

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067035.D
 Acq On : 02 Oct 2020 15:03
 Operator : VA/SY
 Sample : L4213-03MSD
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Manual Integrations
 APPROVED

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 10/5/2020 5:34:30 PM

Quant Time: Oct 03 05:08:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	397134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	502120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185516	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.91	113	207614	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.34	98	741664	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.63	95	209799	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173653	54.791	ug/l	97
3) Chloromethane	2.21	50	146059	46.182	ug/l	99
4) Vinyl Chloride	2.35	62	152187	47.990	ug/l	99
5) Bromomethane	2.77	94	115898	57.334	ug/l	99
6) Chloroethane	2.93	64	93449	48.387	ug/l	98
7) Trichlorofluoromethane	3.27	101	344503	48.896	ug/l	98
8) Diethyl Ether	3.71	74	83703	47.907	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	195472	49.085	ug/l	98
10) Methyl Iodide	4.30	142	212099	54.814	ug/l	99
11) Tert butyl alcohol	5.22	59	40553	164.224	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	181037	48.358	ug/l	96
13) Acrolein	3.93	56	48937	191.061	ug/l	99
14) Allyl chloride	4.71	41	244068	50.185	ug/l	99
15) Acrylonitrile	5.43	53	147381	229.194	ug/l	98
16) Acetone	4.16	43	140930	241.353	ug/l	97
17) Carbon Disulfide	4.41	76	494520	43.043	ug/l	98
18) Methyl Acetate	4.73	43	87614	59.700	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	344145	50.357	ug/l	95
20) Methylene Chloride	4.97	84	216851	52.731	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	199635	46.858	ug/l	98
22) Diisopropyl ether	6.36	45	464571	52.324	ug/l	98
23) Vinyl Acetate	6.31	43	1060814	210.844	ug/l	98
24) 1,1-Dichloroethane	6.27	63	350170	51.104	ug/l	96
25) 2-Butanone	7.21	43	178515	215.635	ug/l	99
26) 2,2-Dichloropropane	7.21	77	311032	53.361	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	221482	48.676	ug/l	99
28) Bromochloromethane	7.55	49	133669	50.513	ug/l	99
29) Tetrahydrofuran	7.57	42	109515	230.068	ug/l	97
30) Chloroform	7.71	83	372123	50.063	ug/l	98
31) Cyclohexane	7.98	56	248540	43.265	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	346694	50.327	ug/l	99
36) 1,1-Dichloropropene	8.11	75	265521	46.786	ug/l	99
37) Ethyl Acetate	7.29	43	83783	42.615	ug/l	98
38) Carbon Tetrachloride	8.10	117	315166	51.326	ug/l	96

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	239030	39.838	ug/l	94
40) Benzene	8.35	78	802889	50.935	ug/l	98
41) Methacrylonitrile	7.51	41	51048m	48.061	ug/l	
42) 1,2-Dichloroethane	8.43	62	214448	48.686	ug/l	99
43) Isopropyl Acetate	8.45	43	161953	44.715	ug/l	99
44) Trichloroethene	9.11	130	224997	47.800	ug/l	99
45) 1,2-Dichloropropane	9.38	63	193297	52.190	ug/l	96
46) Dibromomethane	9.47	93	101530	47.695	ug/l	99
47) Bromodichloromethane	9.66	83	283286	51.195	ug/l	92
48) Methyl methacrylate	9.46	41	83690	45.103	ug/l #	84
49) 1,4-Dioxane	9.46	88	20283	912.945	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	425740	235.992	ug/l	98
52) Toluene	10.40	92	519942	51.205	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	226582	45.816	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	292065	48.363	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	142990	48.314	ug/l	95
56) Ethyl methacrylate	10.66	69	152817	50.012	ug/l	96
57) 1,3-Dichloropropane	10.94	76	235234	49.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	437493	257.245	ug/l	99
59) 2-Hexanone	10.98	43	284510	236.285	ug/l	98
60) Dibromochloromethane	11.14	129	192947	48.914	ug/l	97
61) 1,2-Dibromoethane	11.24	107	133611	46.991	ug/l	98
64) Tetrachloroethene	10.87	164	196749	53.898	ug/l	96
65) Chlorobenzene	11.67	112	507736	50.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	212953	56.059	ug/l	99
67) Ethyl Benzene	11.74	91	905612	52.926	ug/l	99
68) m/p-Xylenes	11.86	106	697224	104.557	ug/l	99
69) o-Xylene	12.18	106	324359	54.393	ug/l	95
70) Styrene	12.20	104	522678	51.044	ug/l	99
71) Bromoform	12.36	173	104226	52.857	ug/l #	96
73) Isopropylbenzene	12.48	105	835168	63.497	ug/l	99
74) N-amyl acetate	12.29	43	137963	58.349	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	135639	61.207	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	92503m	54.825	ug/l	
77) Bromobenzene	12.76	156	192724	60.683	ug/l	98
78) n-propylbenzene	12.83	91	894835	57.566	ug/l	99
79) 2-Chlorotoluene	12.91	91	534540	60.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	687915	61.904	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40572	59.951	ug/l	98
82) 4-Chlorotoluene	13.01	91	525340	55.519	ug/l	100
83) tert-Butylbenzene	13.23	119	552650	59.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	673685	60.747	ug/l	100
85) sec-Butylbenzene	13.41	105	687966	52.205	ug/l	100
86) p-Isopropyltoluene	13.52	119	639224	52.320	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	314830	50.893	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	307937	49.784	ug/l	99
89) n-Butylbenzene	13.85	91	462664	41.435	ug/l	98
90) Hexachloroethane	14.11	117	120104	56.120	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	286137	52.963	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21007	58.806	ug/l	96

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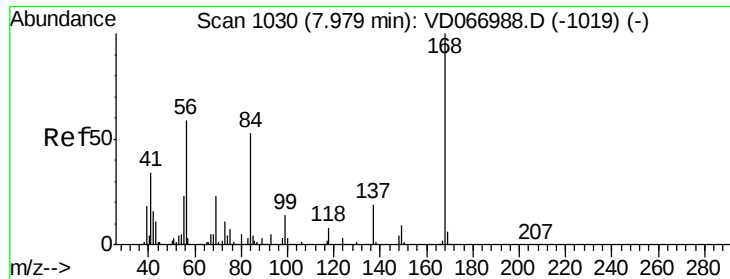
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123224	35.262	ug/l	99
94) Hexachlorobutadiene	15.27	225	56926	26.525	ug/l	98
95) Naphthalene	15.41	128	266449	45.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	111564	36.776	ug/l	97

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



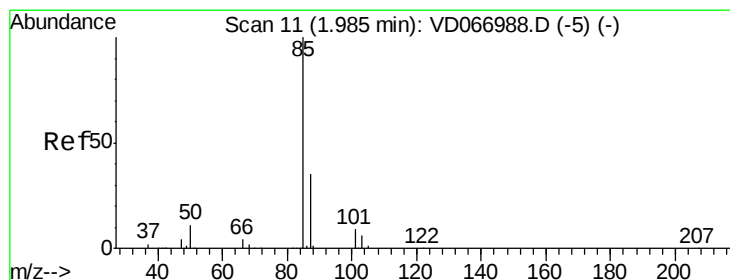
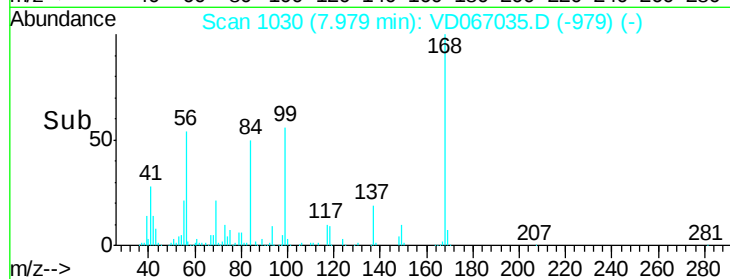
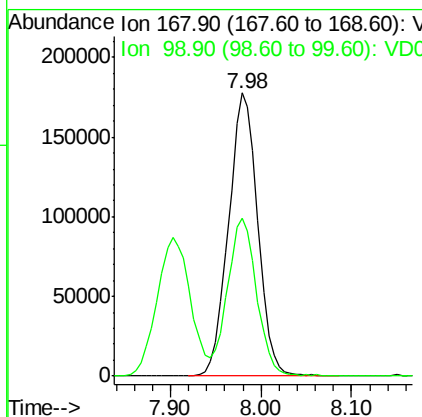
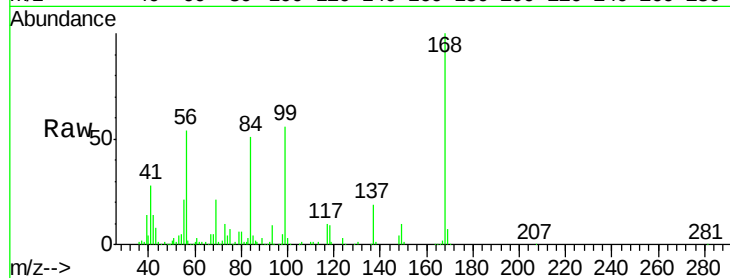
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.1	66.1

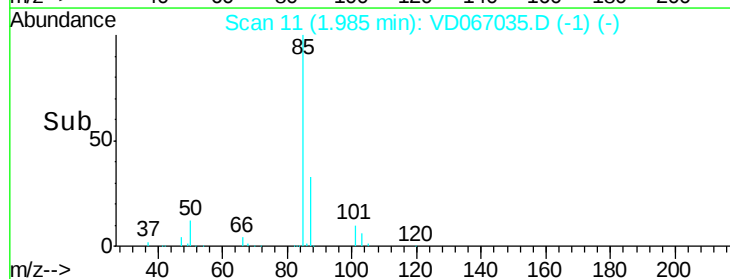
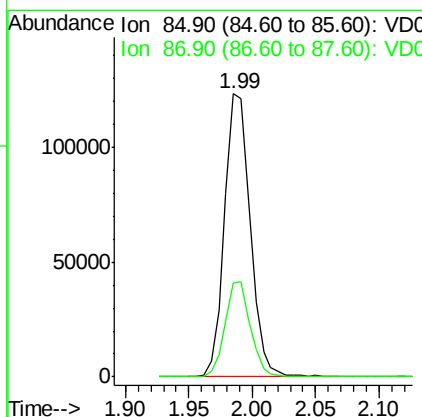
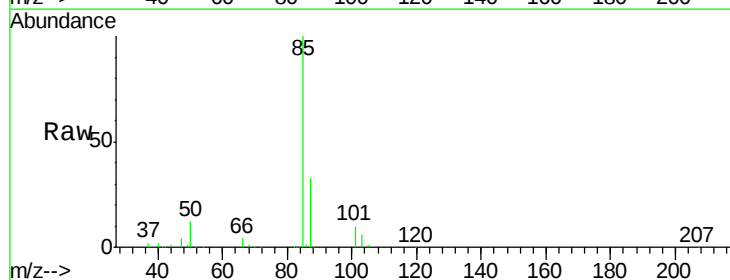
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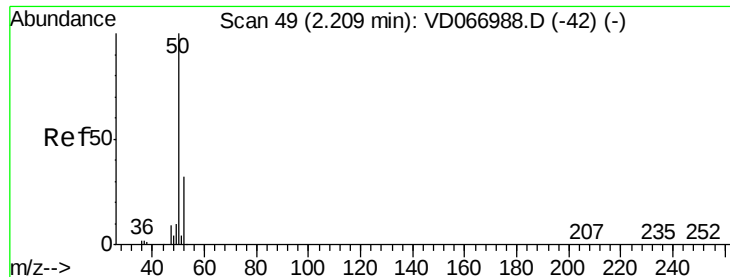
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#2
Dichlorodifluoromethane
Concen: 54.791 ug/l
RT: 1.99 min Scan# 11
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	17.3	52.0





#3

Chloromethane

Concen: 46.182 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 50 Resp: 146059

Ion Ratio Lower Upper

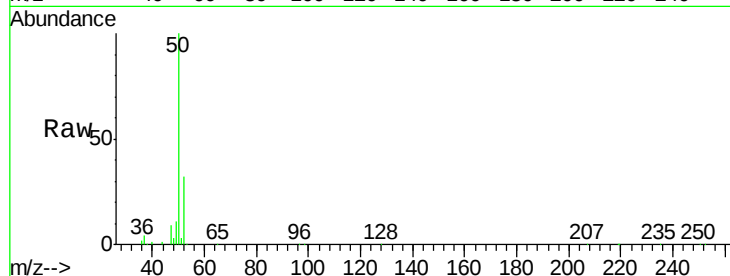
50 100

52 32.1 25.3 37.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

120000

100000

80000

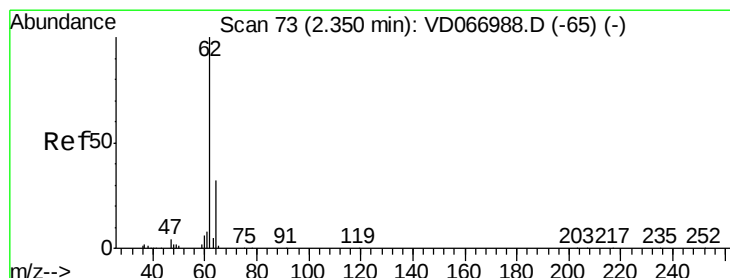
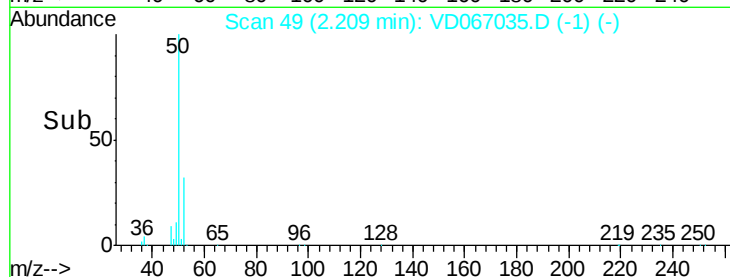
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.990 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067035.D

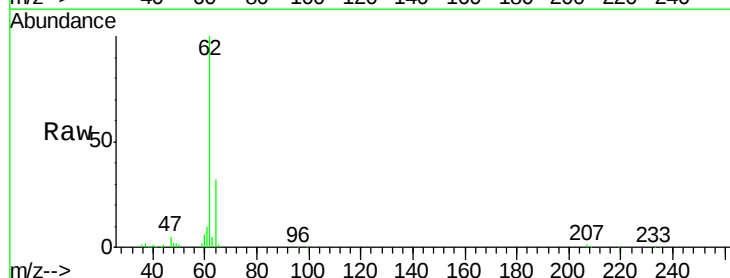
Acq: 02 Oct 2020 15:03

Tgt Ion: 62 Resp: 152187

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

120000

100000

80000

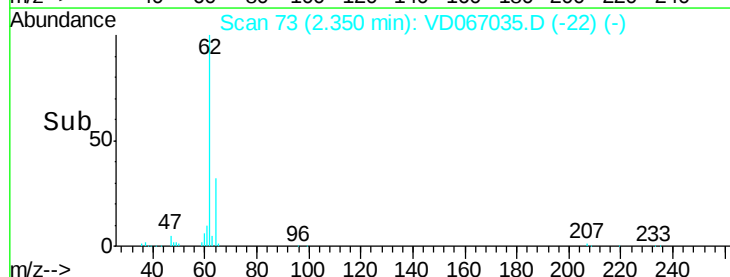
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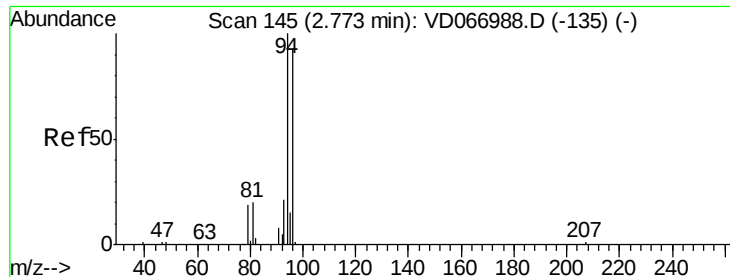
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20000

0

Time-->





#5

Bromomethane

Concen: 57.334 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 94 Resp: 115898

Ion Ratio Lower Upper

94 100

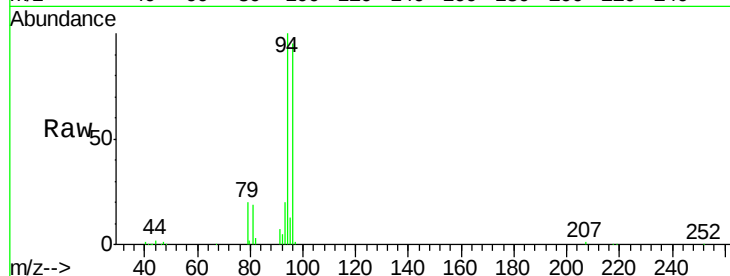
96 94.7 74.6 112.0

Manual Integrations

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10/5/2020 5:34:30 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

60000

50000

40000

30000

20000

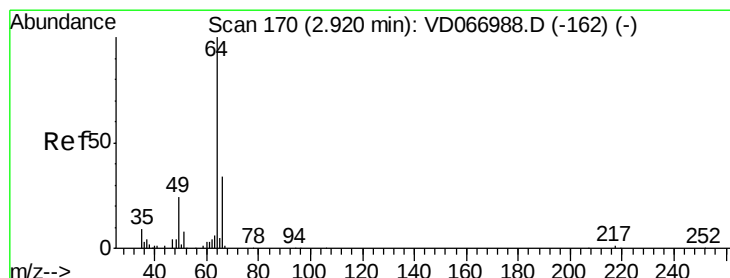
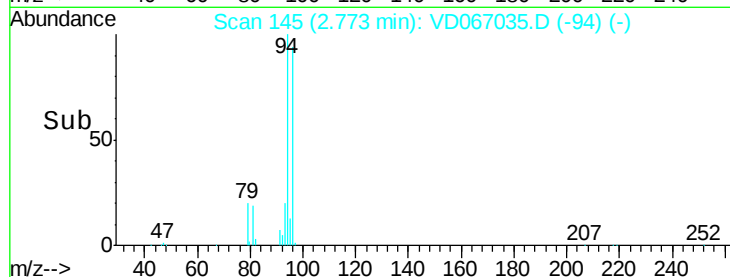
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Time-->

2.70 2.75 2.80 2.85

2.77



#6

Chloroethane

Concen: 48.387 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067035.D

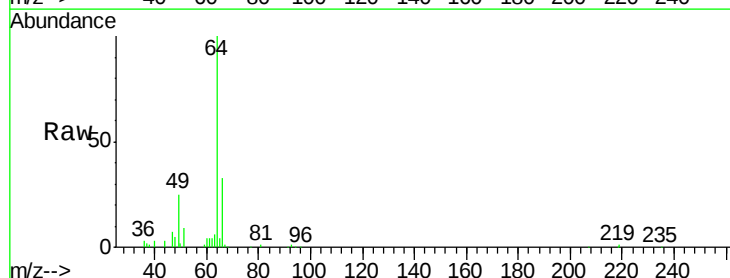
Acq: 02 Oct 2020 15:03

Tgt Ion: 64 Resp: 93449

Ion Ratio Lower Upper

64 100

66 32.7 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

50000

40000

30000

20000

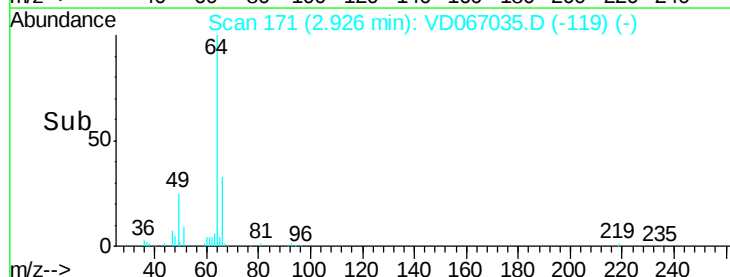
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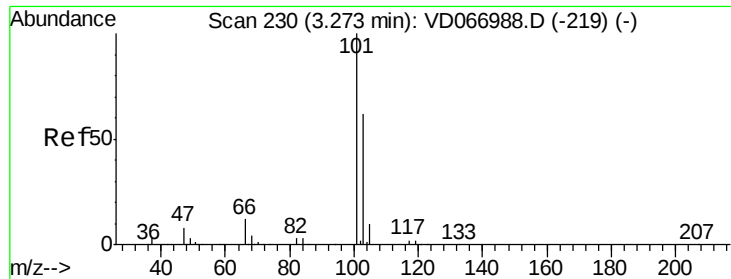
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Time-->

2.85 2.90 2.95 3.00

2.93





#7

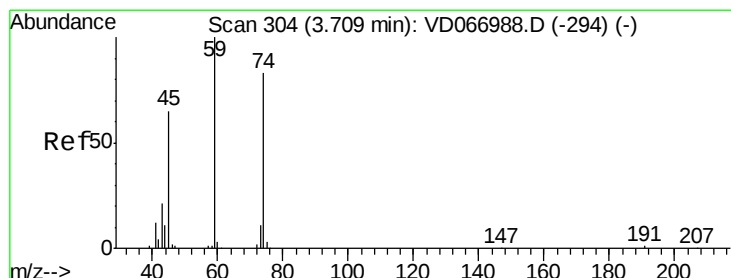
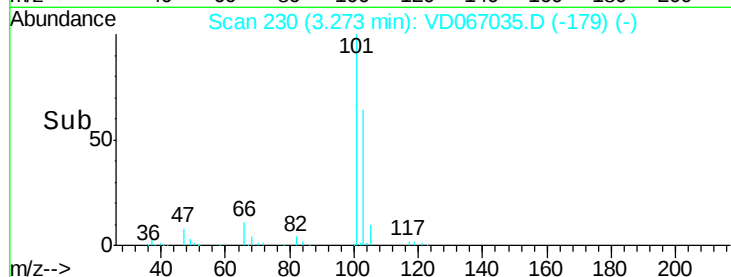
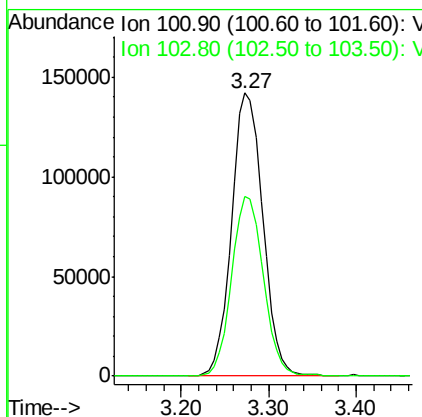
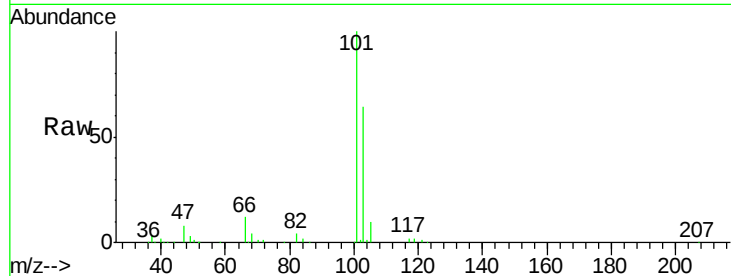
Trichlorofluoromethane
 Concen: 48.896 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
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 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.8	74.8

Manual Integrations
 APPROVED

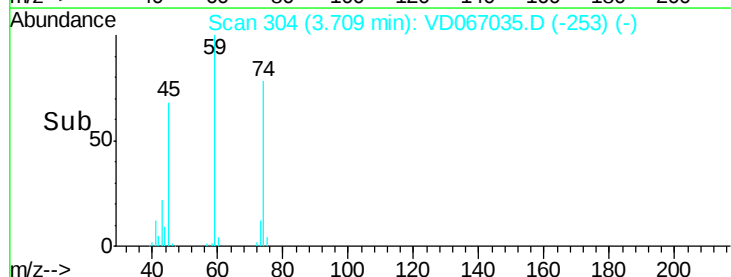
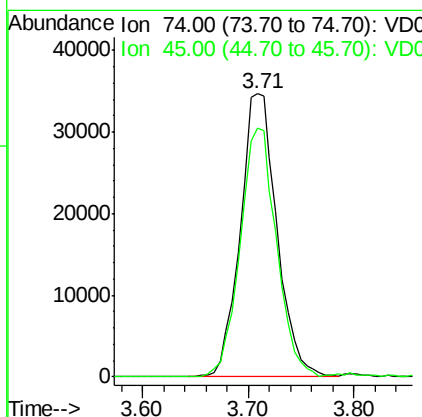
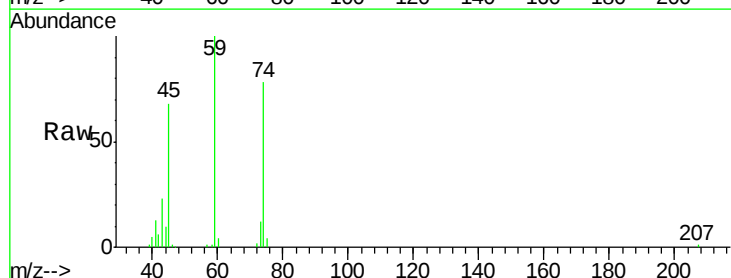
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 10/5/2020 5:34:30 PM

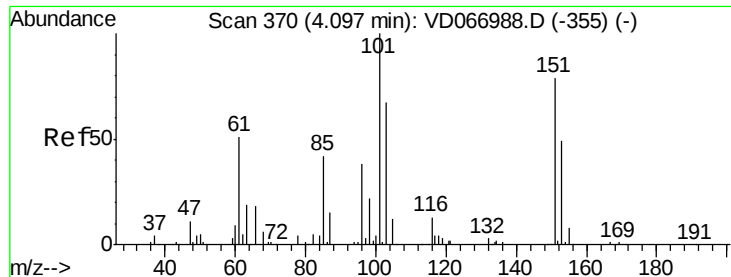


#8

Diethyl Ether
 Concen: 47.907 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.9	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.085 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

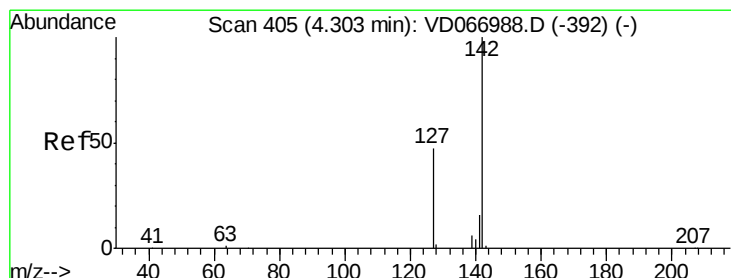
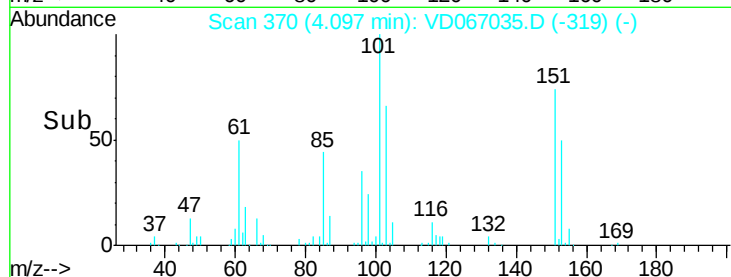
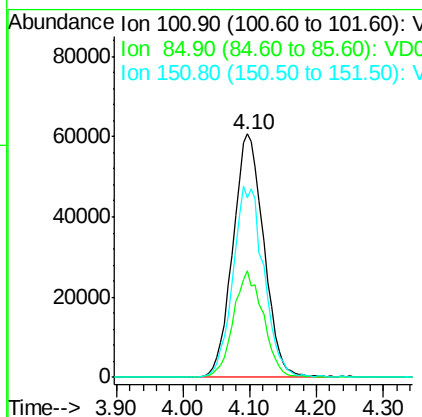
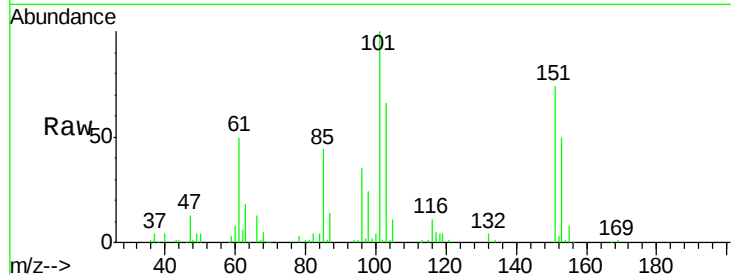
ClientSampleId :

B-15(3-4)MSD

Tot Ion:	101	Resp:	195472
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.8	50.8
151	77.9	63.8	95.8

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#10

Methyl Iodide

Concen: 54.814 ug/l

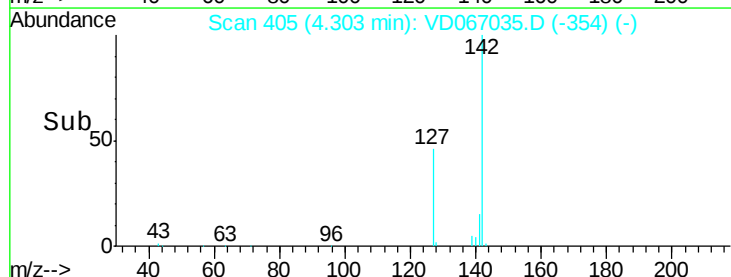
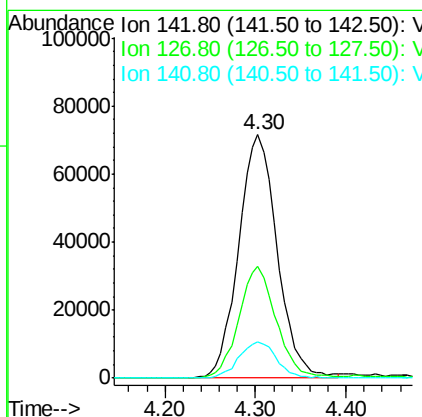
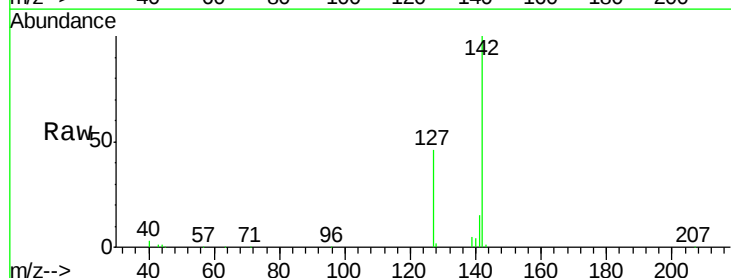
RT: 4.30 min Scan# 405

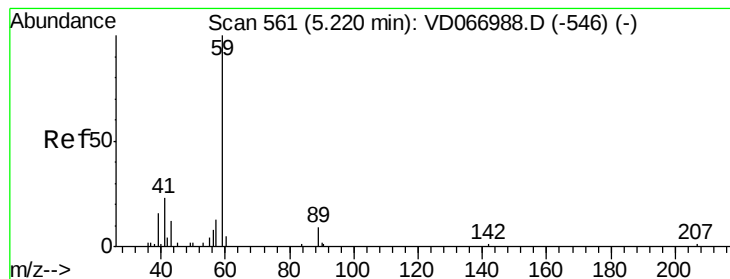
Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion:	142	Resp:	212099
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.3	54.5
141	14.6	12.0	18.0





#11

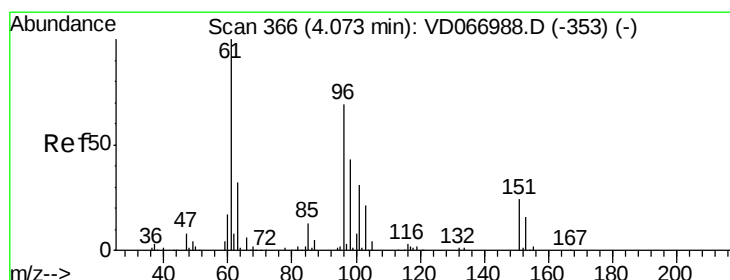
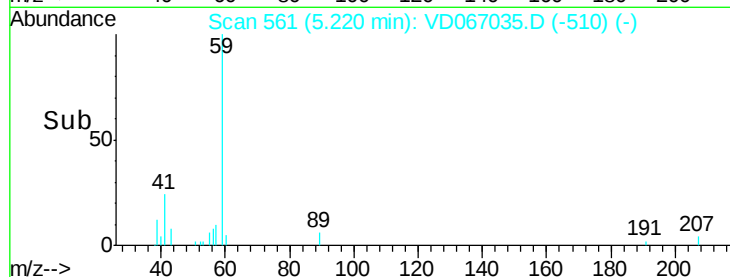
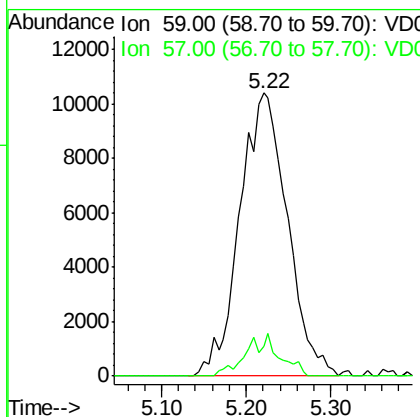
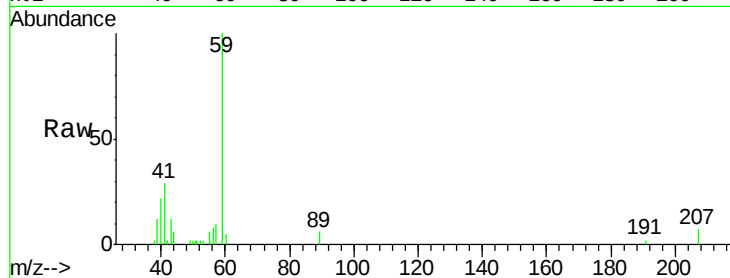
Tert butyl alcohol
Concen: 164.224 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	40553		
57	4.9	8.2	12.4	

Manual Integrations
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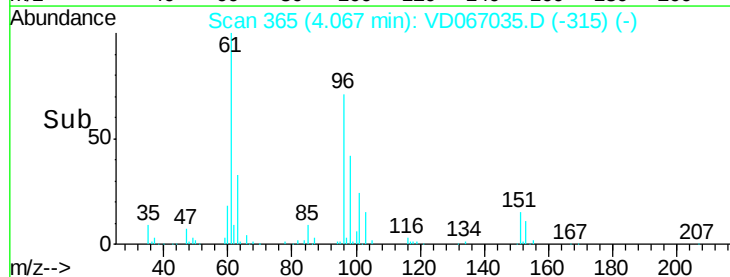
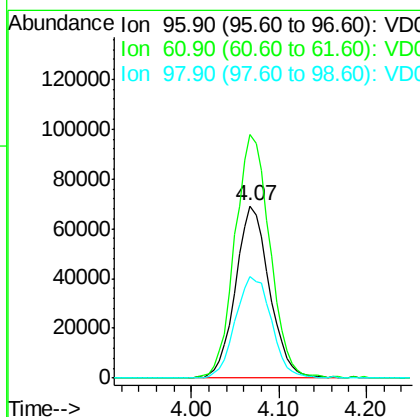
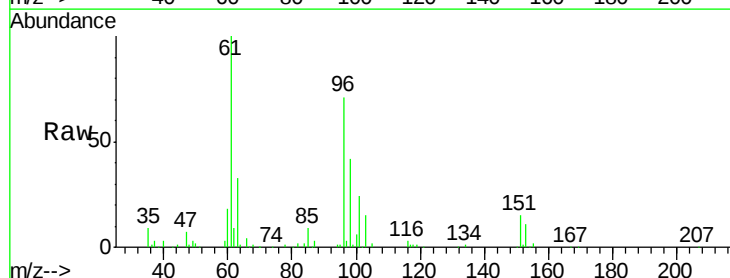
MMDadoda
10/5/2020 5:34:30 PM

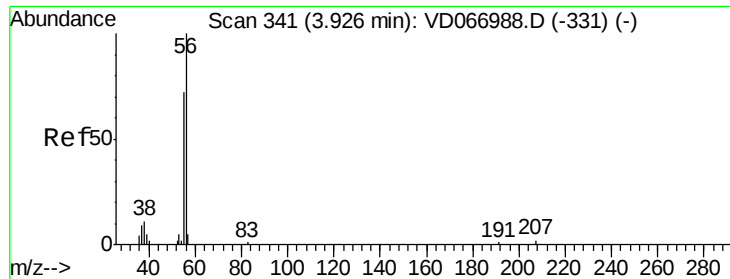


#12

1,1-Dichloroethene
Concen: 48.358 ug/l
RT: 4.07 min Scan# 366
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	181037		
61	141.3	116.4	174.6	
98	59.3	49.9	74.9	





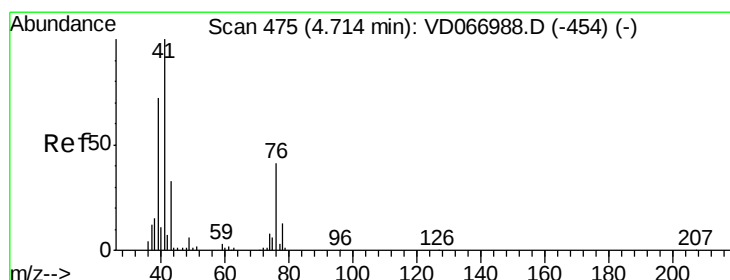
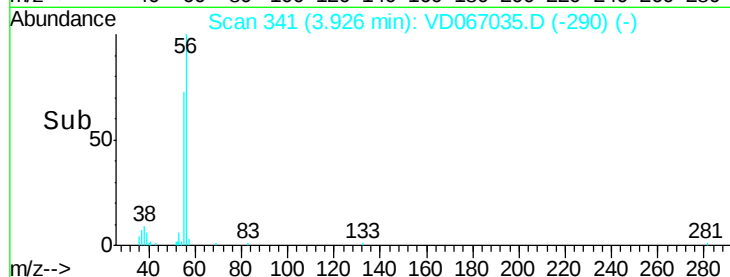
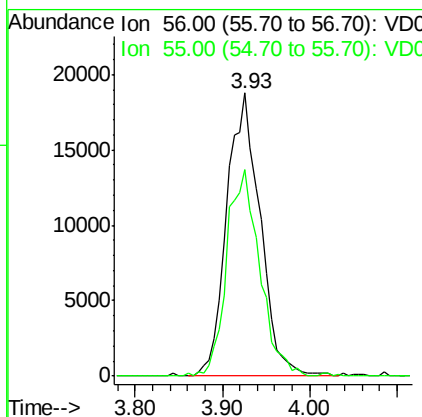
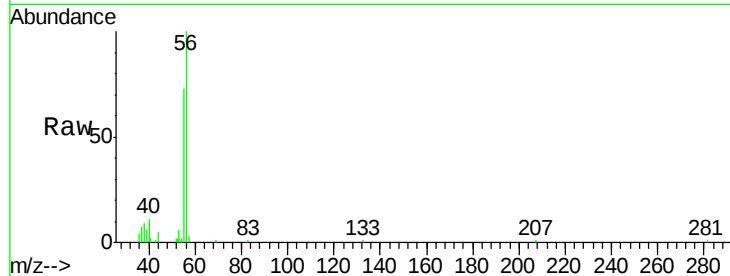
#13
Acrolein
Concen: 191.061 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	56	Resp	48937
Ion Ratio	100	Lower	Upper
55	71.7	56.9	85.3

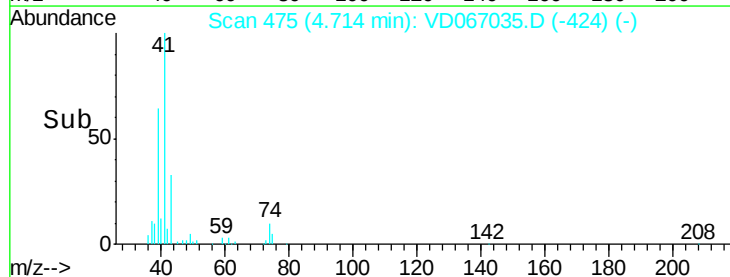
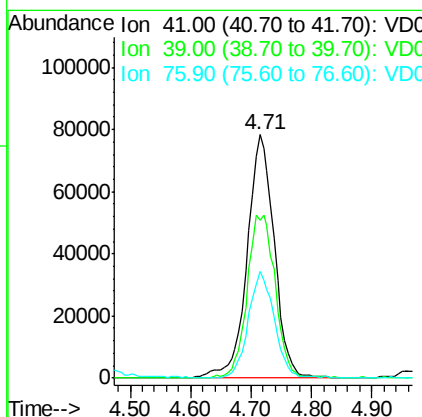
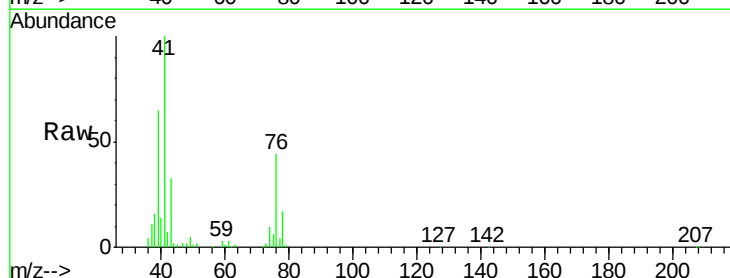
Manual Integrations
APPROVED

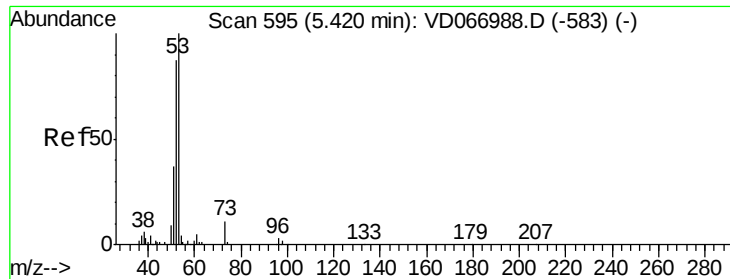
MMDadoda
10/5/2020 5:34:30 PM



#14
Allyl chloride
Concen: 50.185 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	41	Resp	244068
Ion Ratio	100	Lower	Upper
39	69.8	56.2	84.2
76	41.8	34.2	51.2





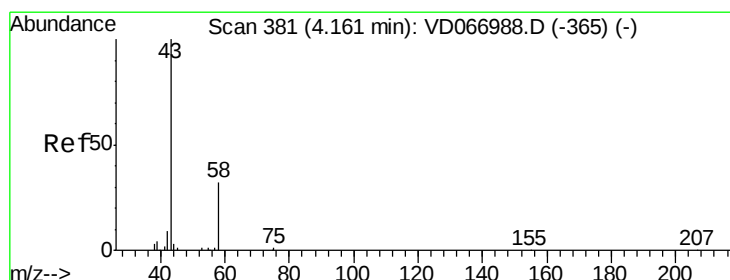
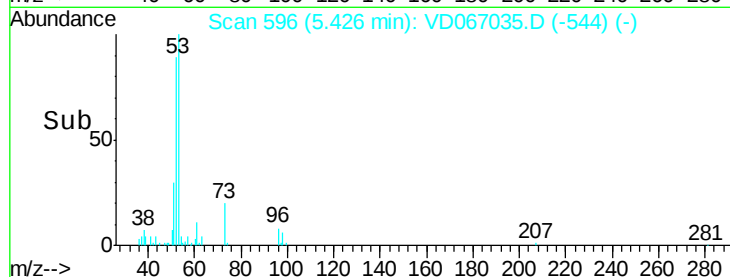
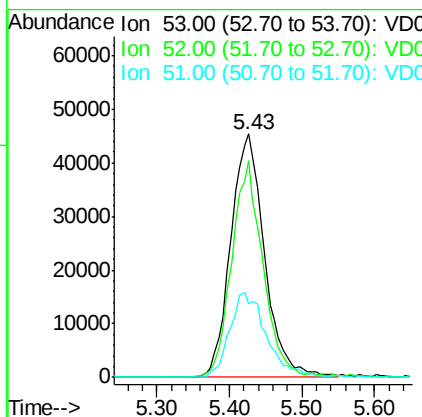
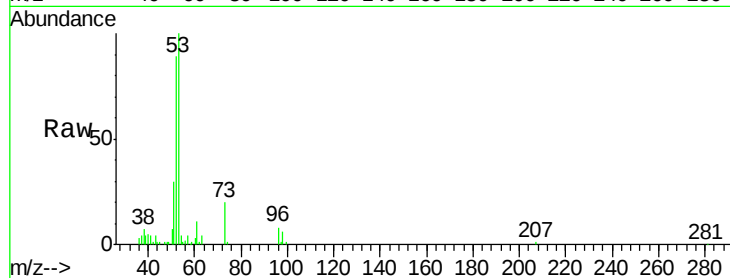
#15
 Acrylonitrile
 Concen: 229.194 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.0	67.3	100.9
51	37.6	30.2	45.2

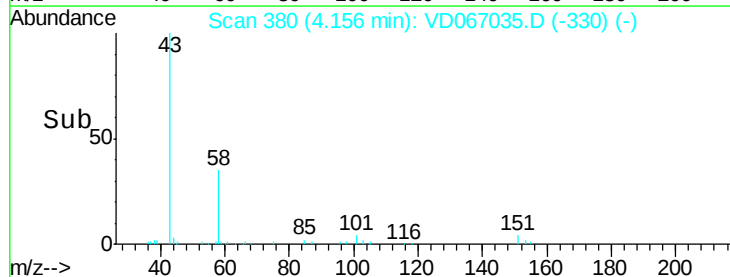
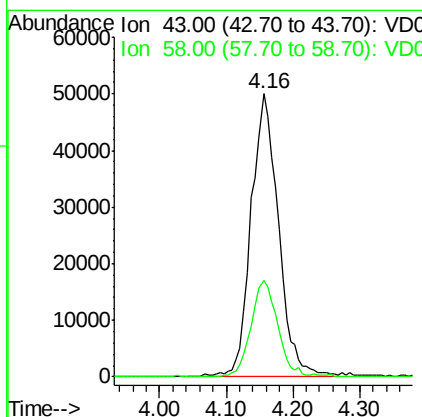
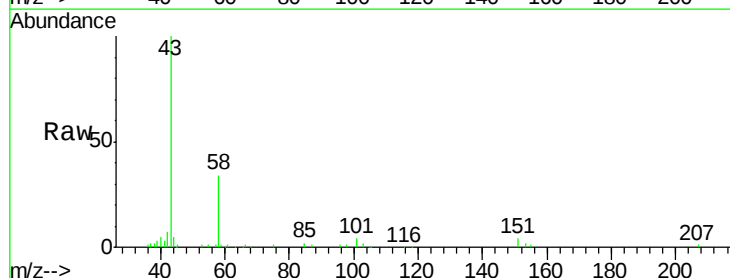
Manual Integrations
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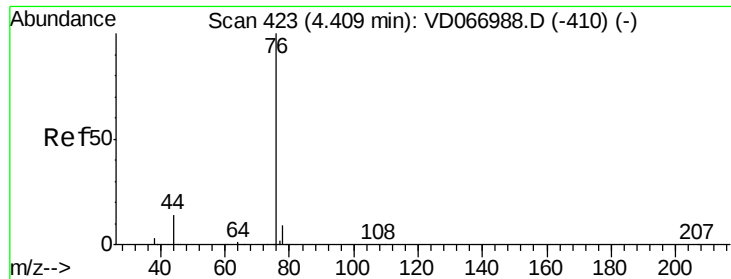
MMDadoda
 10/5/2020 5:34:30 PM



#16
 Acetone
 Concen: 241.353 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.9	38.9





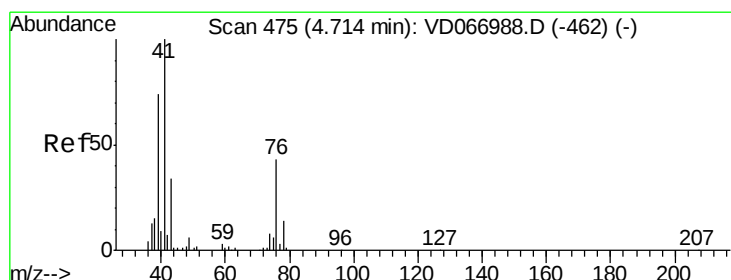
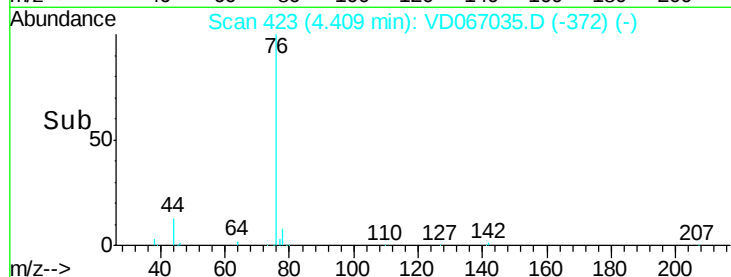
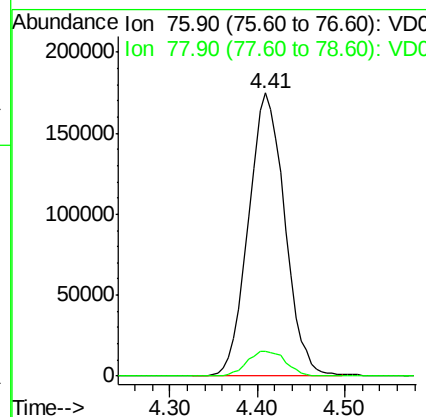
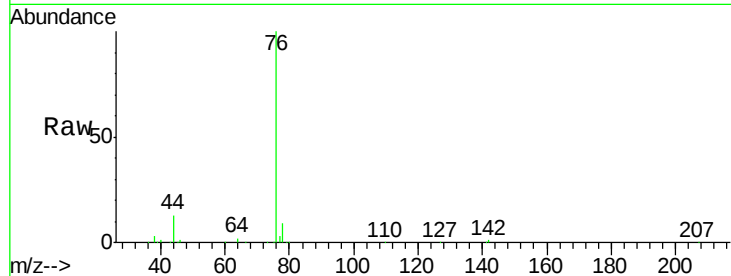
#17
Carbon Disulfide
Concen: 43.043 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.5	11.3

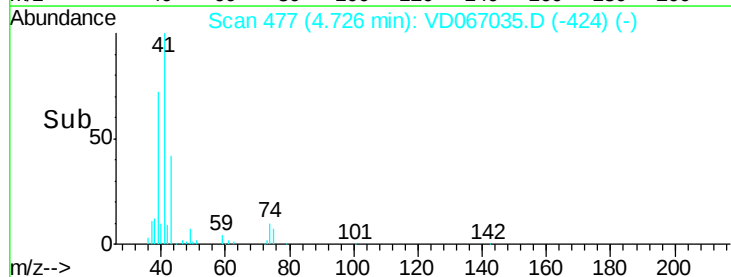
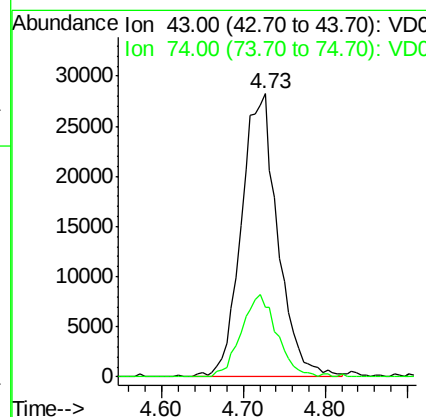
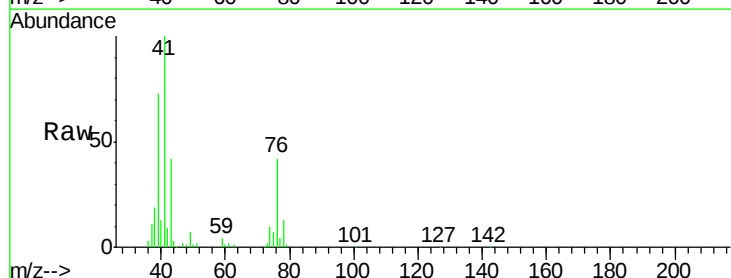
Manual Integrations
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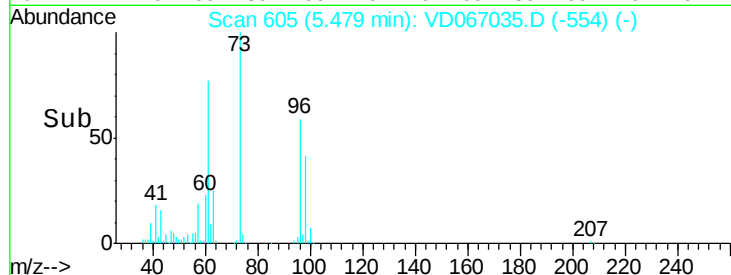
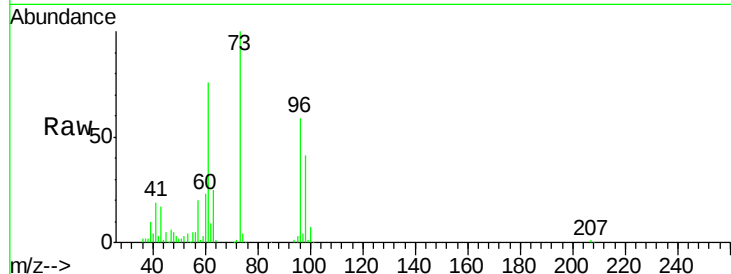
MMDadoda
10/5/2020 5:34:30 PM



#18
Methyl Acetate
Concen: 59.700 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.4	21.5	32.3





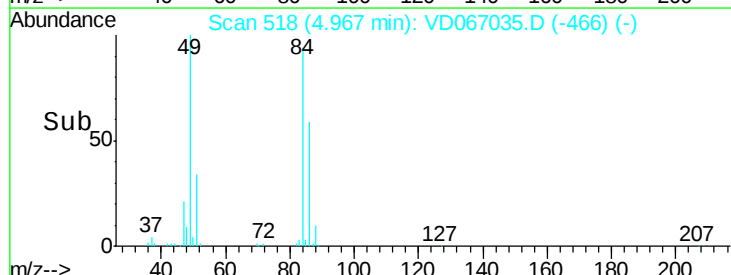
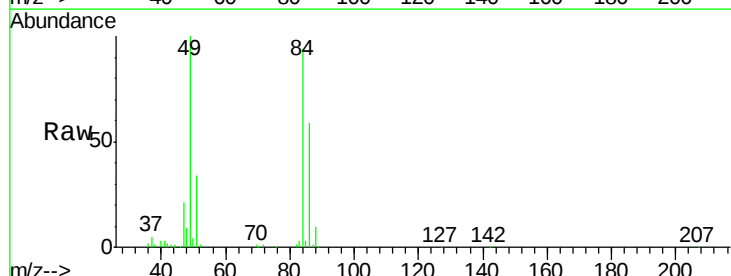
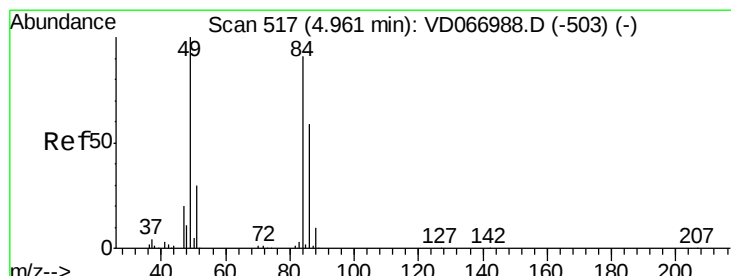
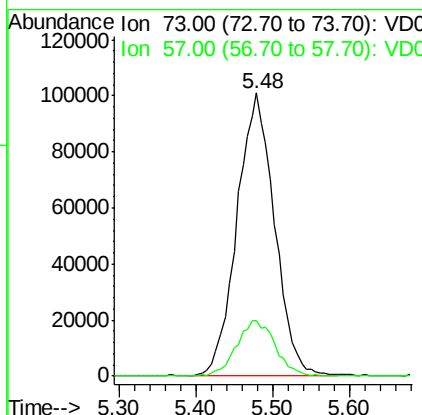
#19
Methvl tert-butvl Ether
Concen: 50.357 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	17.4	26.0

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

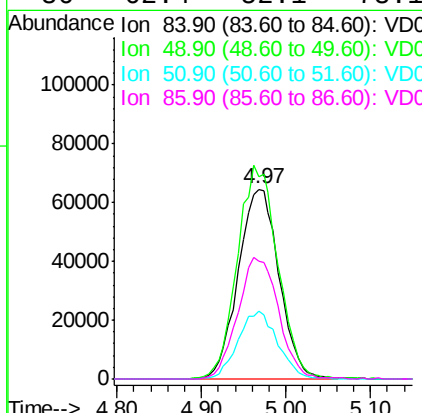
Manual Integrations
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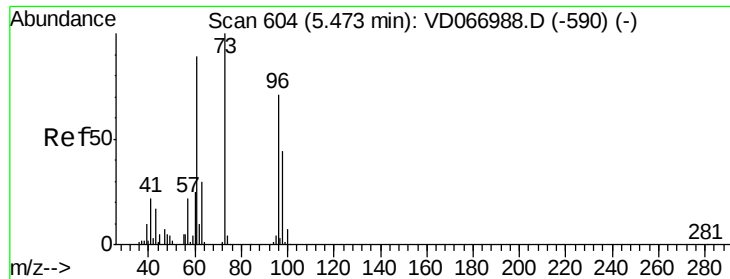
MMDadoda
10/5/2020 5:34:30 PM



#20
Methylene Chloride
Concen: 52.731 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.7	88.2	132.2
51	35.9	26.6	39.8
86	62.4	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 46.858 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

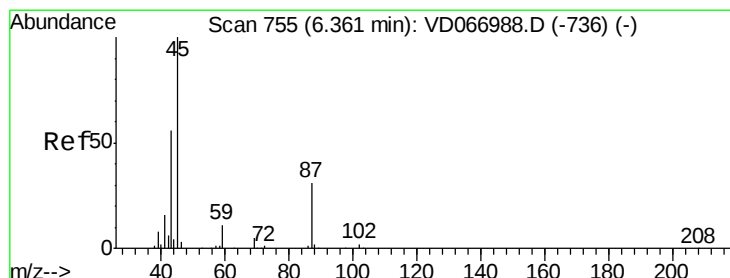
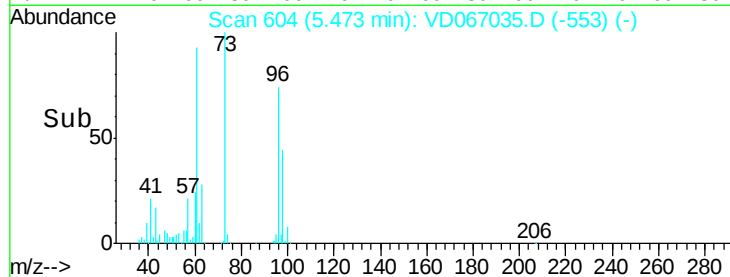
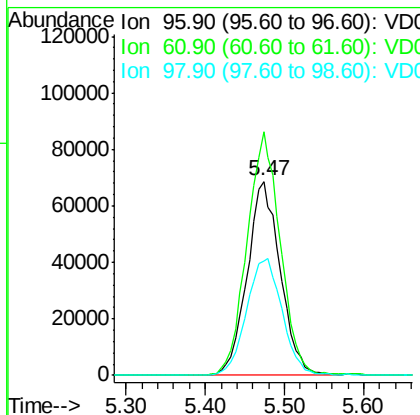
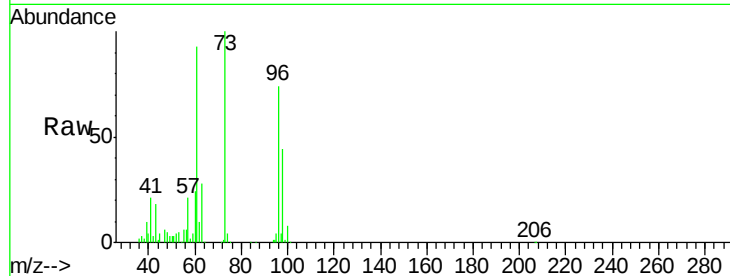
ClientSampleId :

B-15(3-4)MSD

Tot Ion:	96	Resp:	199635
Ion Ratio	Lower	Upper	
96	100		
61	125.7	99.6	149.4
98	59.1	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.324 ug/l

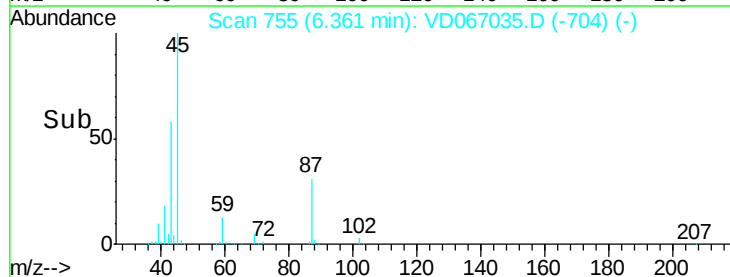
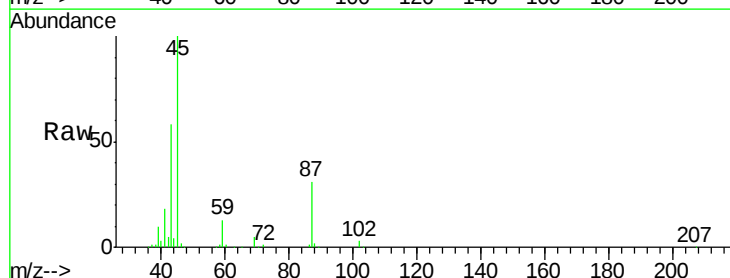
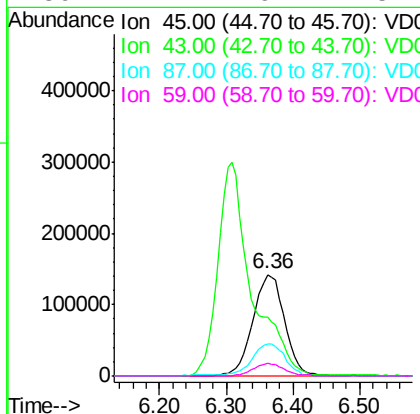
RT: 6.36 min Scan# 755

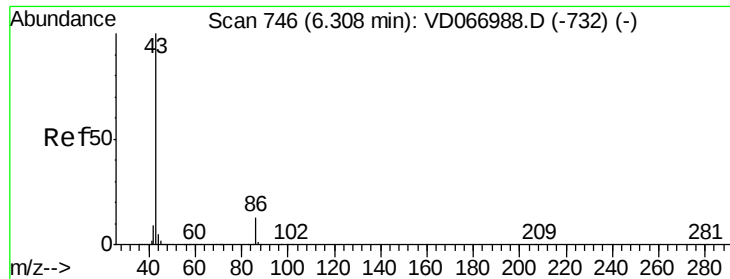
Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion:	45	Resp:	464571
Ion Ratio	Lower	Upper	
45	100		
43	57.8	45.2	67.8
87	30.9	25.6	38.4
59	12.7	9.1	13.7





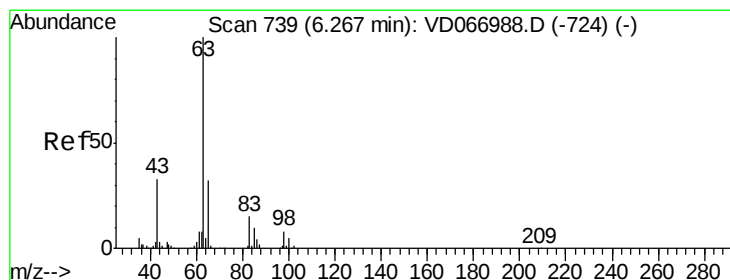
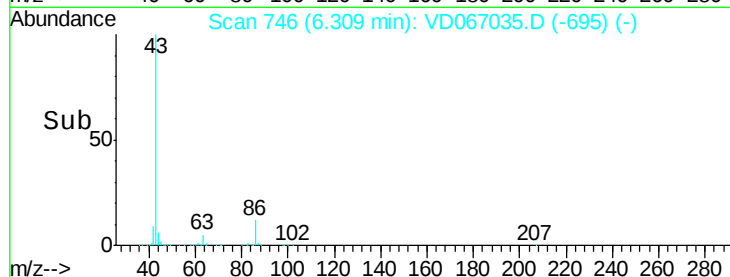
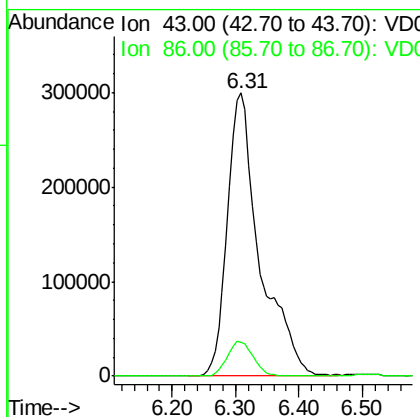
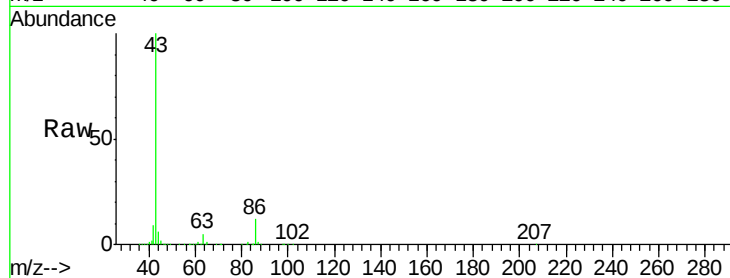
#23
 Vinyl Acetate
 Concen: 210.844 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion: 43 Resp: 1060814
 Ion Ratio Lower Upper
 43 100
 86 11.8 10.2 15.2

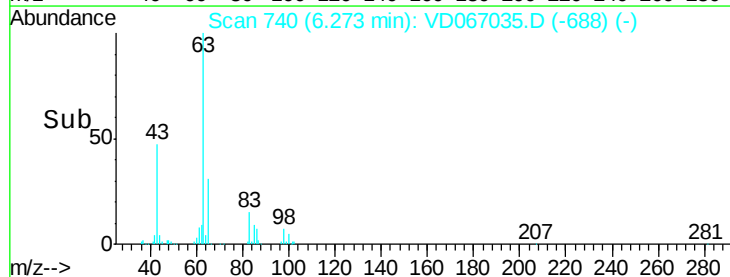
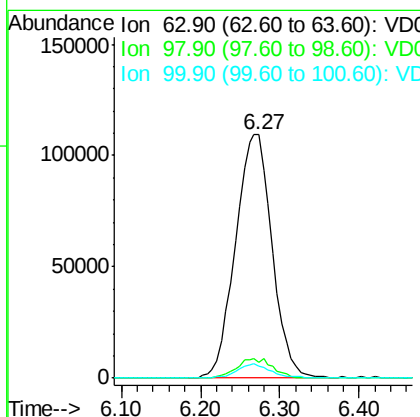
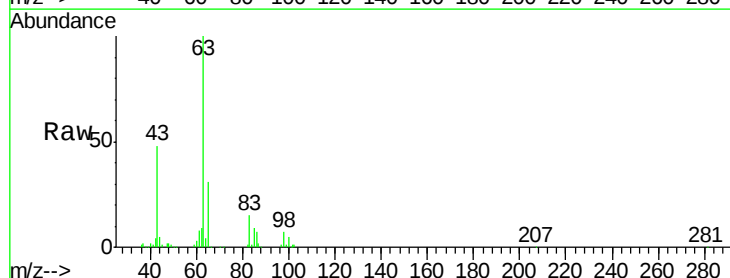
Manual Integrations
 APPROVED

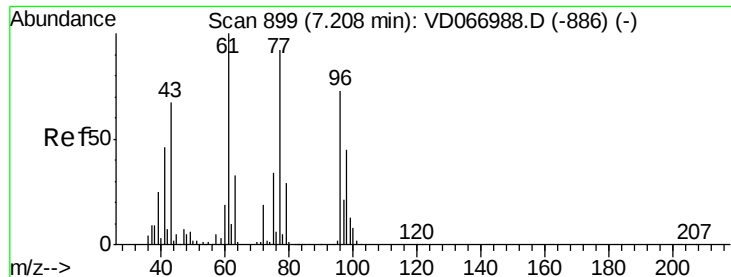
MMDadoda
 10/5/2020 5:34:30 PM



#24
 1,1-Dichloroethane
 Concen: 51.104 ug/l
 RT: 6.27 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion: 63 Resp: 350170
 Ion Ratio Lower Upper
 63 100
 98 6.6 4.2 12.6
 100 4.6 2.6 7.8





#25

2-Butanone

Concen: 215.635 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 43 Resp: 178515

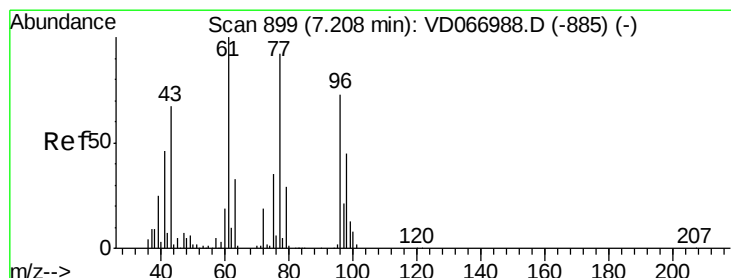
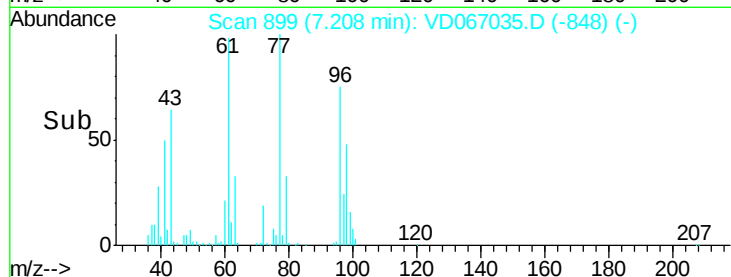
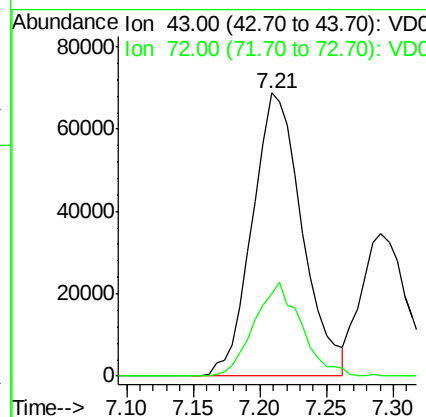
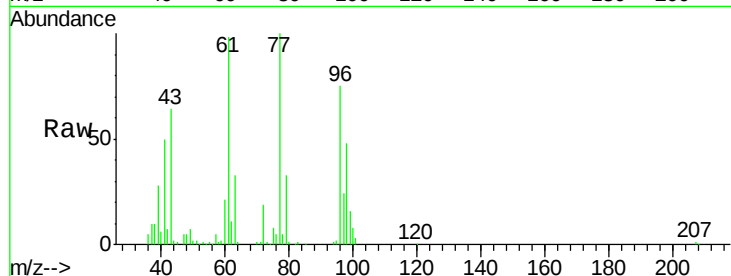
Ion Ratio Lower Upper

43 100

72 29.0 22.8 34.2

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:30 PM



#26

2,2-Dichloropropane

Concen: 53.361 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067035.D

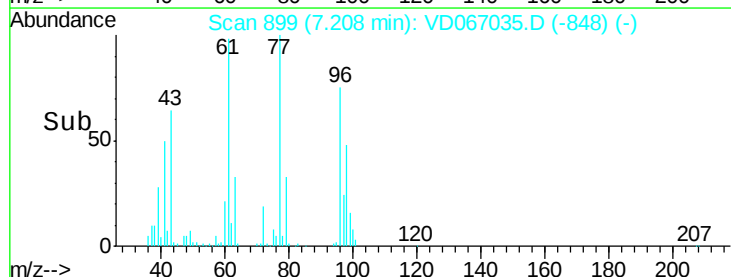
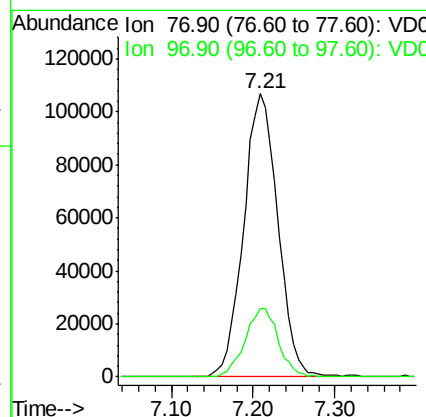
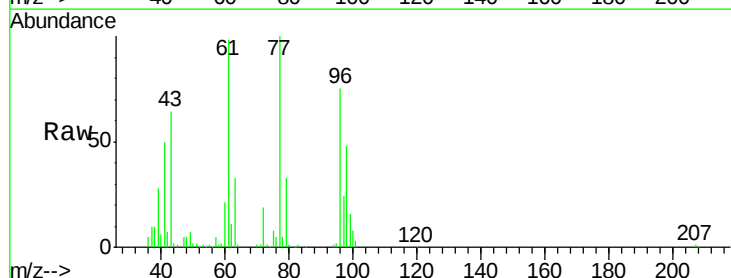
Acq: 02 Oct 2020 15:03

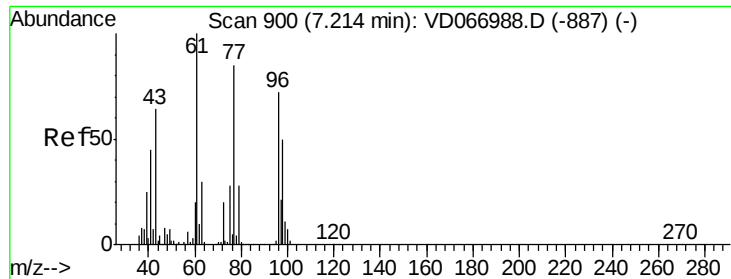
Tgt Ion: 77 Resp: 311032

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.2





#27

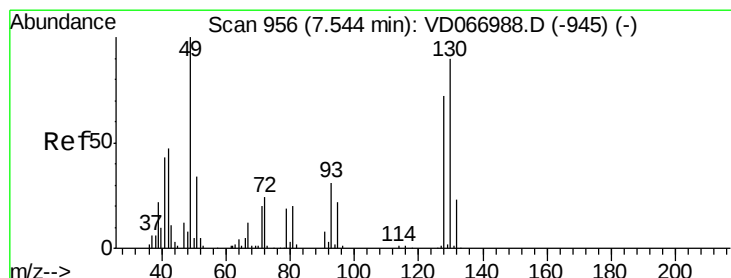
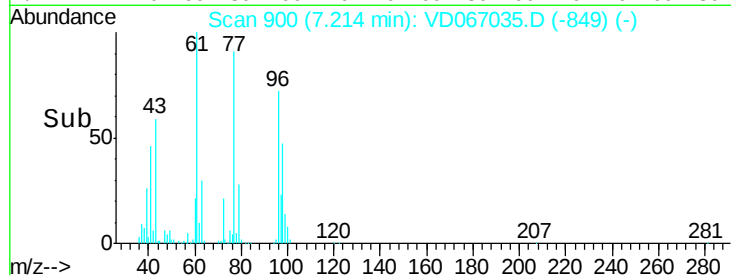
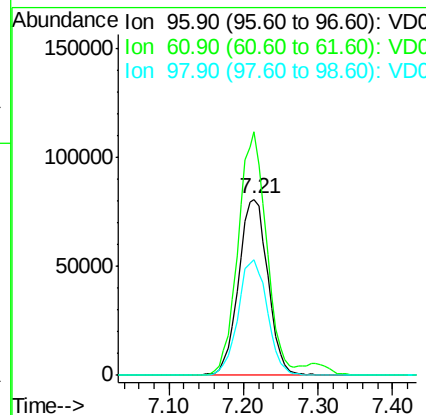
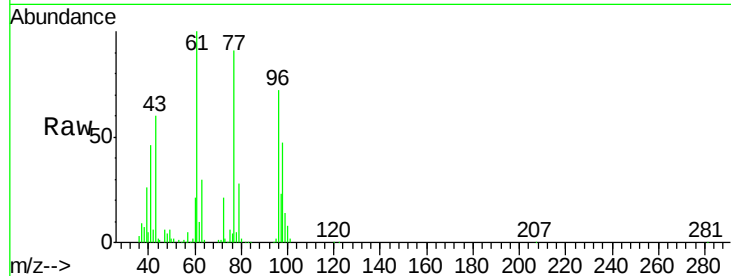
cis-1,2-Dichloroethene
 Concen: 48.676 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.4	0.0	269.2	
98	65.3	0.0	129.4	

Manual Integrations
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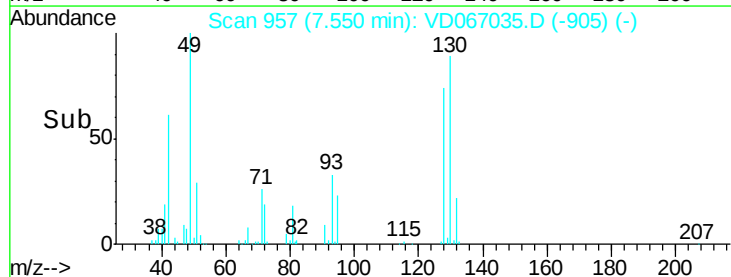
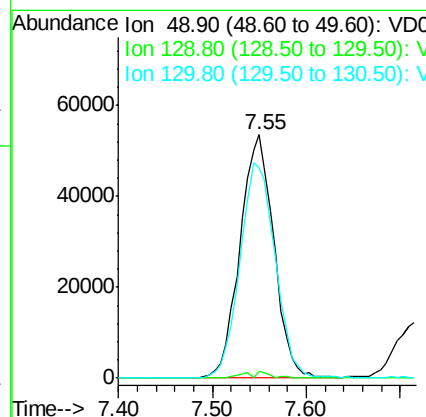
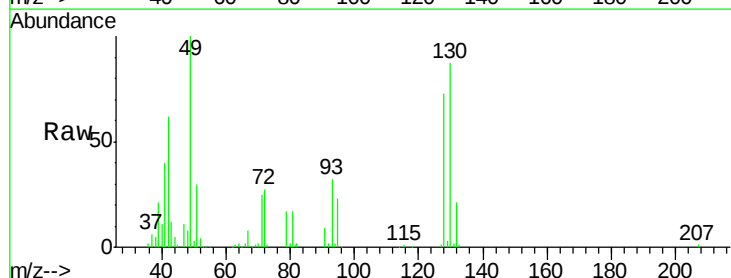
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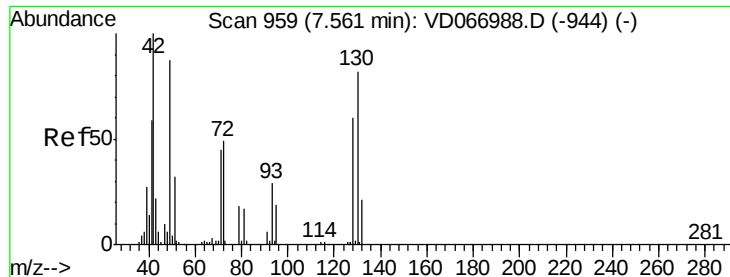


#28

Bromochloromethane
 Concen: 50.513 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	4.6	
130	92.0	74.1	111.1	





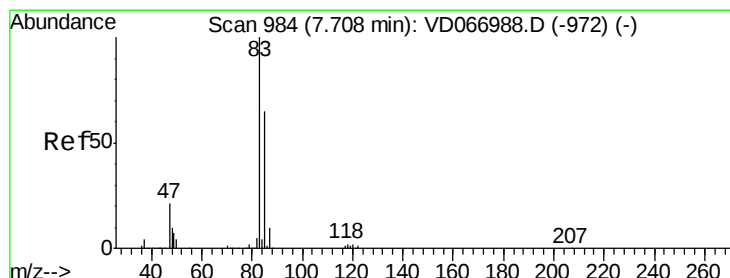
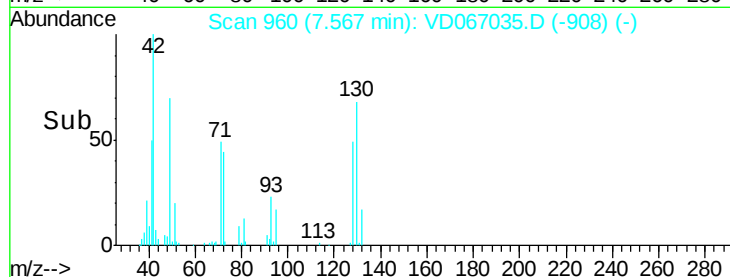
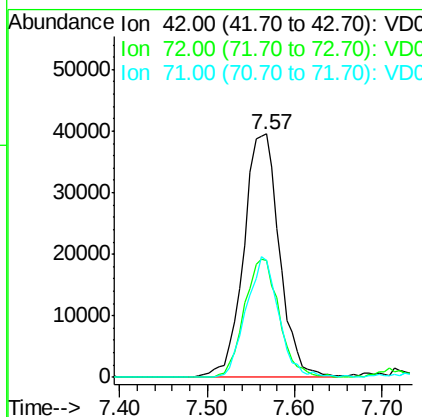
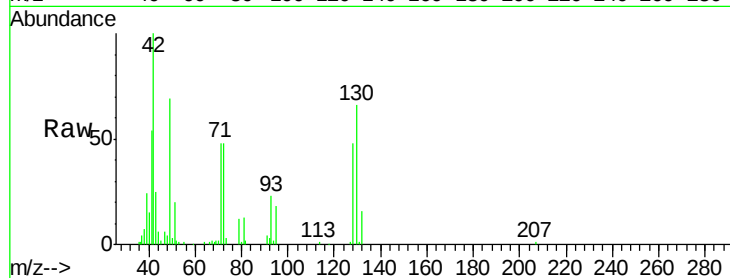
#29
Tetrahydrofuran
Concen: 230.068 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	39.1	58.7
71	45.1	34.2	51.4

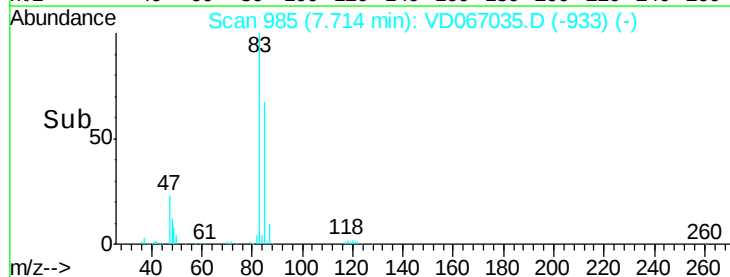
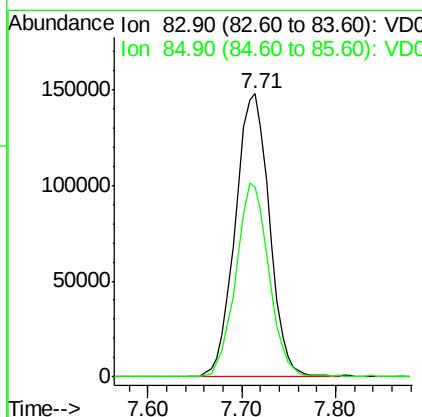
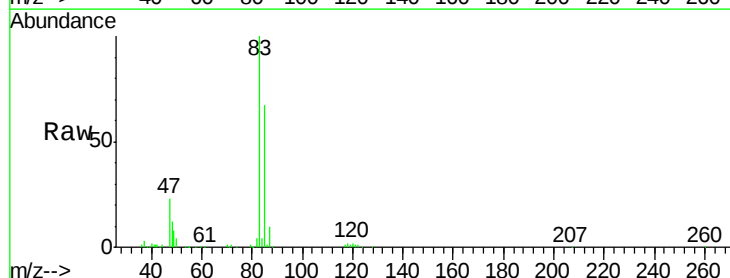
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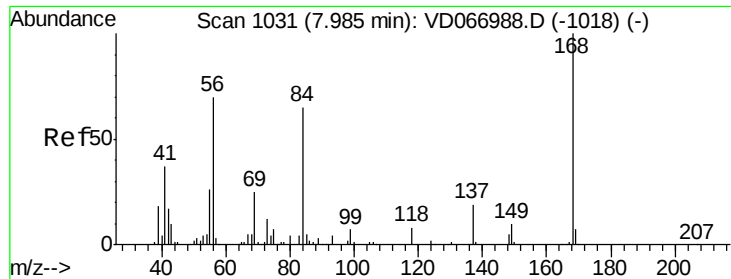
MMDadoda
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#30
Chloroform
Concen: 50.063 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.3	78.5





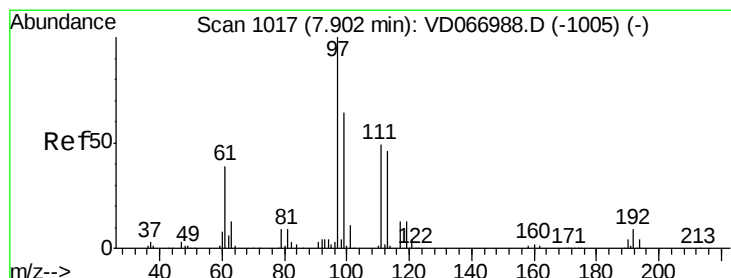
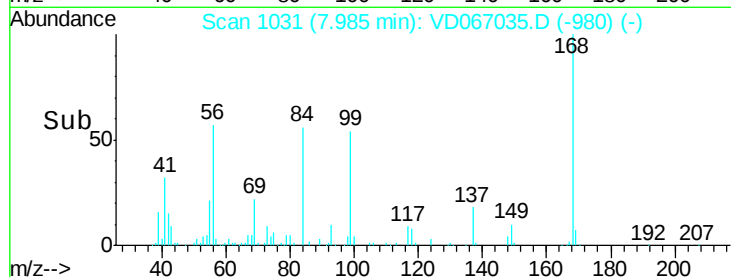
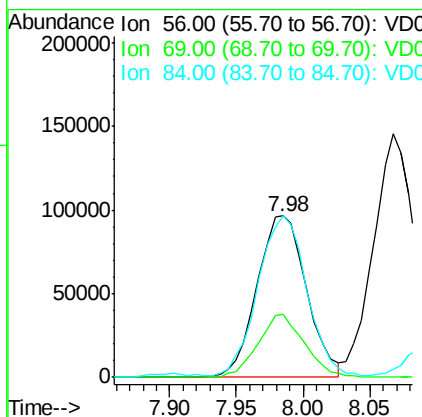
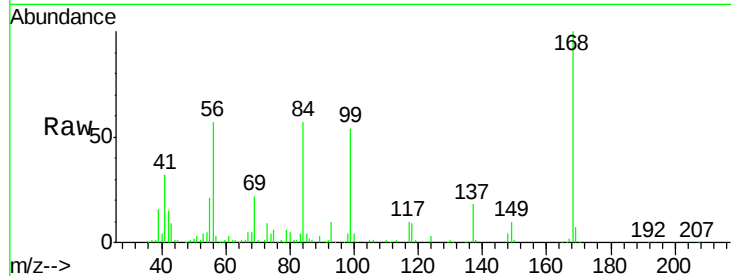
#31
Cyclohexane
Concen: 43.265 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	29.0	43.6
84	98.1	74.2	111.2

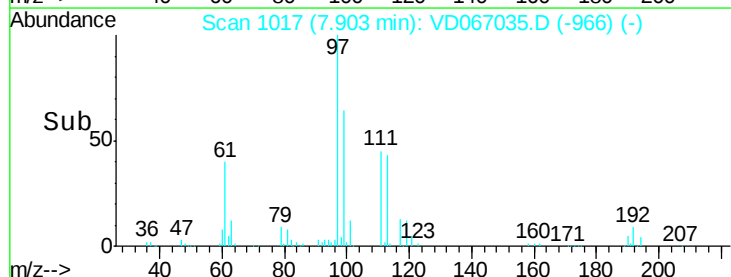
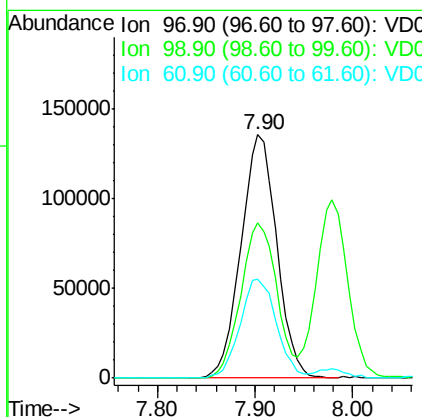
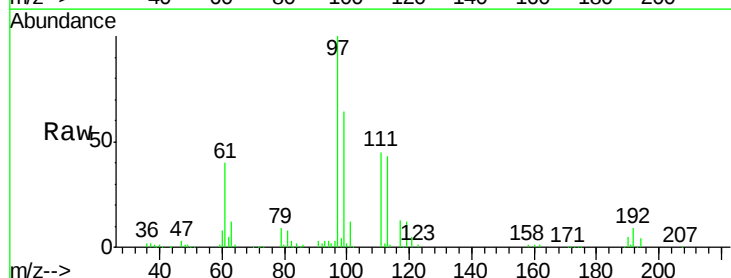
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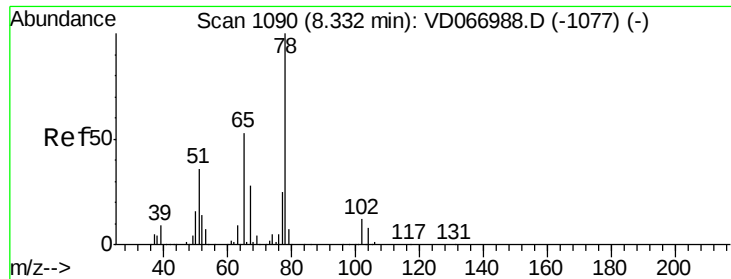
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#32
1,1,1-Trichloroethane
Concen: 50.327 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.6	78.8
61	41.7	32.8	49.2





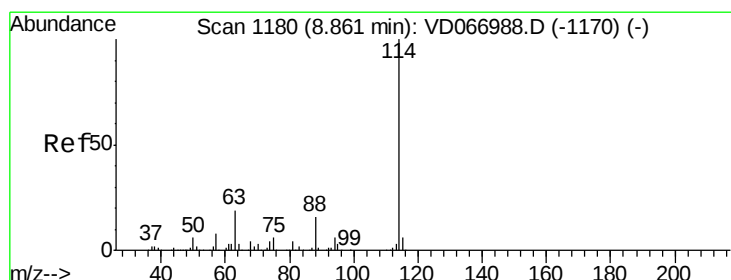
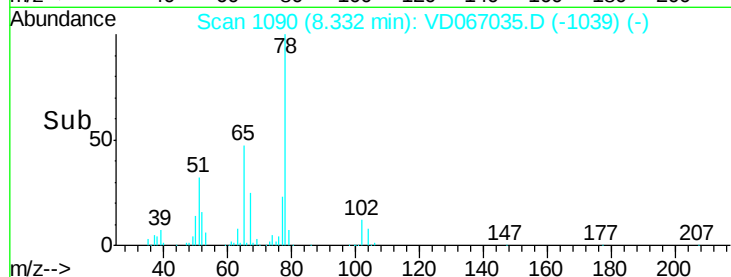
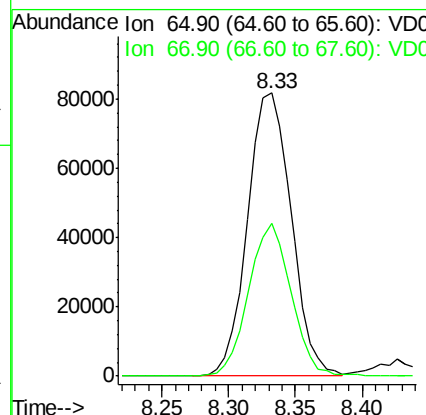
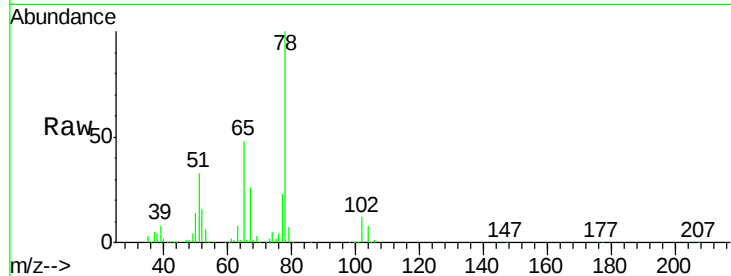
#33
 1,2-Dichloroethane-d4
 Concen: 48.499 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185516		
67	52.3	0.0	106.8	

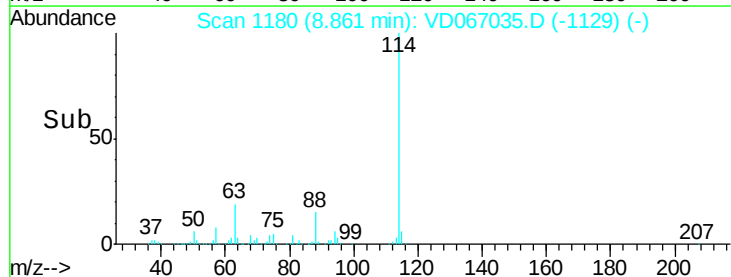
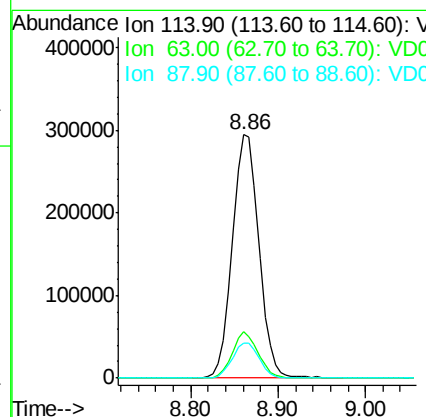
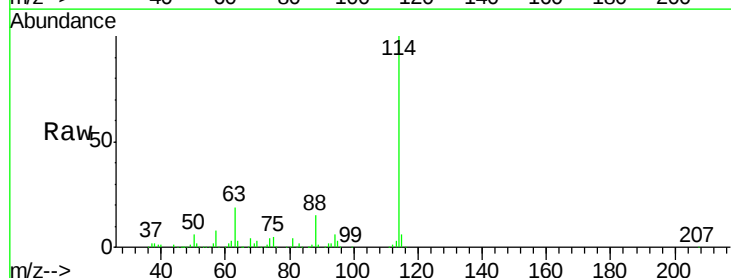
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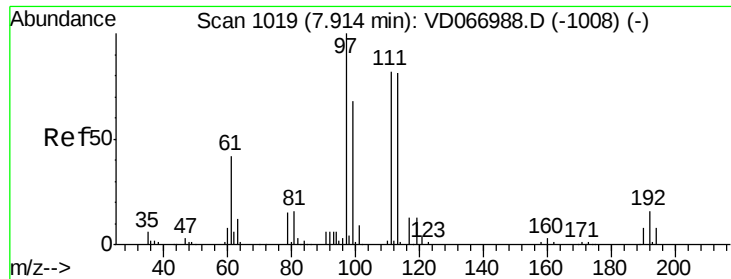
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	608853		
63	19.0	0.0	38.4	
88	14.6	0.0	31.2	





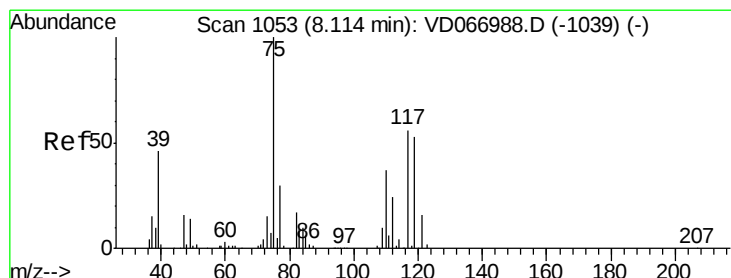
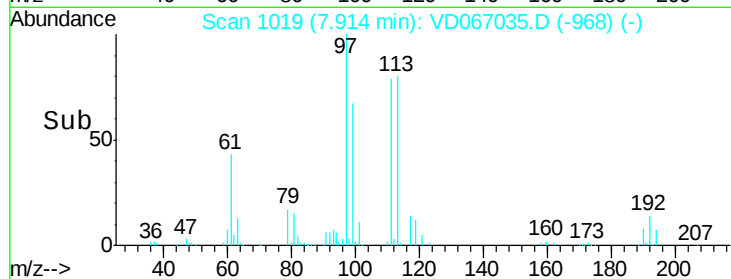
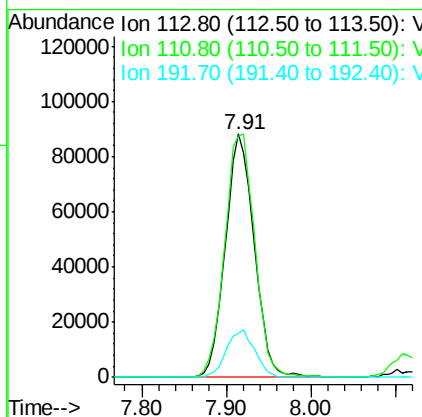
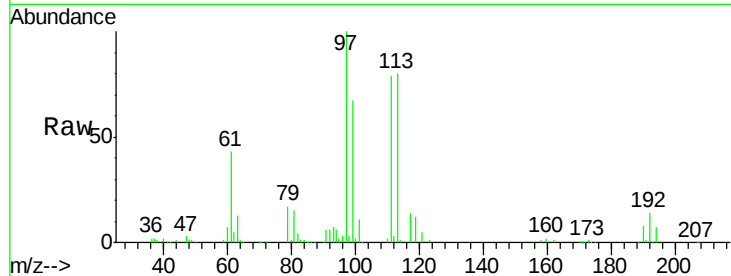
#35
 Dibromofluoromethane
 Concen: 52.085 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	207614		
111	104.3	83.0	124.4	
192	19.1	15.5	23.3	

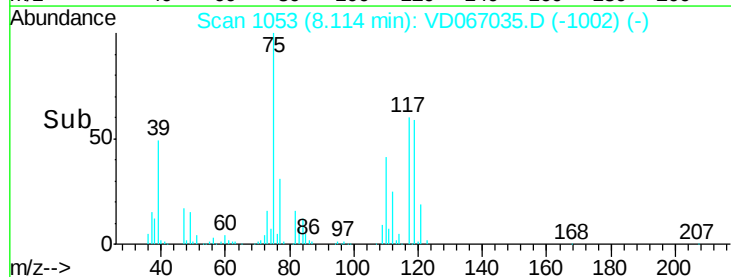
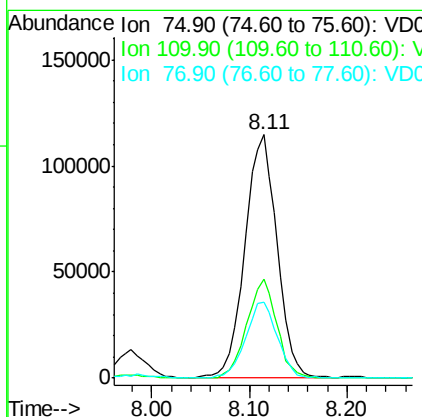
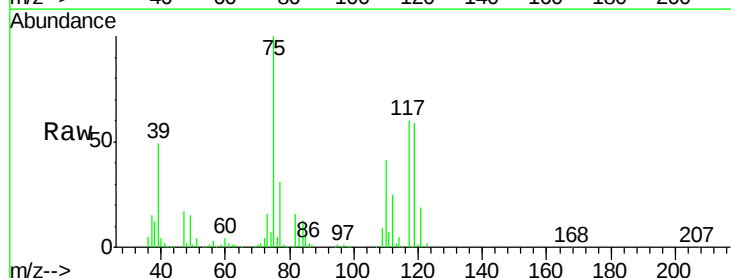
Manual Integrations
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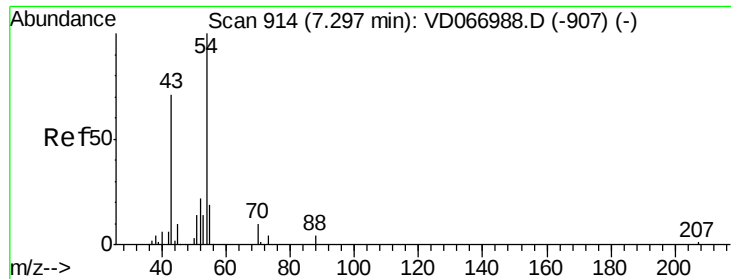
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#36
 1,1-Dichloropropene
 Concen: 46.786 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	265521		
110	37.8	18.4	55.0	
77	31.0	24.8	37.2	





#37

Ethyl Acetate

Concen: 42.615 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

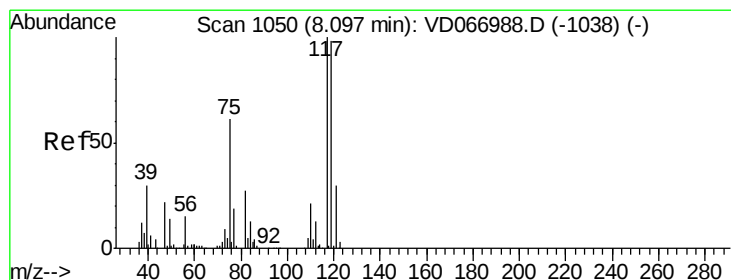
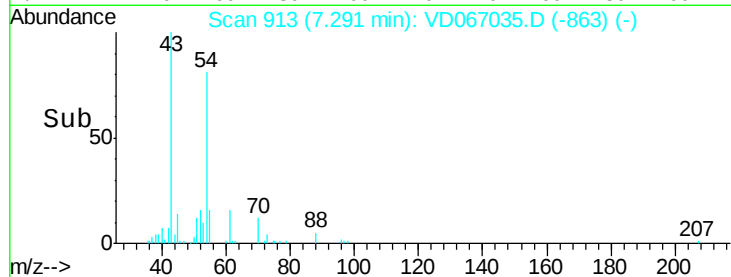
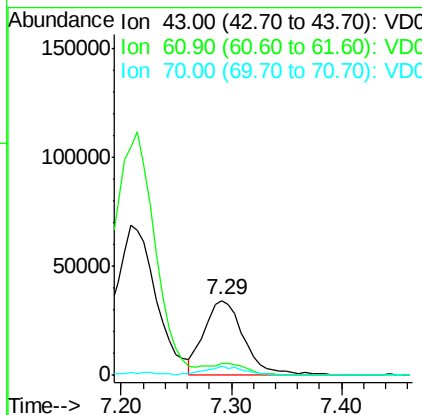
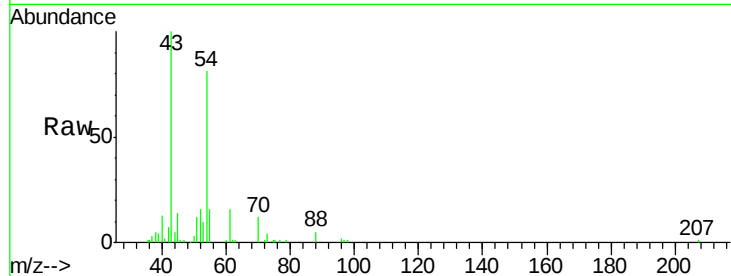
ClientSampleId :

B-15(3-4)MSD

Tot Ion:	43	Resp:	83783
Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.5	18.7
70	12.1	9.4	14.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 51.326 ug/l

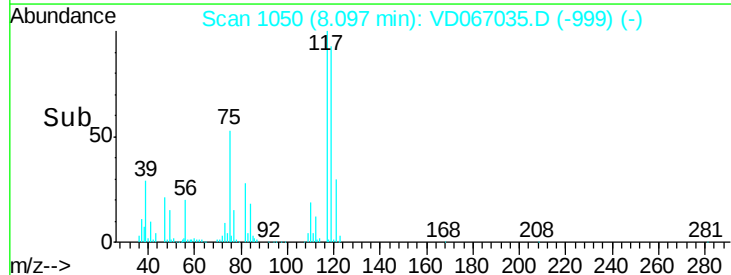
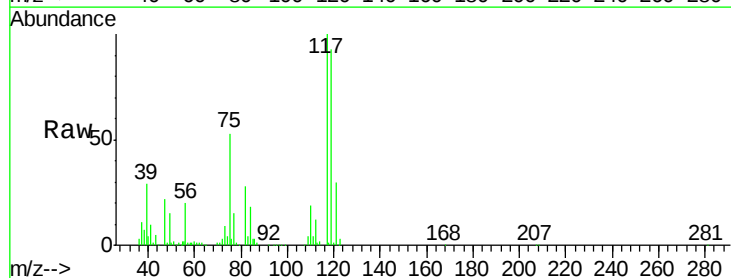
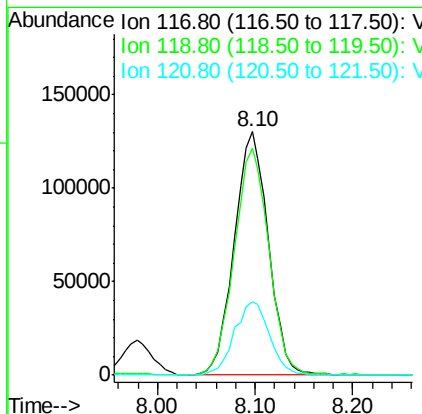
RT: 8.10 min Scan# 1050

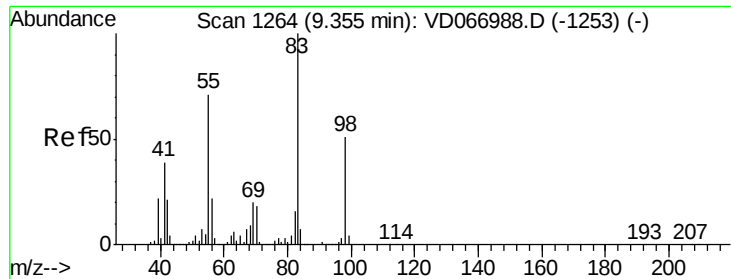
Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion:	117	Resp:	315166
Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.7	118.1
121	30.1	24.2	36.2





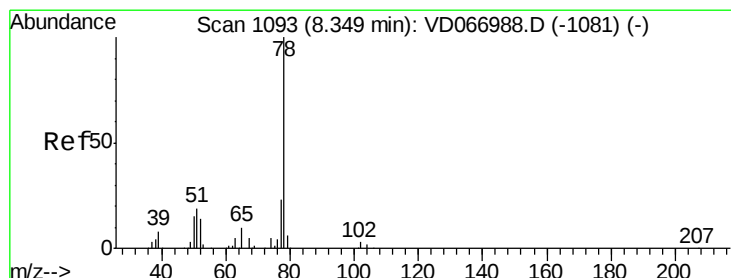
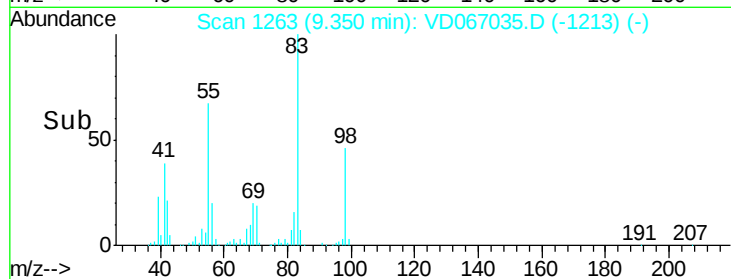
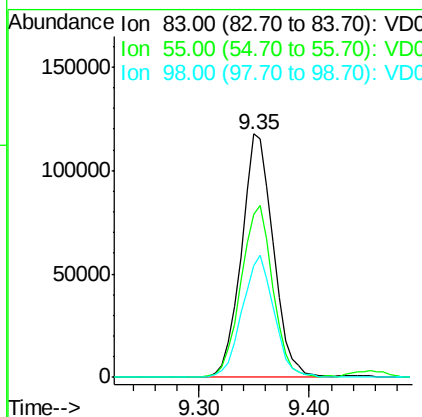
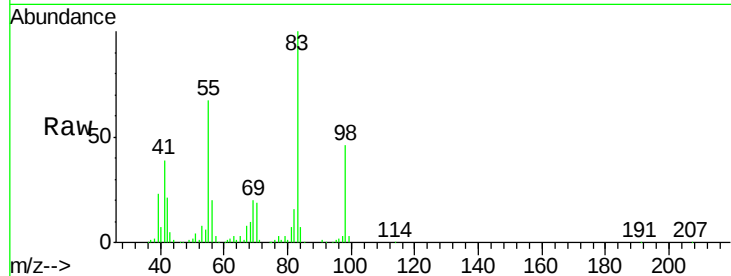
#39
Methylvlcyclohexane
Concen: 39.838 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	57.1	85.7
98	45.8	40.9	61.3

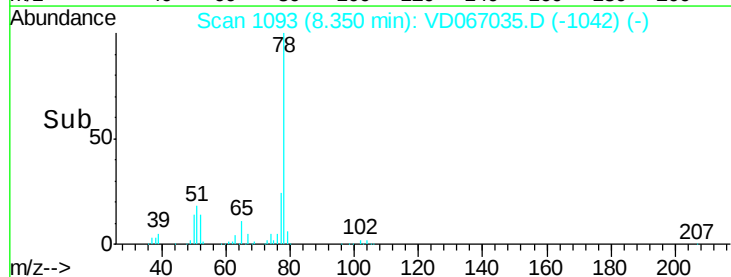
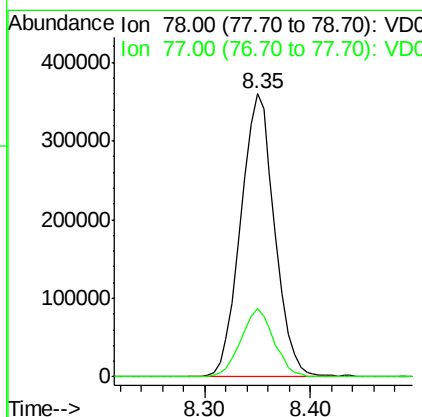
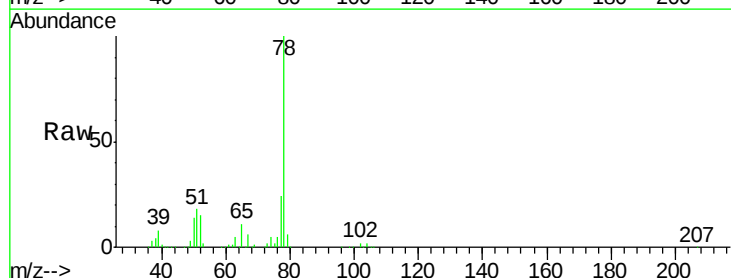
Manual Integrations
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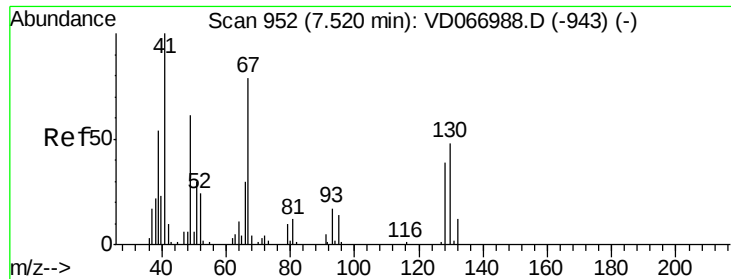
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#40
Benzene
Concen: 50.935 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.4	27.6





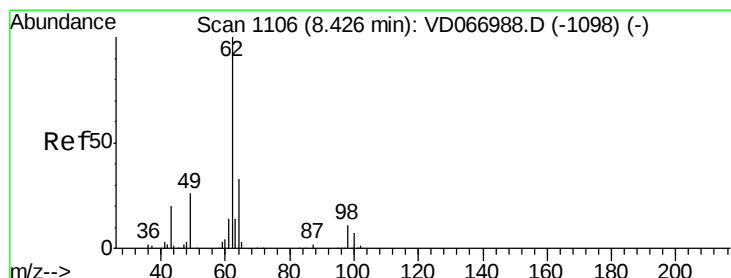
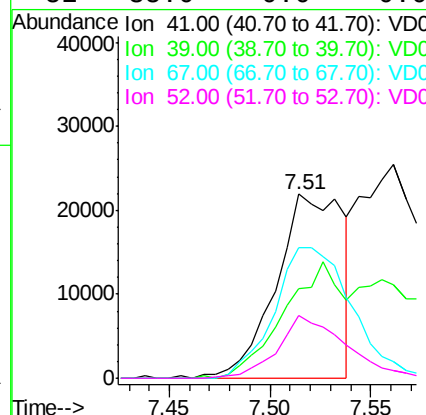
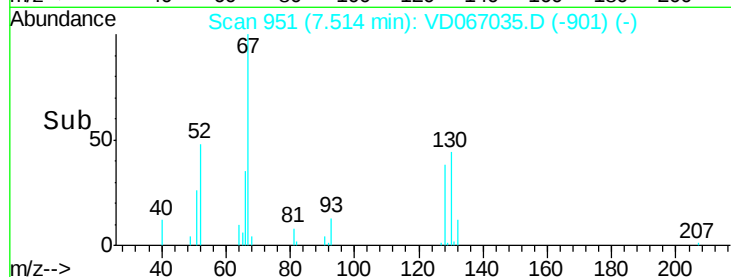
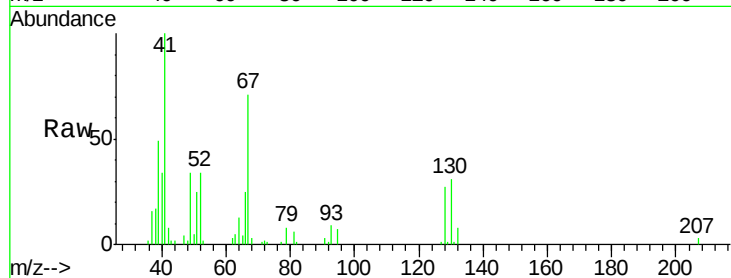
#41
Methacrylonitrile
Concen: 48.061 ug/l m
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.8	0.0	0.0#
67	82.1	0.0	0.0#
52	35.0	0.0	0.0#

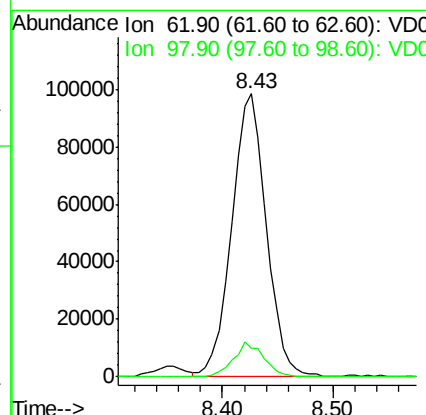
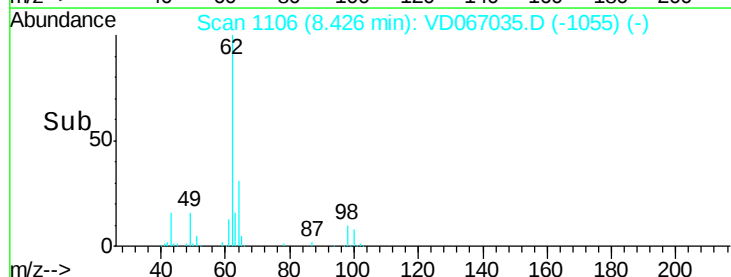
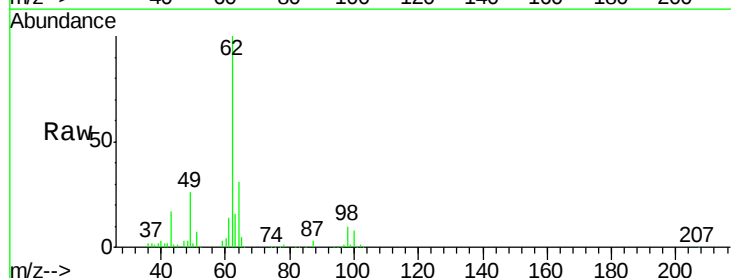
Manual Integrations
APPROVED

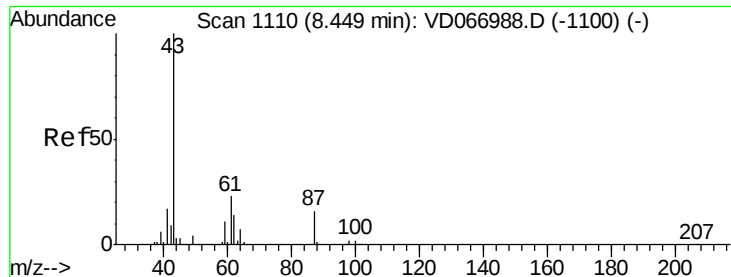
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.686 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.6





#43

Isopropyl Acetate

Concen: 44.715 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

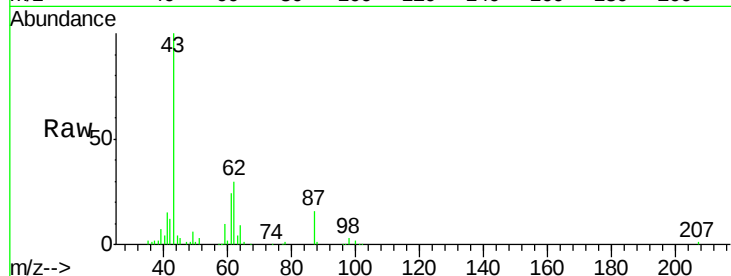
ClientSampleId :

B-15(3-4)MSD

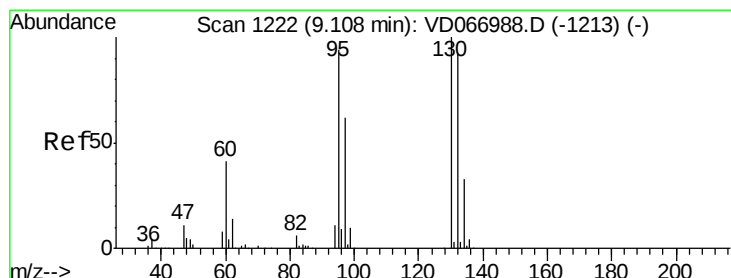
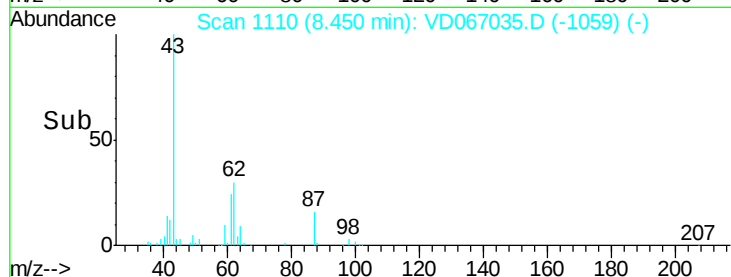
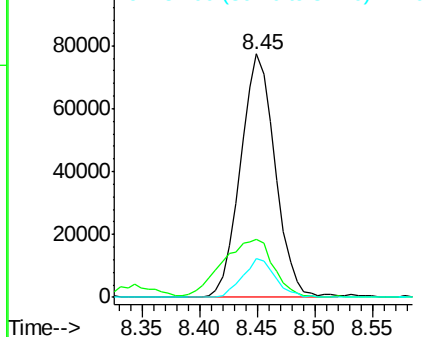
Tot Ion:	43	Resp:	161953
Ion	Ratio	Lower	Upper
43	100		
61	34.3	27.1	40.7
87	15.1	12.3	18.5

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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: 47.800 ug/l

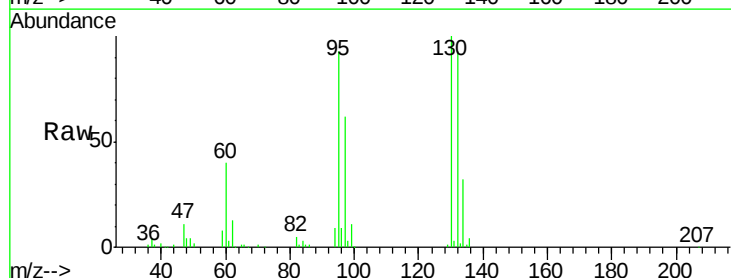
RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

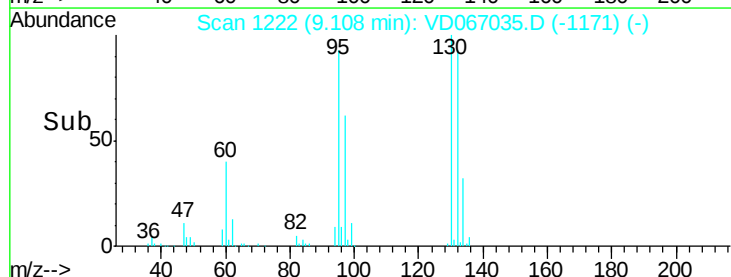
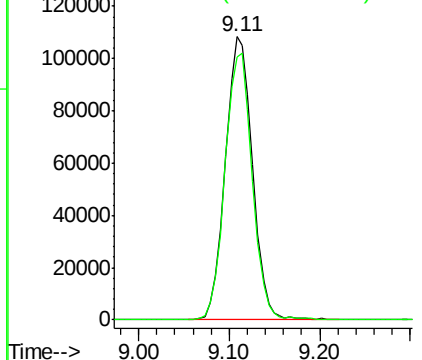
Lab File: VD067035.D

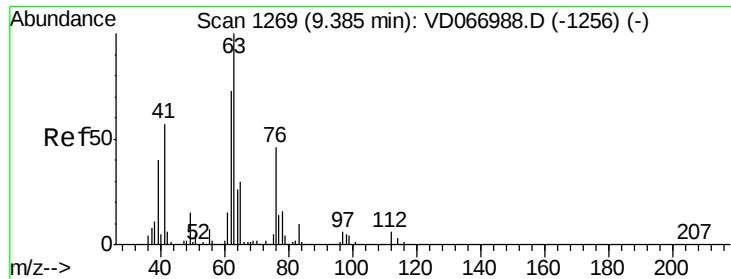
Acq: 02 Oct 2020 15:03

Tgt Ion:	130	Resp:	224997
Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.190 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 63 Resp: 193297

Ion Ratio Lower Upper

63 100

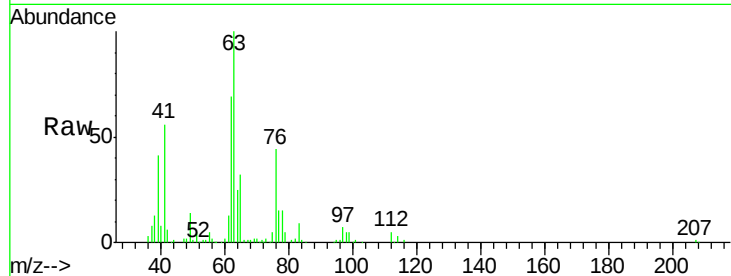
65 31.8 23.7 35.5

Manual Integrations

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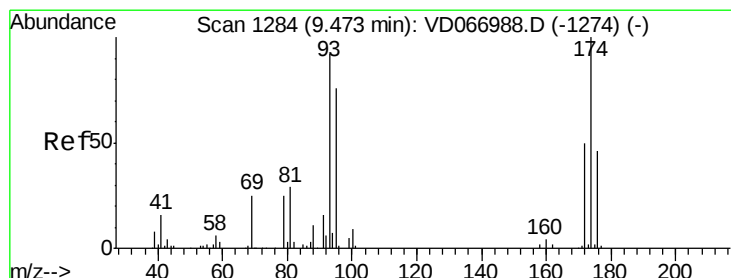
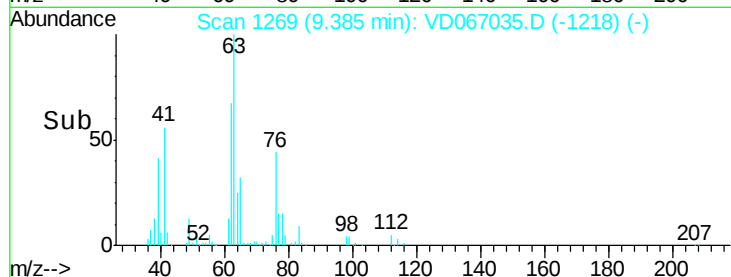
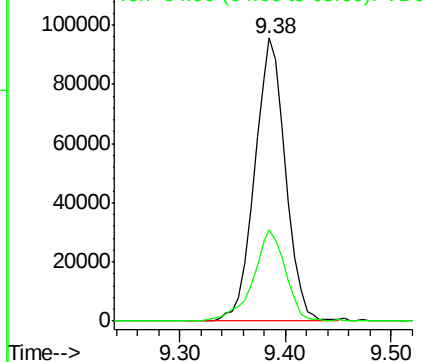
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.695 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

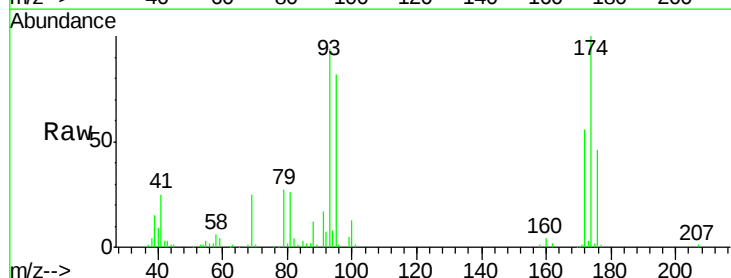
Tgt Ion: 93 Resp: 101530

Ion Ratio Lower Upper

93 100

95 83.1 64.7 97.1

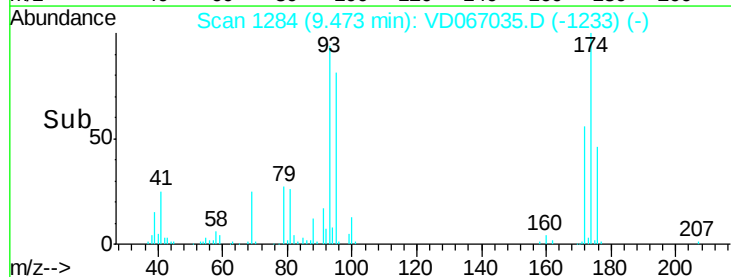
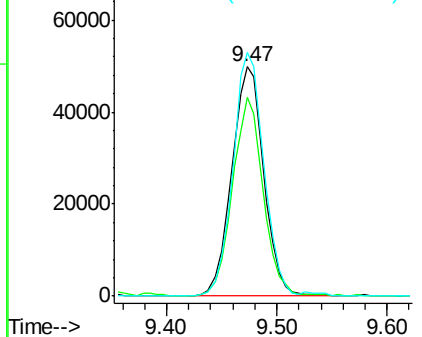
174 102.2 81.4 122.2

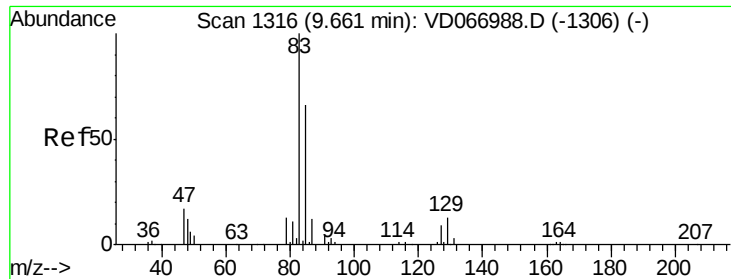


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





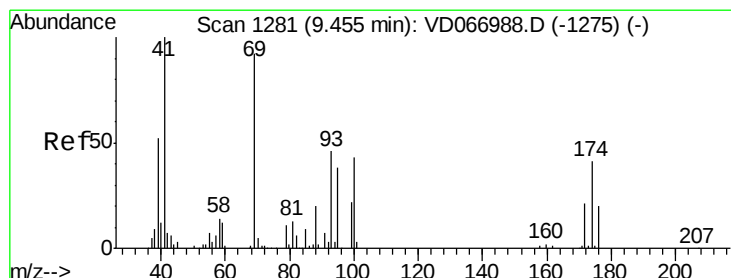
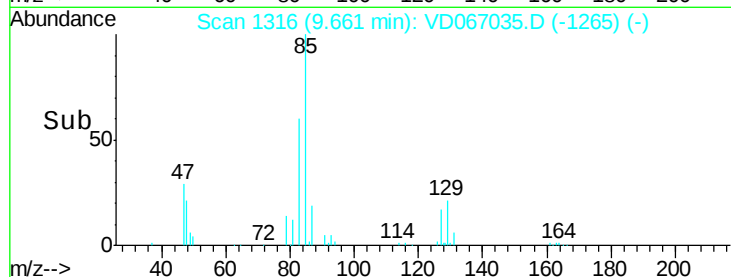
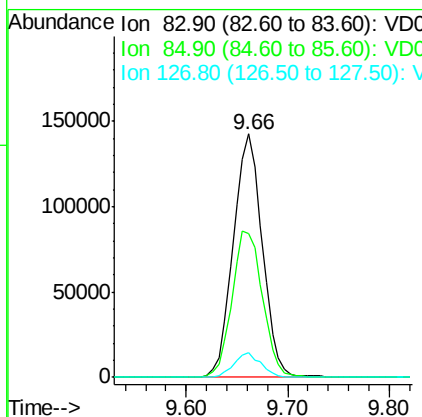
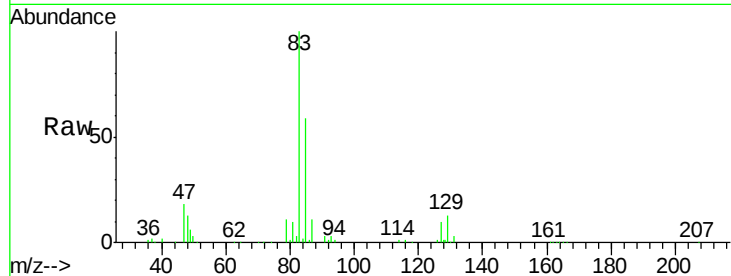
#47
Bromodichloromethane
Concen: 51.195 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	283286		
85	59.0		52.9	79.3
127	10.0		7.3	10.9

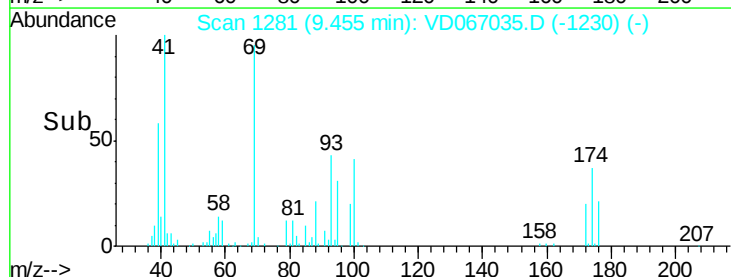
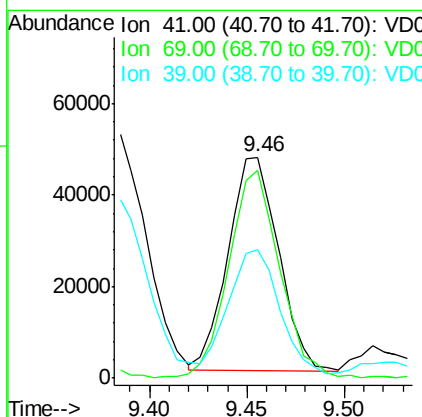
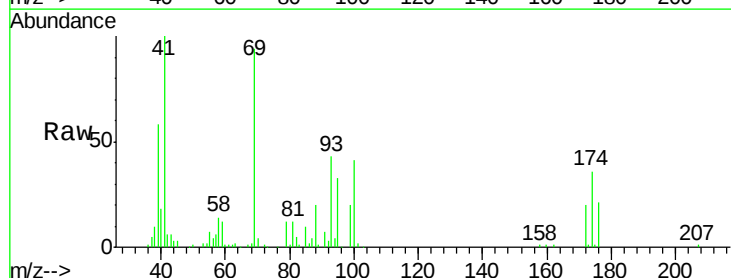
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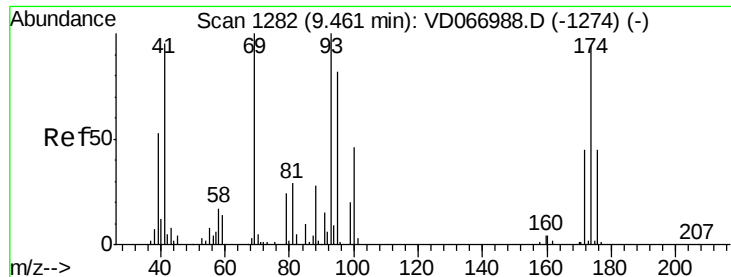
MMDadoda
10/5/2020 5:34:30 PM



#48
Methyl methacrylate
Concen: 45.103 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	83690		
69	98.7		68.5	102.7
39	62.8		40.2	60.2#





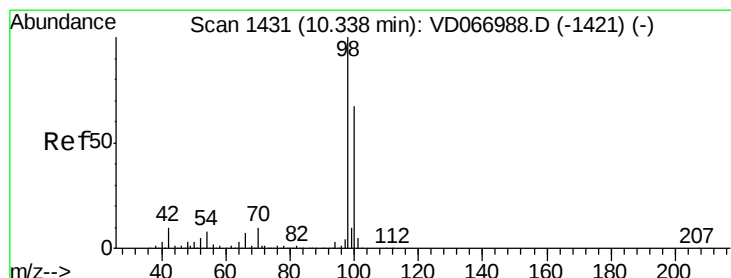
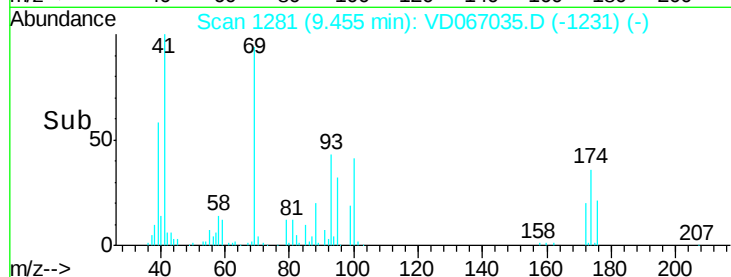
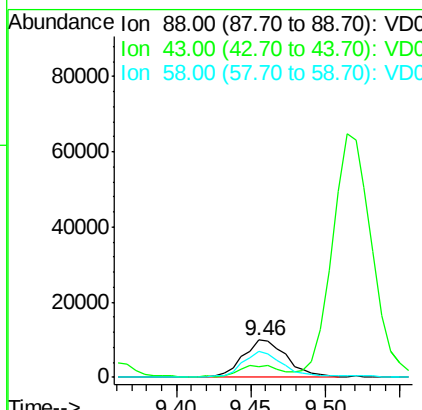
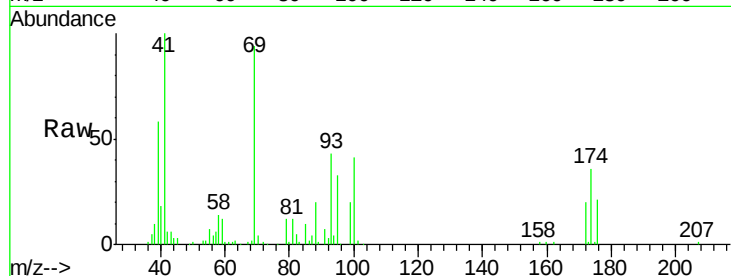
#49
1,4-Dioxane
Concen: 912.945 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	88	Resp	20283
Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.6	38.4
58	65.8	53.5	80.3

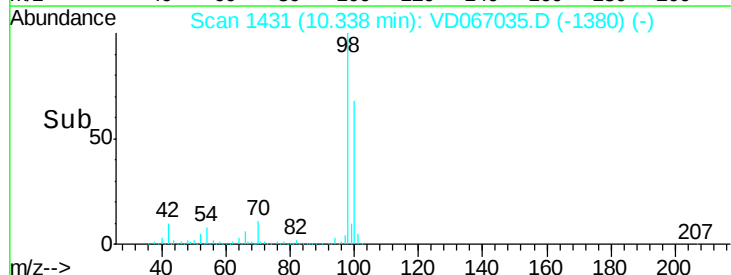
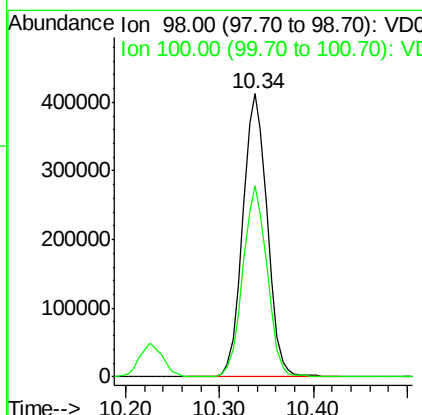
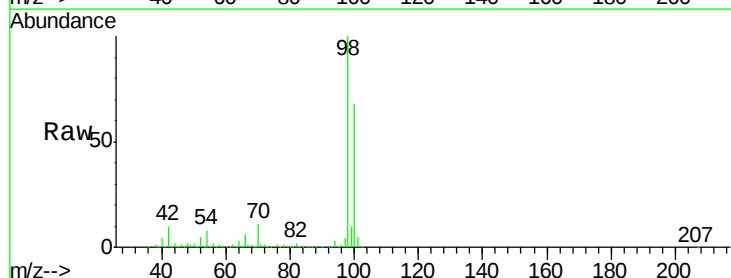
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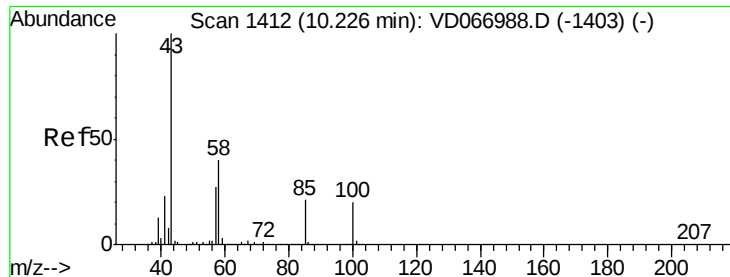
MMDadoda
10/5/2020 5:34:30 PM



#50
Toluene-d8
Concen: 51.062 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	98	Resp	741664
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 235.992 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 43 Resp: 425740

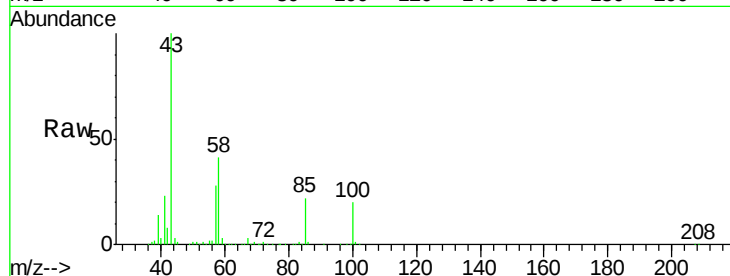
Ion Ratio Lower Upper

43 100

58 41.3 33.8 50.8

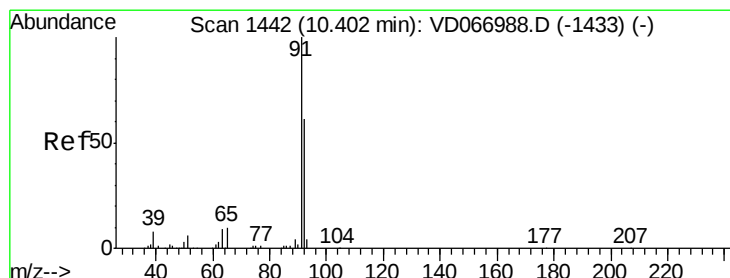
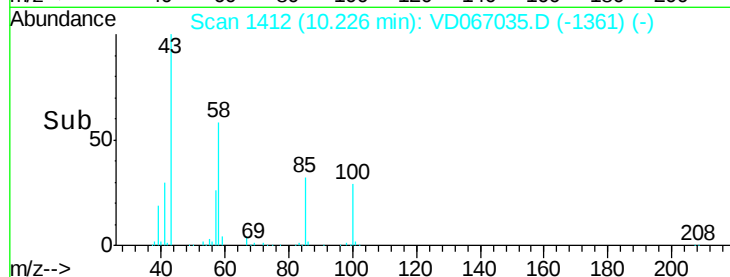
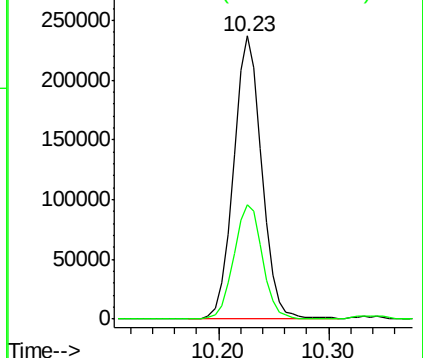
Manual Integrations
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MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.205 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067035.D

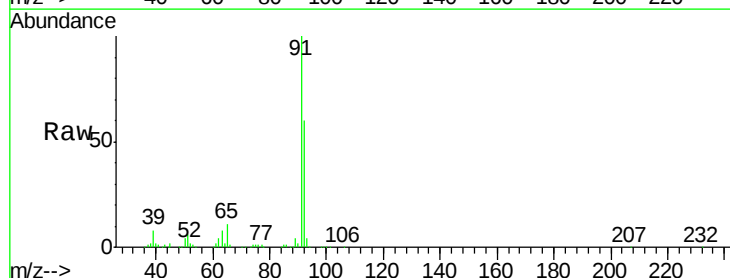
Acq: 02 Oct 2020 15:03

Tgt Ion: 92 Resp: 519942

Ion Ratio Lower Upper

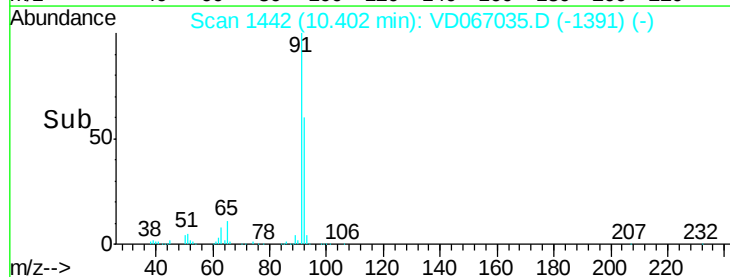
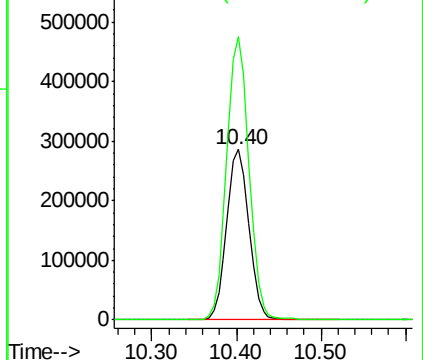
92 100

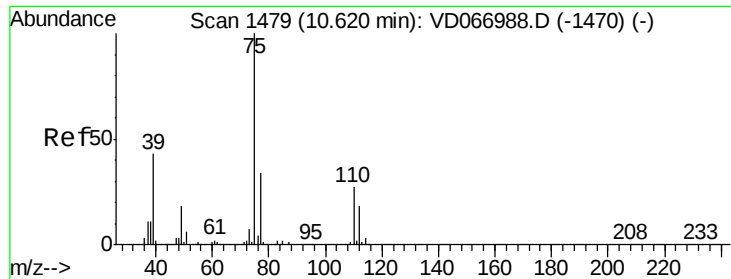
91 166.1 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





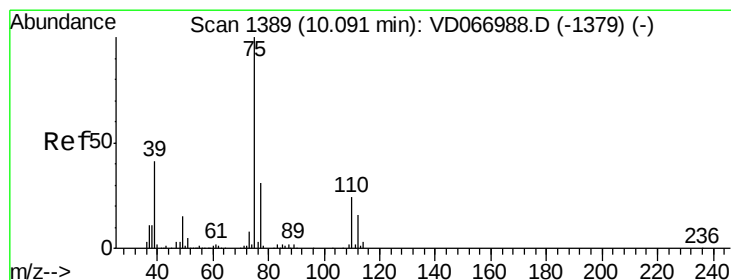
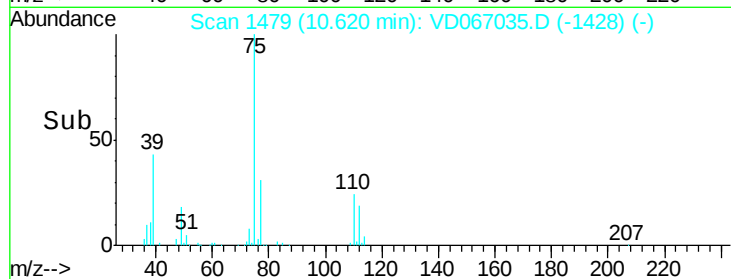
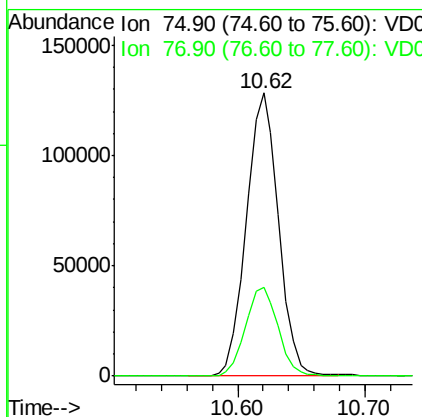
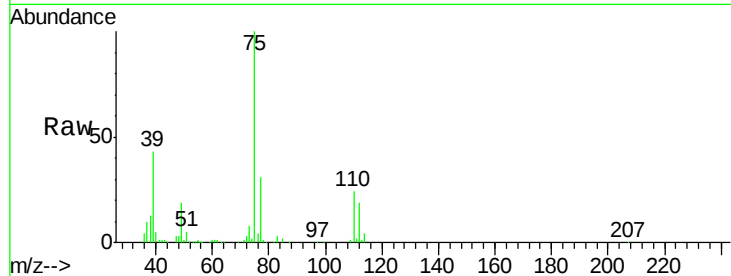
#53
 t-1,3-Dichloropropene
 Concen: 45.816 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	27.1	40.7

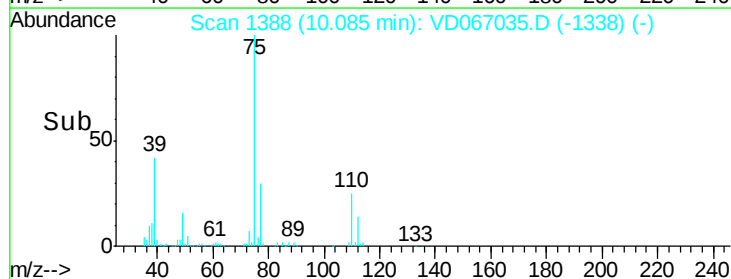
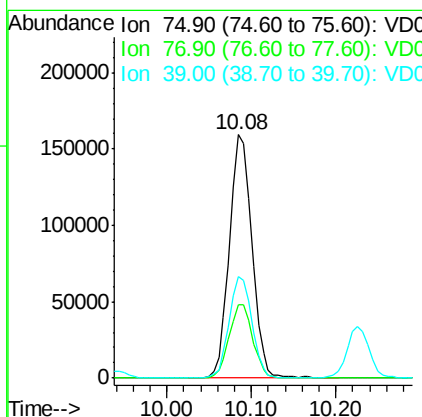
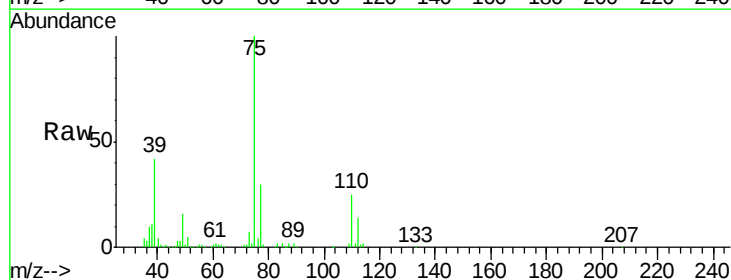
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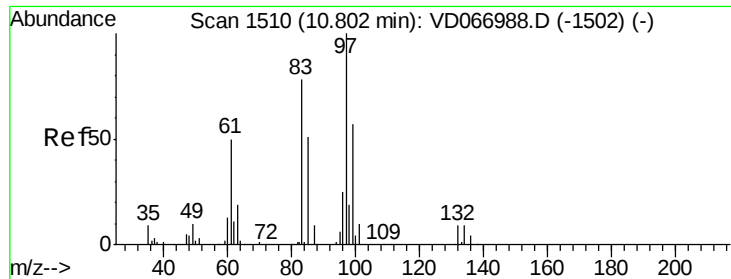
MMDadoda
 10/5/2020 5:34:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.363 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.6	37.0
39	41.2	33.0	49.4





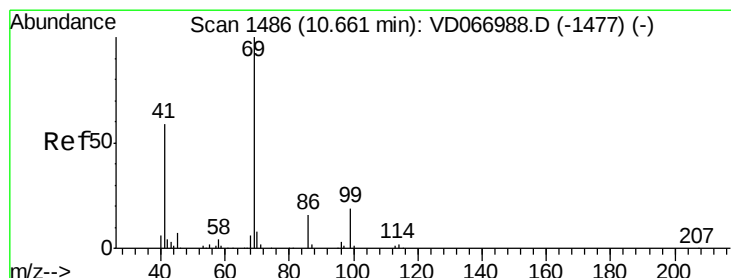
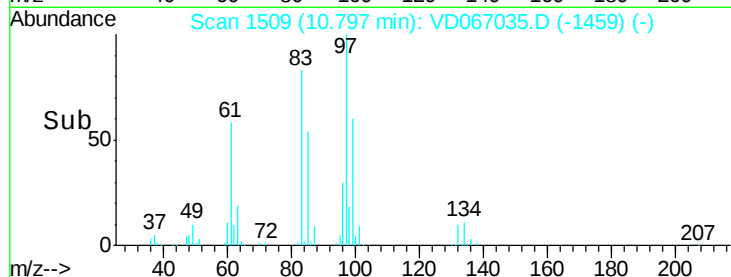
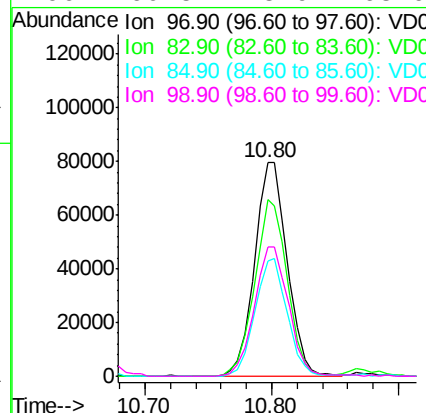
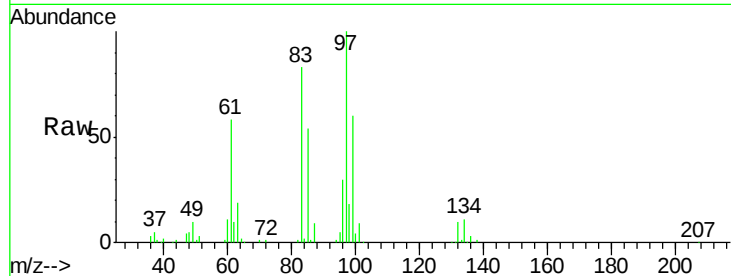
#55
 1,1,2-Trichloroethane
 Concen: 48.314 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		142990		
83	82.8	62.4	93.6		
85	53.7	41.0	61.4		
99	60.5	45.9	68.9		

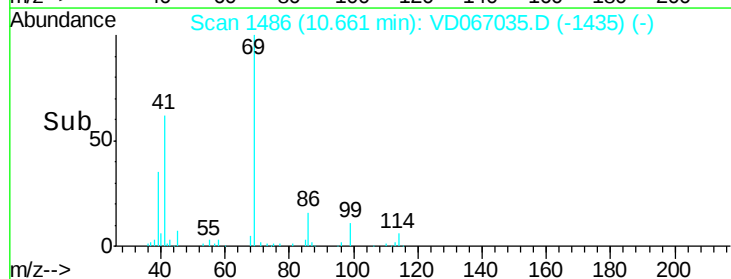
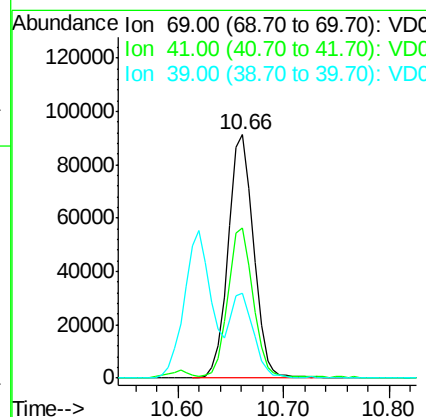
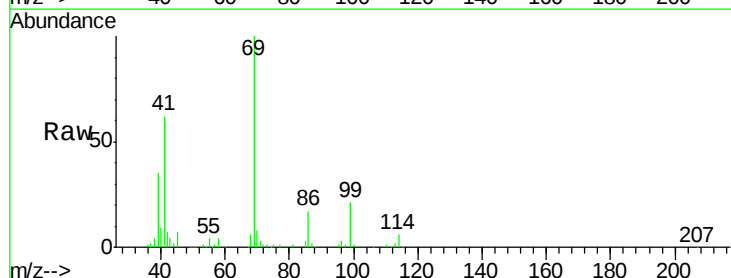
Manual Integrations
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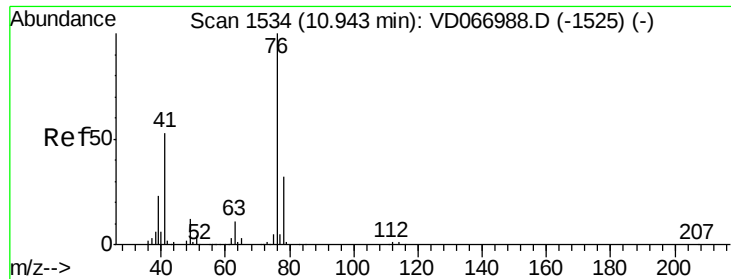
MMDadoda
 10/5/2020 5:34:30 PM



#56
 Ethyl methacrylate
 Concen: 50.012 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		152817		
41	61.1	46.4	69.6		
39	30.9	23.8	35.6		





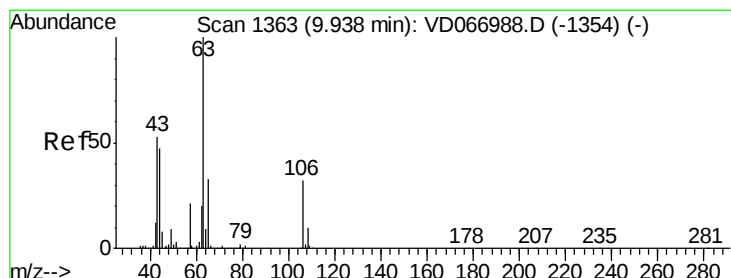
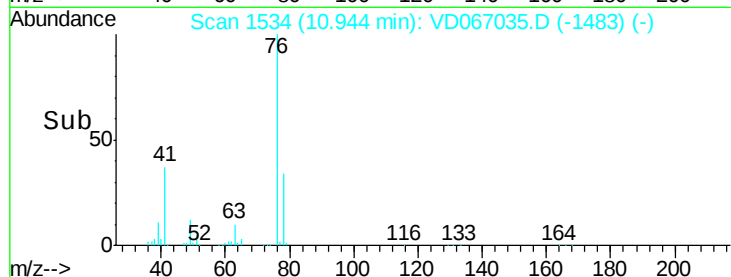
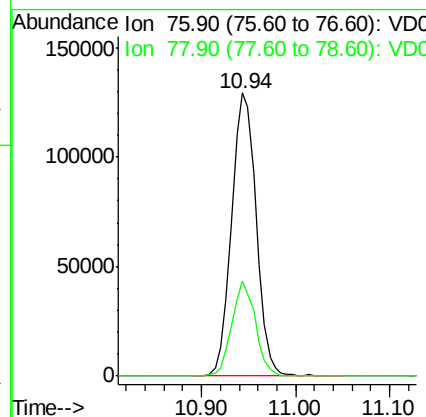
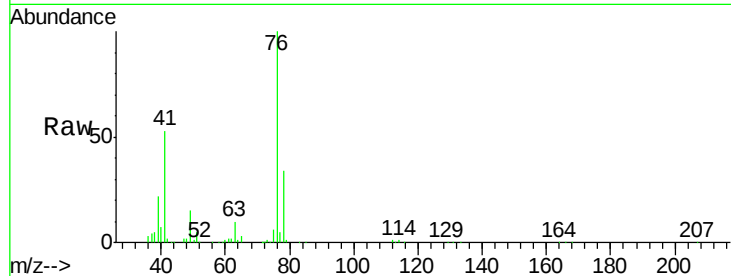
#57
 1,3-Dichloropropane
 Concen: 49.015 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

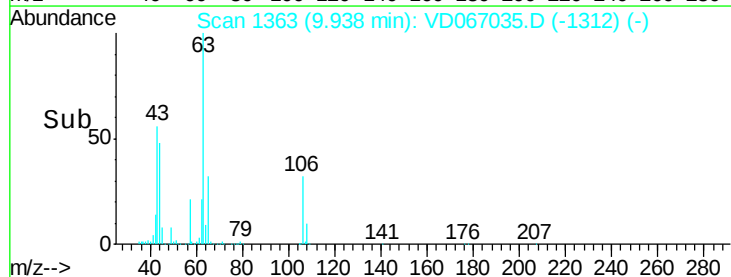
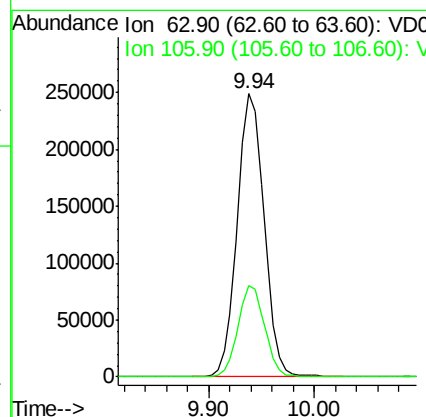
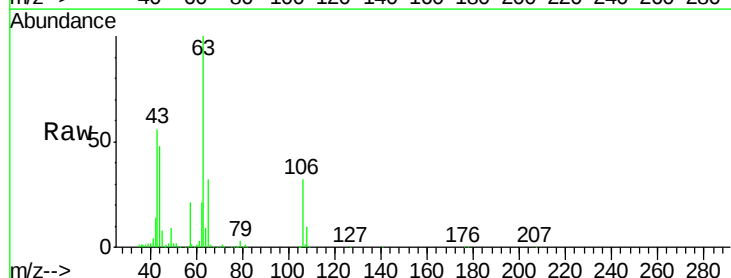
Manual Integrations
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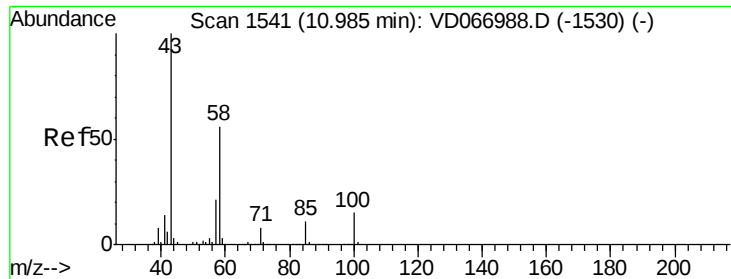
MMDadoda
 10/5/2020 5:34:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.245 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	25.3	37.9





#59

2-Hexanone

Concen: 236.285 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 43 Resp: 284510

Ion Ratio Lower Upper

43 100

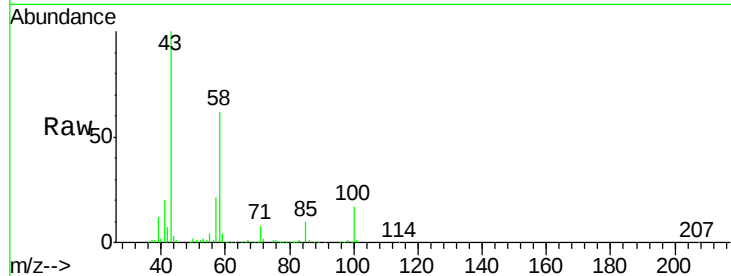
58 58.3 28.3 84.9

Manual Integrations

APPROVED

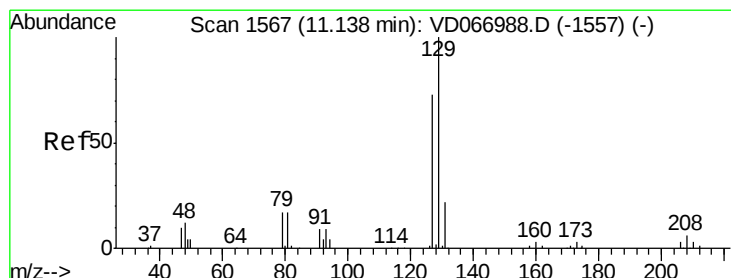
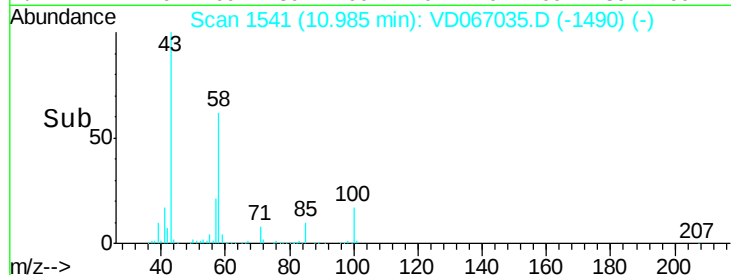
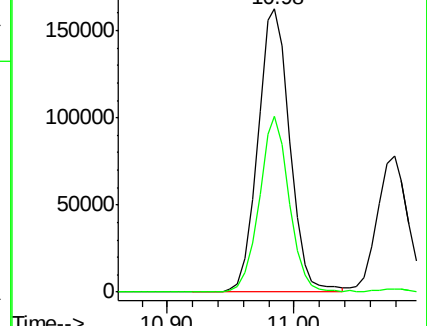
MMDadoda

10/5/2020 5:34:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 48.914 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD067035.D

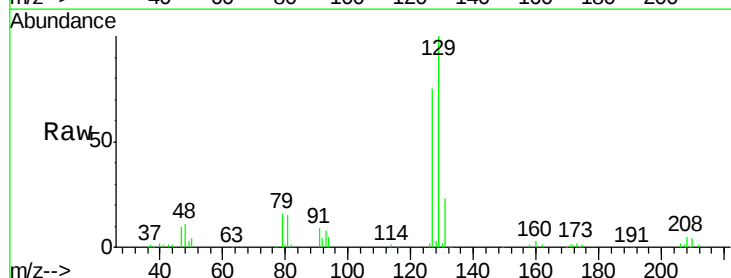
Acq: 02 Oct 2020 15:03

Tgt Ion: 129 Resp: 192947

Ion Ratio Lower Upper

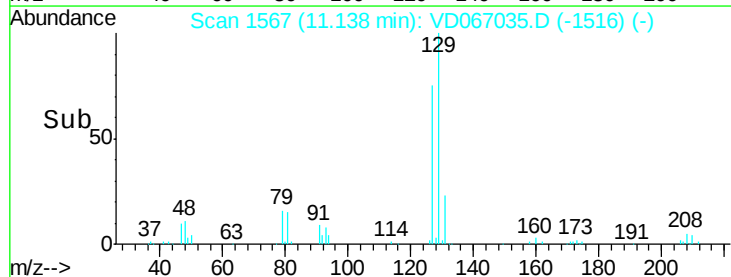
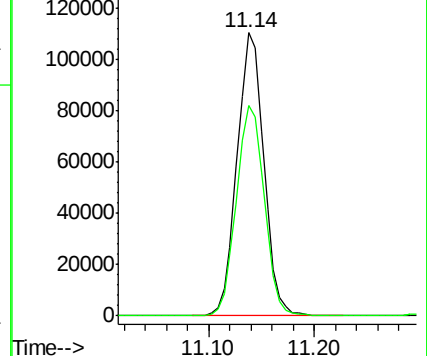
129 100

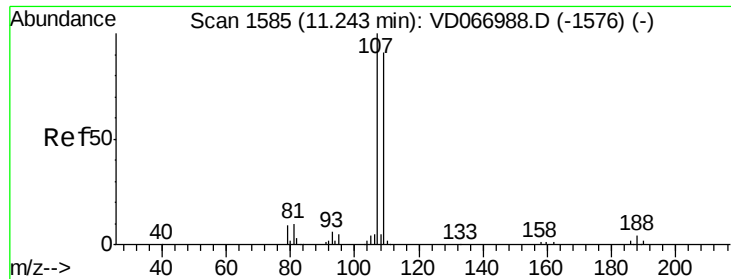
127 77.4 37.4 112.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





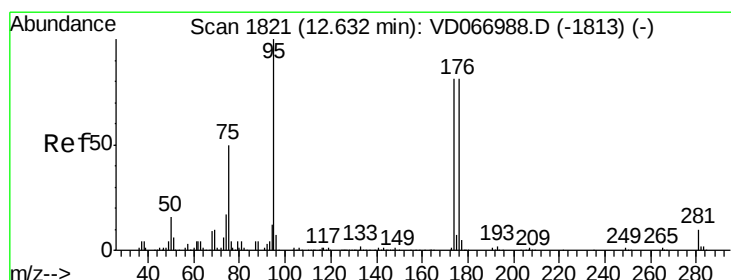
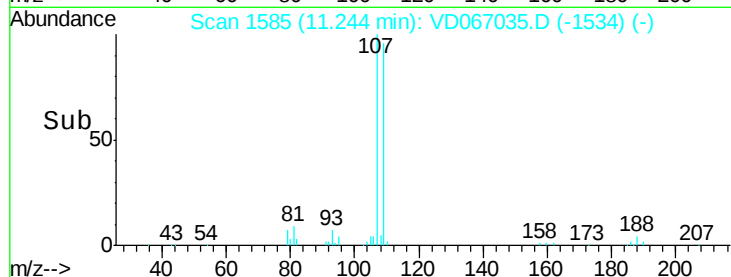
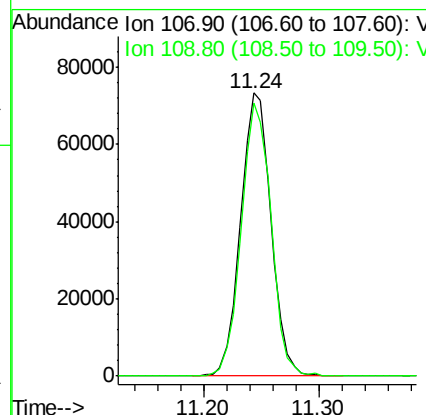
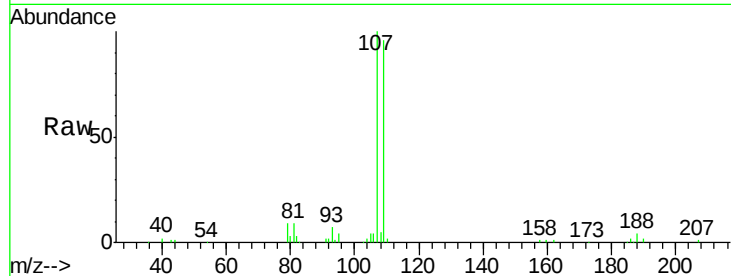
#61
 1,2-Dibromoethane
 Concen: 46.991 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	133611		
109	94.8	74.0	111.0	

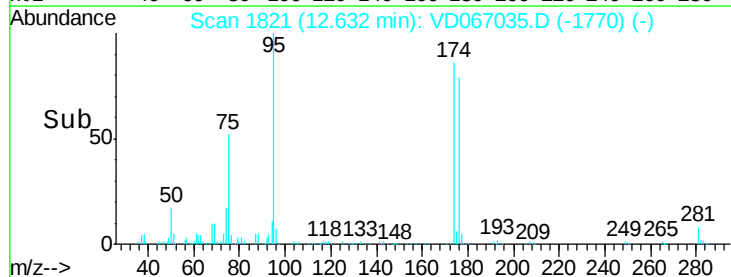
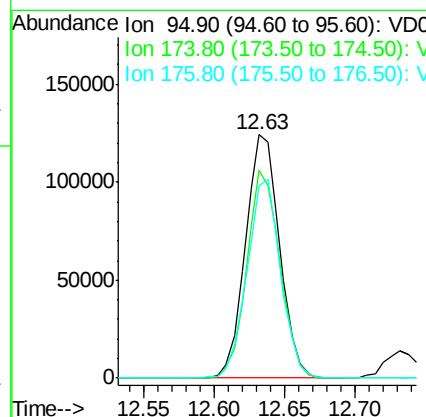
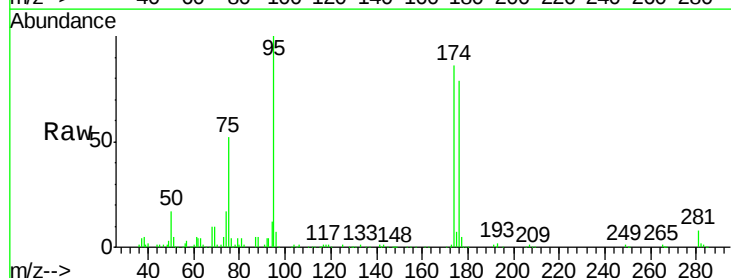
Manual Integrations
 APPROVED

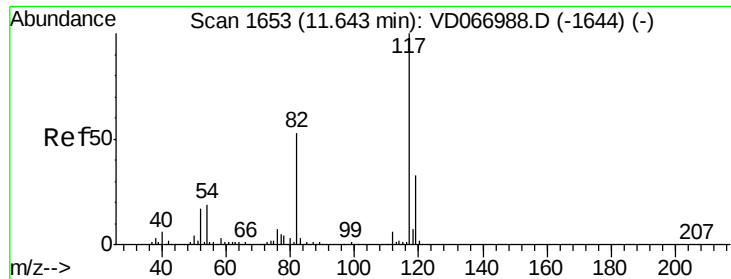
MMDadoda
 10/5/2020 5:34:30 PM



#62
 4-Bromofluorobenzene
 Concen: 42.549 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	209799		
174	83.1	0.0	167.6	
176	80.7	0.0	162.4	





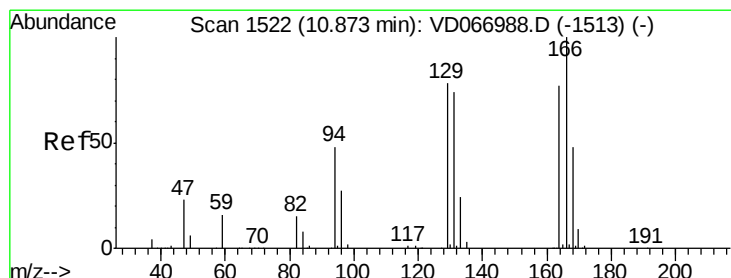
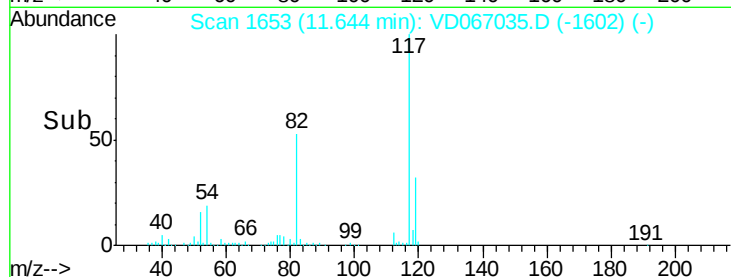
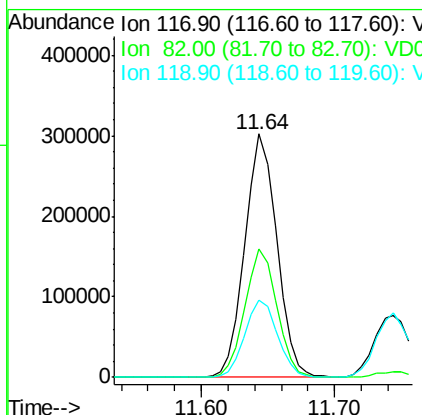
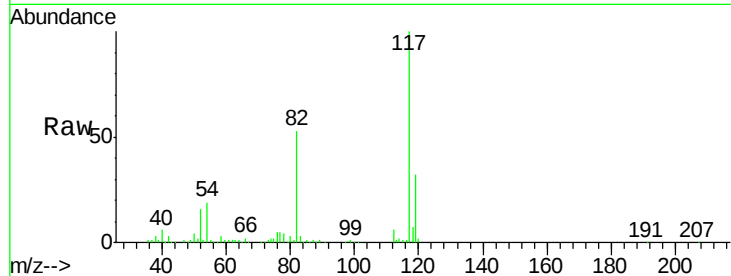
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	502120		
82	52.5		42.6	63.8
119	31.8		26.3	39.5

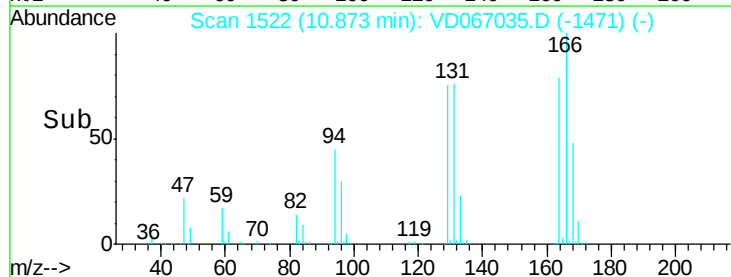
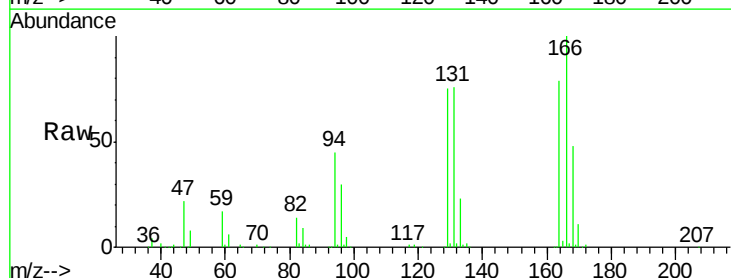
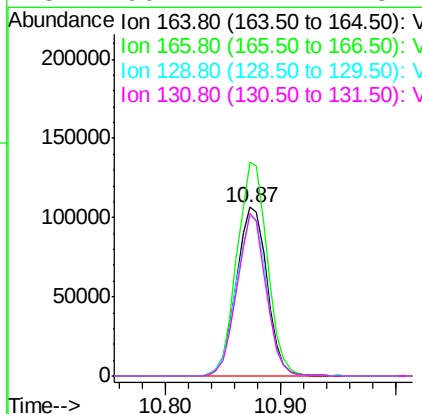
Manual Integrations
APPROVED

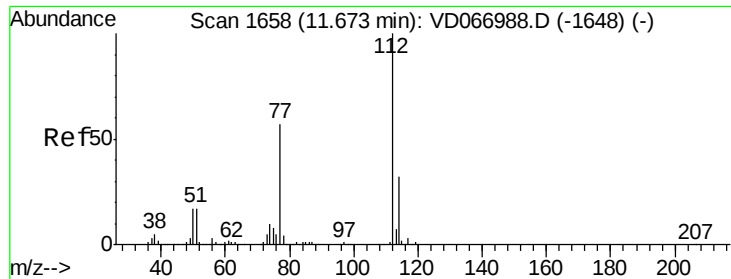
MMDadoda
10/5/2020 5:34:30 PM



#64
Tetrachloroethene
Concen: 53.898 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196749		
166	126.5		104.4	156.6
129	94.5		81.3	121.9
131	96.4		77.1	115.7





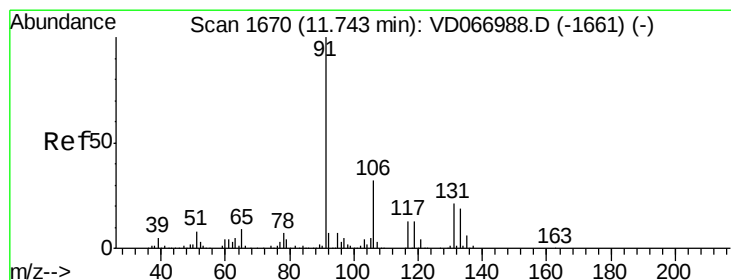
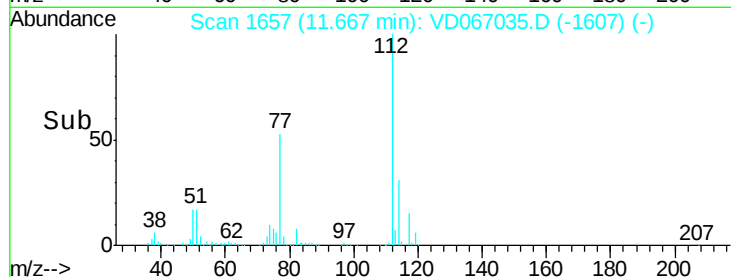
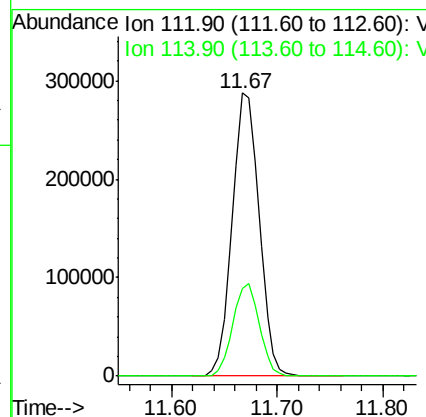
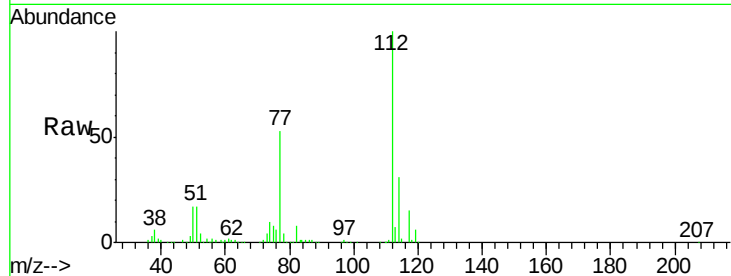
#65
Chlorobenzene
Concen: 50.842 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.0

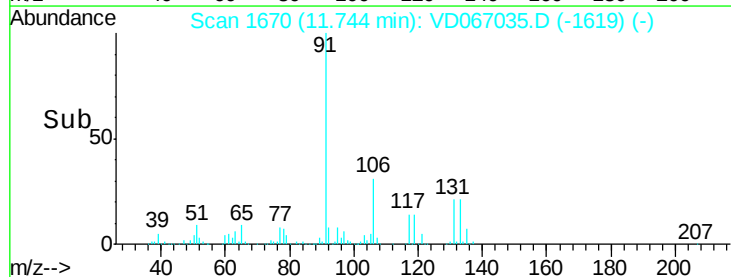
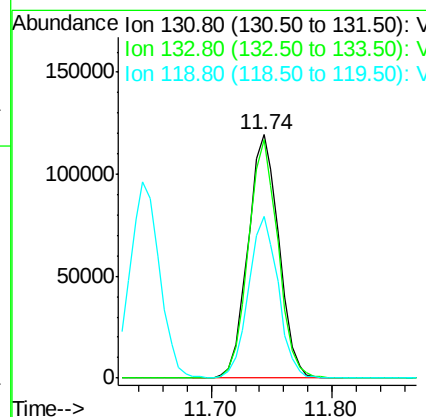
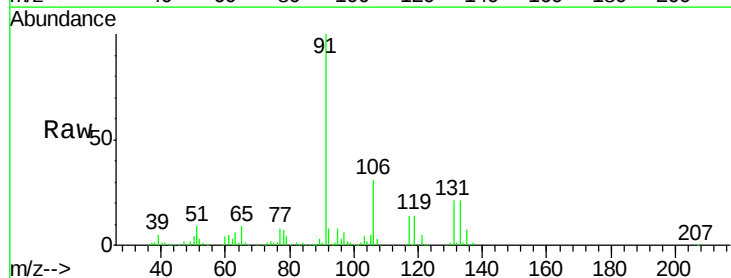
Manual Integrations
APPROVED

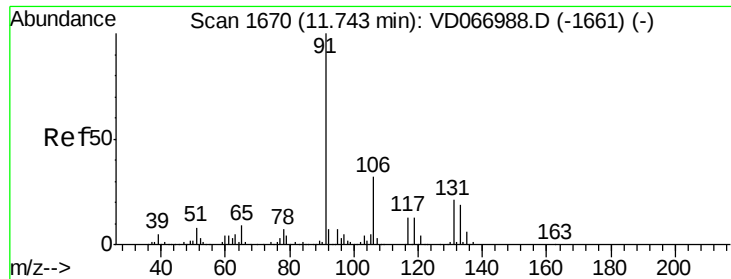
MMDadoda
10/5/2020 5:34:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.059 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.8	143.3
119	63.9	32.3	96.8





#67

Ethyl Benzene

Concen: 52.926 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 91 Resp: 905612

Ion Ratio Lower Upper

91 100

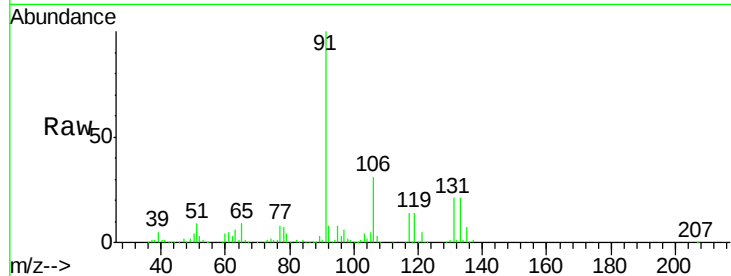
106 31.2 25.4 38.2

Manual Integrations

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MMDadoda

10/5/2020 5:34:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD066988.D (-1661) (-)

800000

600000

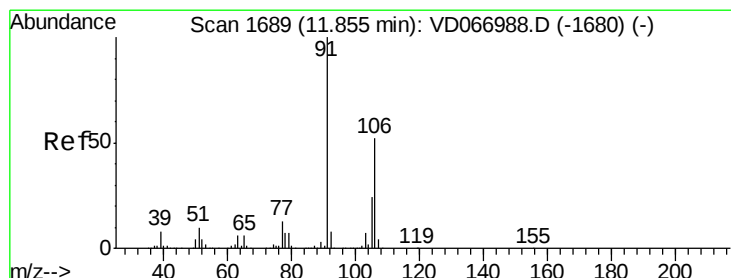
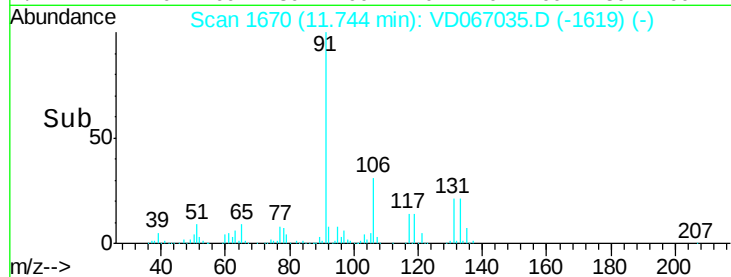
400000

200000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 104.557 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067035.D

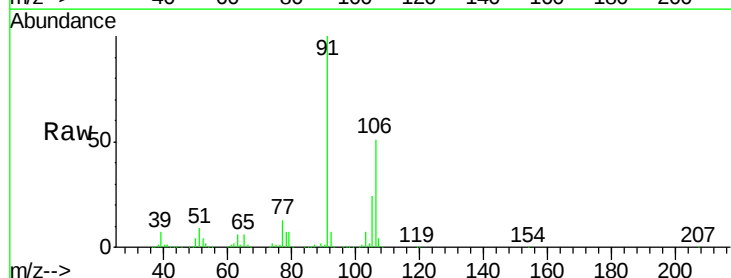
Acq: 02 Oct 2020 15:03

Tgt Ion: 106 Resp: 697224

Ion Ratio Lower Upper

106 100

91 199.3 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): VD066988.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066988.D (-1680) (-)

800000

600000

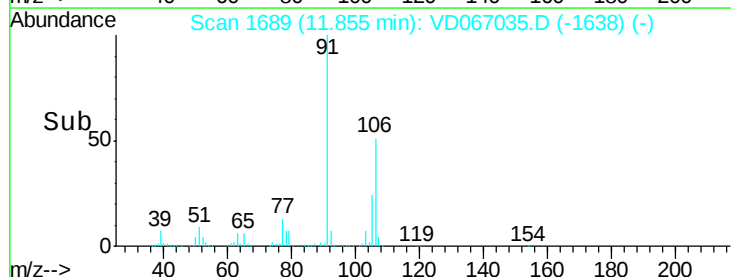
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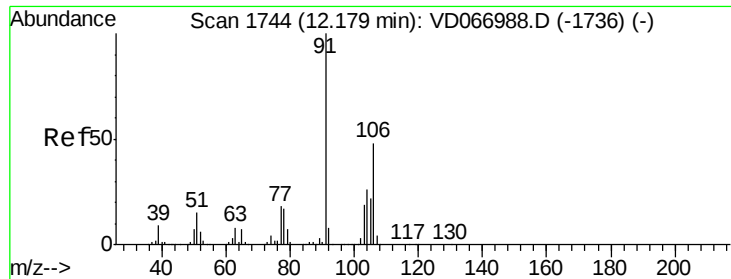
200000

0

11.80 11.90

Time-->





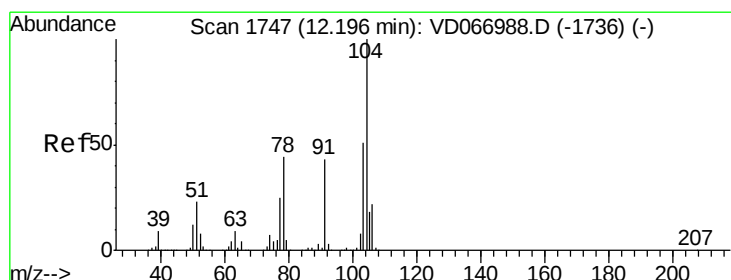
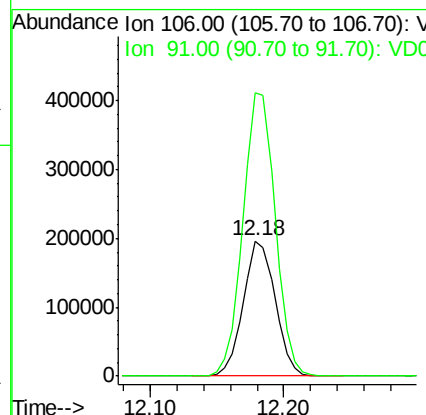
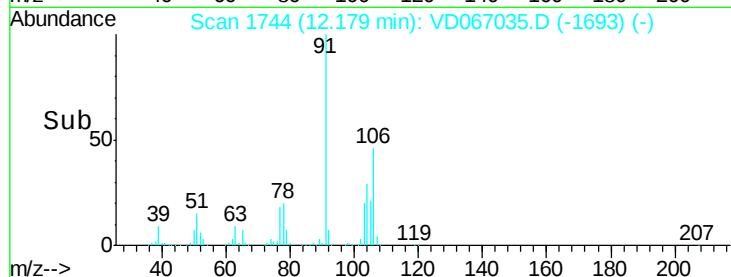
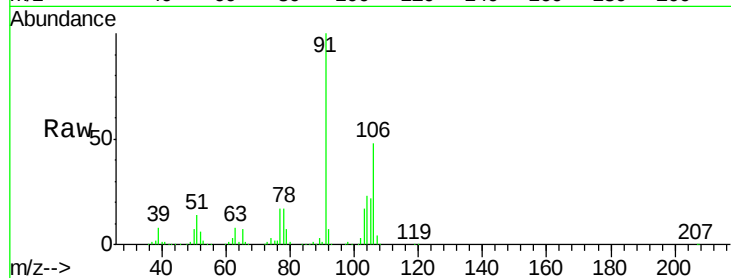
#69
o-Xylene
Concen: 54.393 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.0	102.4	307.2

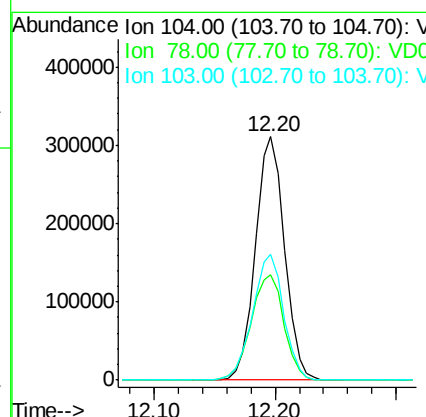
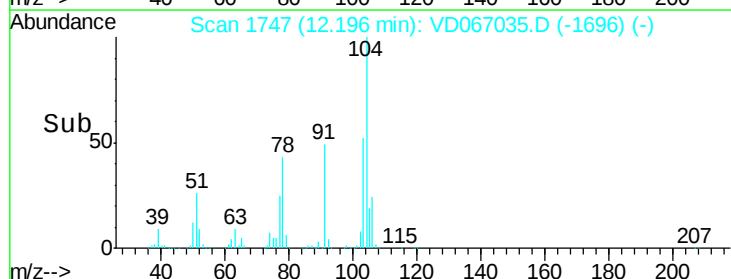
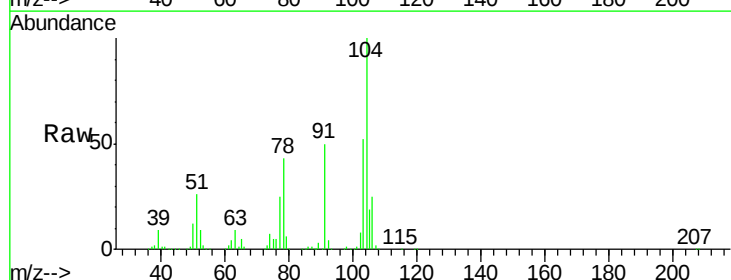
Manual Integrations
APPROVED

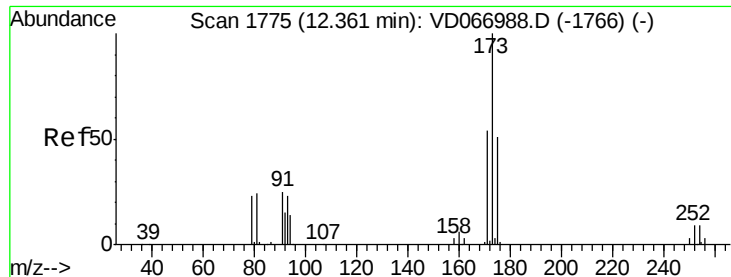
MMDadoda
10/5/2020 5:34:30 PM



#70
Styrene
Concen: 51.044 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.6	58.0
103	55.2	43.4	65.0





#71

Bromoform

Concen: 52.857 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

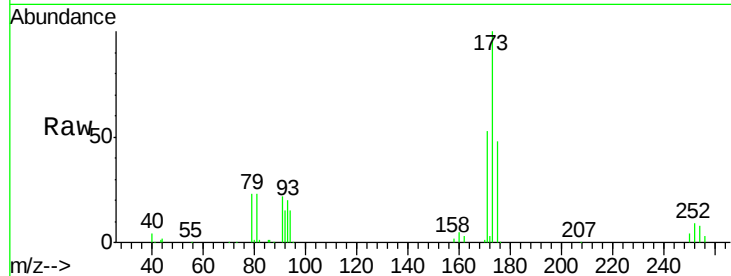
ClientSampleId :

B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.9	74.7
254	0.0	0.2	0.4

Manual Integrations
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MMDadoda
10/5/2020 5:34:30 PM

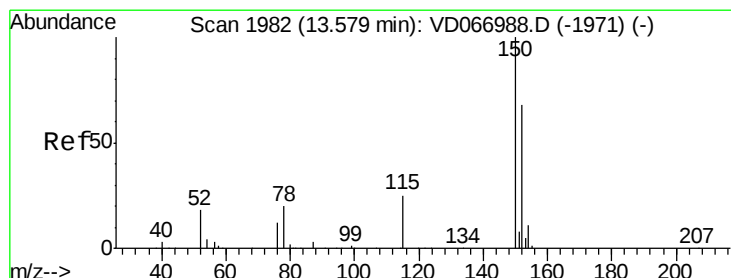
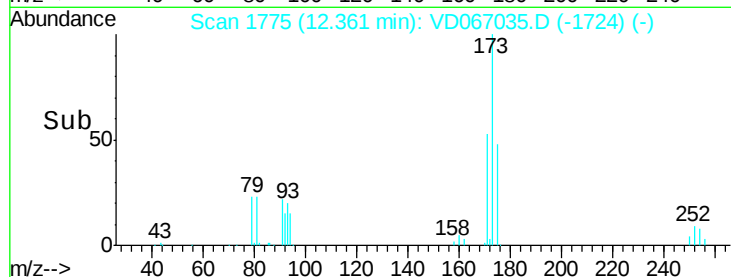
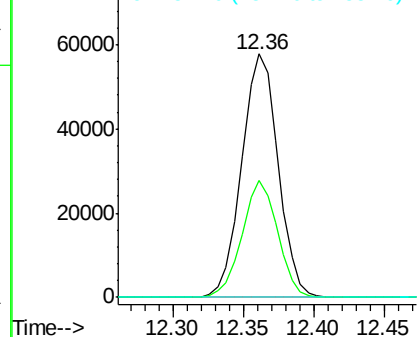


Abundance

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

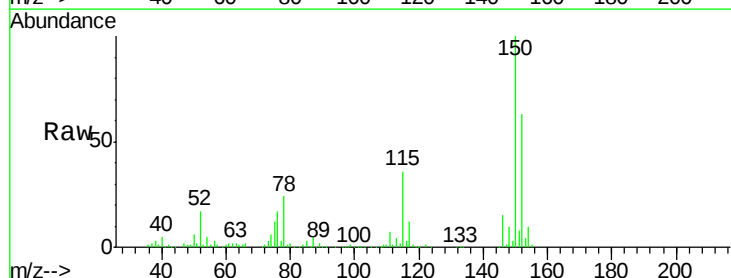
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.6	88.8
150	173.0	0.0	344.8

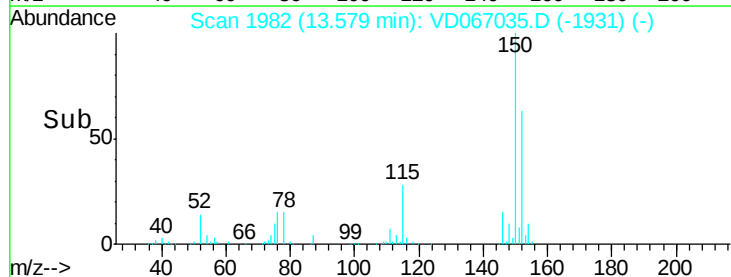
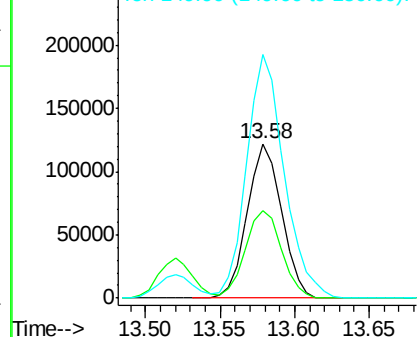


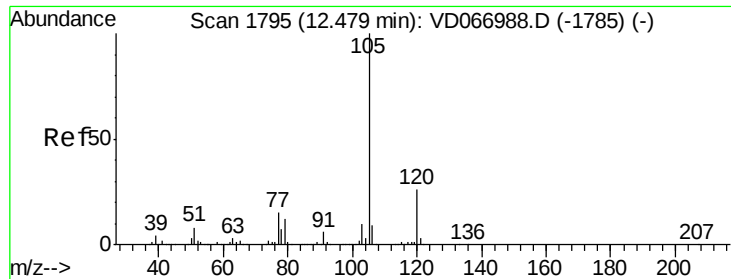
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





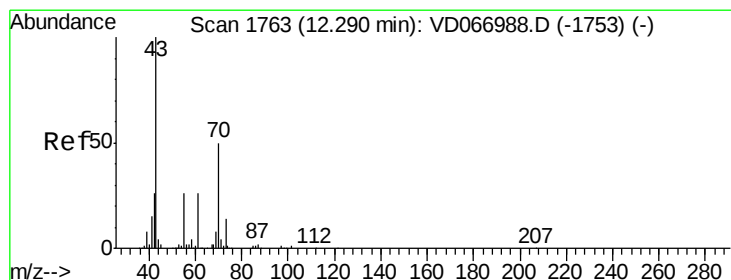
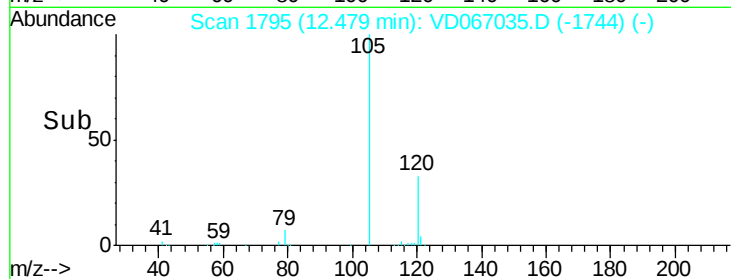
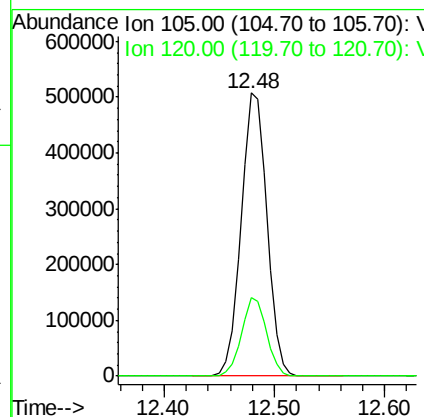
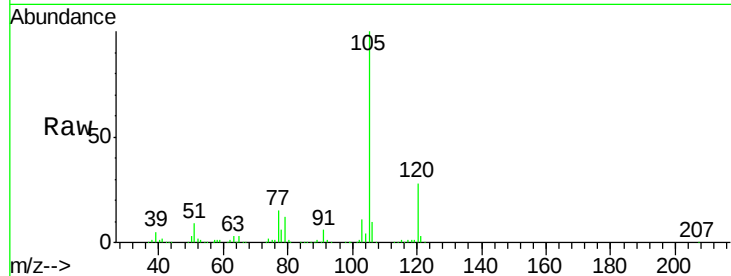
#73
Isopropylbenzene
Concen: 63.497 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampled :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

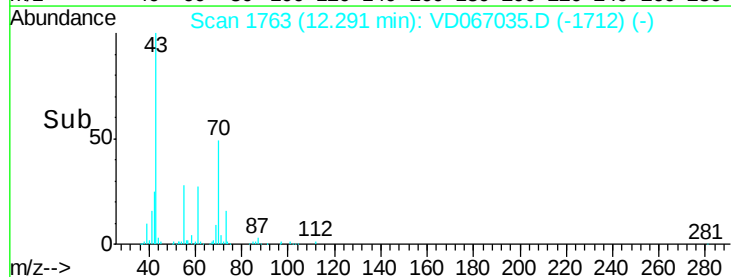
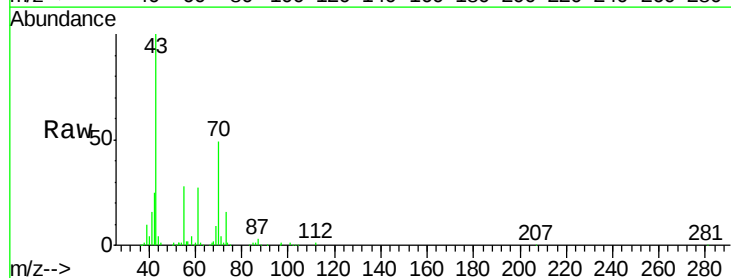
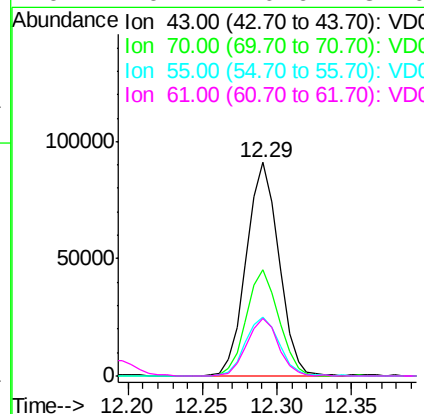
Manual Integrations
APPROVED

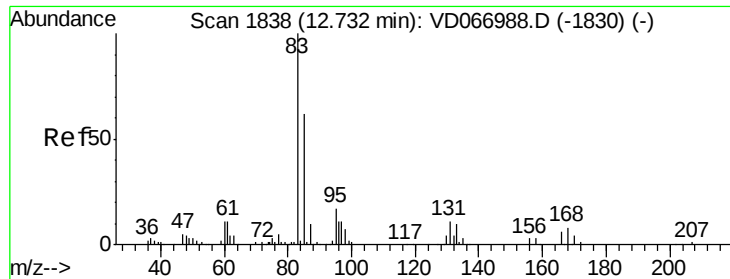
MMDadoda
10/5/2020 5:34:30 PM



#74
N-ethyl acetate
Concen: 58.349 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.5	38.2	57.2
55	28.7	22.4	33.6
61	26.1	20.6	31.0





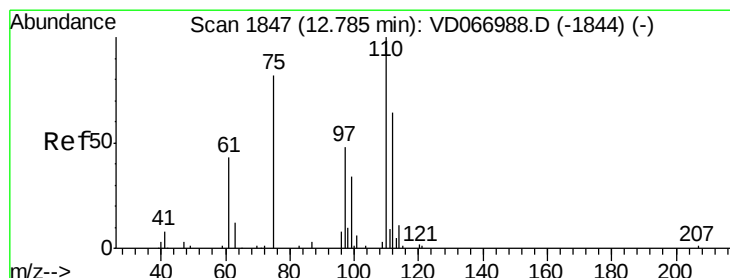
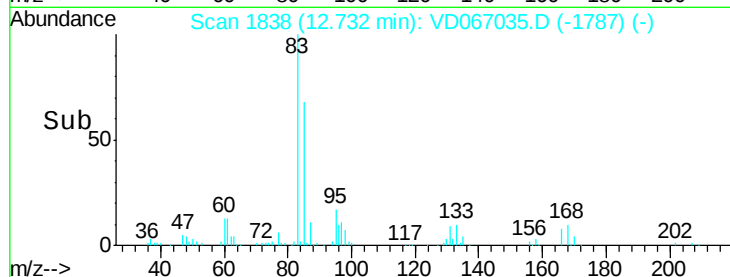
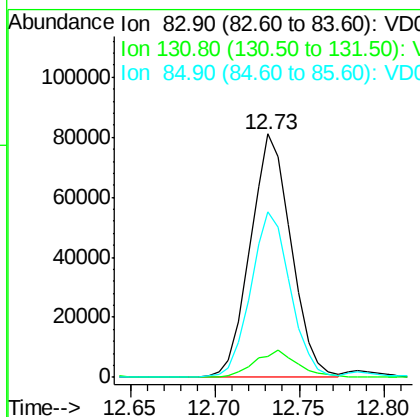
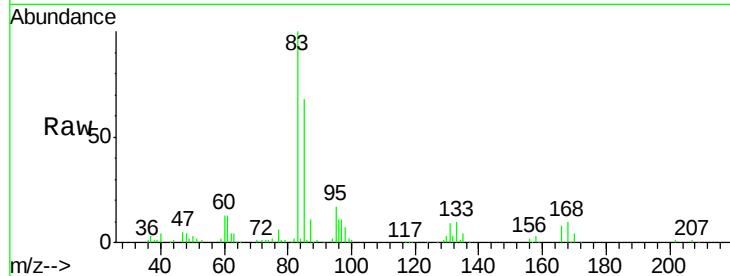
#75
 1,1,2,2-Tetrachloroethane
 Concen: 61.207 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	83	Resp	135639
Ion Ratio	100	Lower	Upper
83	100		
131	11.7	5.7	17.0
85	66.0	32.0	96.2

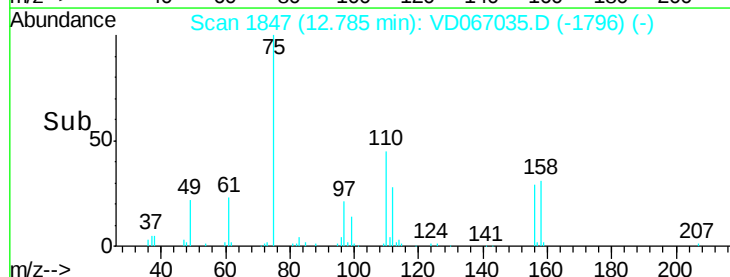
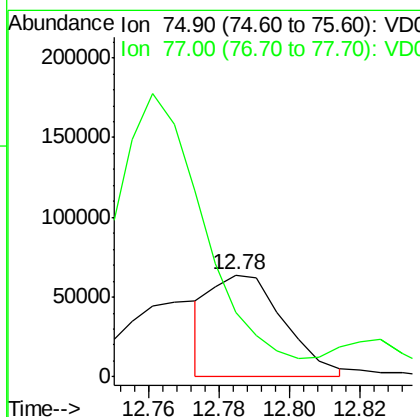
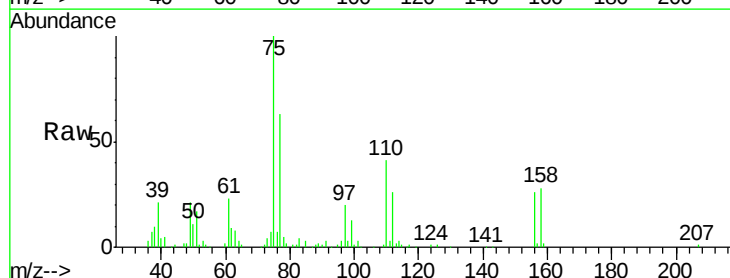
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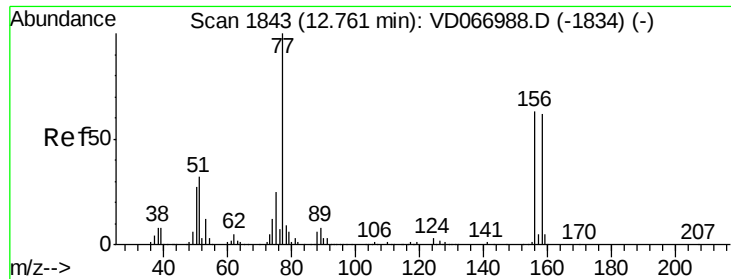
MMDadoda
 10/5/2020 5:34:30 PM



#76
 1,2,3-Trichloropropane
 Concen: 54.825 ug/l m
 RT: 12.78 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	75	Resp	92503
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 60.683 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

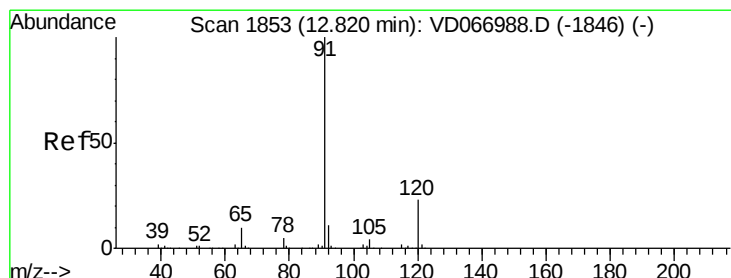
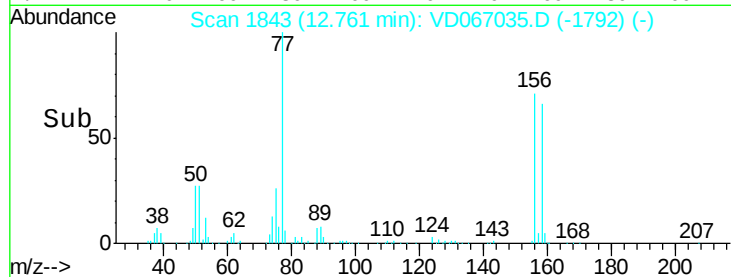
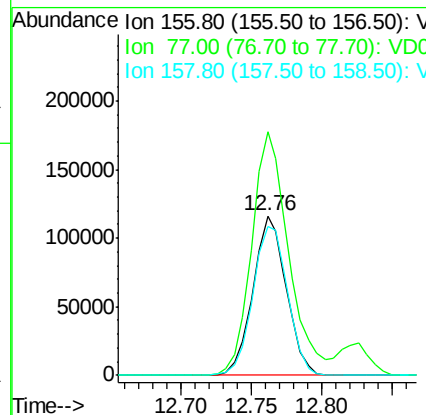
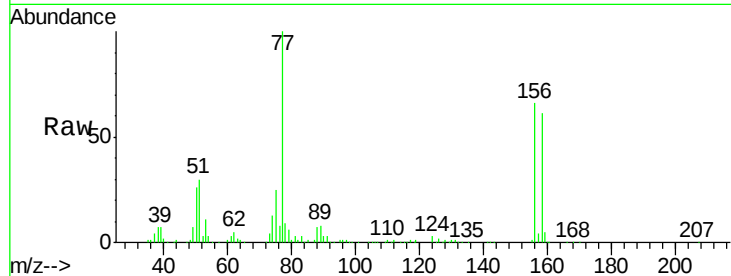
ClientSampleId :

B-15(3-4)MSD

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	168.7	86.3	258.8	
158	97.1	49.5	148.3	

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#78

n-propylbenzene

Concen: 57.566 ug/l

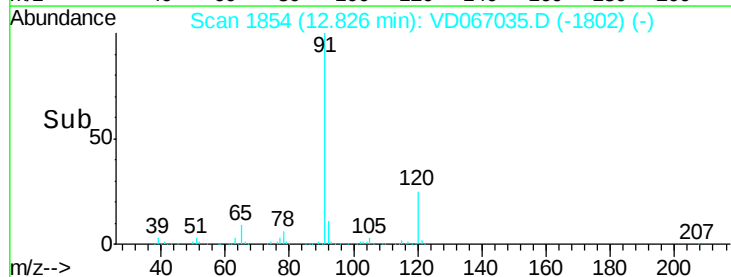
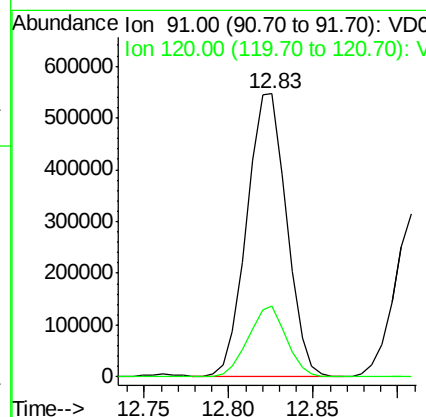
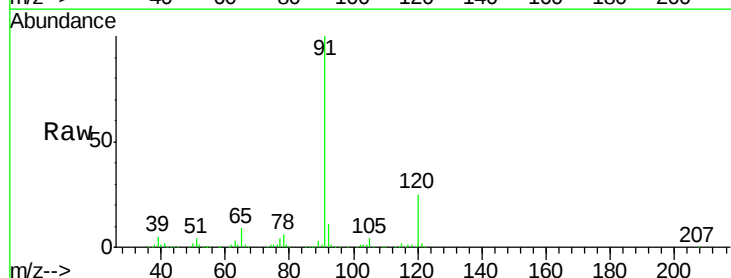
RT: 12.83 min Scan# 1854

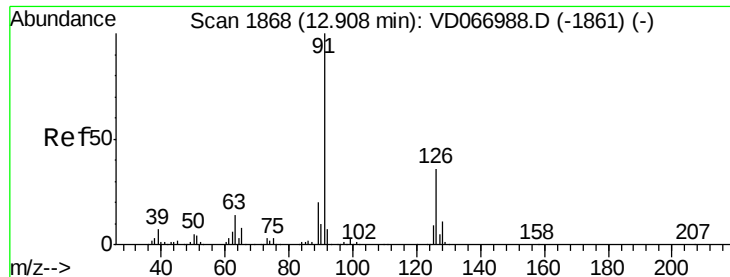
Delta R.T. 0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.6	34.8	





#79

2-Chlorotoluene

Concen: 60.104 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion: 91 Resp: 534540

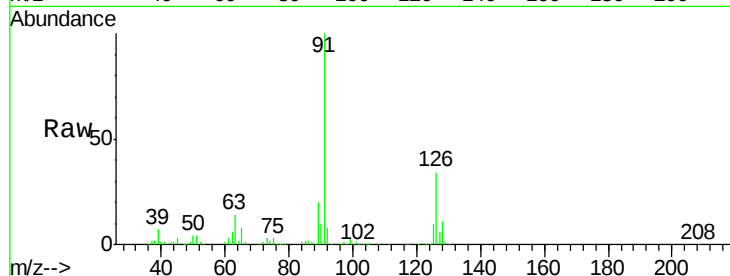
Ion Ratio Lower Upper

91 100

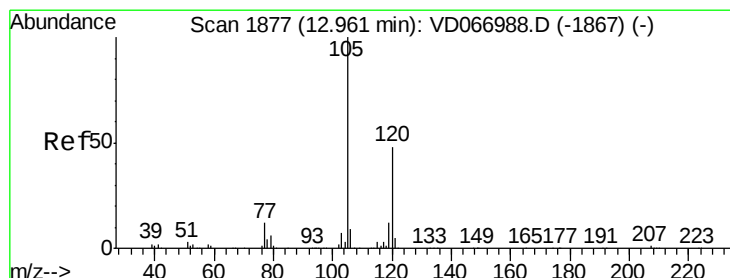
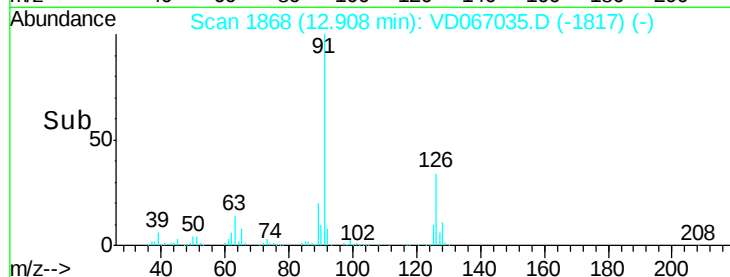
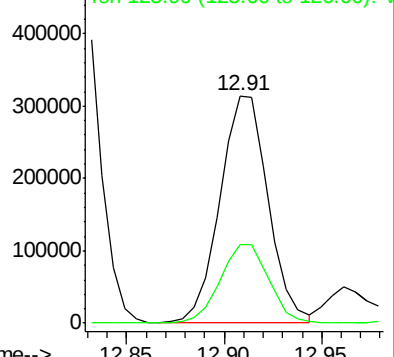
126 35.1 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 61.904 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067035.D

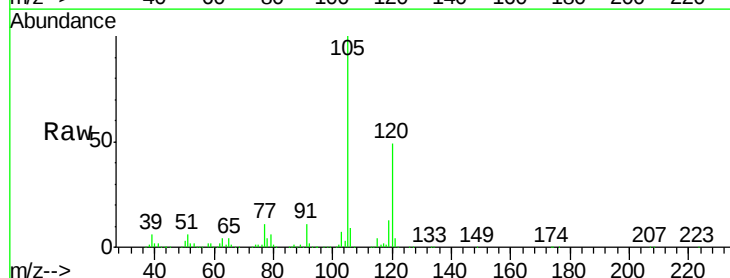
Acq: 02 Oct 2020 15:03

Tgt Ion: 105 Resp: 687915

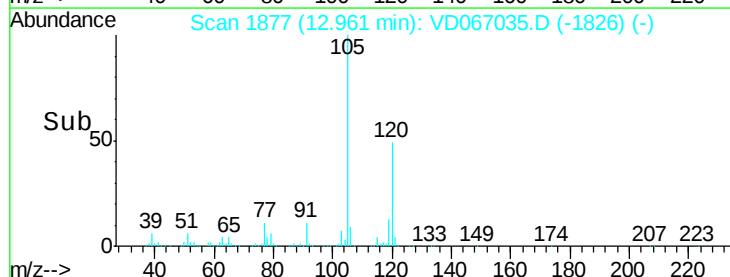
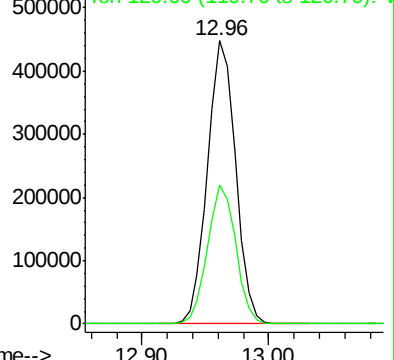
Ion Ratio Lower Upper

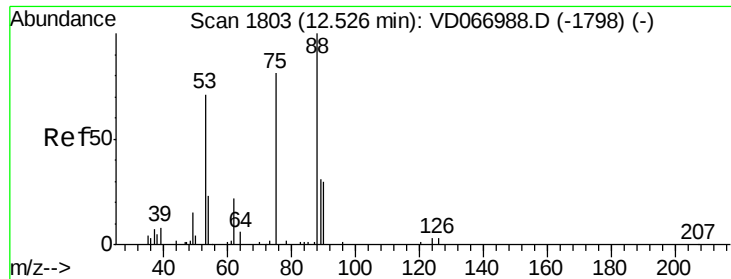
105 100

120 49.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 59.951 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

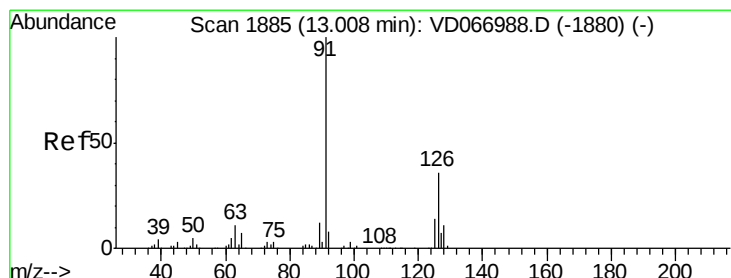
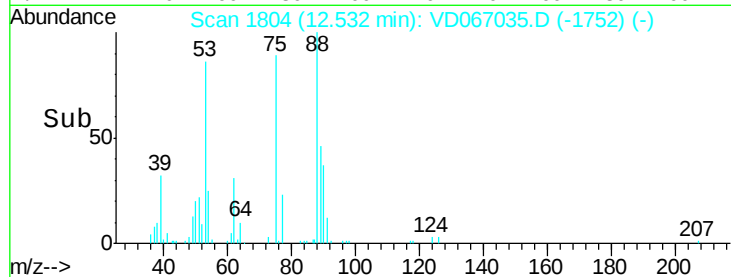
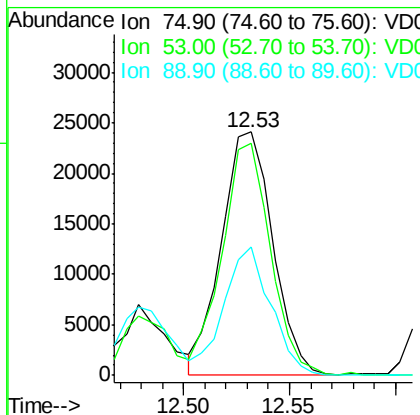
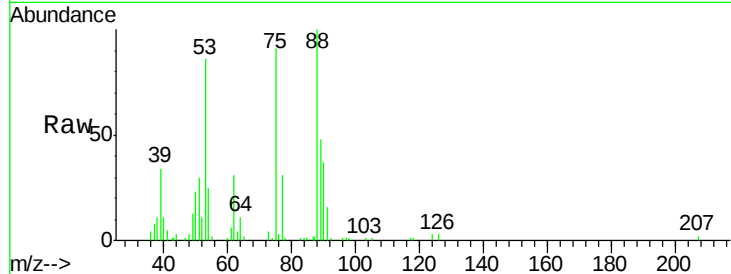
ClientSampleId :

B-15(3-4)MSD

Tot Ion:	75	Resp:	40572
Ion Ratio	Lower	Upper	
75	100		
53	90.1	73.8	110.6
89	48.3	38.9	58.3

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#82

4-Chlorotoluene

Concen: 55.519 ug/l

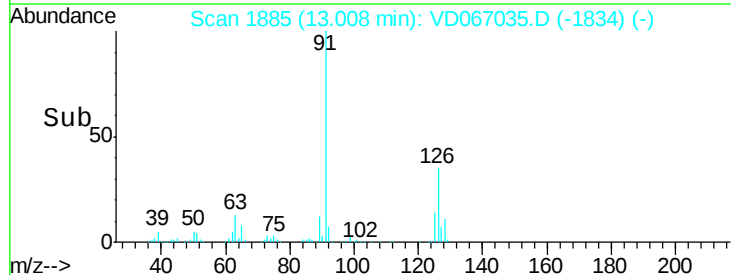
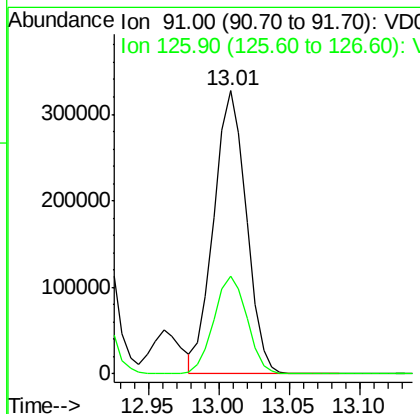
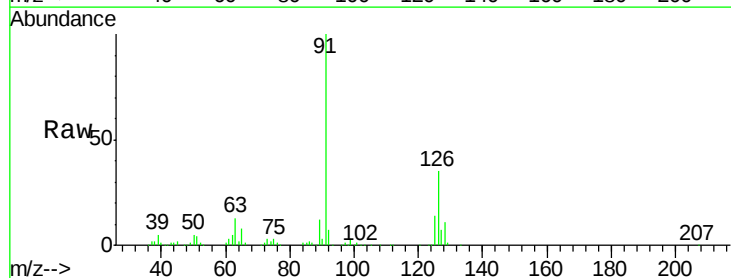
RT: 13.01 min Scan# 1885

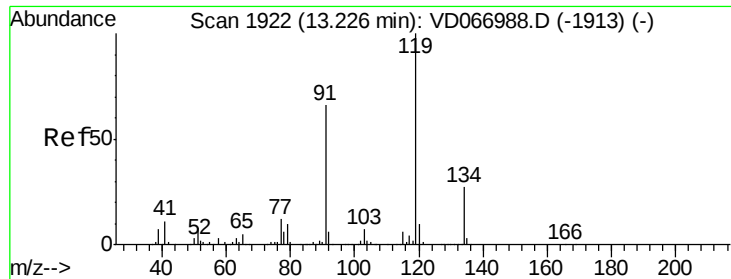
Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion:	91	Resp:	525340
Ion Ratio	Lower	Upper	
91	100		
126	35.1	17.5	52.5





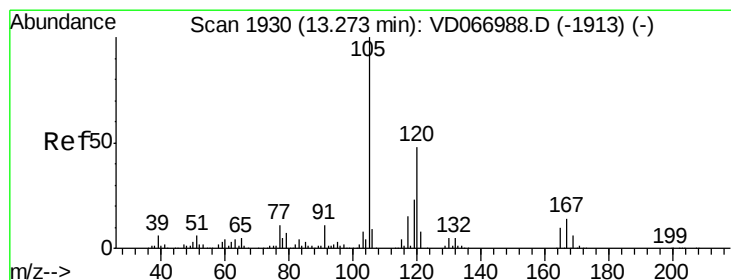
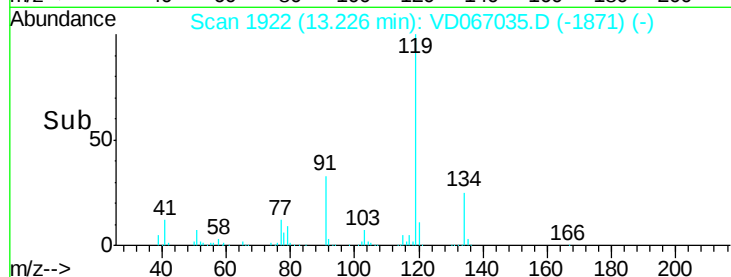
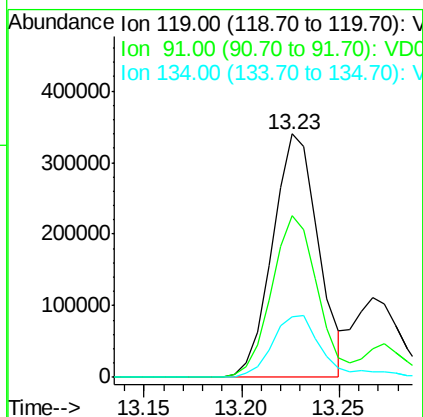
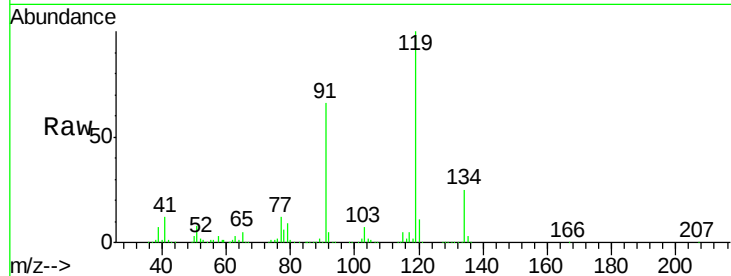
#83
tert-Butylbenzene
Concen: 59.057 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	552650		
91	66.5		32.8	98.3
134	28.1		13.9	41.7

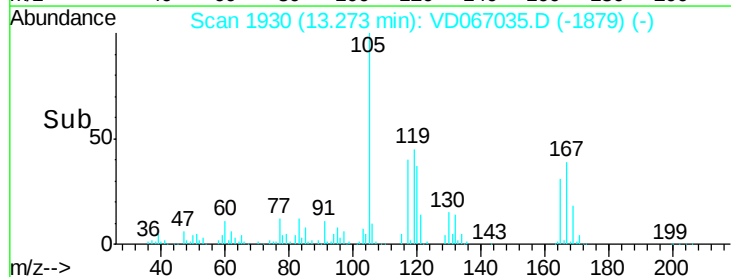
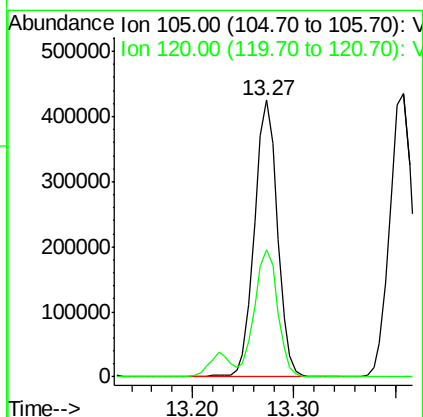
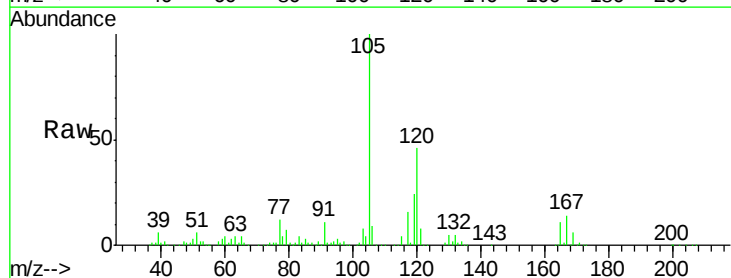
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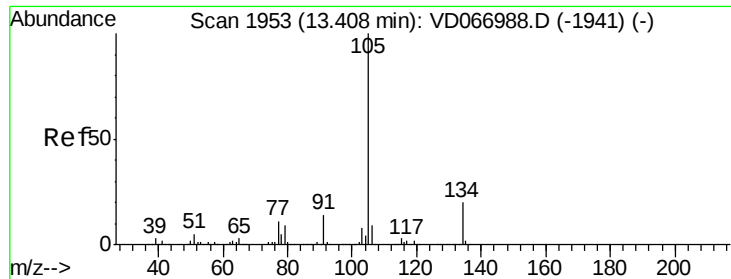
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#84
1,2,4-Trimethylbenzene
Concen: 60.747 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	673685		
120	46.2		23.3	69.8





#85

sec-Butylbenzene

Concen: 52.205 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MSD

Tot Ion:105 Resp: 687966

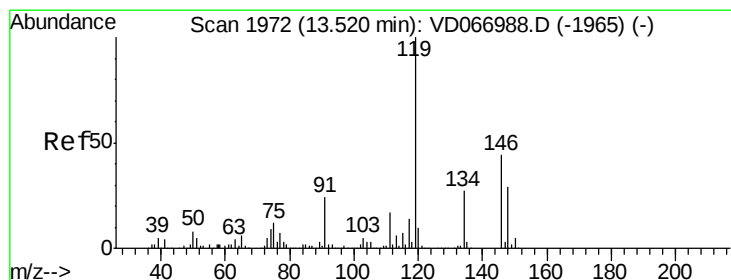
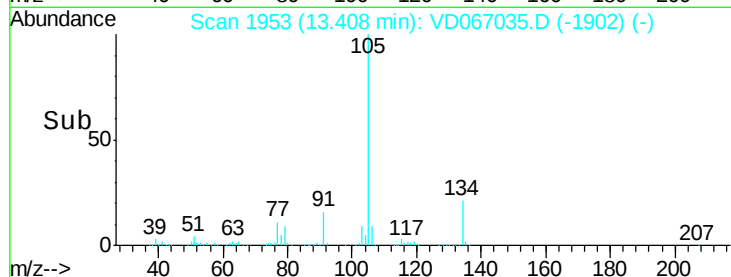
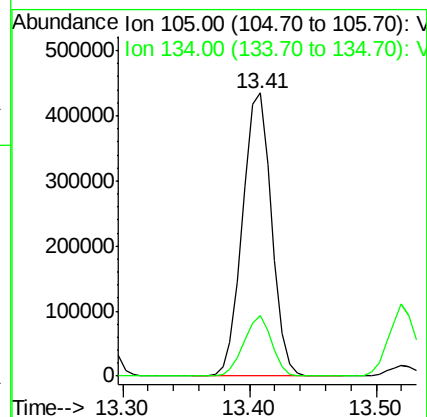
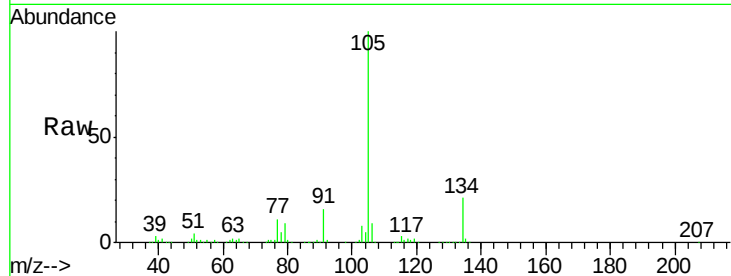
Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 52.320 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

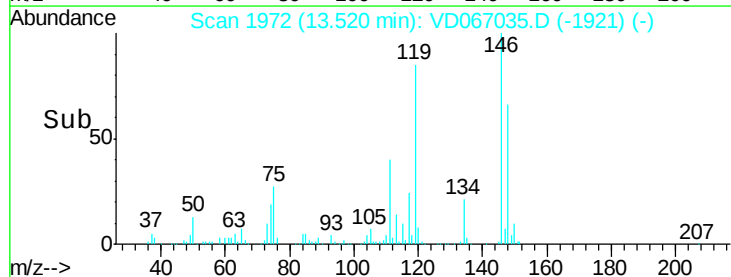
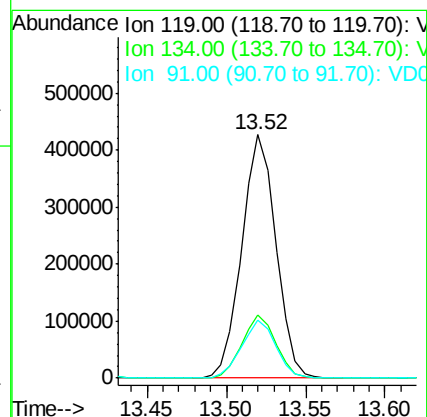
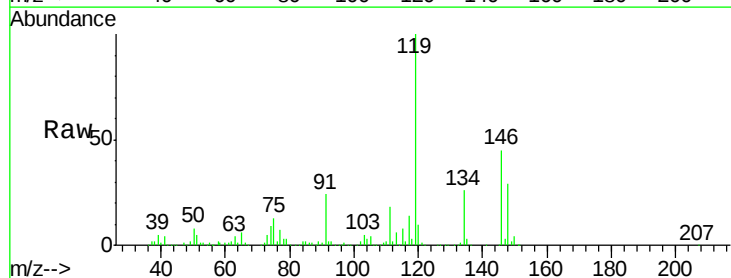
Tgt Ion:119 Resp: 639224

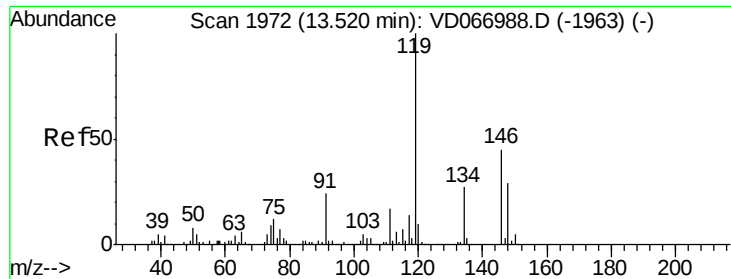
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 23.6 11.7 35.1





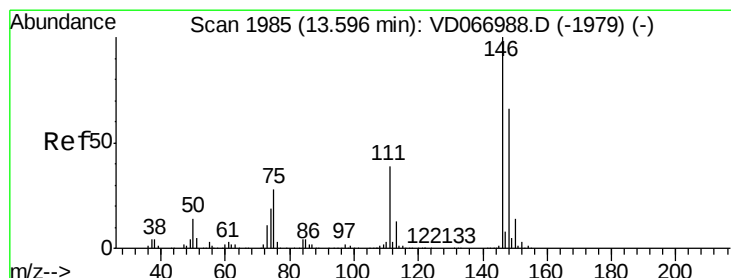
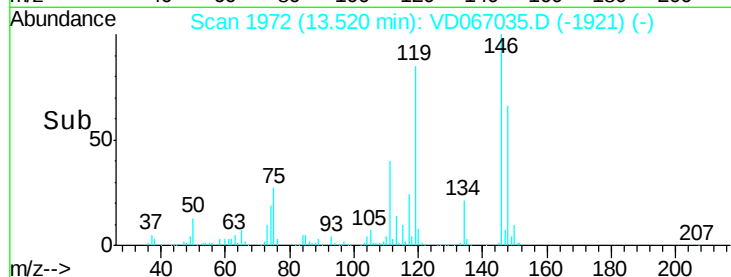
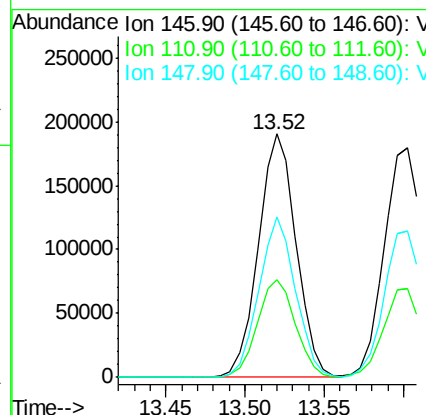
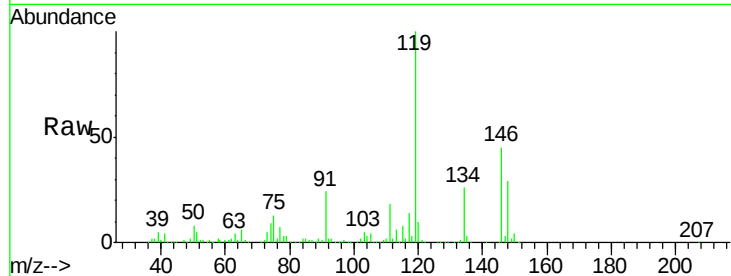
#87
 1,3-Dichlorobenzene
 Concen: 50.893 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	314830		
111	40.2	20.0	60.0	
148	64.2	31.9	95.9	

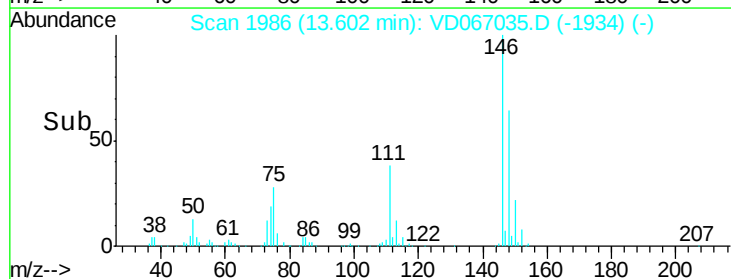
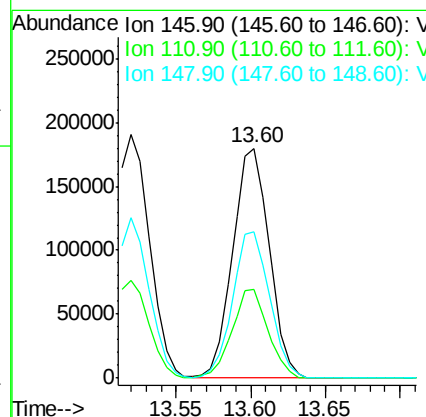
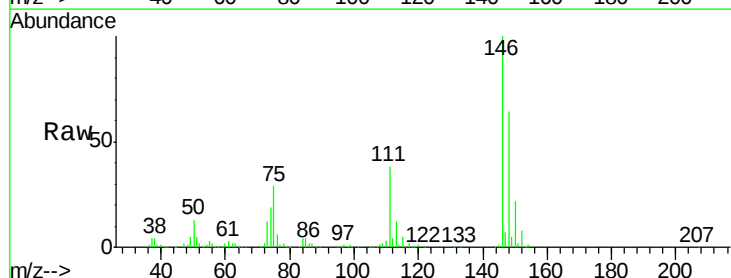
Manual Integrations
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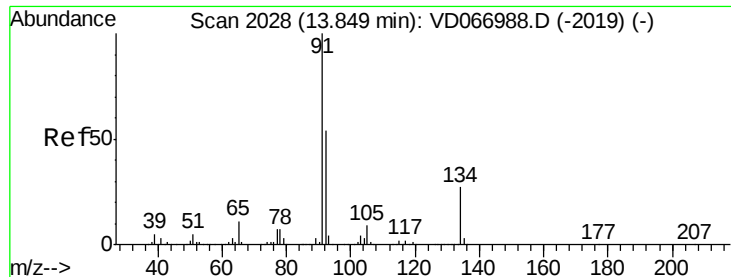
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#88
 1,4-Dichlorobenzene
 Concen: 49.784 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	307937		
111	38.2	19.6	58.7	
148	64.3	32.6	97.7	





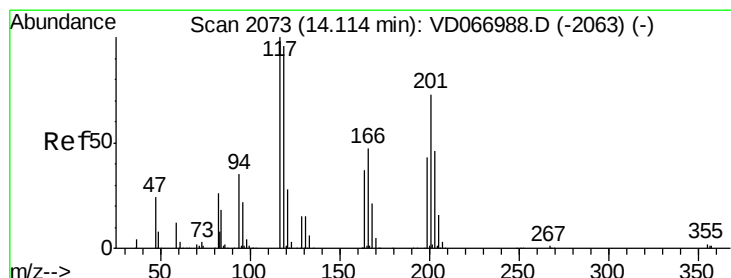
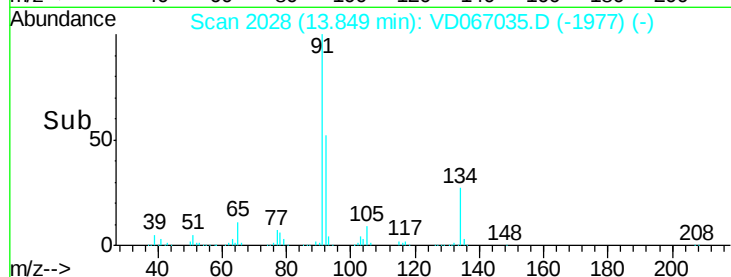
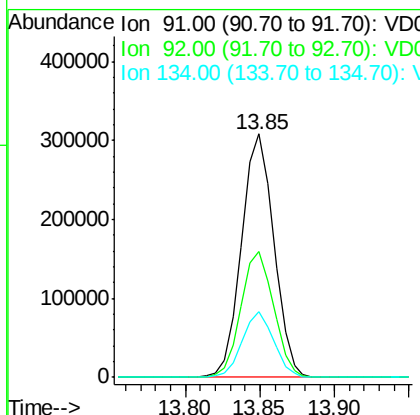
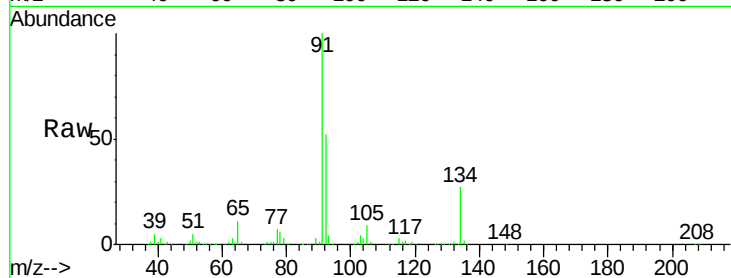
#89
n-Butylbenzene
Concen: 41.435 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.1	81.2
134	26.2	13.6	40.8

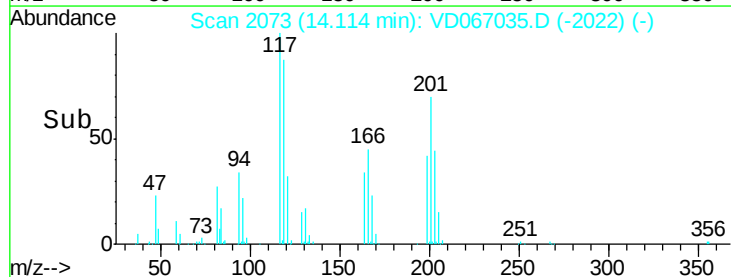
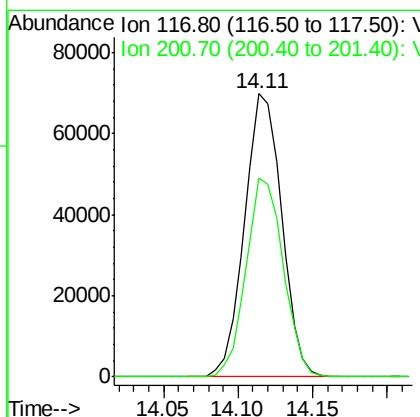
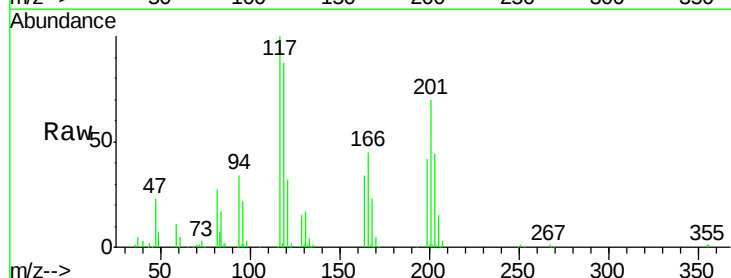
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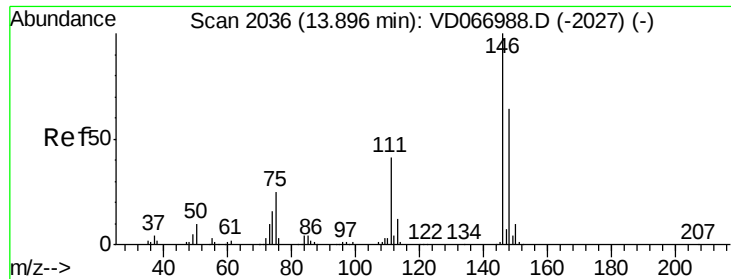
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#90
Hexachloroethane
Concen: 56.120 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067035.D
Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	37.0	110.9





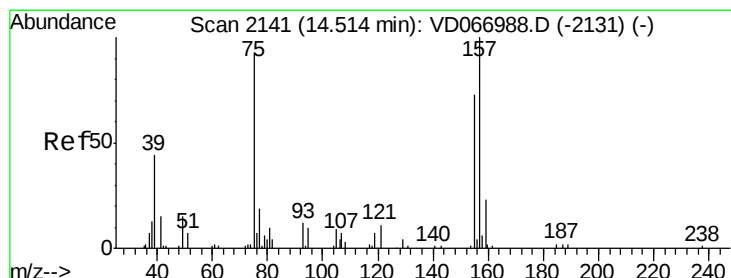
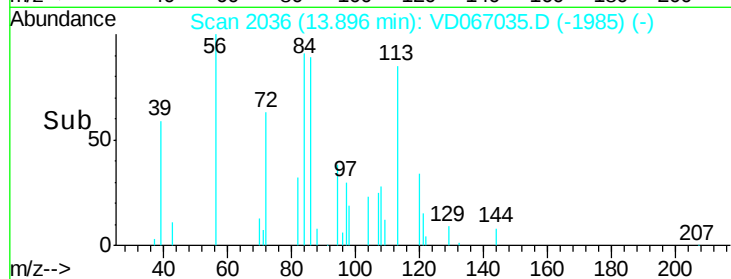
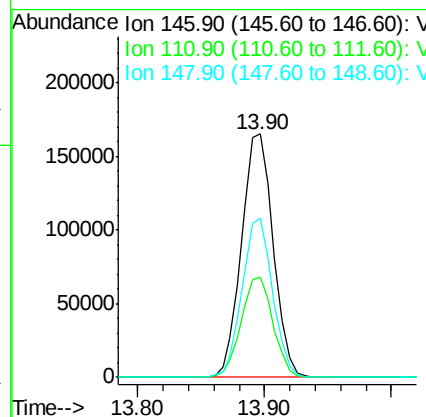
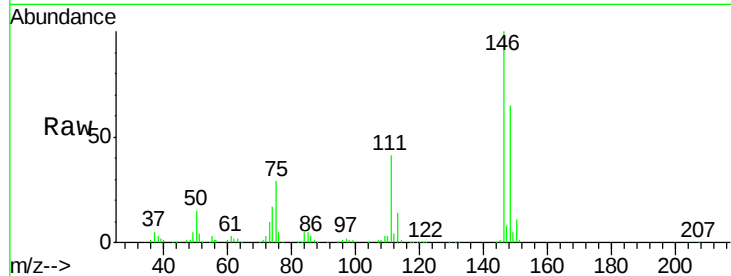
#91
 1,2-Dichlorobenzene
 Concen: 52.963 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286137		
111	41.2	20.9	62.7	
148	63.0	32.3	96.9	

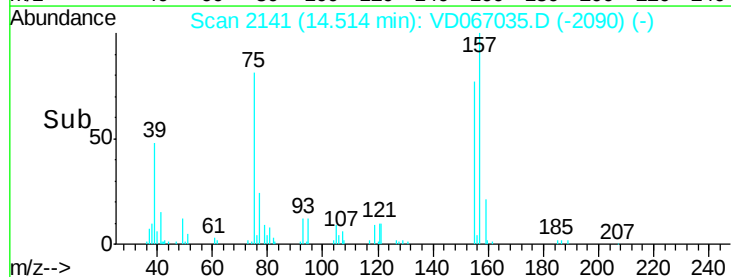
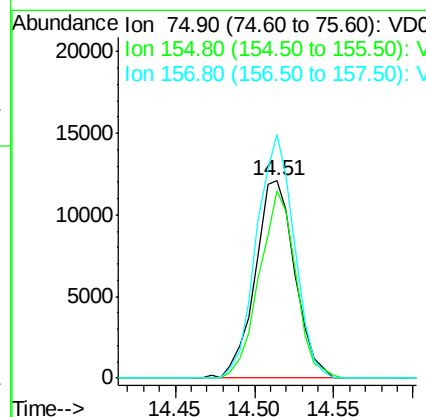
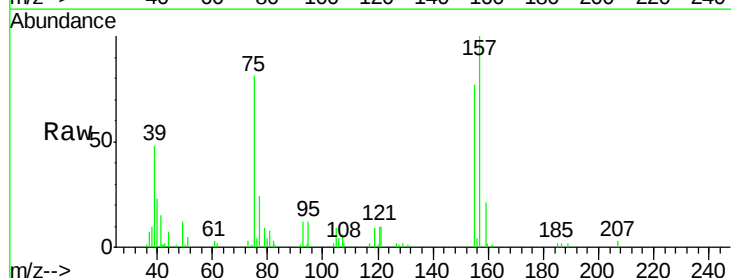
Manual Integrations
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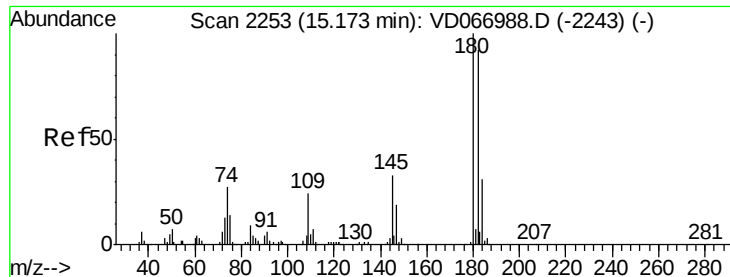
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.806 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21007		
155	86.8	45.2	135.6	
157	117.1	56.3	168.8	





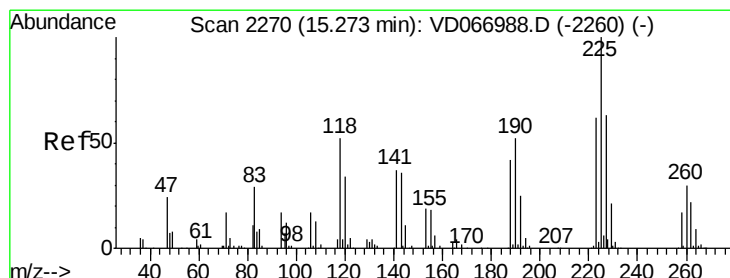
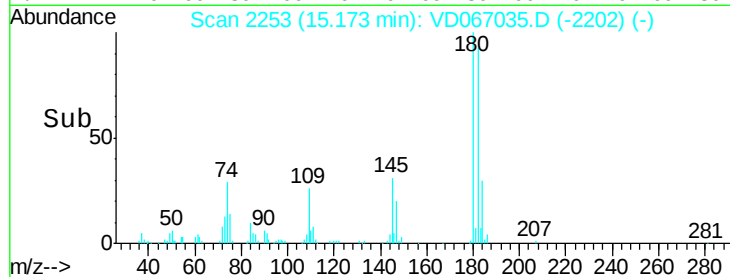
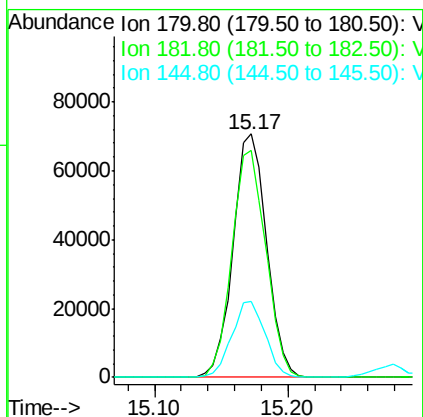
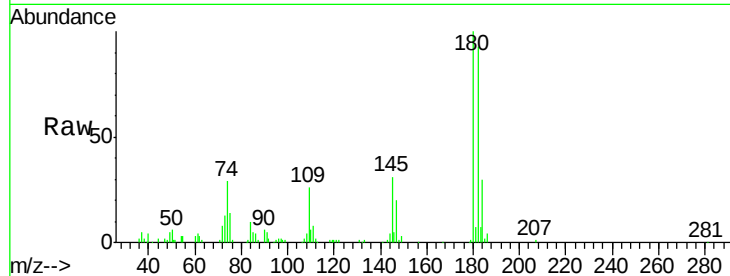
#93
 1,2,4-Trichlorobenzene
 Concen: 35.262 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.3	142.0	
145	31.0	16.4	49.1	

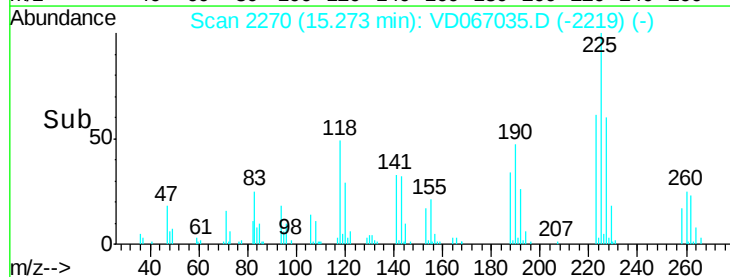
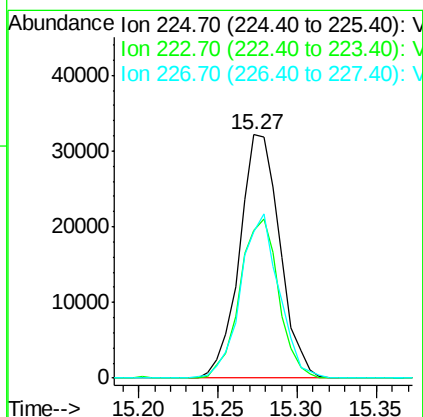
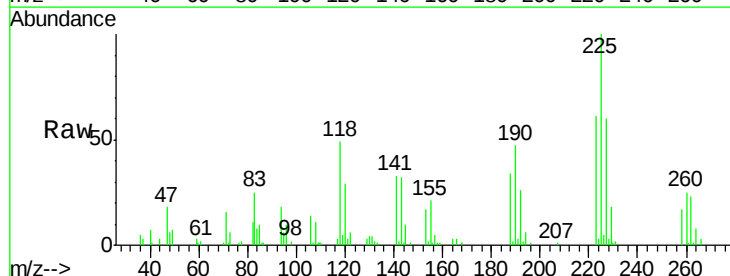
Manual Integrations
 APPROVED

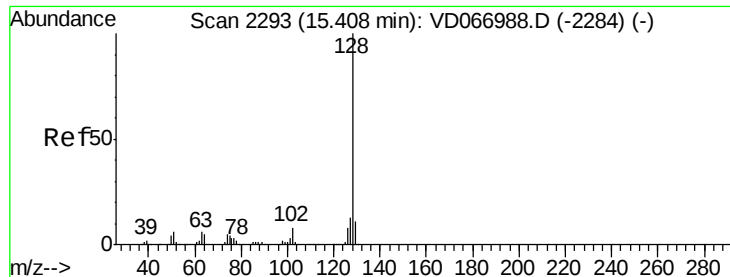
MMDadoda
 10/5/2020 5:34:30 PM



#94
 Hexachlorobutadiene
 Concen: 26.525 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067035.D
 Acq: 02 Oct 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	32.4	97.0	
227	64.0	31.6	95.0	





#95

Naphthalene

Concen: 45.712 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Instrument :

MSVOA_D

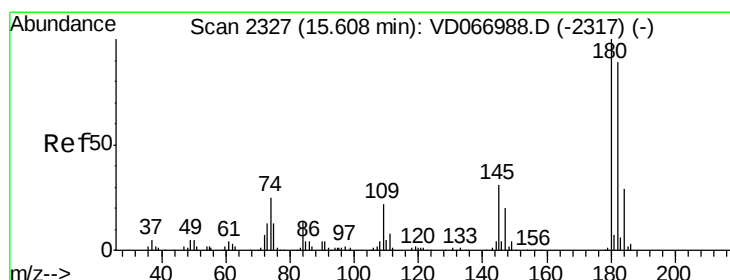
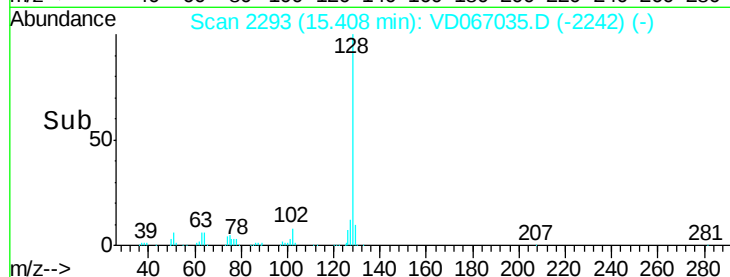
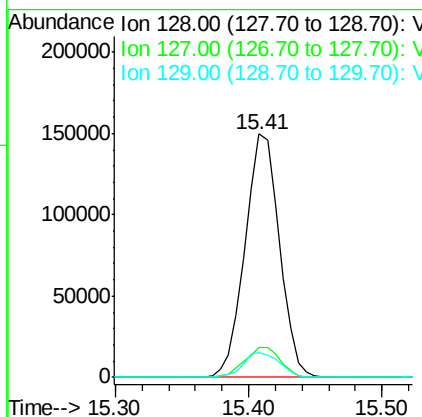
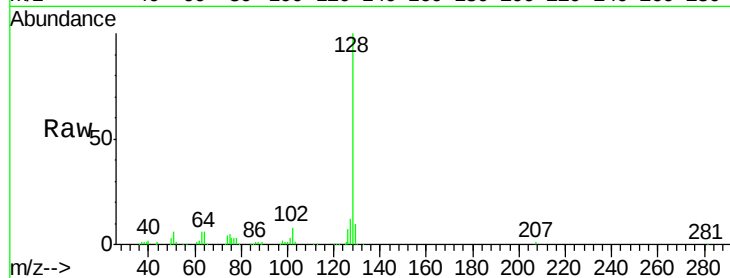
ClientSampleId :

B-15(3-4)MSD

Tot Ion:	128	Resp:	266449
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 36.776 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067035.D

Acq: 02 Oct 2020 15:03

Tgt Ion:	180	Resp:	111564
Ion Ratio	Lower	Upper	
180	100		
182	96.1	46.4	139.1
145	32.7	16.6	49.7

