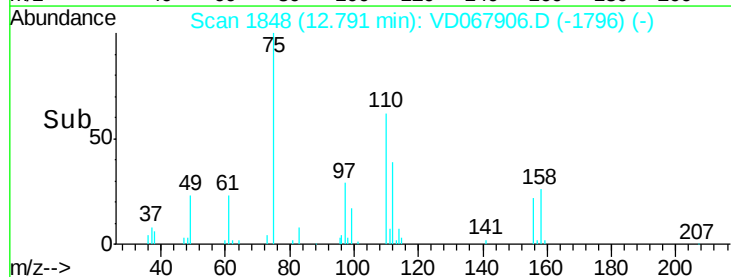
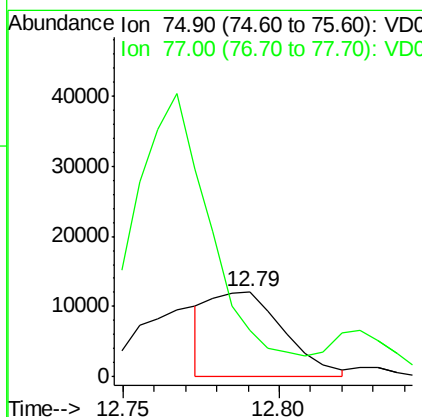
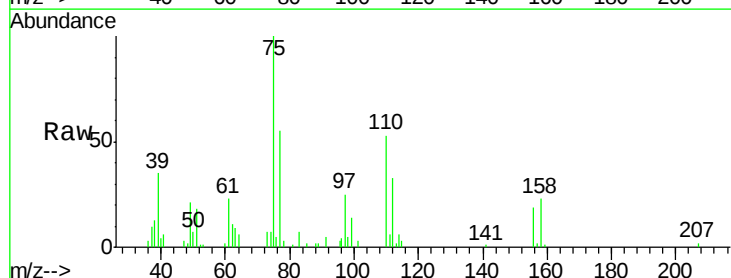
RT: 12.79 min Scan# 1848

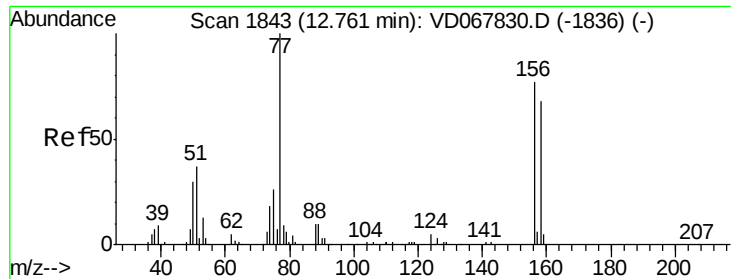
Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Tgt Ion:	75	Resp:	19983
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.9	527.7#





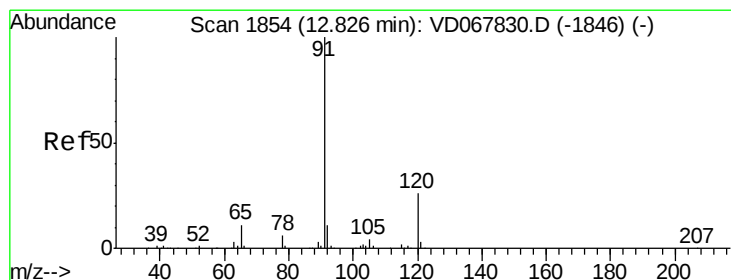
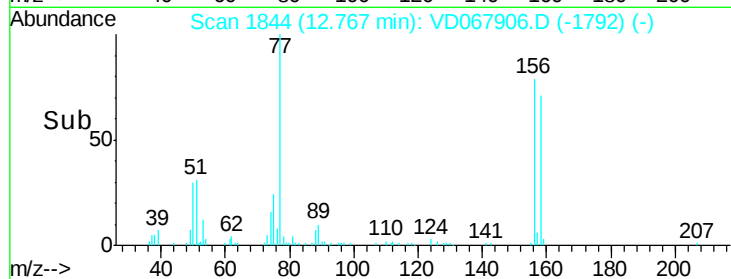
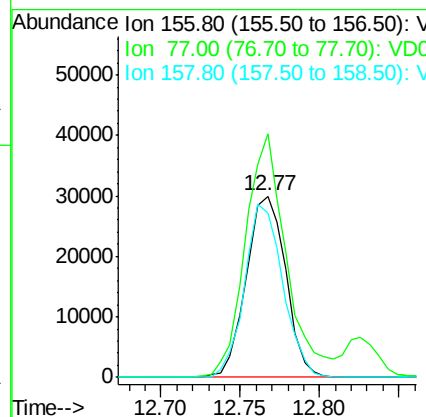
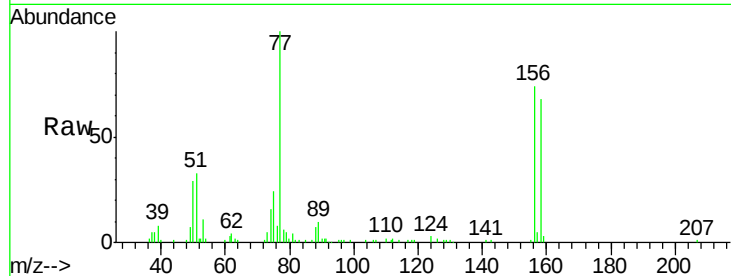
#77
Bromobenzene
Concen: 21.028 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	139.2	71.5	214.5
158	92.5	47.1	141.4

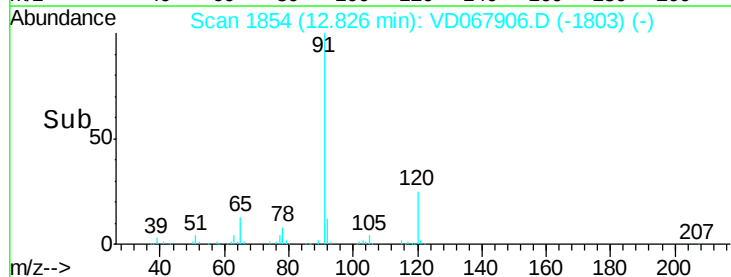
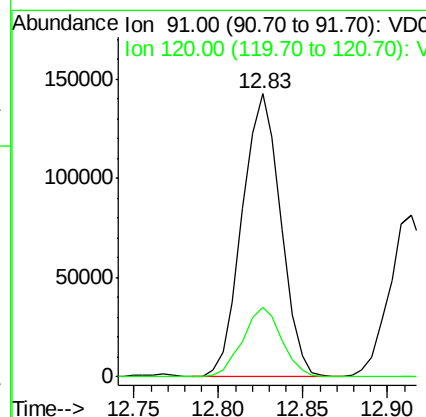
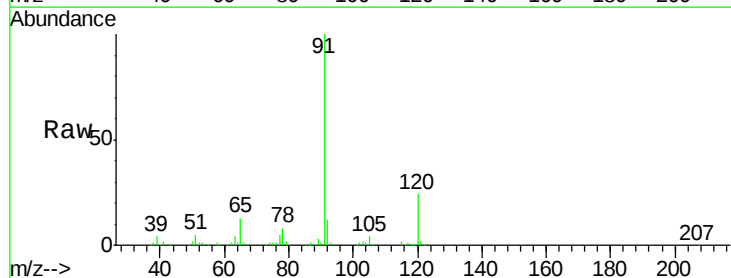
Manual Integrations
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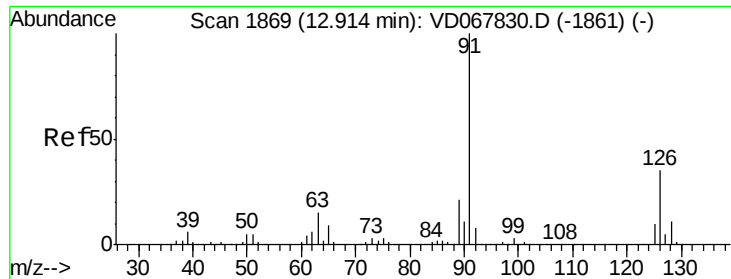
MMDadoda
12/9/2020 9:29:00 AM



#78
n-propylbenzene
Concen: 20.684 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.7	38.0





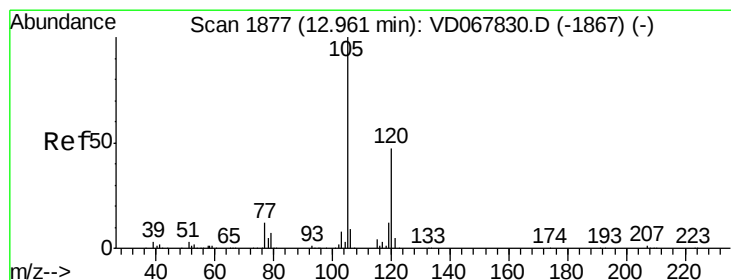
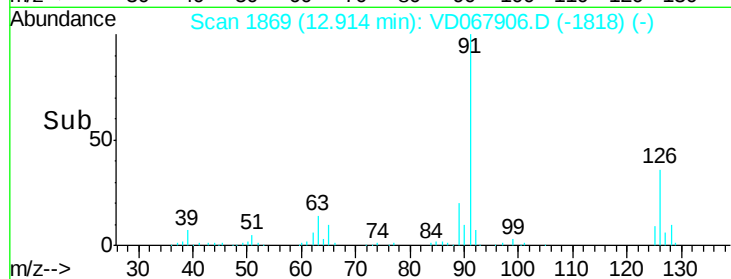
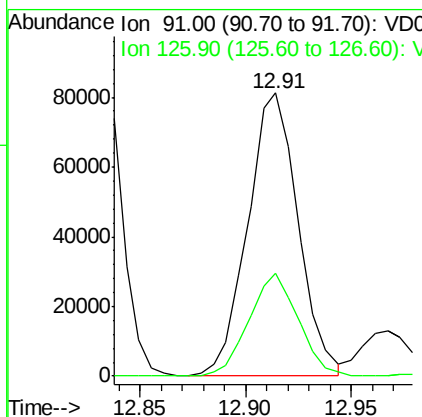
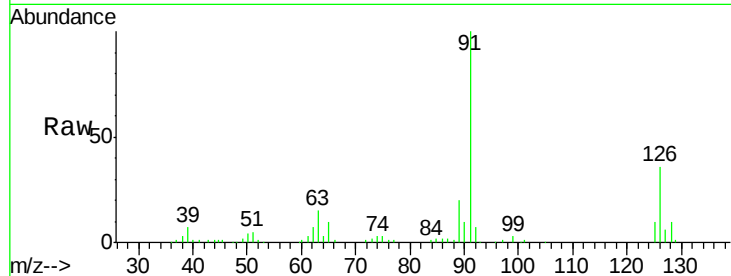
#79
 2-Chlorotoluene
 Concen: 20.901 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion: 91 Resp: 135107
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.7

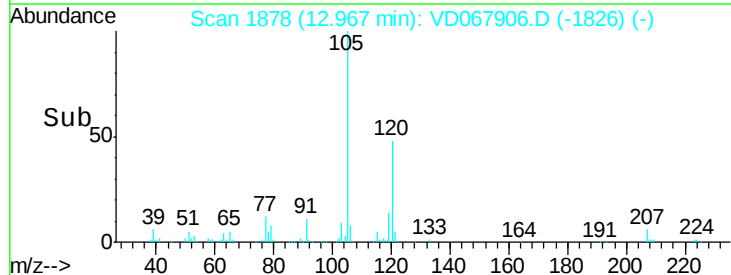
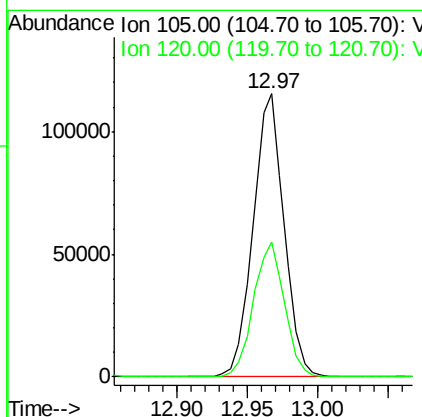
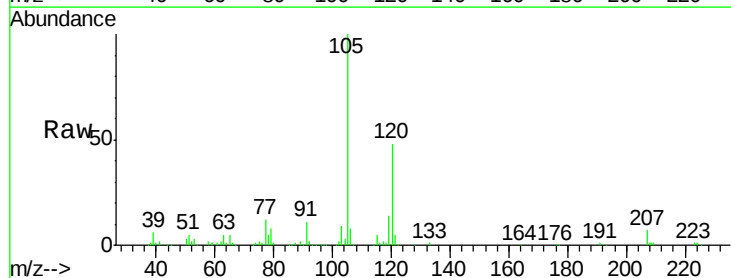
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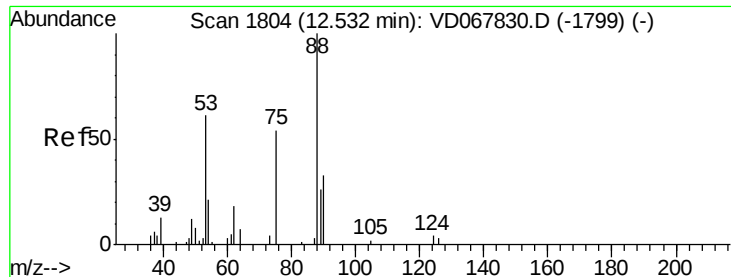
MMDadoda
 12/9/2020 9:29:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.680 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion: 105 Resp: 177504
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9





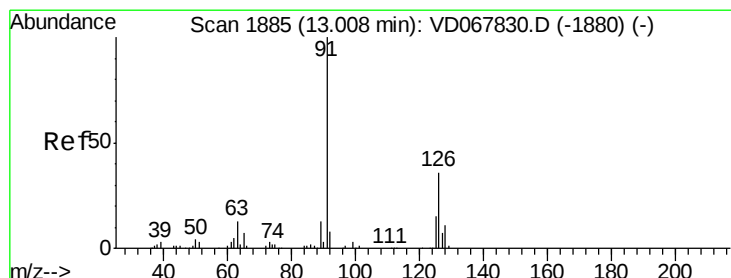
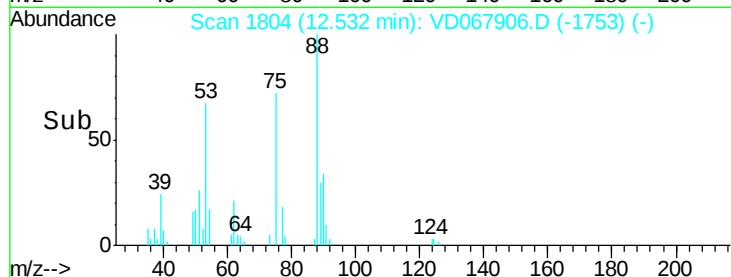
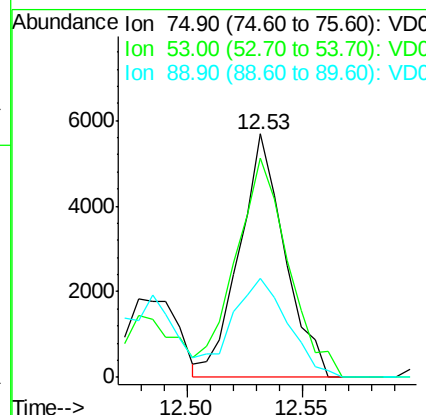
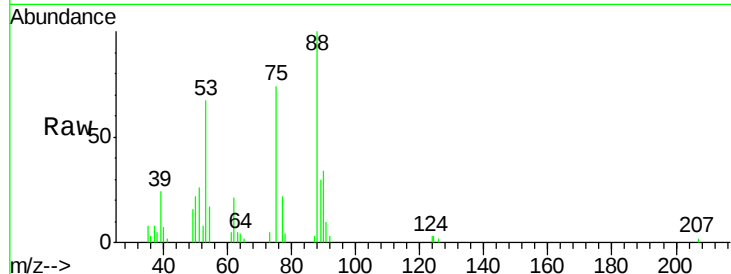
#81
trans-1,4-Dichloro-2-butene
Concen: 17.764 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.3	84.6	127.0
89	50.7	41.0	61.6

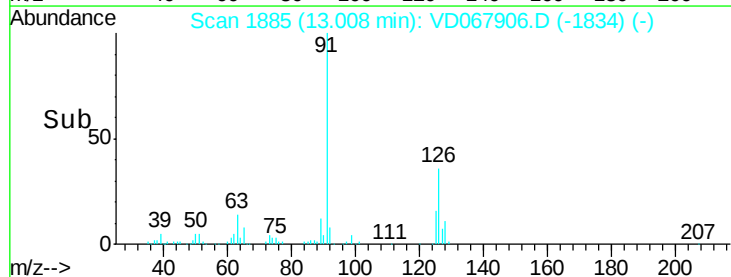
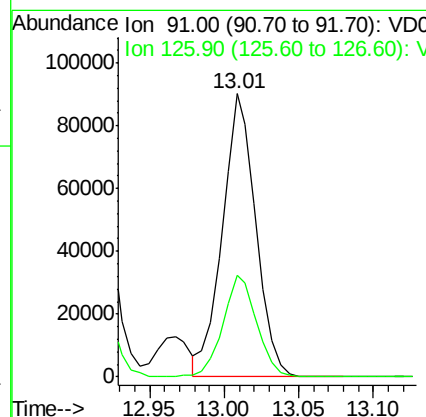
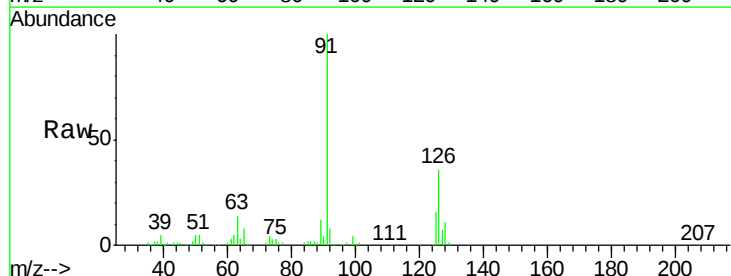
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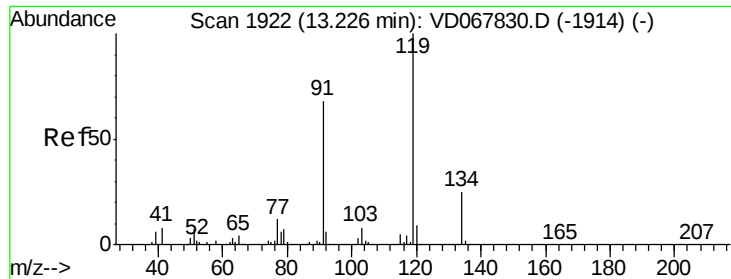
MMDadoda
12/9/2020 9:29:00 AM



#82
4-Chlorotoluene
Concen: 20.445 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.1	54.4





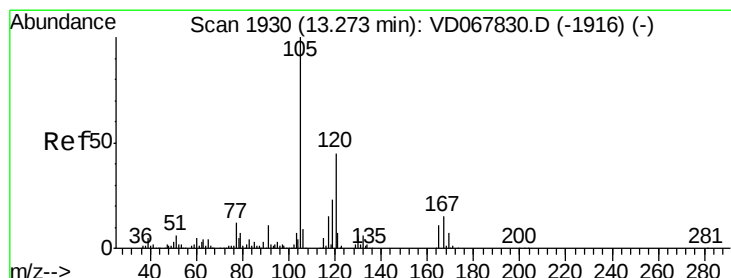
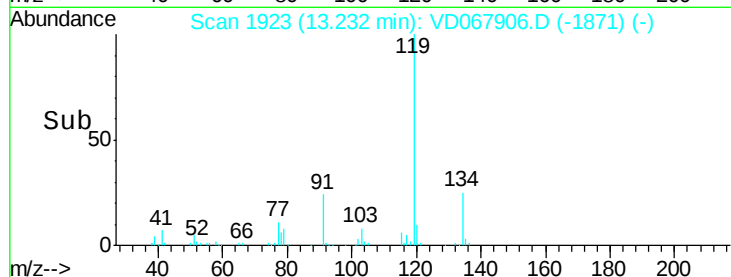
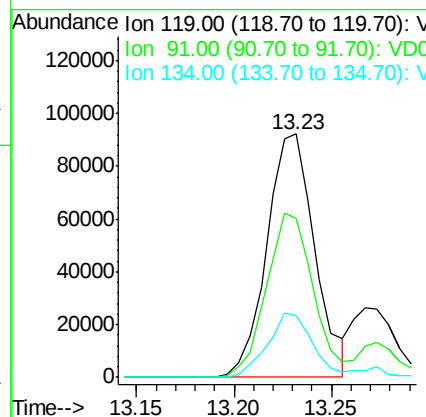
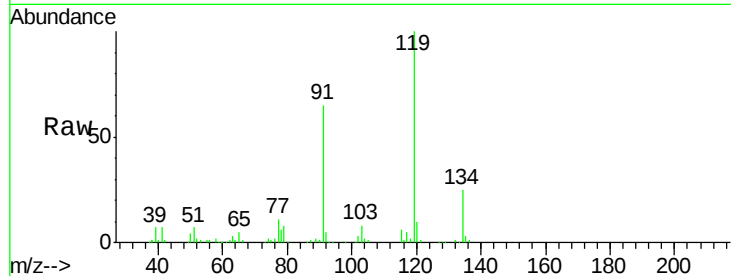
#83
tert-Butylbenzene
Concen: 21.467 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	156796		
91	65.7	33.1	99.3	
134	24.7	13.6	40.8	

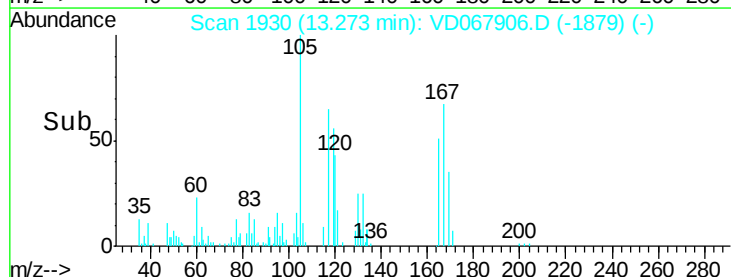
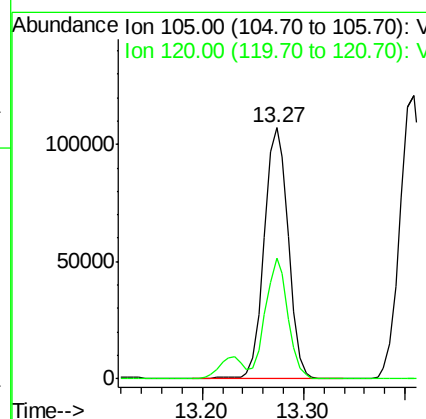
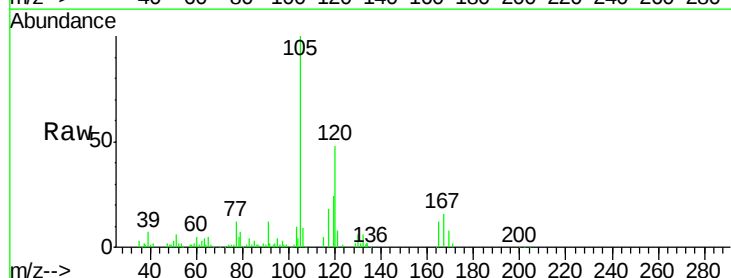
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APPROVED

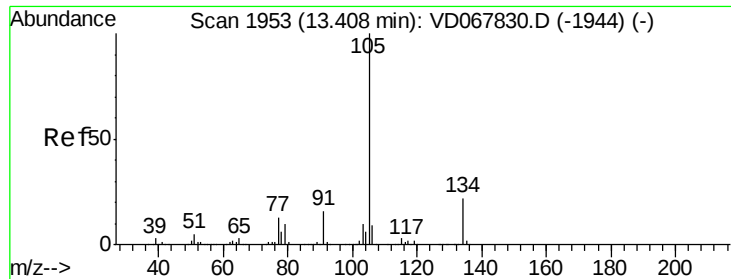
MMDadoda
12/9/2020 9:29:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.839 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	177862		
120	45.1	22.1	66.5	





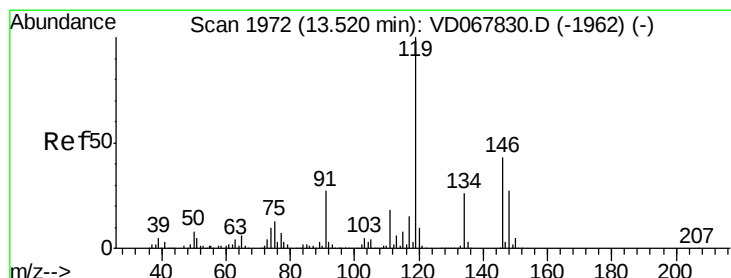
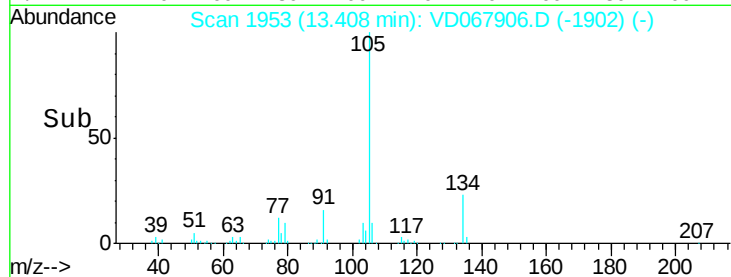
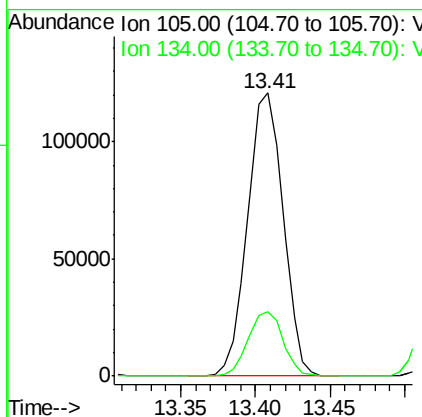
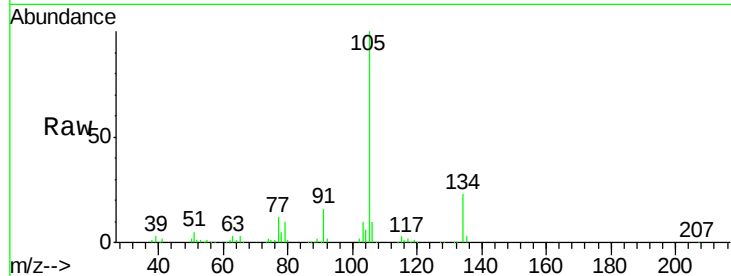
#85
 sec-Butylbenzene
 Concen: 20.443 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	199290		
134	22.2	10.9	32.9	

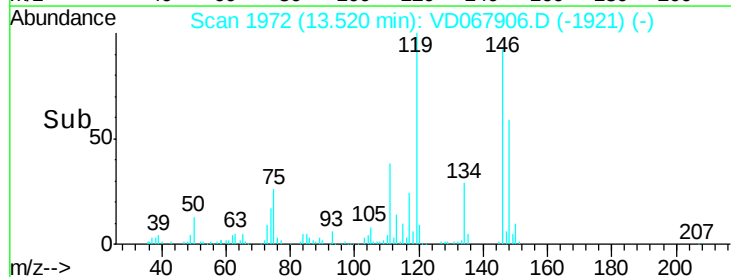
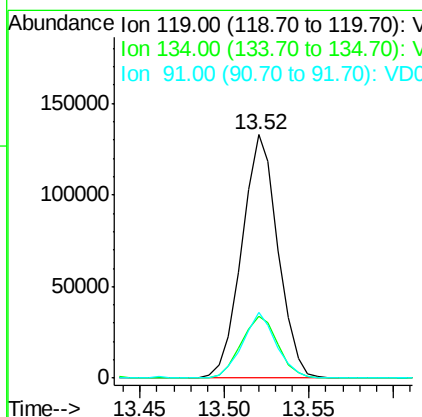
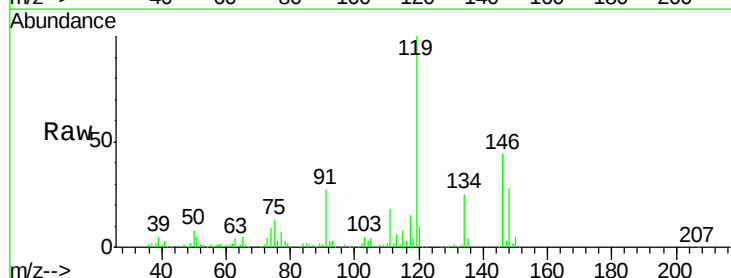
Manual Integrations
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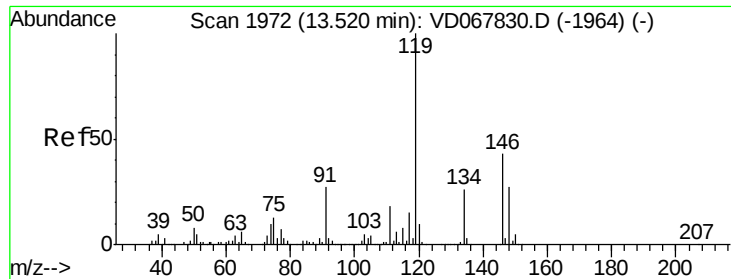
MMDadoda
 12/9/2020 9:29:00 AM



#86
 p-Isopropyltoluene
 Concen: 20.733 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	198093		
134	26.0	13.1	39.3	
91	25.3	12.8	38.3	





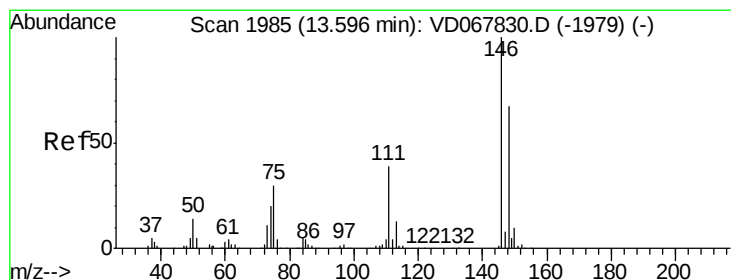
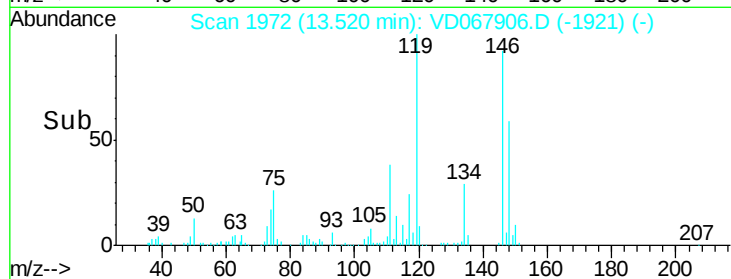
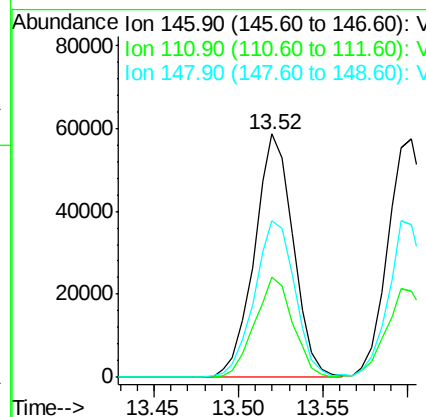
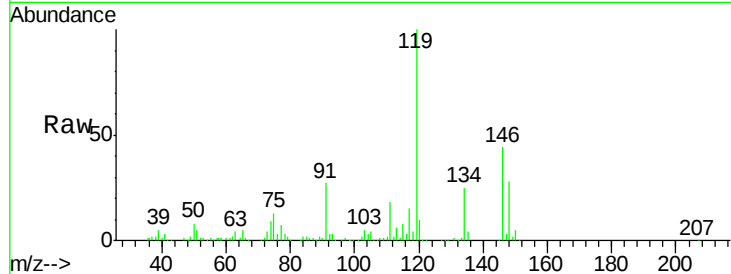
#87
 1,3-Dichlorobenzene
 Concen: 19.675 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	67.2	32.9	98.6

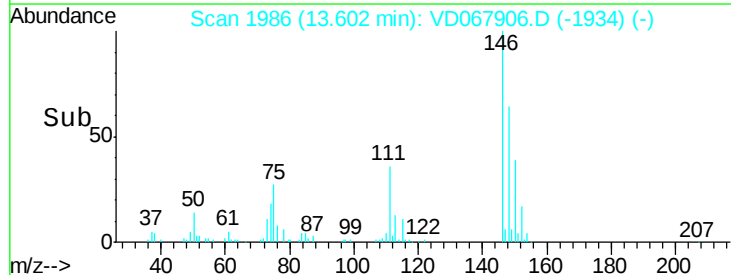
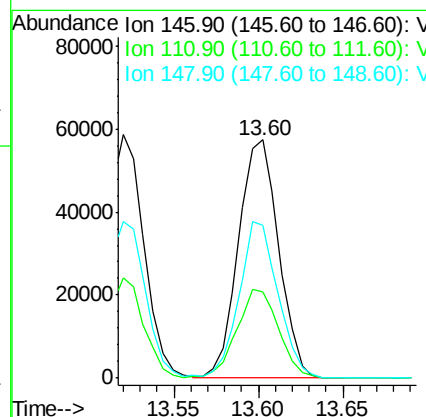
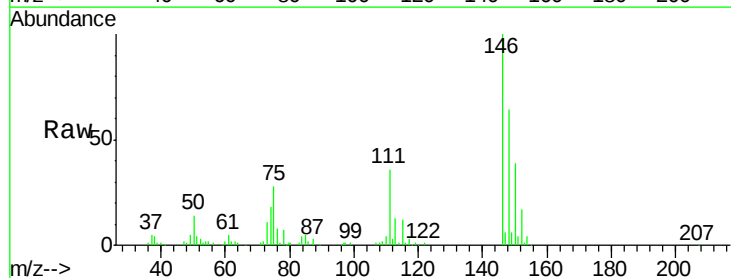
Manual Integrations
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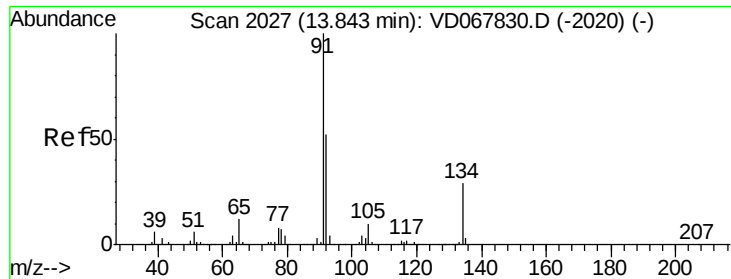
MMDadoda
 12/9/2020 9:29:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.988 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.6
148	63.6	32.4	97.2





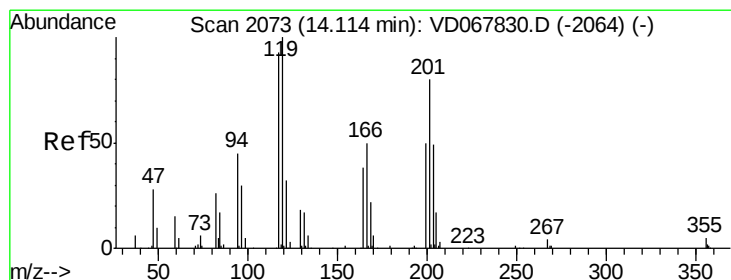
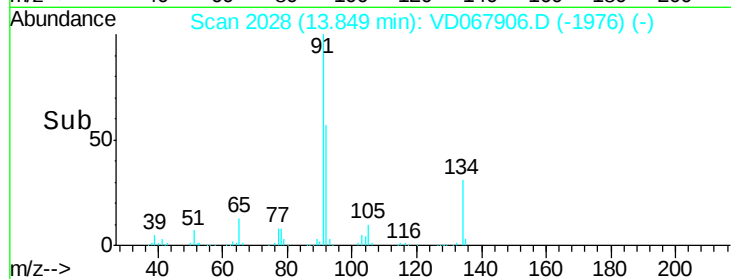
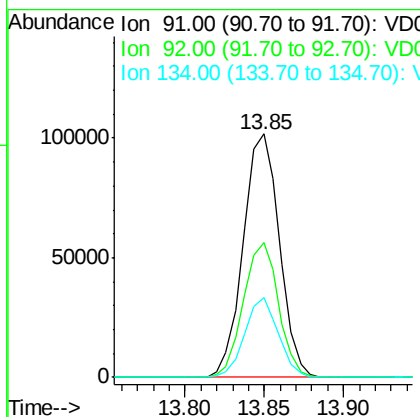
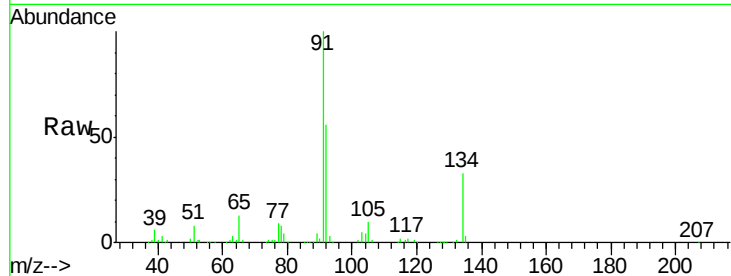
#89
n-Butylbenzene
Concen: 20.323 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	161319		
92	53.6	26.3	78.8	
134	30.3	14.8	44.3	

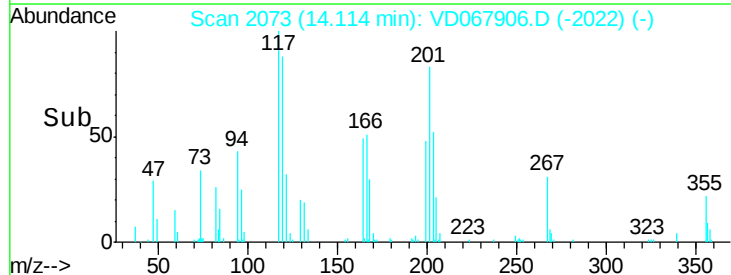
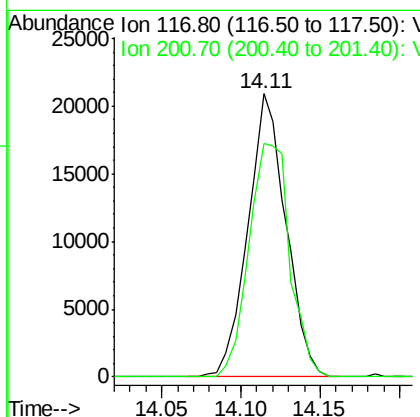
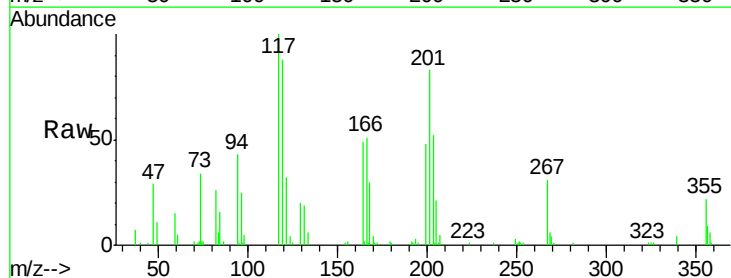
Manual Integrations
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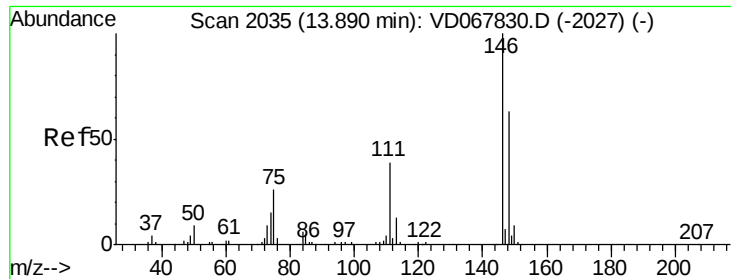
MMDadoda
12/9/2020 9:29:00 AM



#90
Hexachloroethane
Concen: 19.704 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34757		
201	88.7	43.9	131.6	





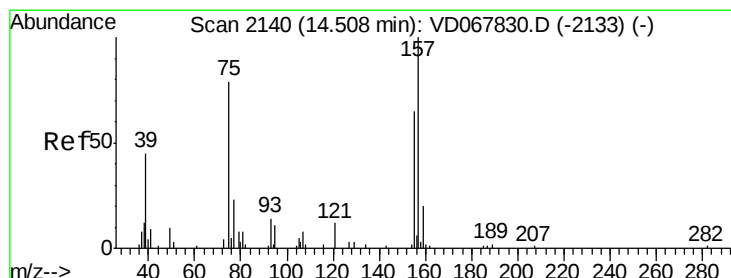
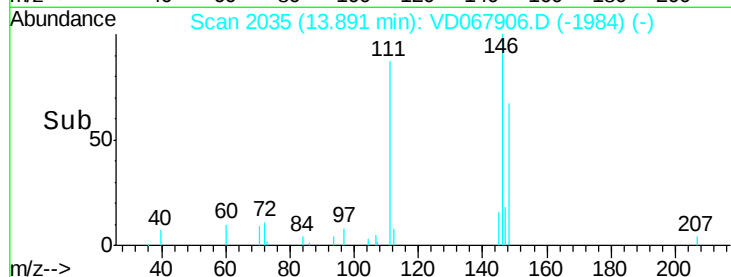
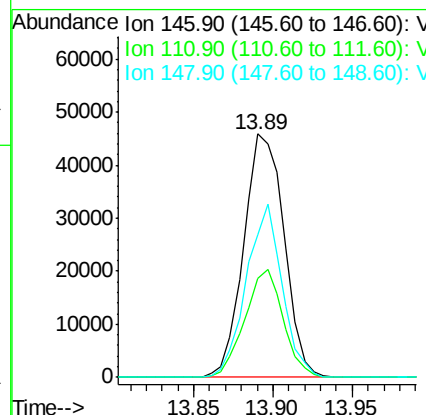
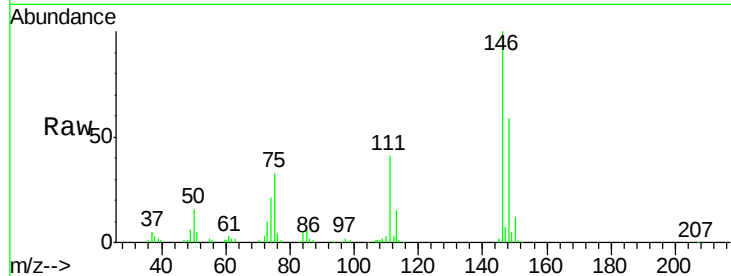
#91
 1,2-Dichlorobenzene
 Concen: 19.675 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.4	61.2
148	63.2	32.1	96.3

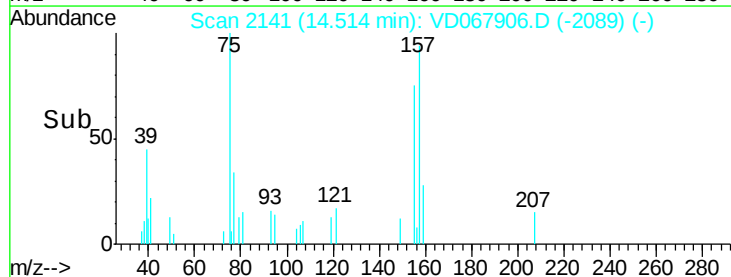
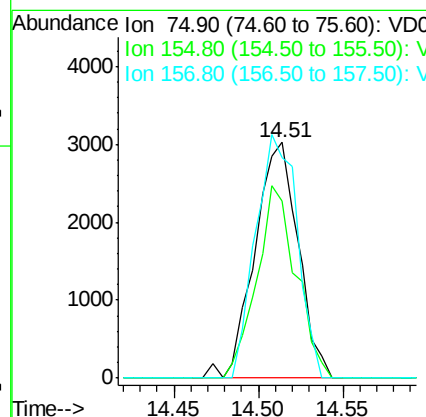
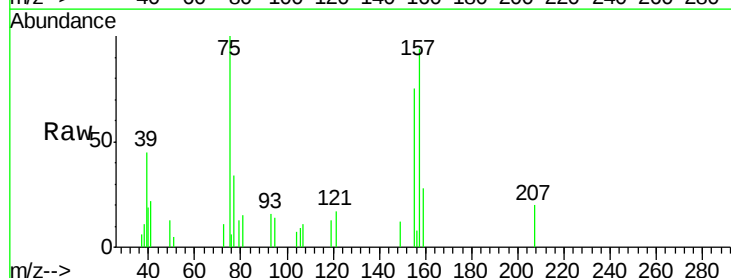
Manual Integrations
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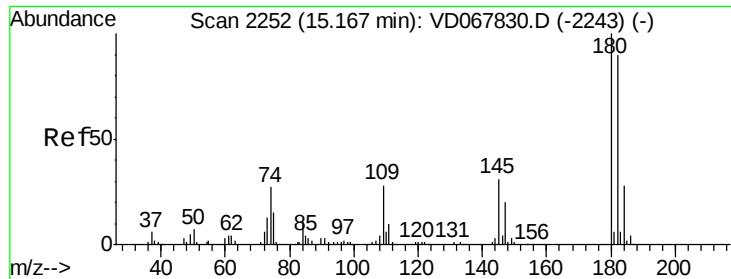
MMDadoda
 12/9/2020 9:29:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.754 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	44.1	132.4
157	98.4	62.4	187.2





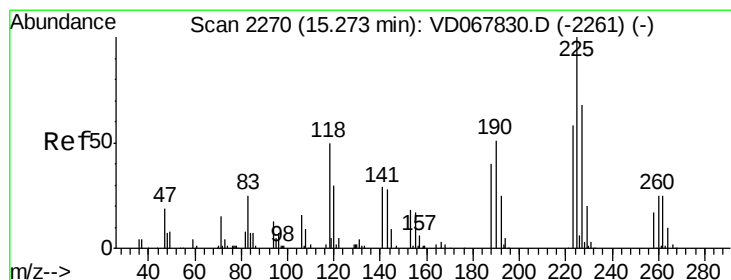
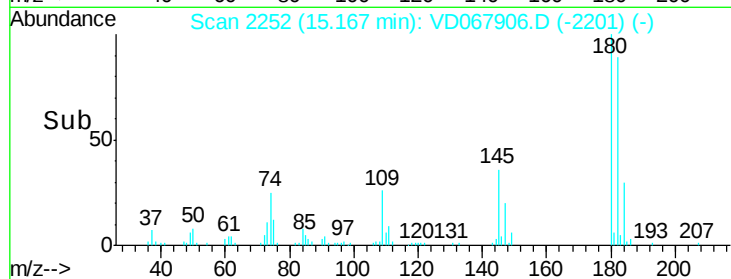
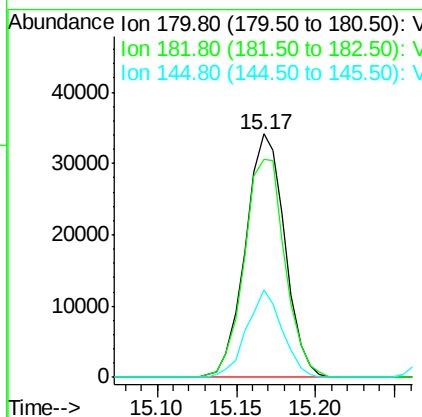
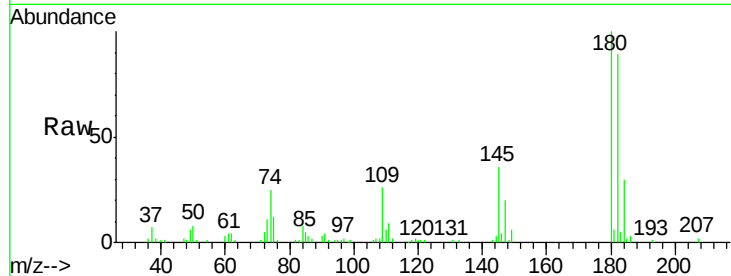
#93
1,2,4-Trichlorobenzene
Concen: 20.440 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58955		
182	93.1		47.5	142.6
145	32.5		16.4	49.4

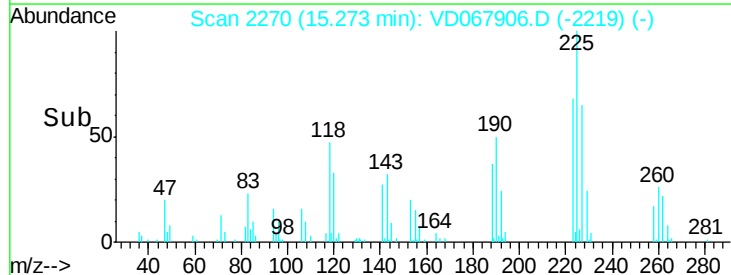
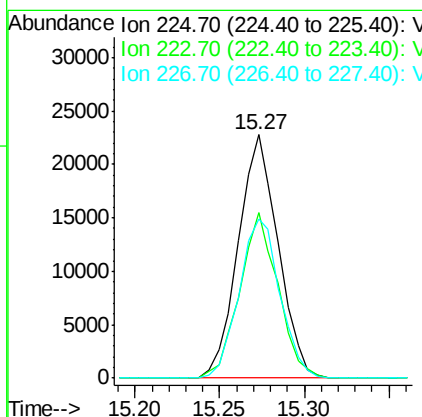
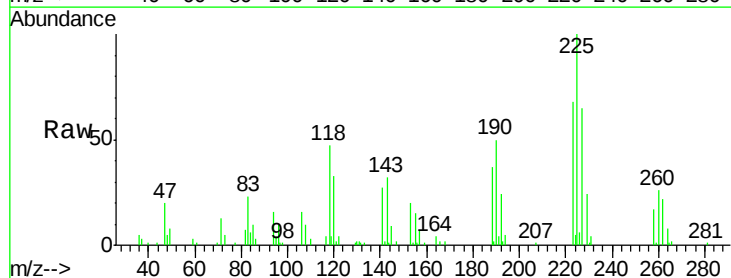
Manual Integrations
APPROVED

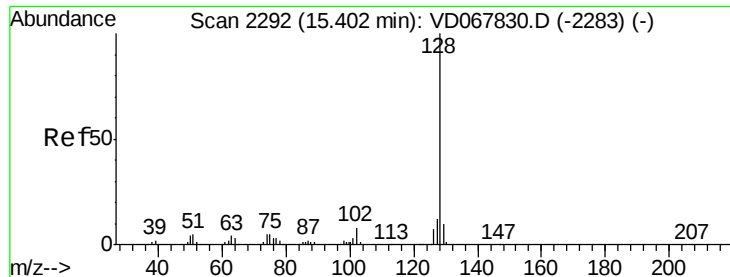
MMDadoda
12/9/2020 9:29:00 AM



#94
Hexachlorobutadiene
Concen: 19.822 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37307		
223	65.3		31.1	93.3
227	67.0		33.1	99.3





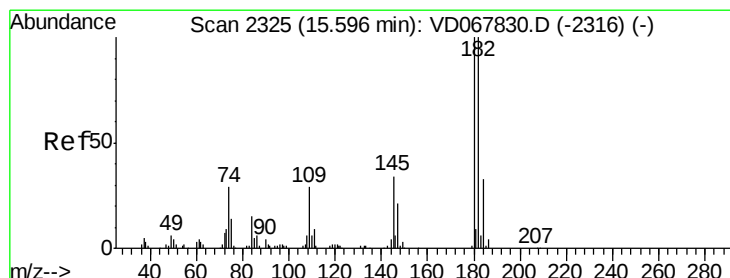
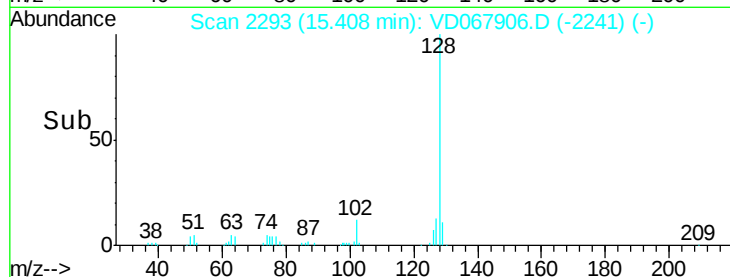
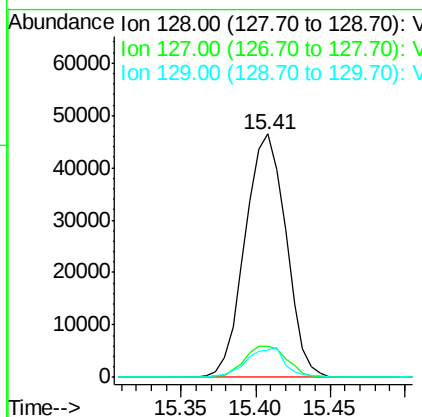
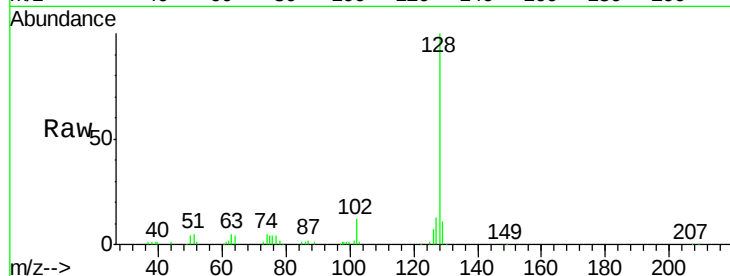
#95
Naphthalene
Concen: 18.787 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.4	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:29:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.604 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.3	142.0
145	35.3	16.8	50.4

