

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067837.D
 Acq On : 02 Dec 2020 15:48
 Operator : VA/SY
 Sample : VD1202SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:34 AM

Quant Time: Dec 03 01:39:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	243447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	351276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	181434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124909	47.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.58%
35) Dibromofluoromethane	7.92	113	114333	48.64	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.28%
50) Toluene-d8	10.34	98	421844	49.85	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.70%
62) 4-Bromofluorobenzene	12.64	95	156159	53.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.76%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	41535	19.604	ug/l	97
3) Chloromethane	2.21	50	19363	15.836	ug/l	95
4) Vinyl Chloride	2.36	62	30297	19.674	ug/l	99
5) Bromomethane	2.76	94	40733	29.631	ug/l	85
6) Chloroethane	2.92	64	20811	20.757	ug/l	94
7) Trichlorofluoromethane	3.28	101	94613	20.079	ug/l	90
8) Diethyl Ether	3.71	74	17915	19.506	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	42845	19.940	ug/l	98
10) Methyl Iodide	4.30	142	25113	11.026	ug/l #	61
11) Tert butyl alcohol	5.19	59	20450m	123.044	ug/l	
12) 1,1-Dichloroethene	4.07	96	40256	19.955	ug/l #	77
13) Acrolein	3.93	56	8259	82.234	ug/l #	56
14) Allyl chloride	4.71	41	36739	19.686	ug/l	96
15) Acrylonitrile	5.43	53	30070	94.423	ug/l	98
16) Acetone	4.16	43	27779	86.017	ug/l	94
17) Carbon Disulfide	4.41	76	109650	19.468	ug/l	98
18) Methyl Acetate	4.71	43	11543	18.588	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	86827	20.100	ug/l	100
20) Methylene Chloride	4.97	84	48541	20.805	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	45052	19.626	ug/l	94
22) Diisopropyl ether	6.36	45	77691	20.698	ug/l #	93
23) Vinyl Acetate	6.31	43	218684	104.728	ug/l	93
24) 1,1-Dichloroethane	6.27	63	68631	20.859	ug/l	95
25) 2-Butanone	7.21	43	33052	97.304	ug/l	89
26) 2,2-Dichloropropane	7.21	77	82575	21.046	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	49890	19.870	ug/l	97
28) Bromochloromethane	7.55	49	18704	17.904	ug/l	92
29) Tetrahydrofuran	7.57	42	19870	102.736	ug/l	97
30) Chloroform	7.71	83	85994	19.557	ug/l	99
31) Cyclohexane	7.99	56	57615	20.924	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	94774	20.418	ug/l	99
36) 1,1-Dichloropropene	8.11	75	62287	20.483	ug/l	99
37) Ethyl Acetate	7.30	43	15250	18.607	ug/l #	80
38) Carbon Tetrachloride	8.10	117	92349	20.071	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73450	20.382	ug/l	95
40) Benzene	8.36	78	165286	19.864	ug/l	100
41) Methacrylonitrile	7.53	41	7246	15.531	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	58109	19.594	ug/l	99
43) Isopropyl Acetate	8.45	43	31364	19.449	ug/l #	81
44) Trichloroethene	9.12	130	57012	19.928	ug/l	98
45) 1,2-Dichloropropane	9.39	63	34695	20.315	ug/l	94
46) Dibromomethane	9.48	93	23907	20.134	ug/l	97
47) Bromodichloromethane	9.67	83	66293	19.584	ug/l	96
48) Methyl methacrylate	9.46	41	15221	18.588	ug/l	99
49) 1,4-Dioxane	9.46	88	5289	389.814	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	72617	95.143	ug/l	100
52) Toluene	10.41	92	121249	20.842	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	58858	20.145	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	65192	20.513	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	31981	19.681	ug/l	91
56) Ethyl methacrylate	10.66	69	30522	18.461	ug/l	99
57) 1,3-Dichloropropane	10.95	76	49014	19.042	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	60939	81.001	ug/l	99
59) 2-Hexanone	10.99	43	48837	90.768	ug/l	100
60) Dibromochloromethane	11.14	129	50013	20.417	ug/l	99
61) 1,2-Dibromoethane	11.25	107	31588	19.767	ug/l	96
64) Tetrachloroethene	10.88	164	52923	19.787	ug/l	90
65) Chlorobenzene	11.67	112	133785	19.773	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	54795	19.856	ug/l	95
67) Ethyl Benzene	11.75	91	236311	20.503	ug/l	100
68) m/p-Xylenes	11.86	106	187926	41.351	ug/l	97
69) o-Xylene	12.18	106	84796	21.017	ug/l	98
70) Styrene	12.20	104	146086	20.823	ug/l	99
71) Bromoform	12.37	173	28986	19.843	ug/l #	98
73) Isopropylbenzene	12.48	105	242017	19.397	ug/l	99
74) N-amyl acetate	12.29	43	27451	17.786	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	28111	17.065	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	22692m	17.175	ug/l	
77) Bromobenzene	12.76	156	57491	18.534	ug/l	97
78) n-propylbenzene	12.83	91	263878	19.081	ug/l	99
79) 2-Chlorotoluene	12.91	91	153144	18.824	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	209832	19.424	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	9974	18.058	ug/l	95
82) 4-Chlorotoluene	13.01	91	165401	19.059	ug/l	100
83) tert-Butylbenzene	13.23	119	179796	19.558	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	209118	19.467	ug/l	99
85) sec-Butylbenzene	13.41	105	237215	19.334	ug/l	98
86) p-Isopropyltoluene	13.52	119	229029	19.046	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	112068	18.729	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109796	18.342	ug/l	99
89) n-Butylbenzene	13.85	91	191320	19.151	ug/l	99
90) Hexachloroethane	14.11	117	40282	18.144	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	98093	18.902	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5987	17.415	ug/l	98

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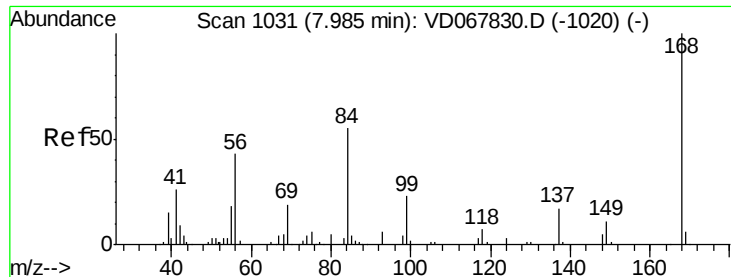
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	67926	18.712	ug/l	99
94) Hexachlorobutadiene	15.27	225	44295	18.700	ug/l	97
95) Naphthalene	15.40	128	104017	17.609	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	57430	18.320	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion:168 Resp: 243447

Ion Ratio Lower Upper

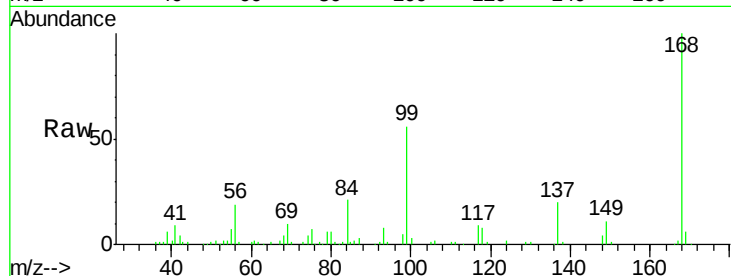
168 100

99 55.8 47.1 70.7

Manual Integrations
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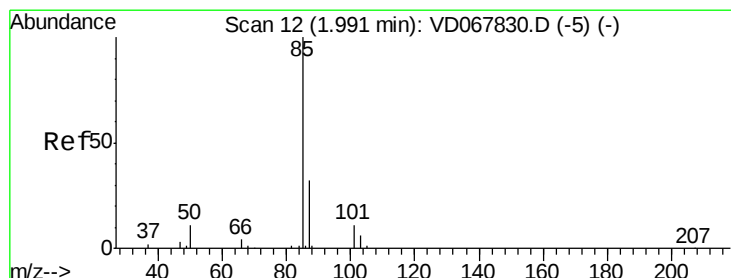
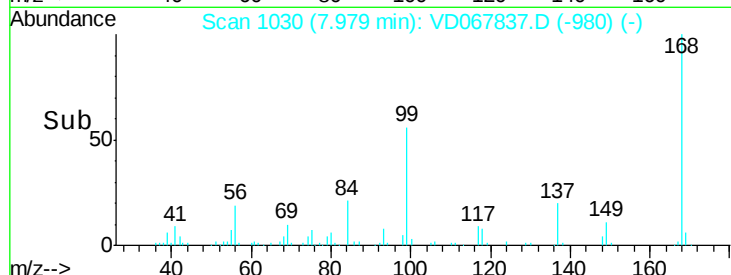
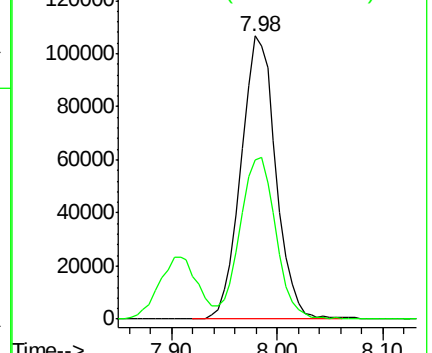
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.604 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067837.D

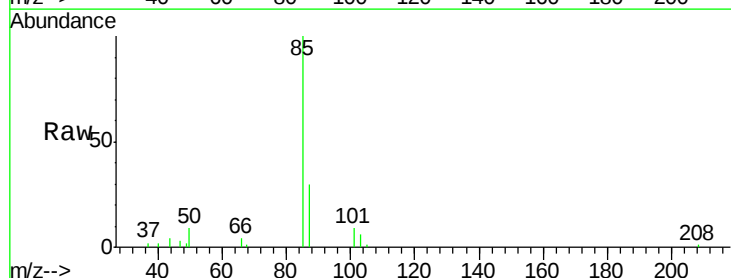
Acq: 02 Dec 2020 15:48

Tgt Ion: 85 Resp: 41535

Ion Ratio Lower Upper

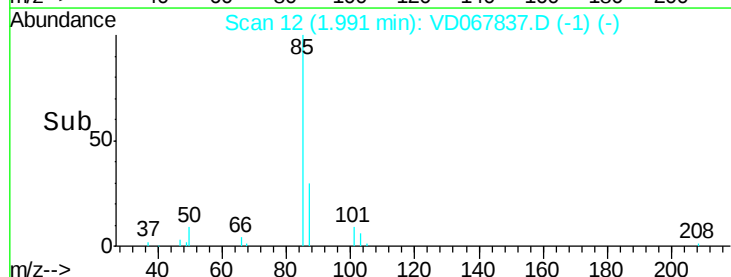
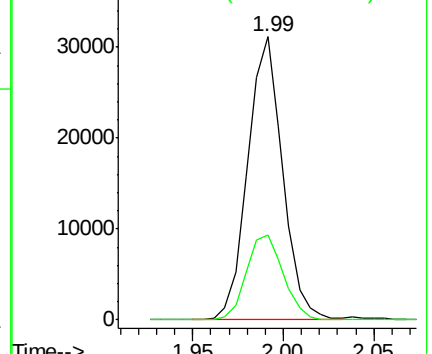
85 100

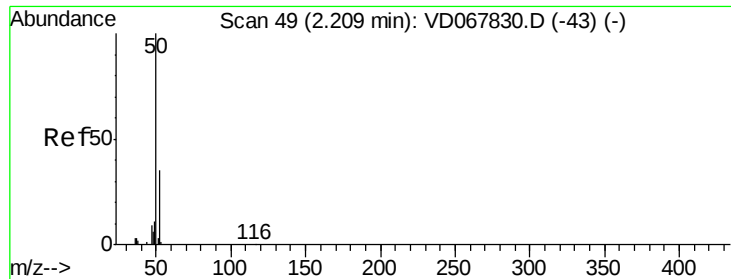
87 29.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.836 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tot Ion: 50 Resp: 19363

Ion Ratio Lower Upper

50 100

52 31.6 27.8 41.6

Instrument :

MSVOA_D

ClientSampleId :

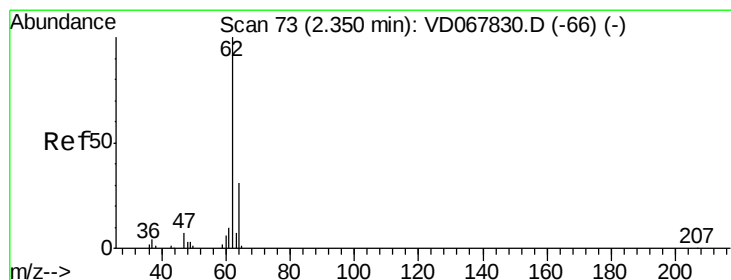
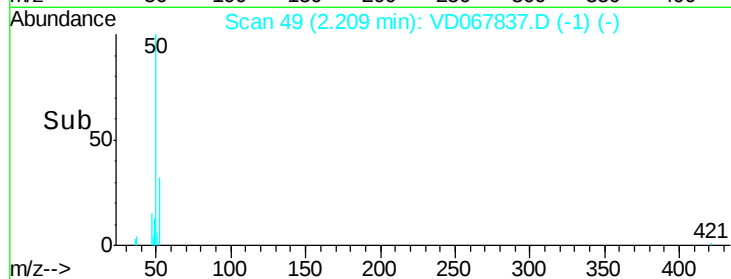
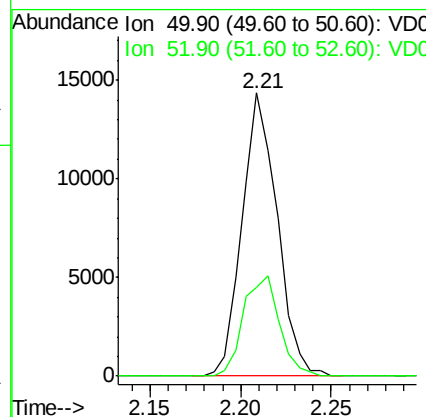
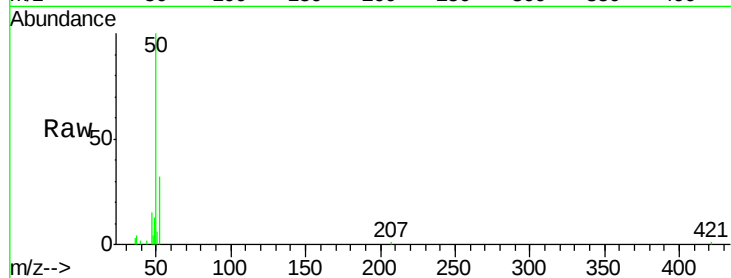
VD1202SBS01

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.674 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067837.D

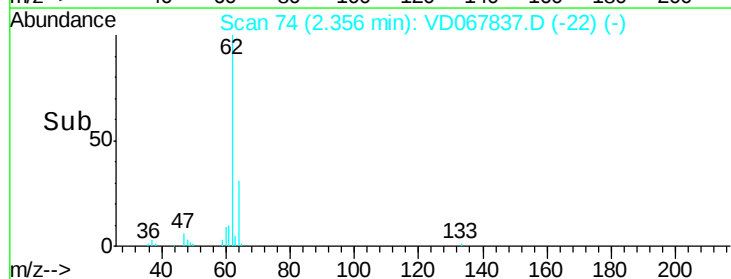
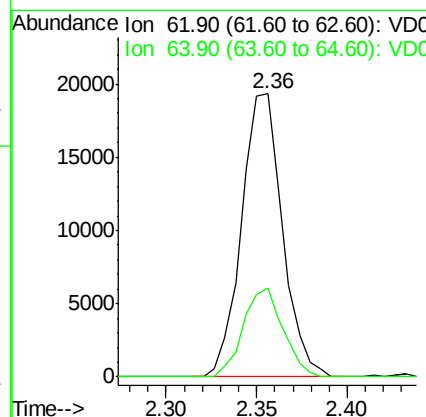
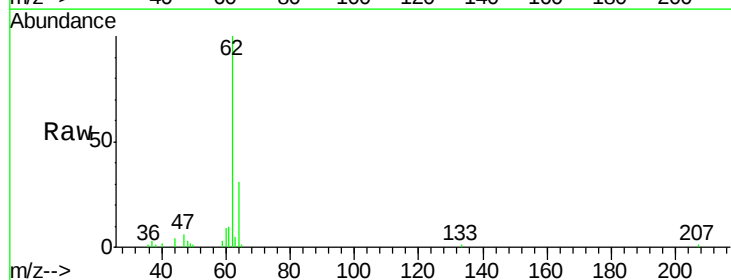
Acq: 02 Dec 2020 15:48

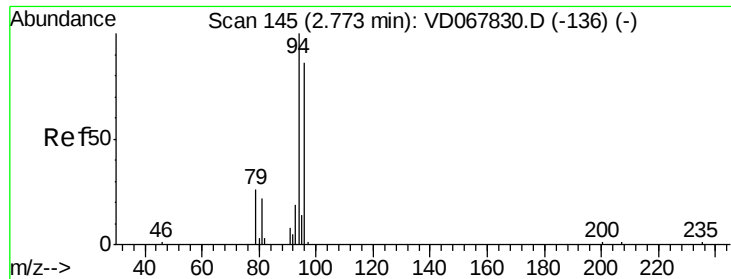
Tgt Ion: 62 Resp: 30297

Ion Ratio Lower Upper

62 100

64 31.2 24.5 36.7





#5

Bromomethane

Concen: 29.631 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 94 Resp: 40733

Ion Ratio Lower Upper

94 100

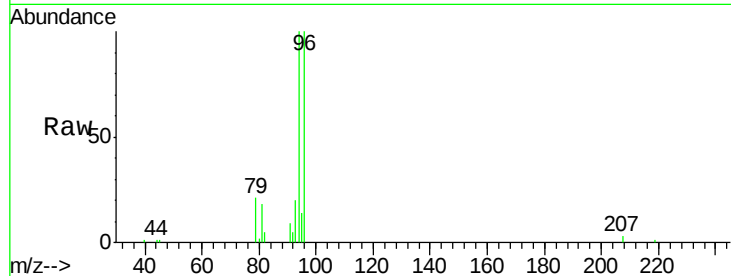
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Manual Integrations

APPROVED

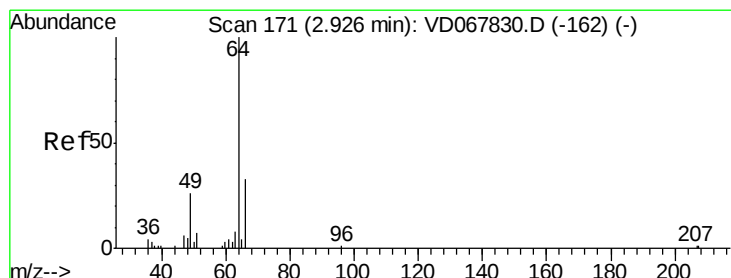
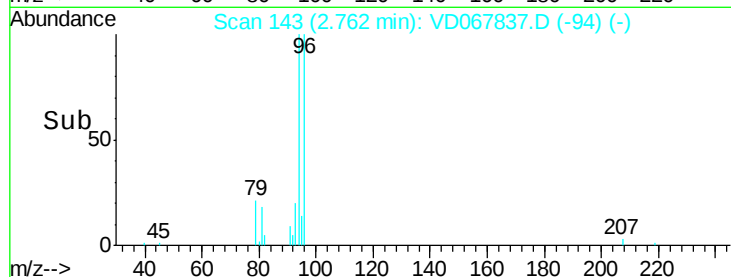
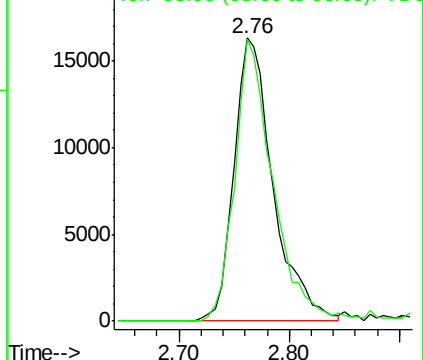
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.757 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067837.D

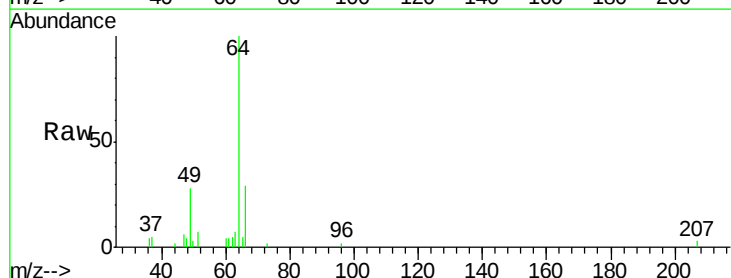
Acq: 02 Dec 2020 15:48

Tgt Ion: 64 Resp: 20811

Ion Ratio Lower Upper

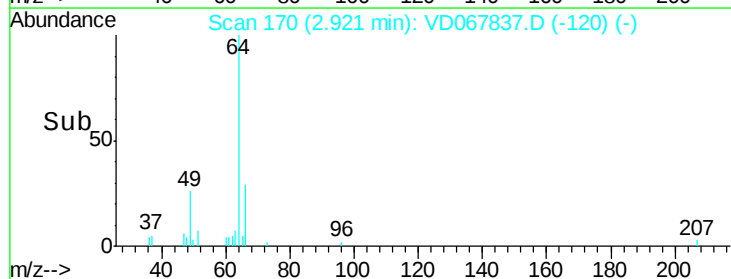
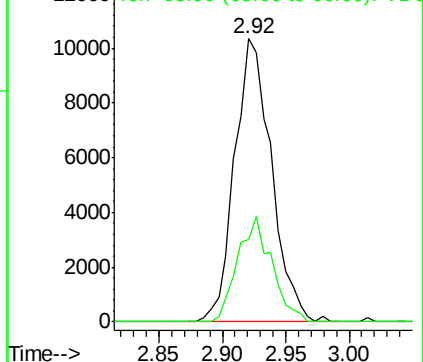
64 100

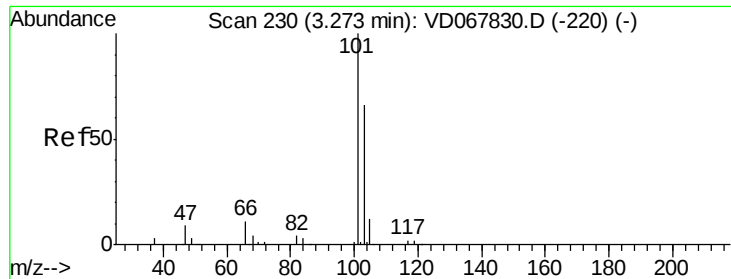
66 29.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

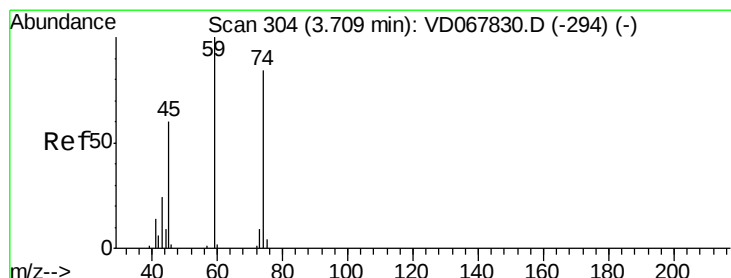
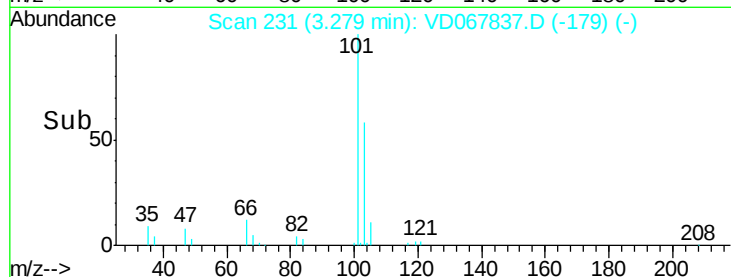
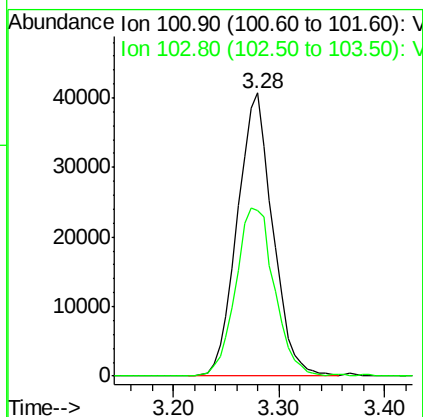
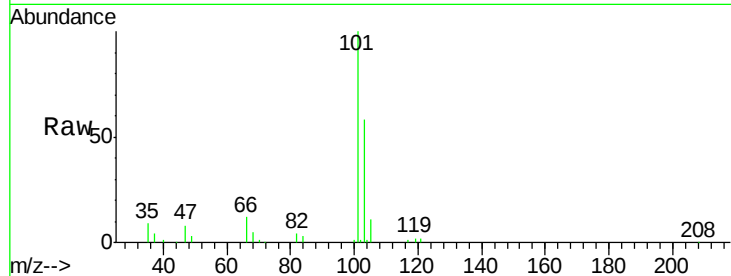
Trichlorofluoromethane
 Concen: 20.079 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

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 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.4	53.0	79.6

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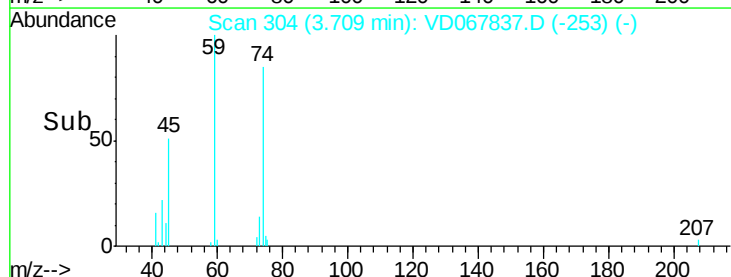
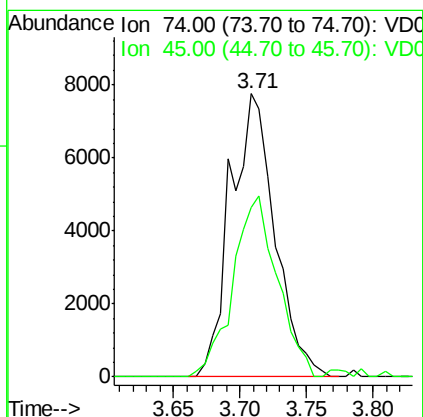
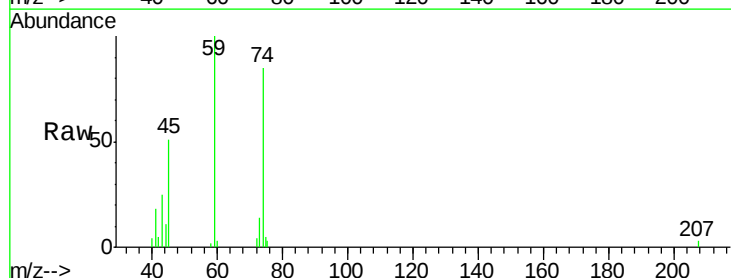
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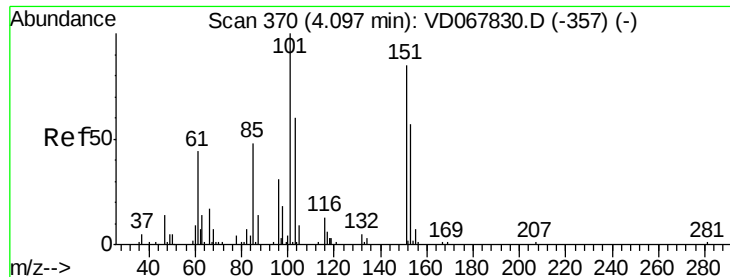


#8

Diethyl Ether
 Concen: 19.506 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	63.9	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.940 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

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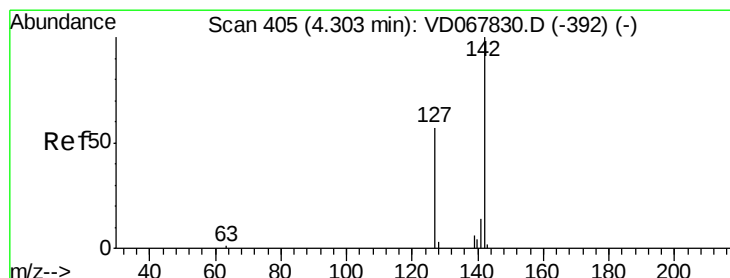
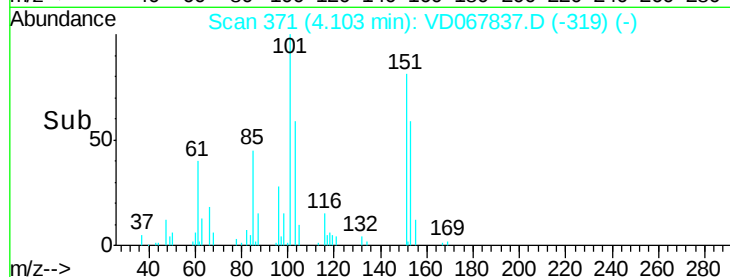
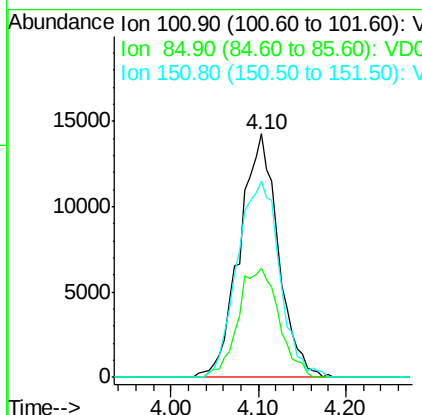
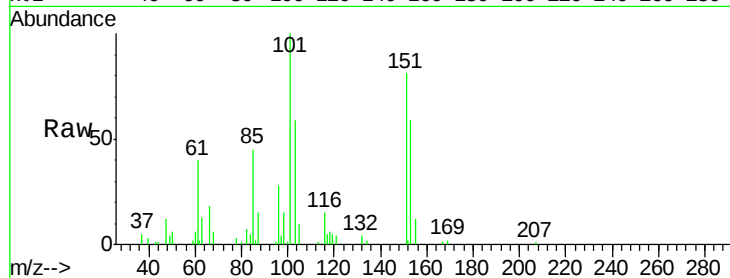
ClientSampleId :

VD1202SBS01

Tot Ion:	101	Resp:	42845
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.2	54.4
151	88.7	69.4	104.2

Manual Integrations
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12/3/2020 9:56:34 AM



#10

Methyl Iodide

Concen: 11.026 ug/l

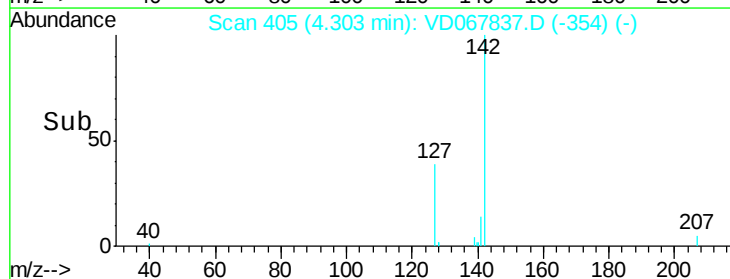
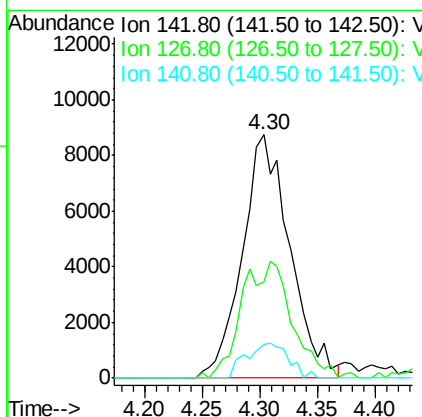
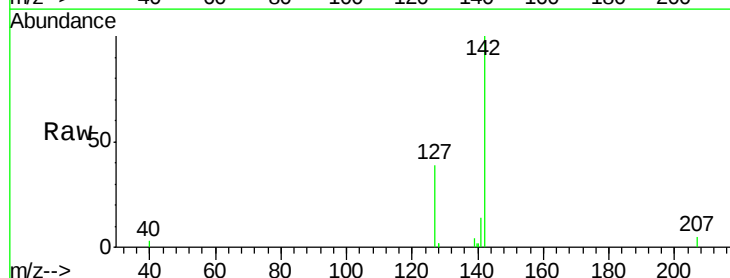
RT: 4.30 min Scan# 405

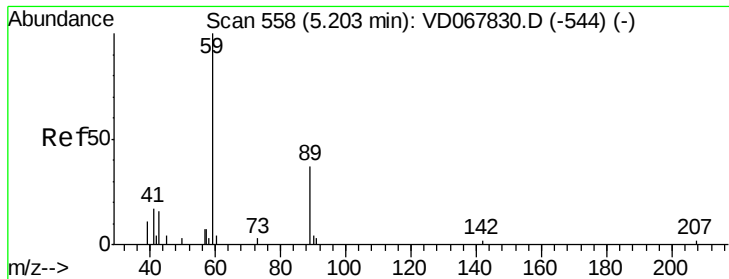
Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion:	142	Resp:	25113
Ion Ratio	Lower	Upper	
142	100		
127	20.0	43.9	65.9#
141	12.9	12.2	18.2





#11

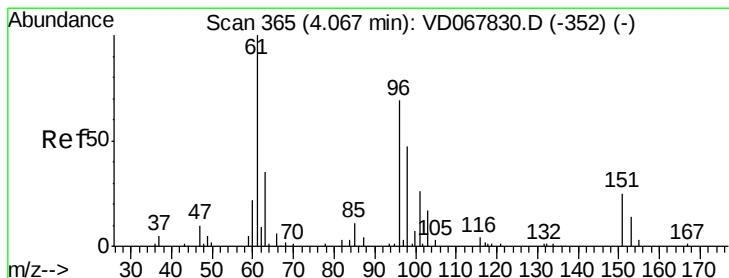
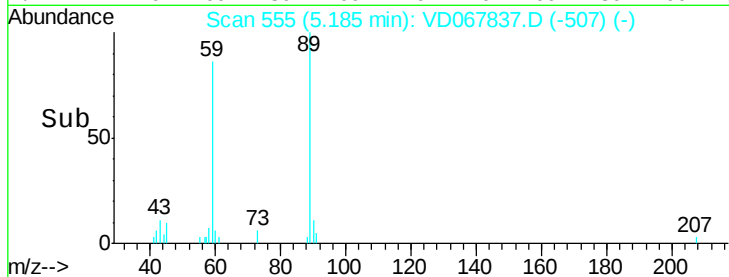
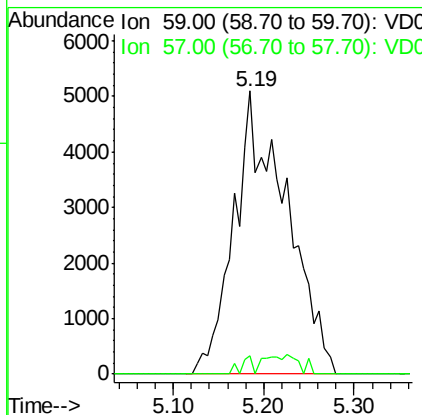
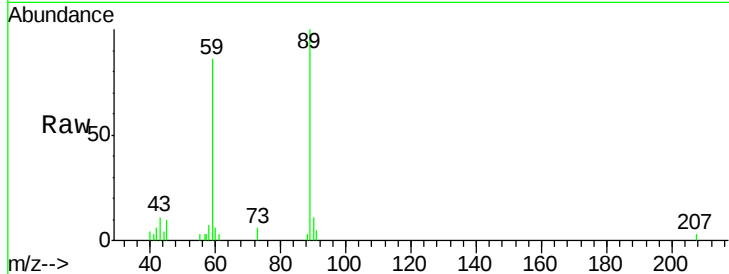
Tert butyl alcohol
Concen: 123.044 ug/l m
RT: 5.19 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20450		
57	1.4	7.7	11.5#	

Manual Integrations
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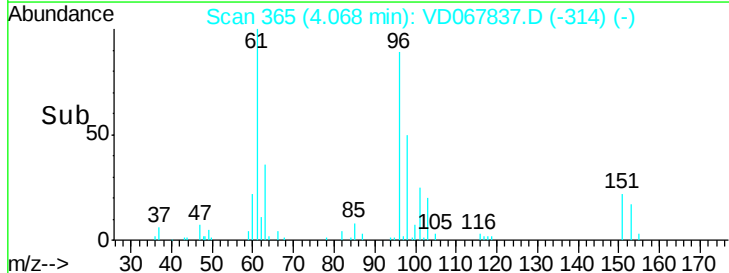
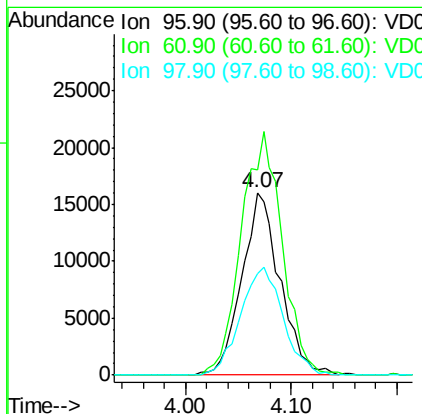
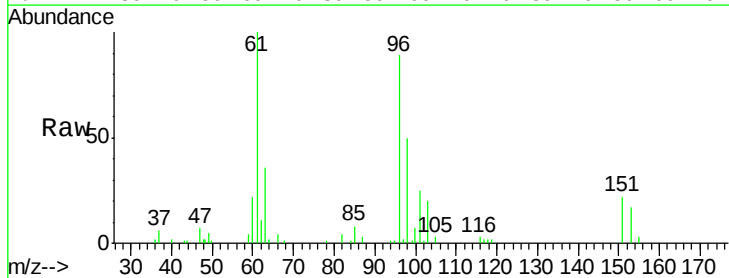
MMDadoda
12/3/2020 9:56:34 AM

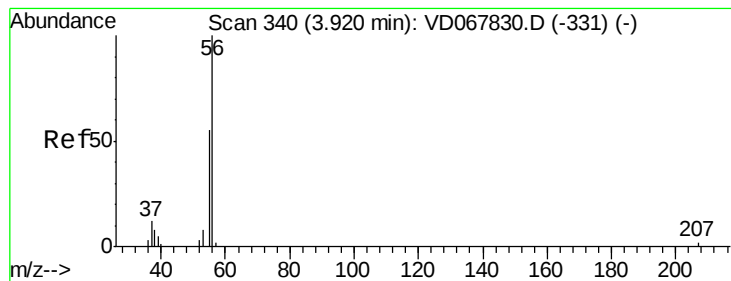


#12

1,1-Dichloroethene
Concen: 19.955 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	40256		
61	112.4	116.1	174.1#	
98	55.8	54.6	82.0	





#13

Acrolein

Concen: 82.234 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 56 Resp: 8259

Ion Ratio Lower Upper

56 100

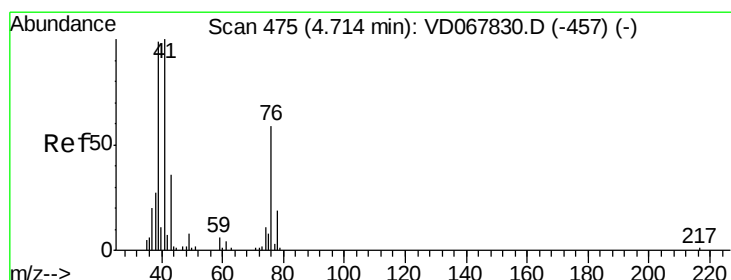
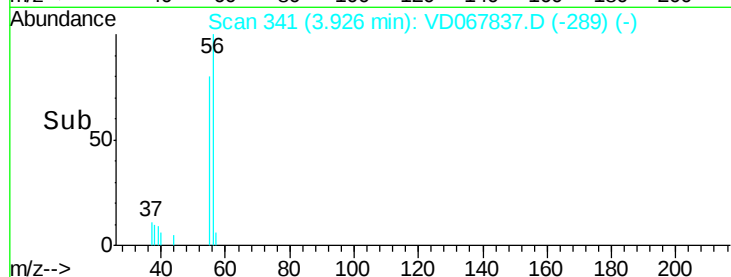
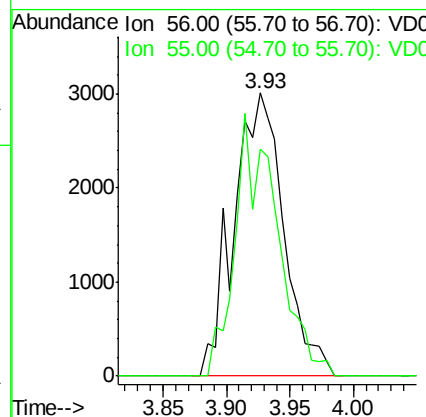
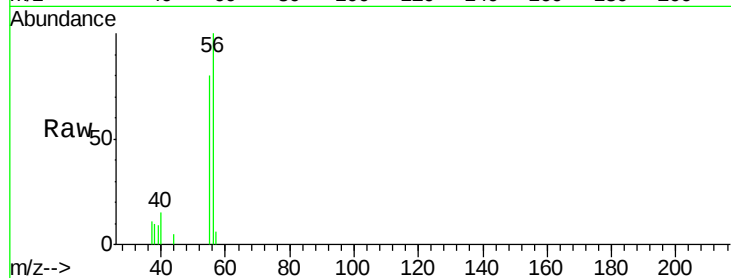
55 34.4 56.5 84.7#

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.686 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

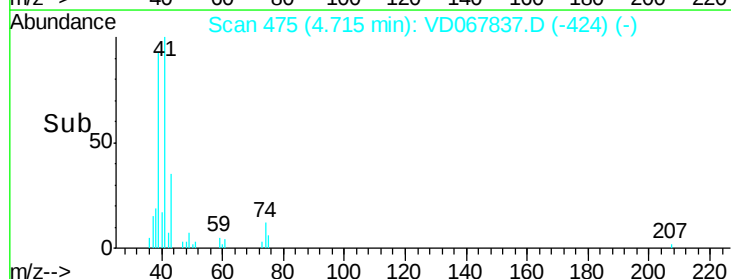
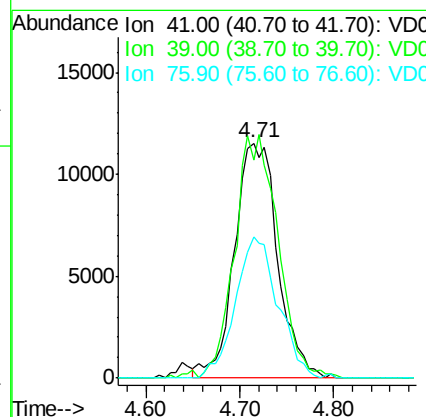
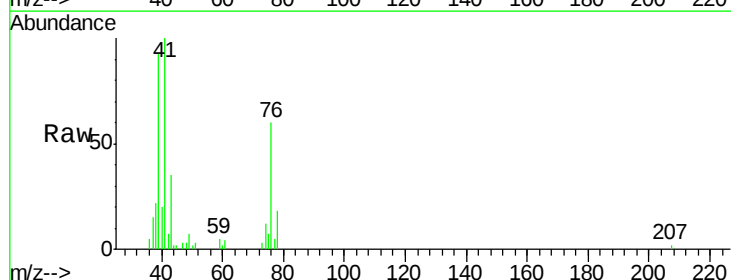
Tgt Ion: 41 Resp: 36739

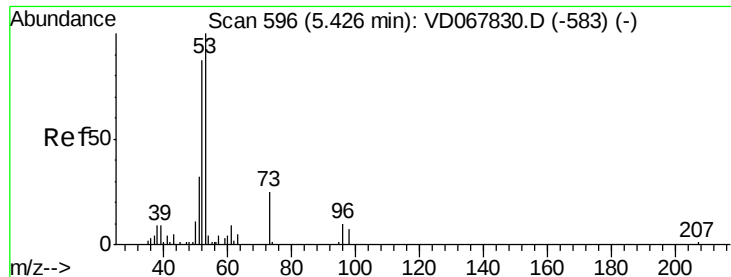
Ion Ratio Lower Upper

41 100

39 103.9 79.0 118.6

76 59.1 46.6 70.0





#15

Acrylonitrile

Concen: 94.423 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

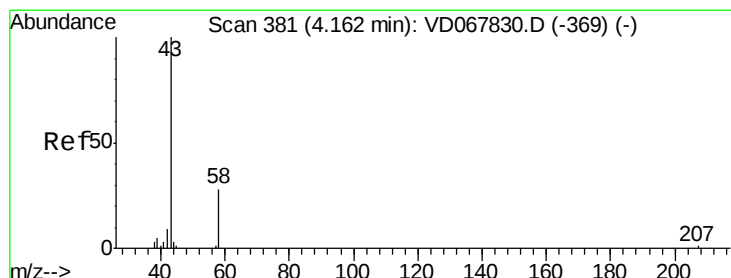
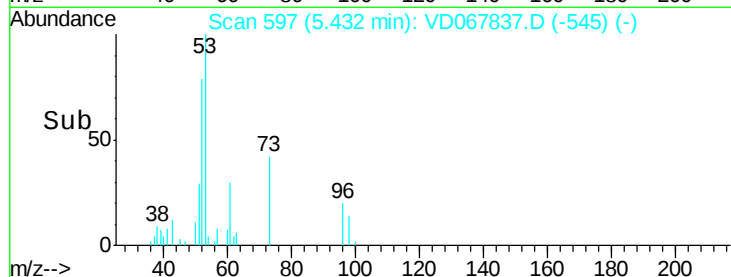
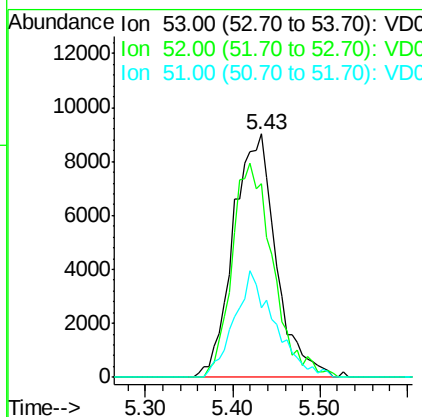
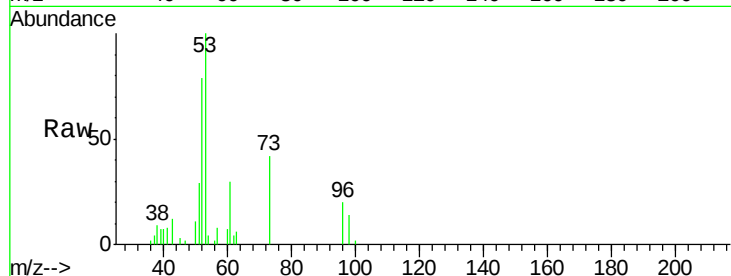
ClientSampleId :

VD1202SBS01

Tot Ion:	53	Resp:	30070
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	41.3	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 86.017 ug/l

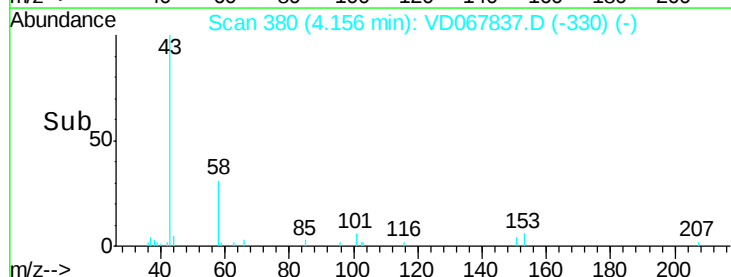
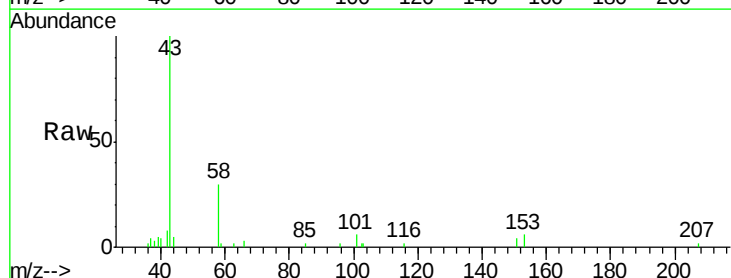
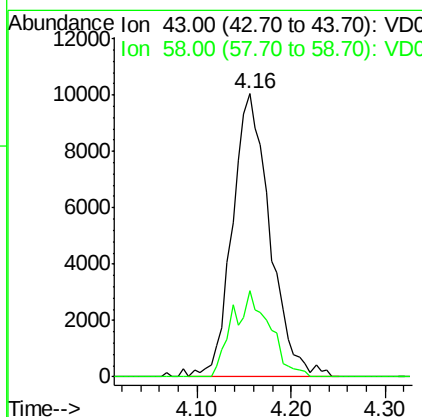
RT: 4.16 min Scan# 380

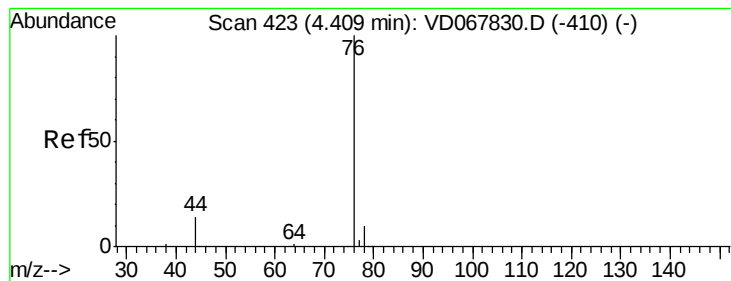
Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion:	43	Resp:	27779
Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.9	32.9





#17

Carbon Disulfide

Concen: 19.468 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 76 Resp: 109650

Ion Ratio Lower Upper

76 100

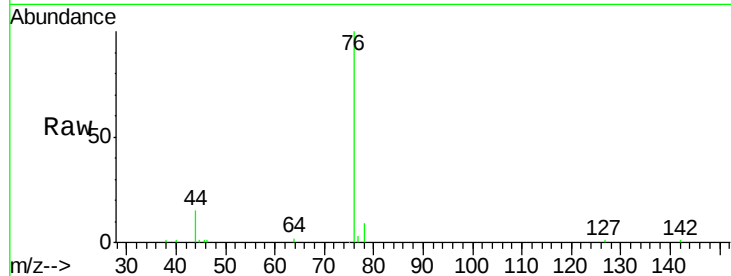
78 9.1 7.8 11.6

Manual Integrations

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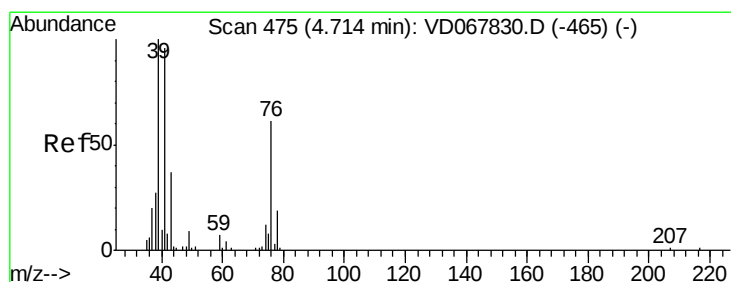
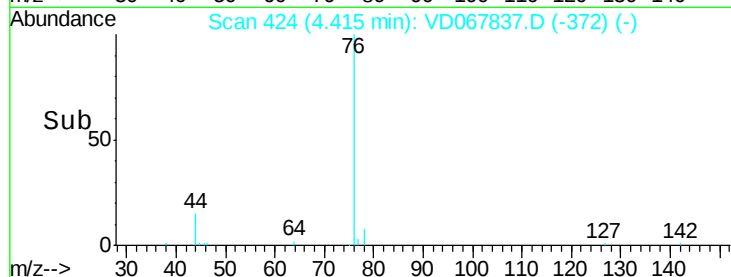
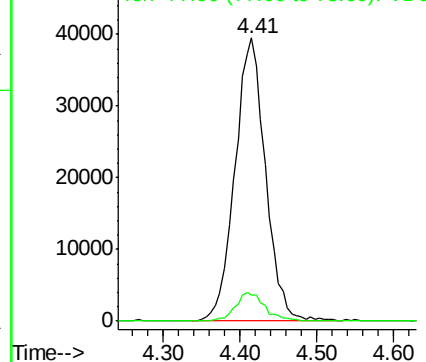
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.588 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067837.D

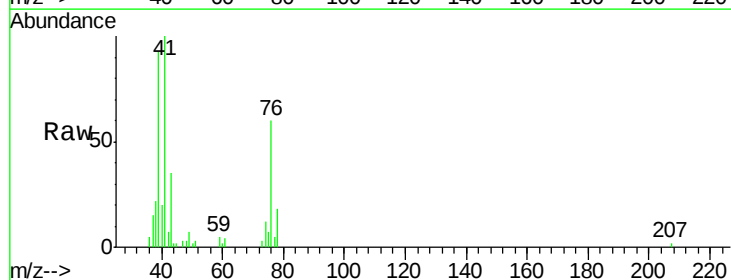
Acq: 02 Dec 2020 15:48

Tgt Ion: 43 Resp: 11543

Ion Ratio Lower Upper

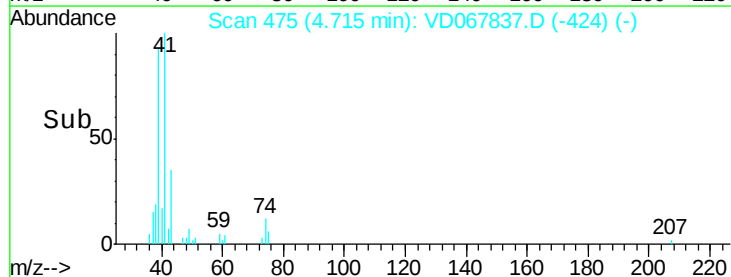
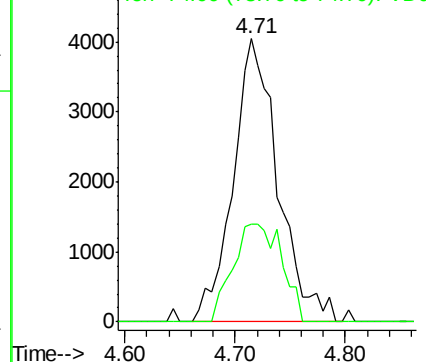
43 100

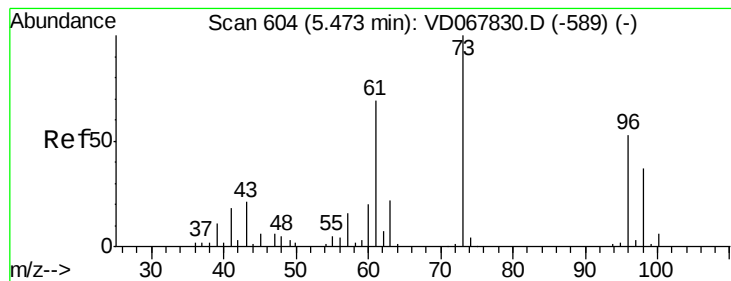
74 37.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

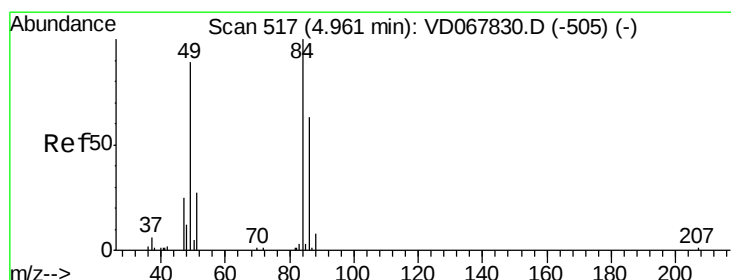
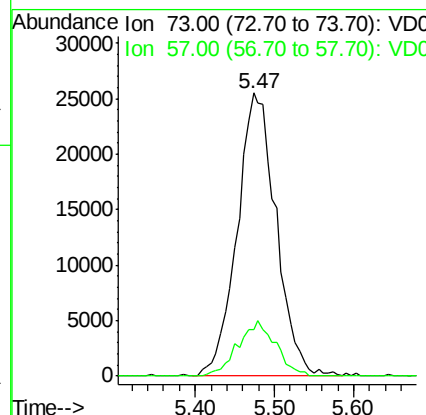
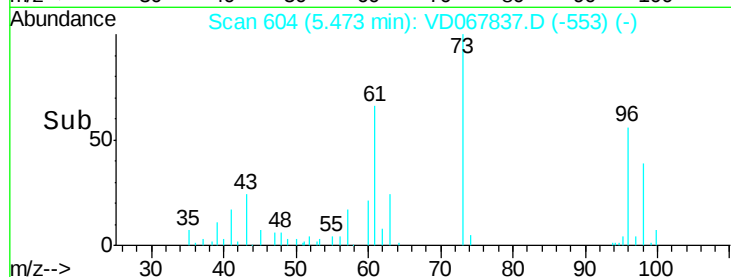
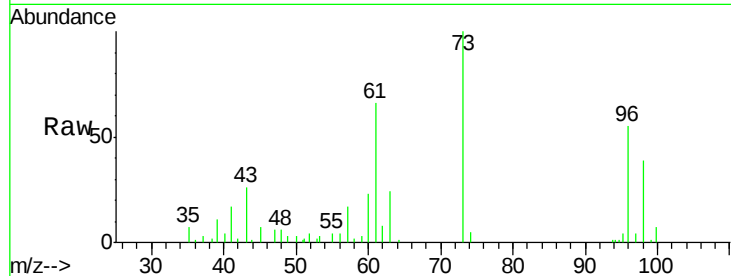
Methyl tert-butyl Ether
 Concen: 20.100 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	13.2	19.8

Manual Integrations
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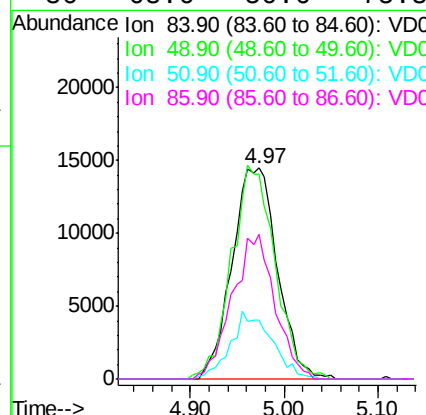
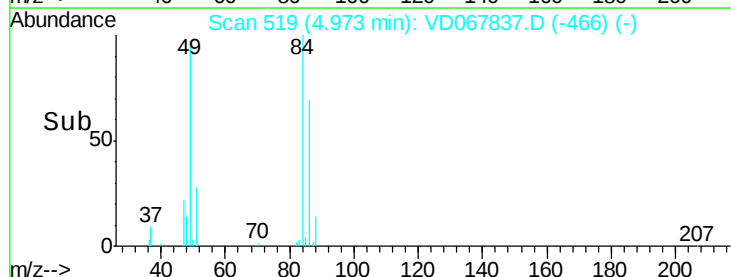
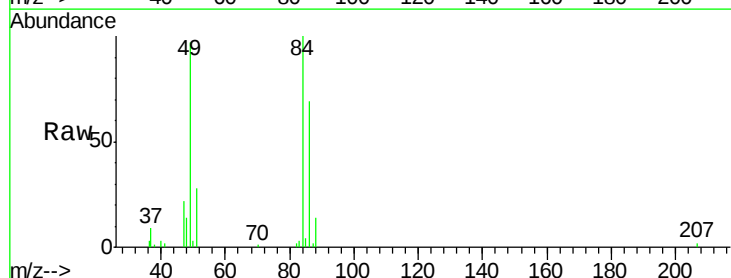
MMDadoda
 12/3/2020 9:56:34 AM

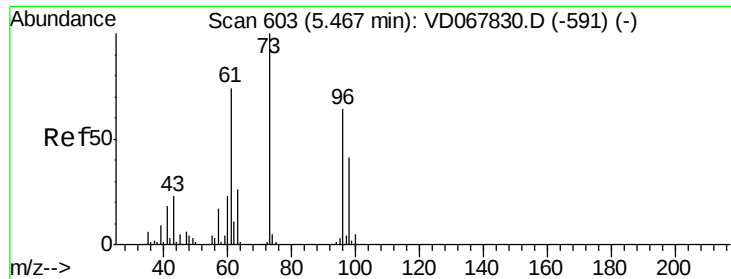


#20

Methylene Chloride
 Concen: 20.805 ug/l
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	97.3	71.4	107.0
51	28.0	21.8	32.8
86	68.6	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 19.626 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

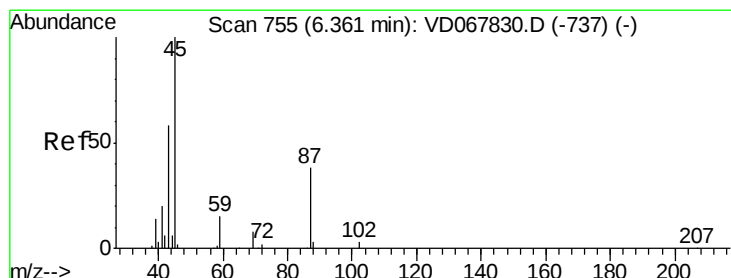
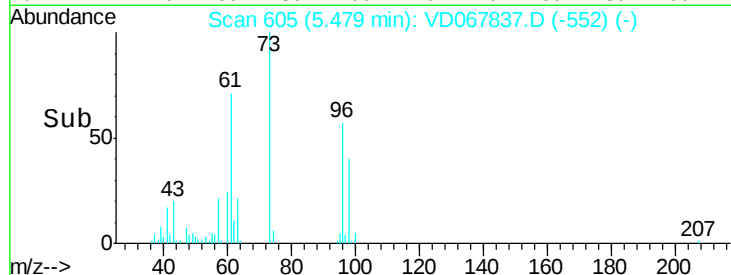
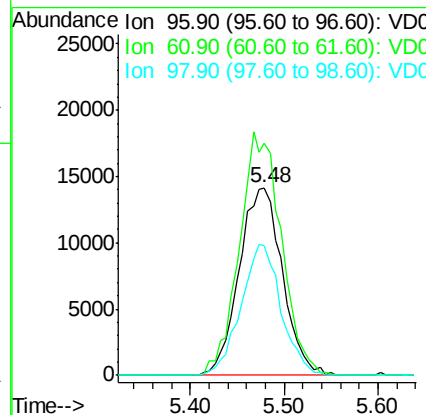
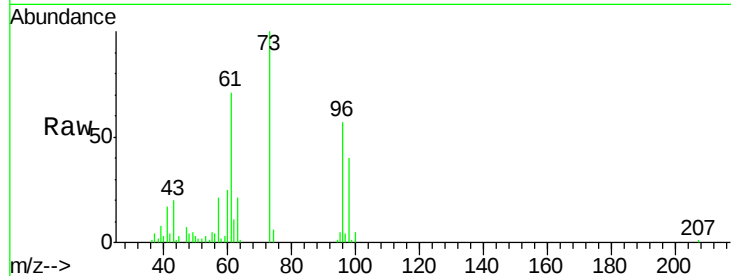
ClientSampleId :

VD1202SBS01

Tot Ion:	96	Resp:	45052
Ion	Ratio	Lower	Upper
96	100		
61	123.9	93.1	139.7
98	69.1	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.698 ug/l

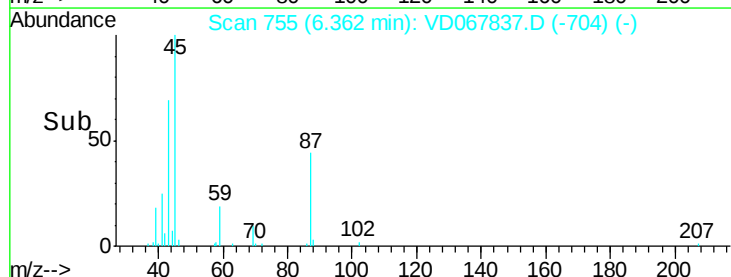
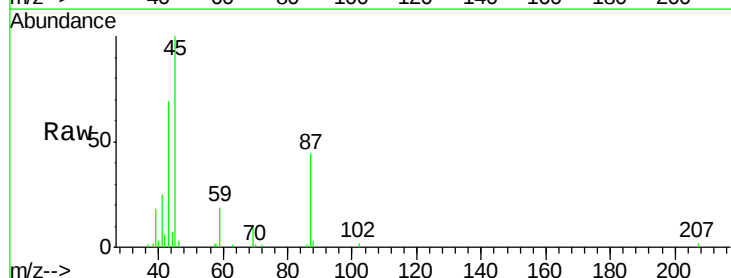
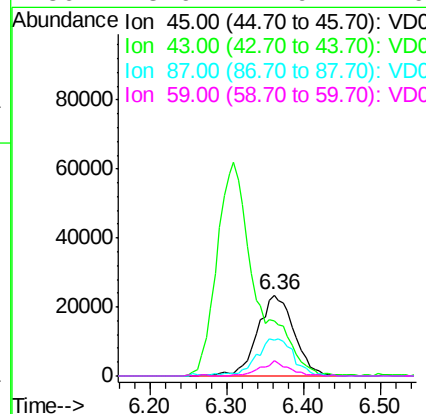
RT: 6.36 min Scan# 755

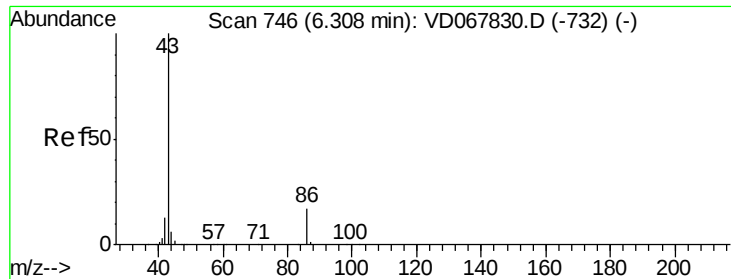
Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion:	45	Resp:	77691
Ion	Ratio	Lower	Upper
45	100		
43	67.6	49.8	74.6
87	44.4	32.1	48.1
59	18.9	11.9	17.9





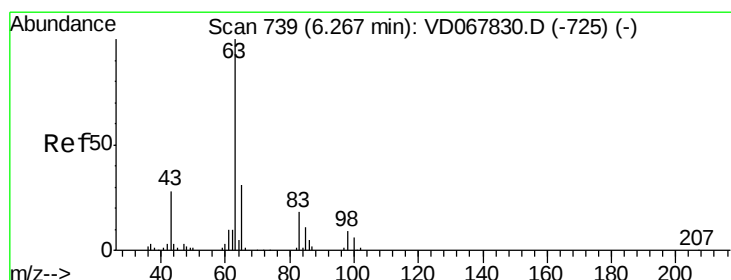
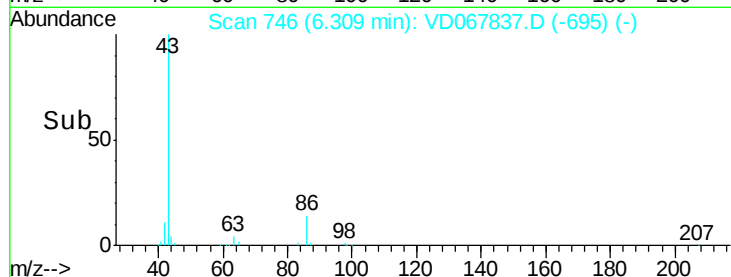
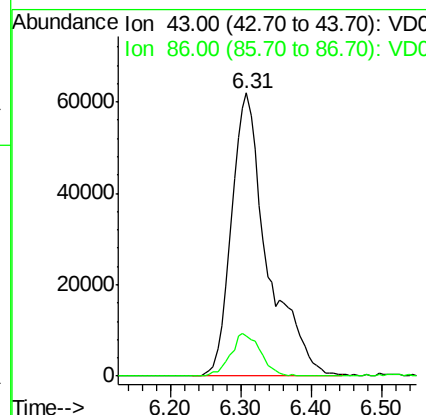
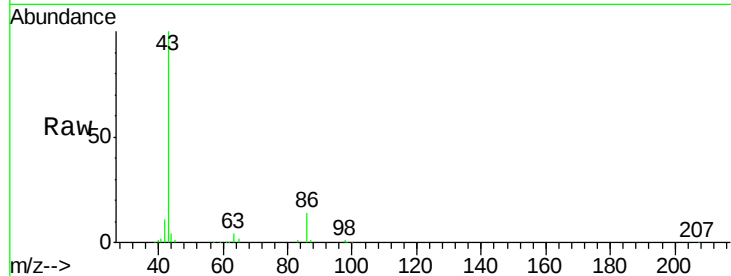
#23
 Vinyl Acetate
 Concen: 104.728 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	14.2	13.8	20.6

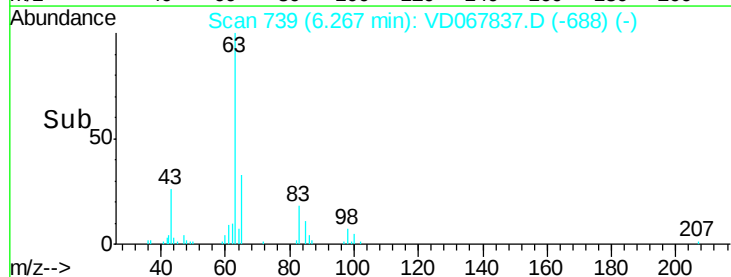
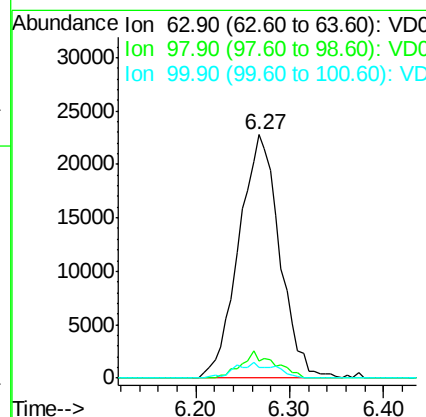
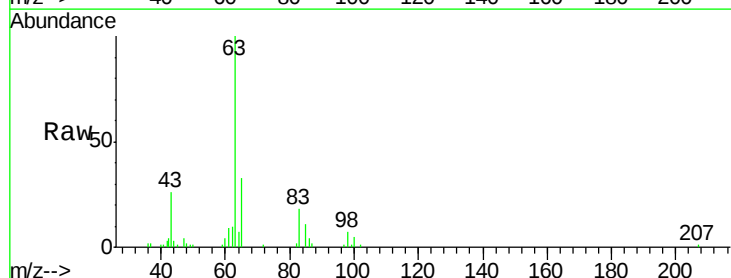
Manual Integrations
 APPROVED

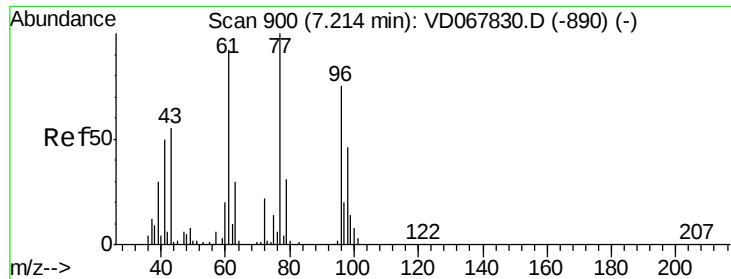
MMDadoda
 12/3/2020 9:56:34 AM



#24
 1,1-Dichloroethane
 Concen: 20.859 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	4.5	13.5
100	4.5	3.0	9.2





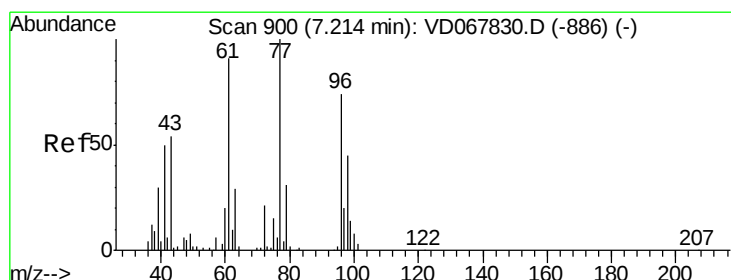
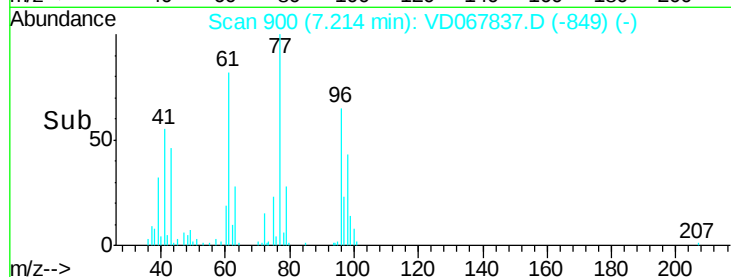
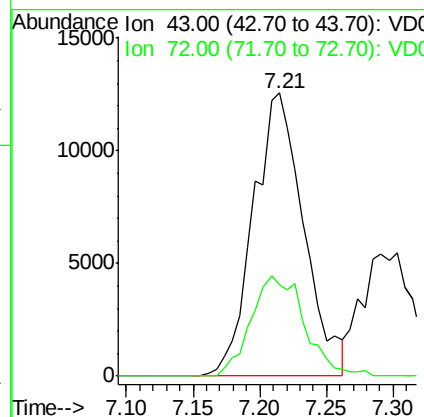
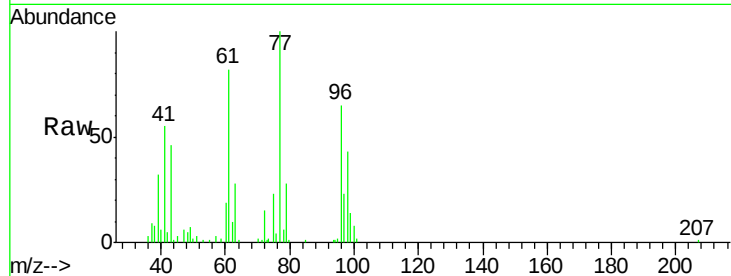
#25
2-Butanone
Concen: 97.304 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion: 43 Resp: 33052
Ion Ratio Lower Upper
43 100
72 32.3 31.3 46.9

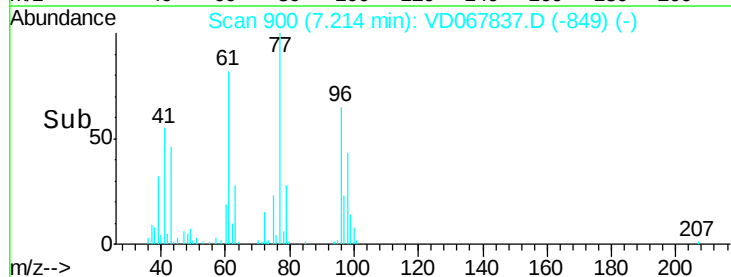
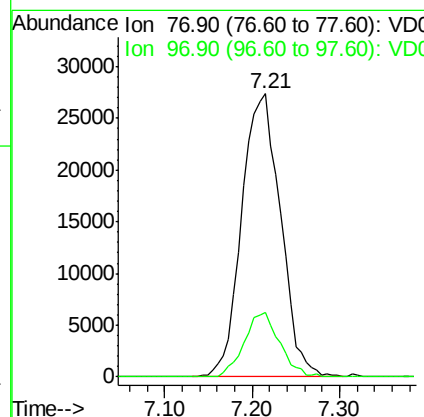
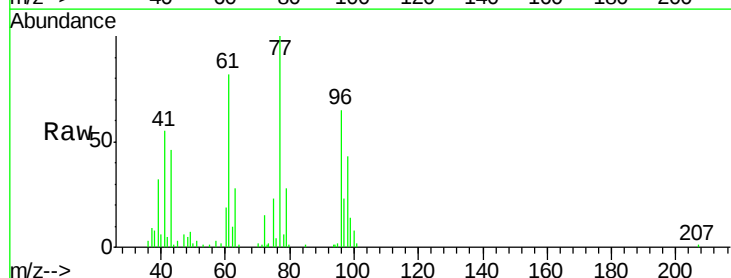
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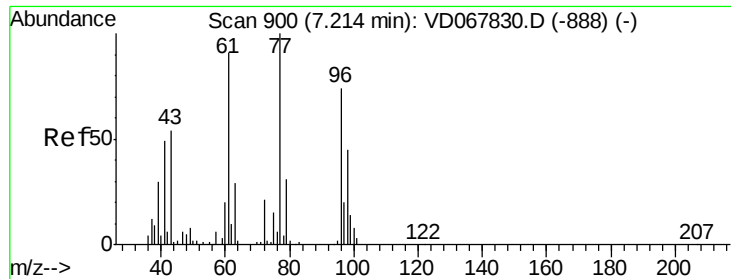
MMDadoda
12/3/2020 9:56:34 AM



#26
2,2-Dichloropropane
Concen: 21.046 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 77 Resp: 82575
Ion Ratio Lower Upper
77 100
97 20.6 11.1 33.1





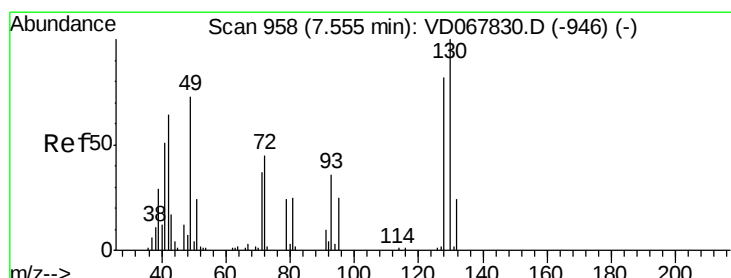
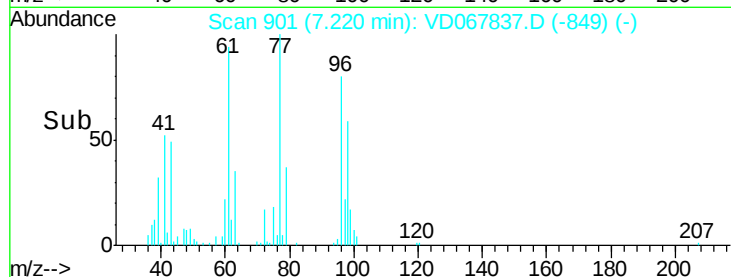
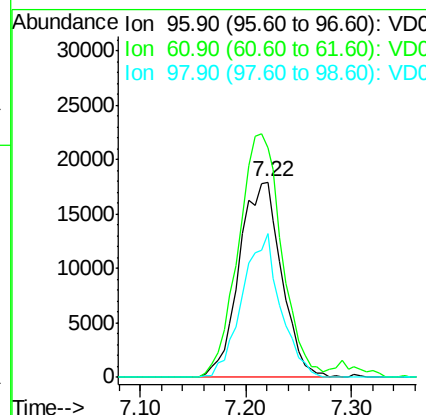
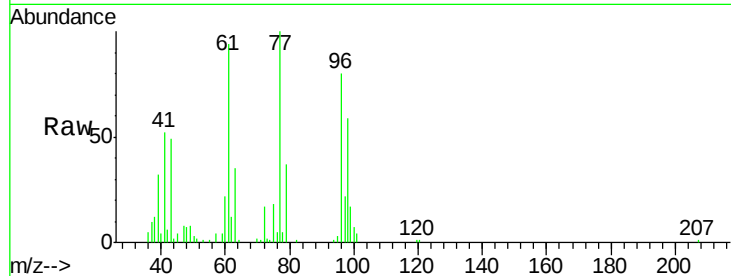
#27
 cis-1,2-Dichloroethene
 Concen: 19.870 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	248.4
98	66.4	0.0	127.4

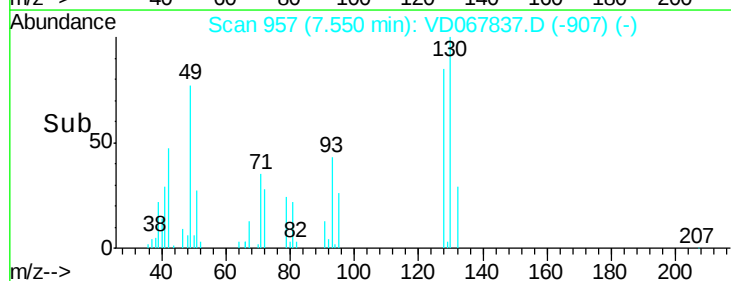
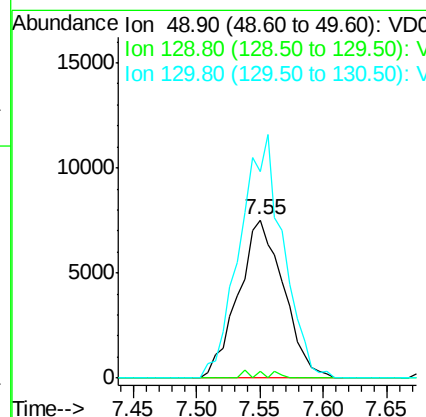
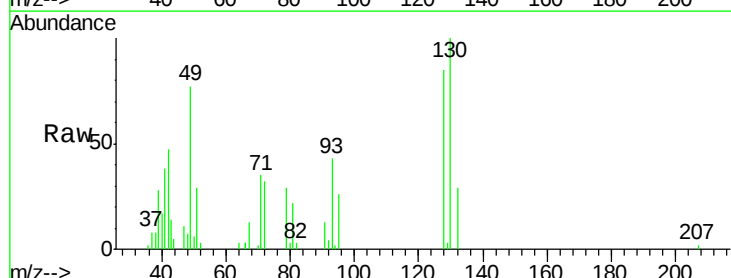
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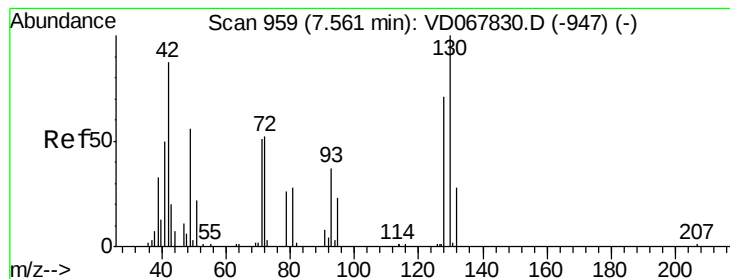
MMDadoda
 12/3/2020 9:56:34 AM



#28
 Bromochloromethane
 Concen: 17.904 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	147.4	110.2	165.2





#29

Tetrahydrofuran

Concen: 102.736 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

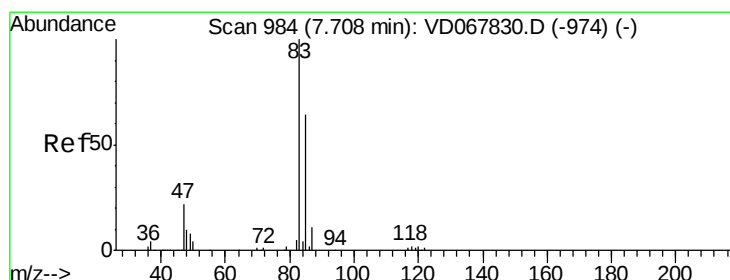
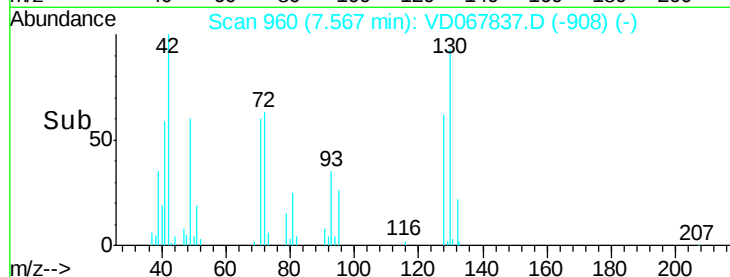
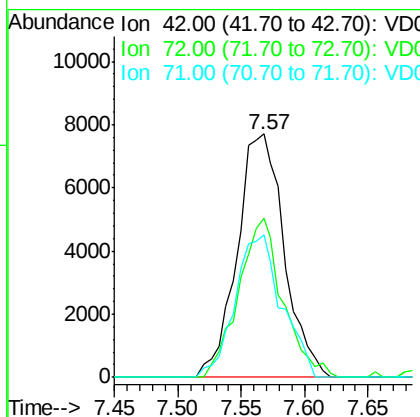
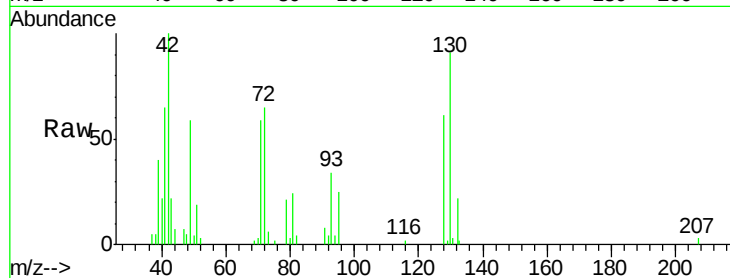
ClientSampleId :

VD1202SBS01

Tot Ion:	42	Resp:	19870
Ion	Ratio	Lower	Upper
42	100		
72	61.5	51.9	77.9
71	58.4	48.2	72.4

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#30

Chloroform

Concen: 19.557 ug/l

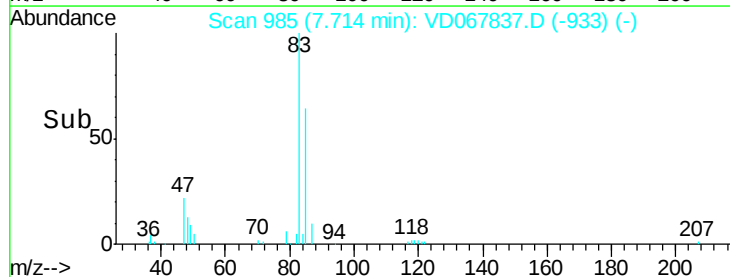
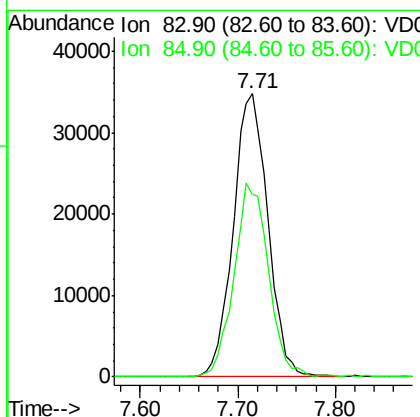
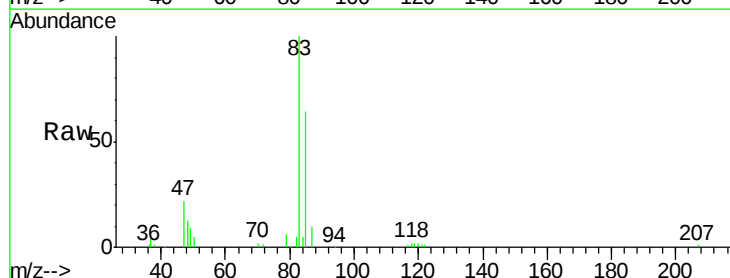
RT: 7.71 min Scan# 985

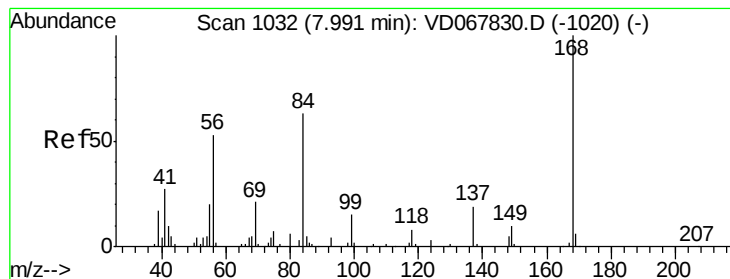
Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion:	83	Resp:	85994
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4





#31

Cyclohexane

Concen: 20.924 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

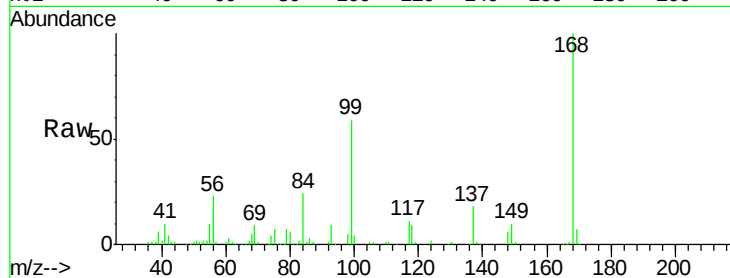
ClientSampleId :

VD1202SBS01

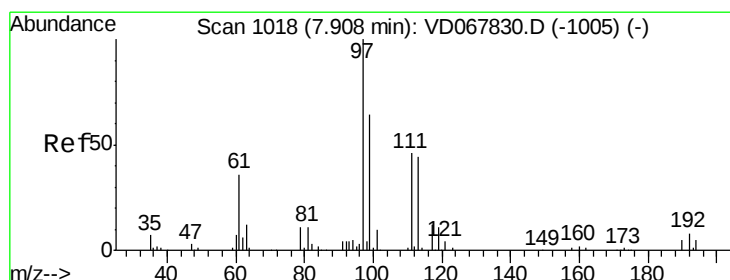
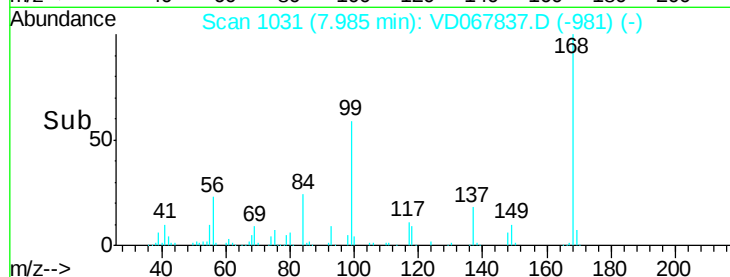
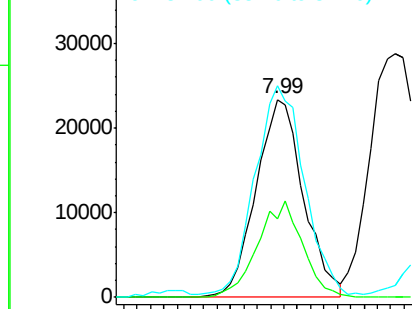
Tot Ion:	56	Resp:	57615
Ion	Ratio	Lower	Upper
56	100		
69	39.8	32.1	48.1
84	105.9	93.2	139.8

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



#32

1,1,1-Trichloroethane

Concen: 20.418 ug/l

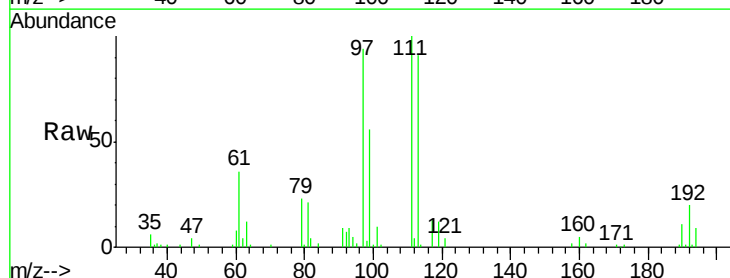
RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

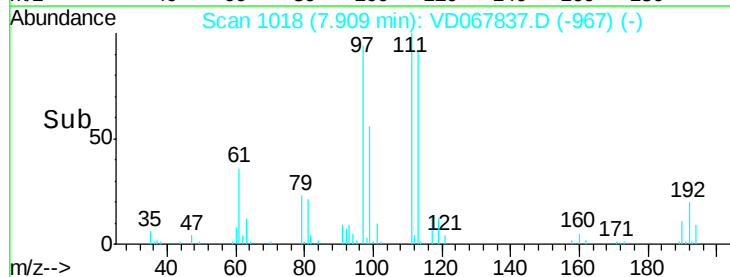
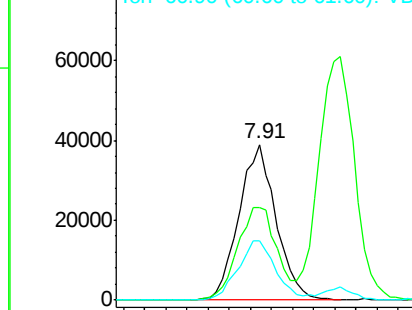
Lab File: VD067837.D

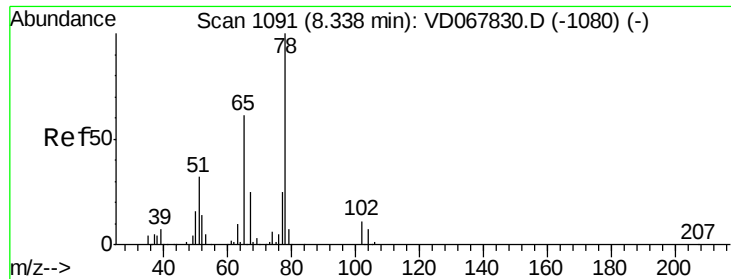
Acq: 02 Dec 2020 15:48

Tgt Ion:	97	Resp:	94774
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.4	77.2
61	38.6	30.8	46.2



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





#33

1,2-Dichloroethane-d4

Concen: 47.794 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 65 Resp: 124909

Ion Ratio Lower Upper

65 100

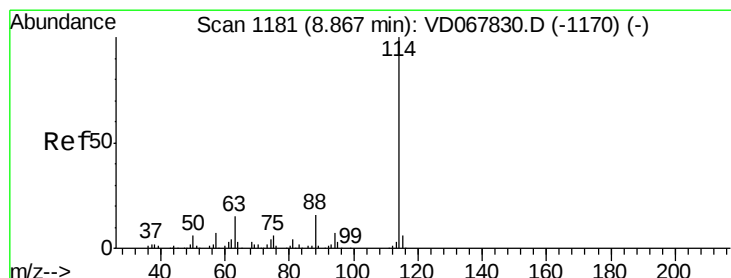
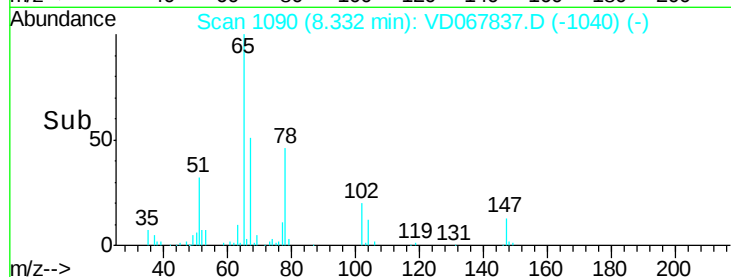
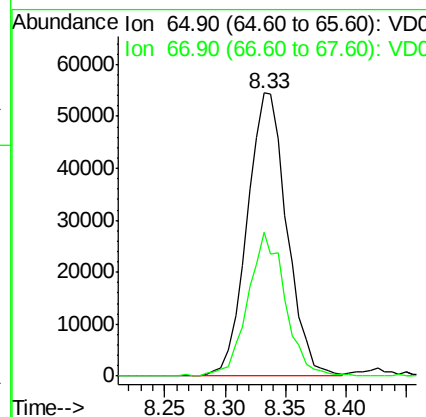
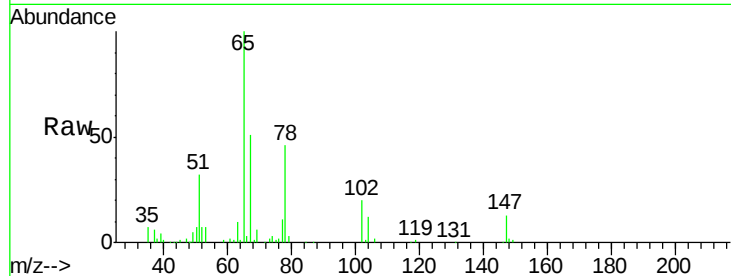
67 47.7 0.0 92.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

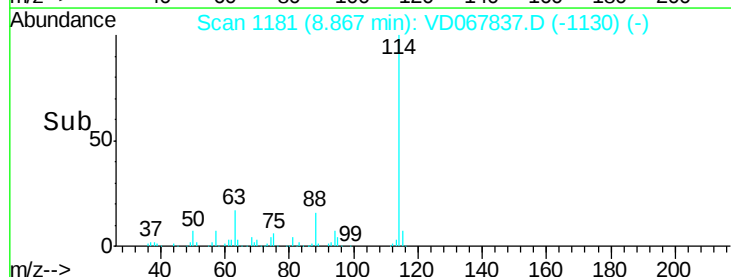
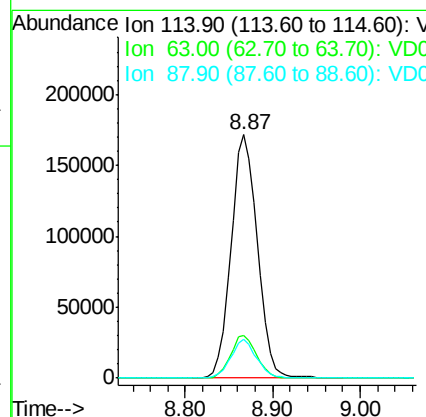
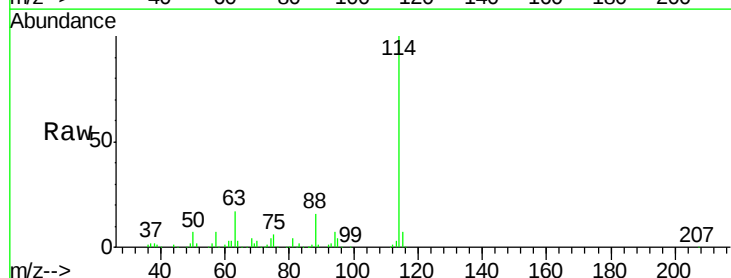
Tgt Ion: 114 Resp: 351276

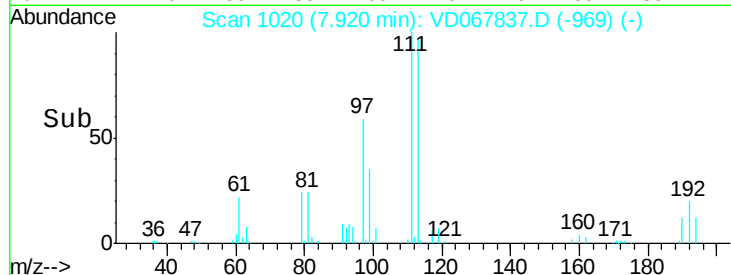
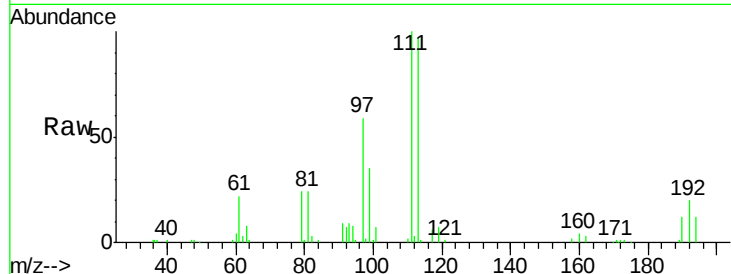
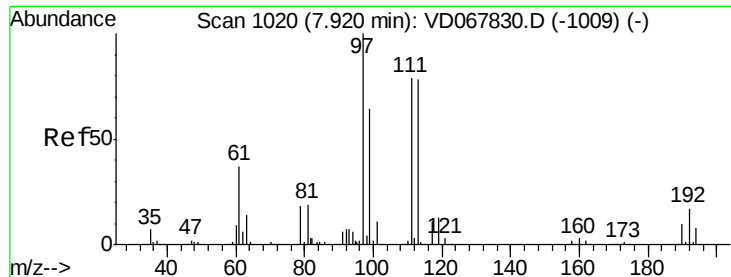
Ion Ratio Lower Upper

114 100

63 17.4 0.0 30.8

88 15.7 0.0 31.8





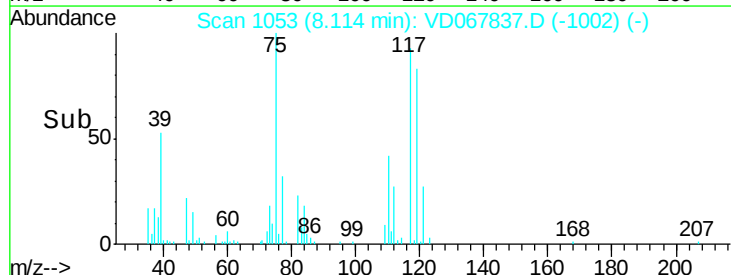
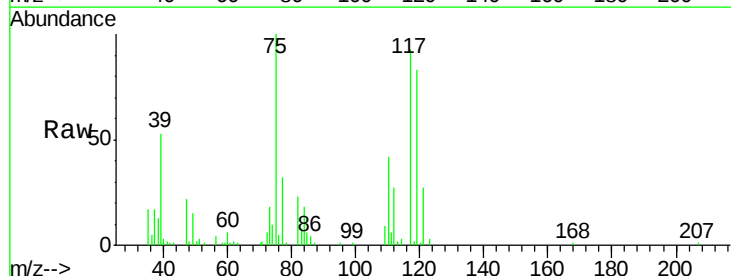
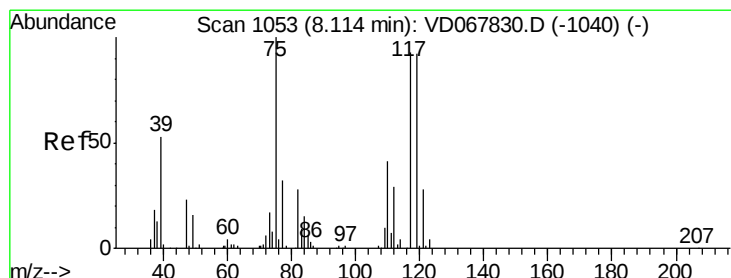
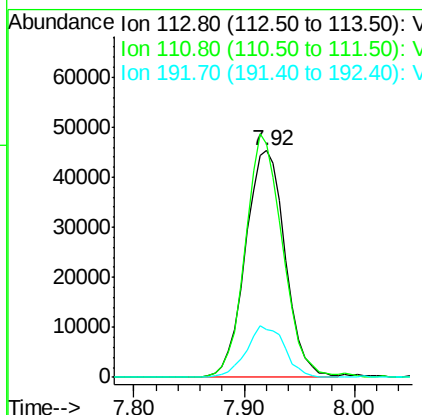
#35
Dibromofluoromethane
Concen: 48.641 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114333		
111	101.3	81.2	121.8	
192	22.0	16.8	25.2	

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

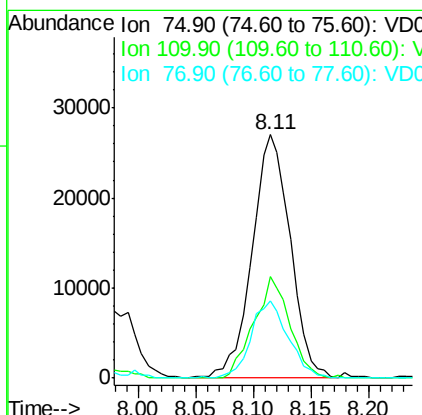
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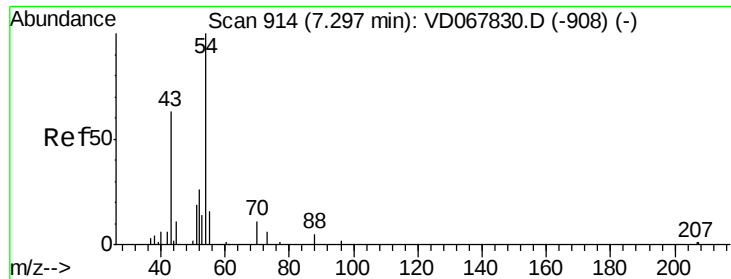
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#36
1,1-Dichloropropene
Concen: 20.483 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62287		
110	39.2	20.3	61.0	
77	30.9	24.7	37.1	





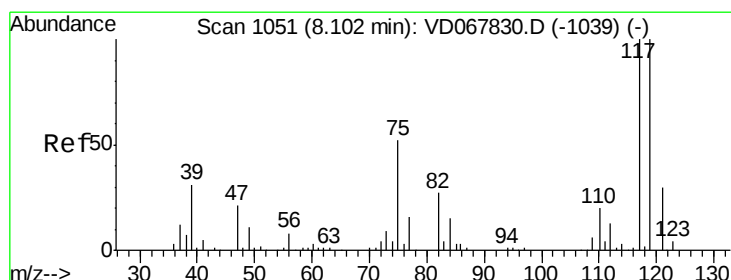
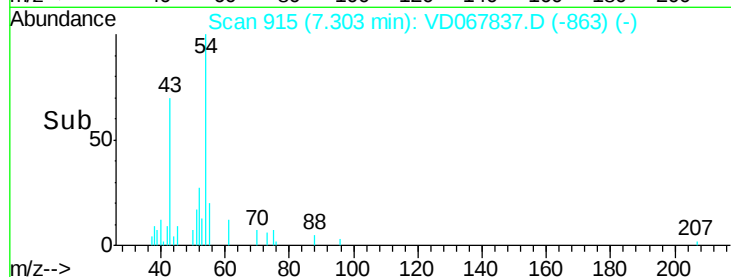
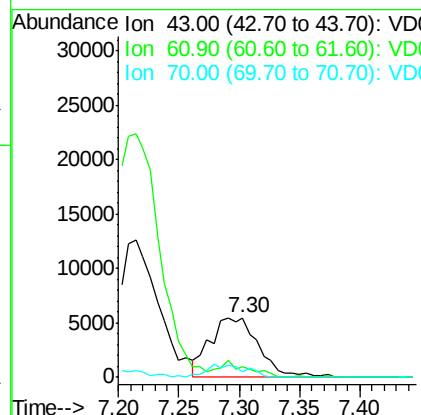
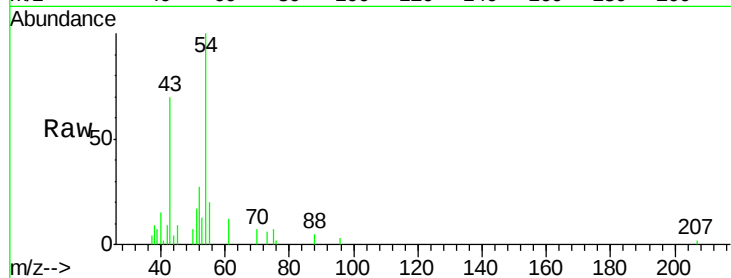
#37
Ethyl Acetate
Concen: 18.607 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	11.4	17.2
70	0.0	11.5	17.3

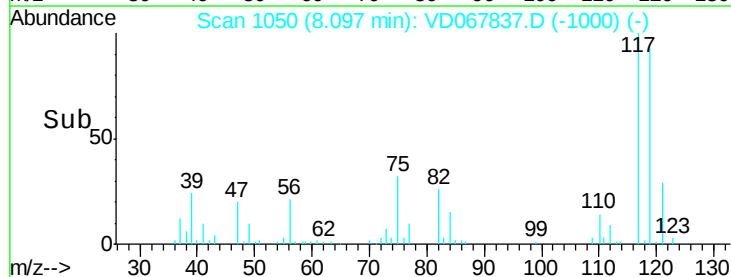
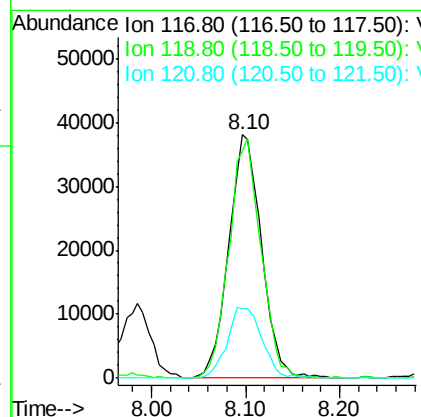
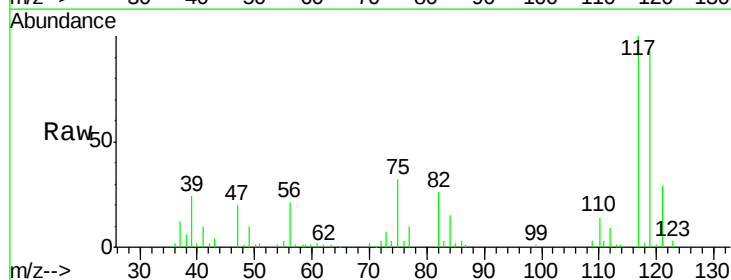
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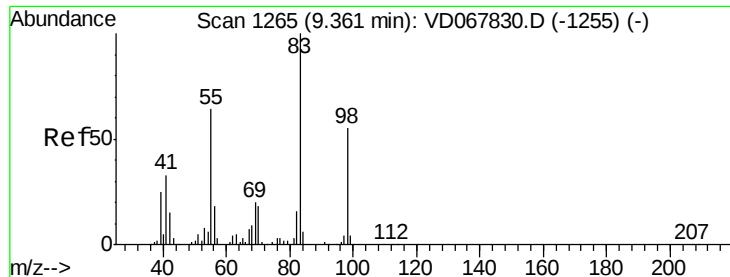
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#38
Carbon Tetrachloride
Concen: 20.071 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.7	119.5
121	28.7	23.8	35.6





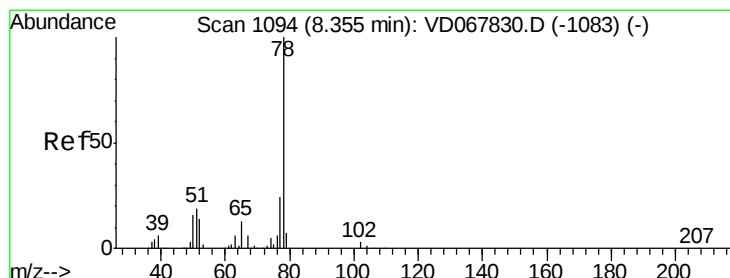
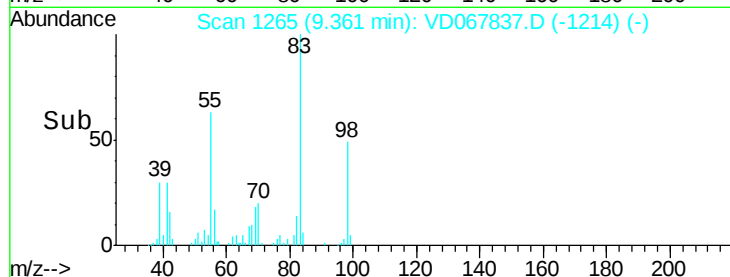
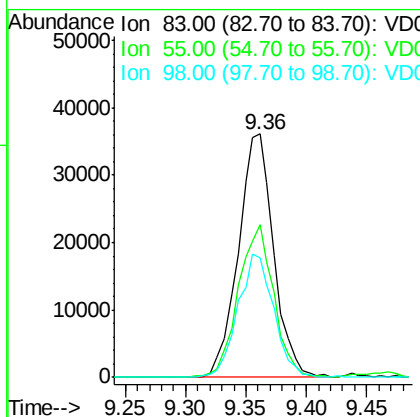
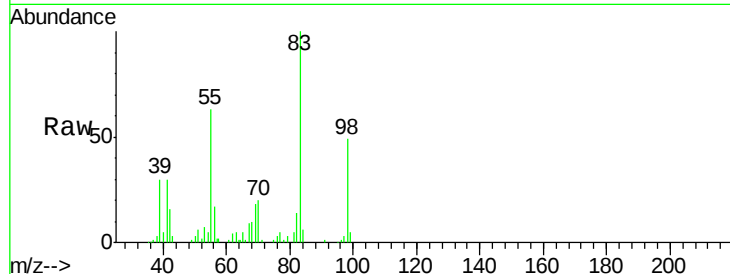
#39
Methvlcvclohexane
Concen: 20.382 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.9	51.6	77.4
98	49.0	44.3	66.5

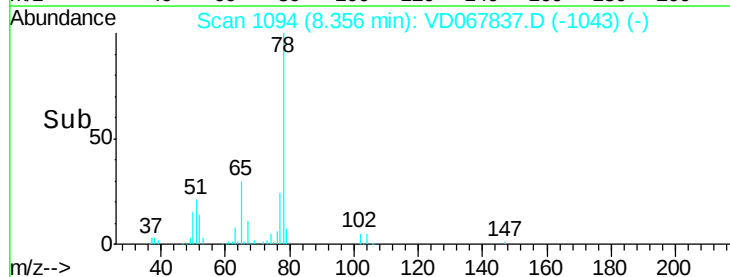
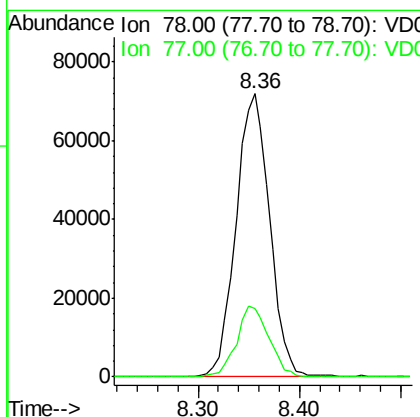
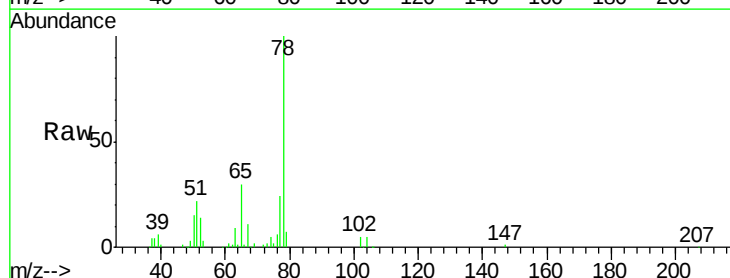
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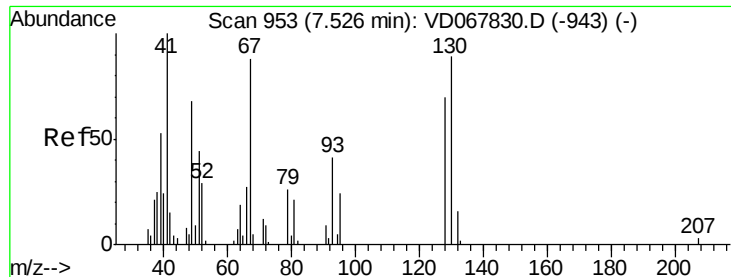
MMDadoda
12/3/2020 9:56:34 AM



#40
Benzene
Concen: 19.864 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





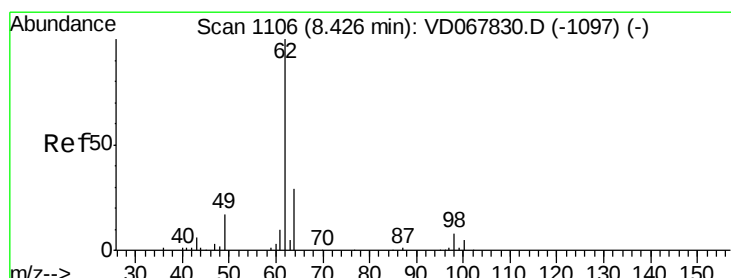
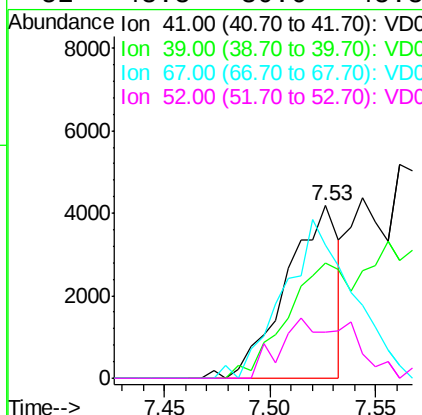
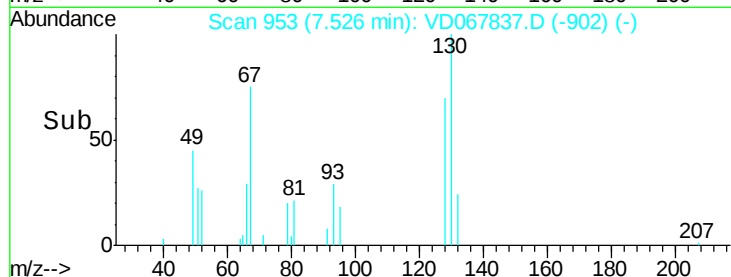
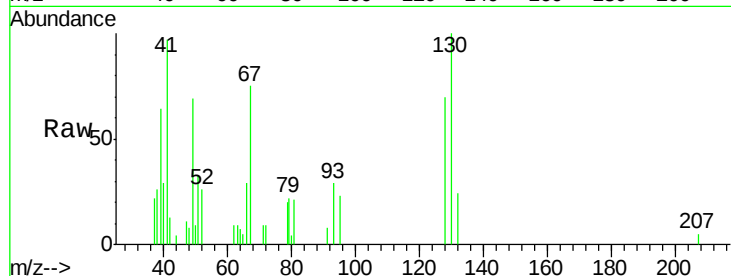
#41
Methacrylonitrile
Concen: 15.531 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.5	42.1	63.1#
67	120.3	82.4	123.6
52	48.8	30.6	45.8#

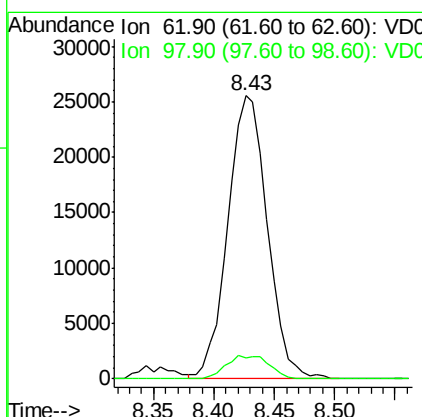
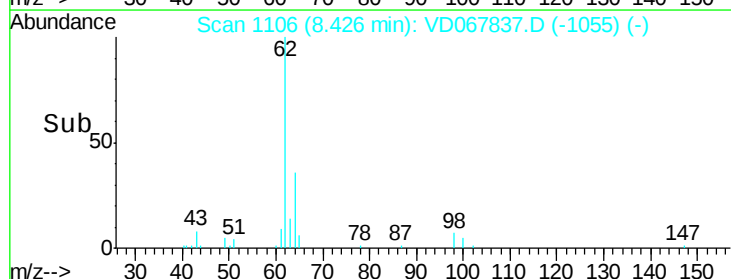
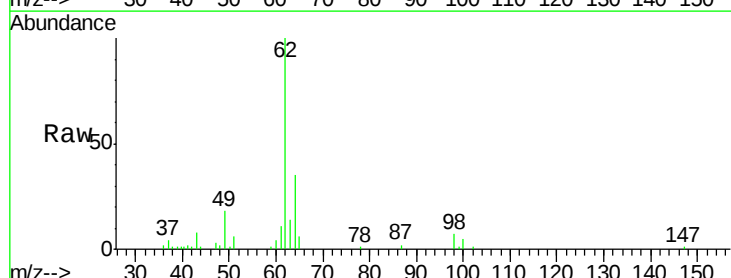
Manual Integrations
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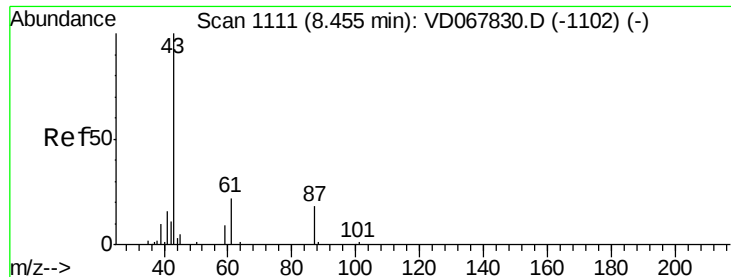
MMDadoda
12/3/2020 9:56:34 AM



#42
1,2-Dichloroethane
Concen: 19.594 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.449 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

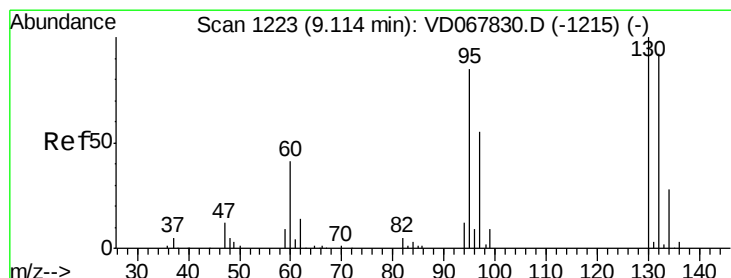
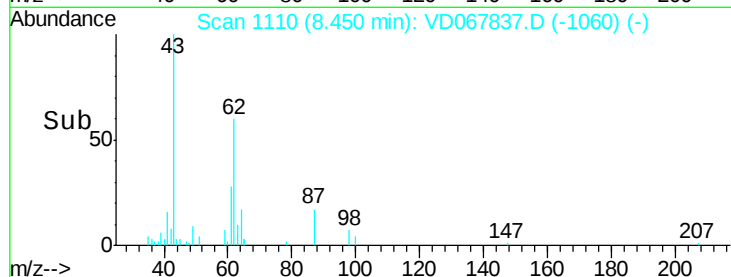
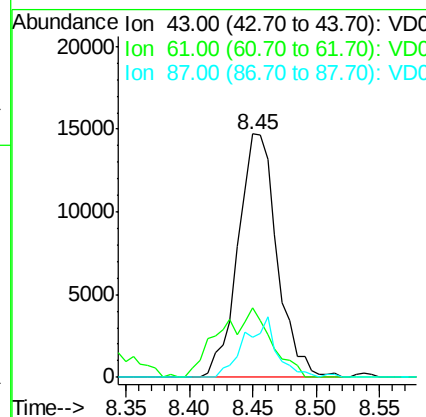
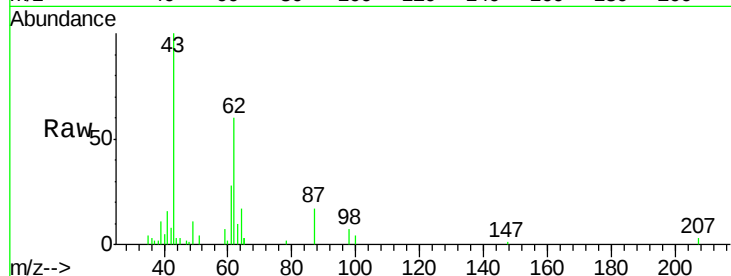
ClientSampleId :

VD1202SBS01

Tot Ion:	43	Resp:	31364
Ion	Ratio	Lower	Upper
43	100		
61	20.4	30.4	45.6#
87	20.6	16.2	24.2

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12/3/2020 9:56:34 AM



#44

Trichloroethene

Concen: 19.928 ug/l

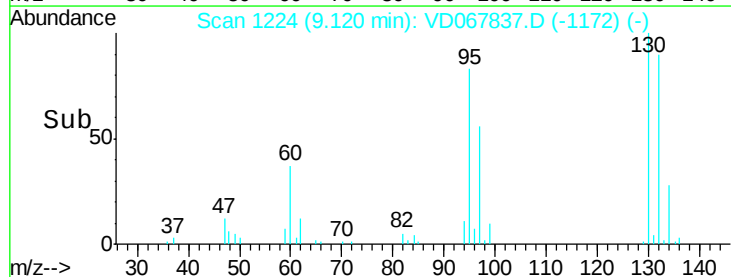
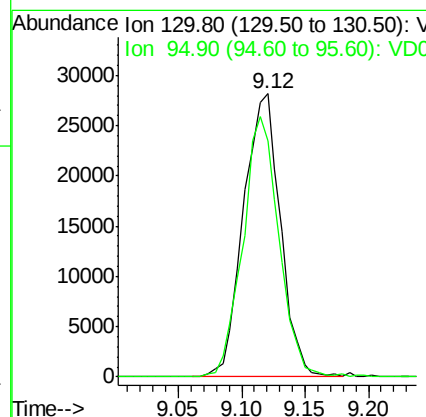
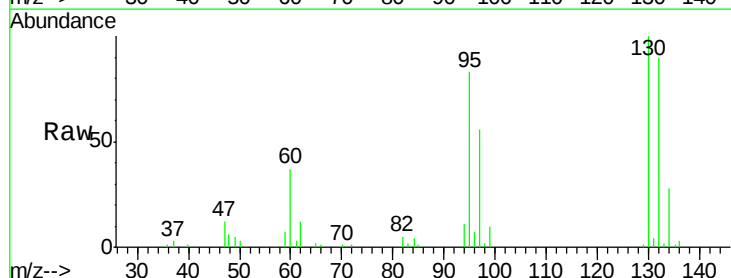
RT: 9.12 min Scan# 1224

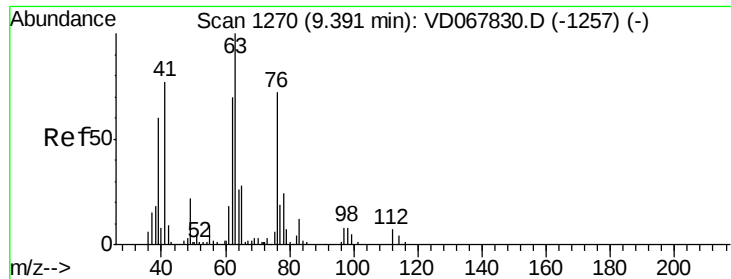
Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion:	130	Resp:	57012
Ion	Ratio	Lower	Upper
130	100		
95	83.2	0.0	170.2





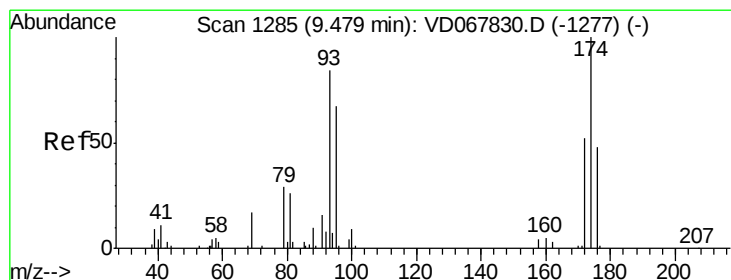
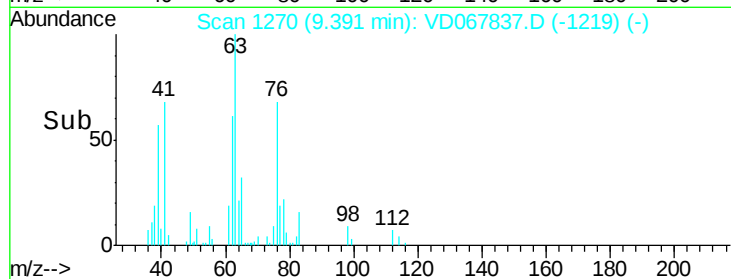
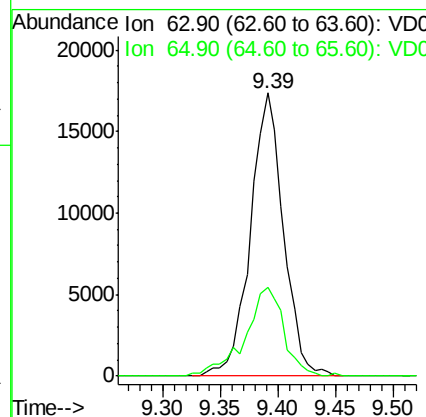
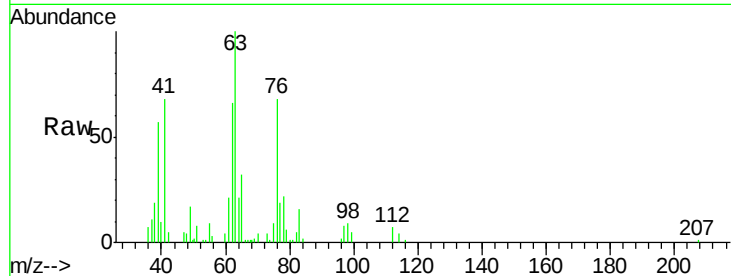
#45
 1,2-Dichloropropane
 Concen: 20.315 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.8	34.2

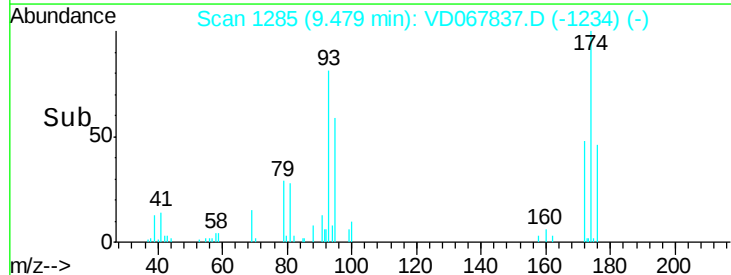
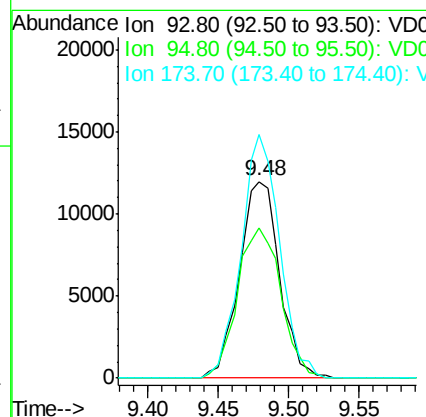
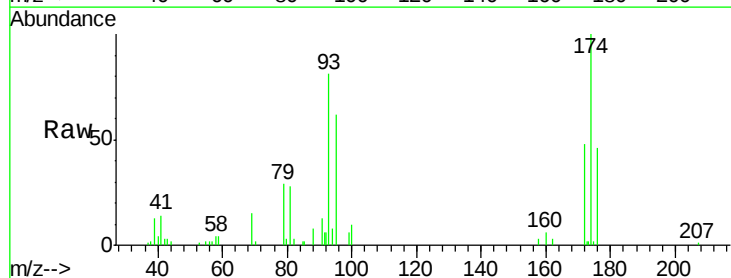
Manual Integrations
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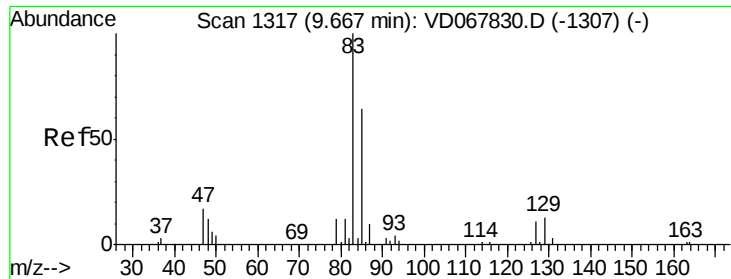
MMDadoda
 12/3/2020 9:56:34 AM



#46
 Dibromomethane
 Concen: 20.134 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	64.2	96.4
174	118.4	91.5	137.3





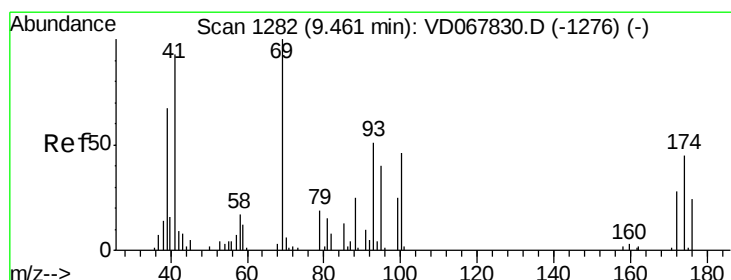
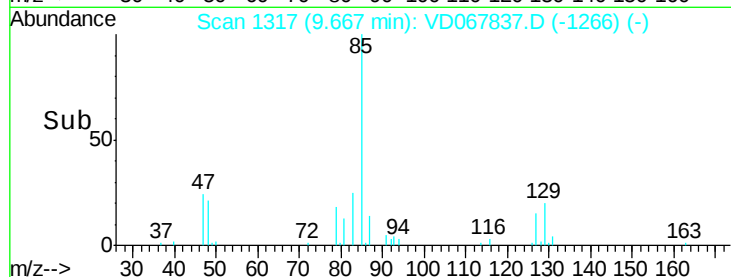
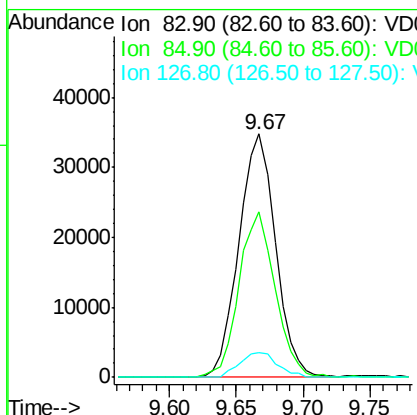
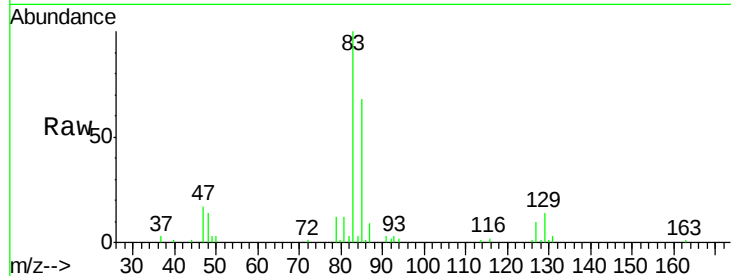
#47
Bromodichloromethane
Concen: 19.584 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	66293		
85	67.9		51.4	77.0
127	10.4		8.5	12.7

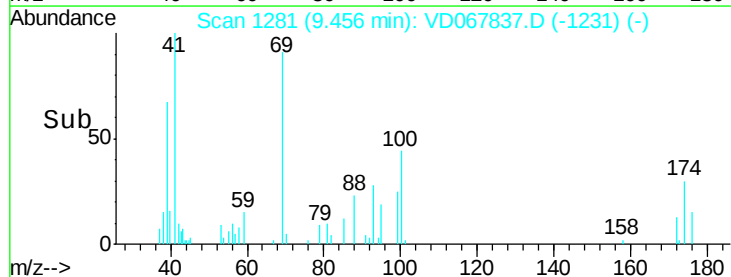
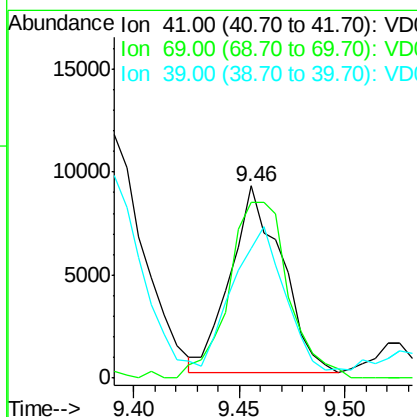
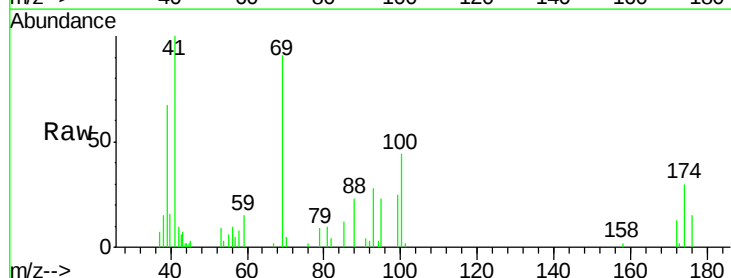
Manual Integrations
APPROVED

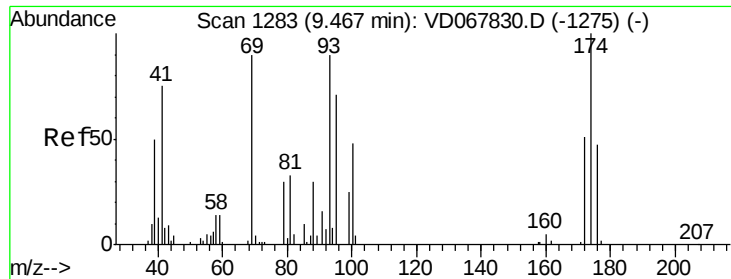
MMDadoda
12/3/2020 9:56:34 AM



#48
Methyl methacrylate
Concen: 18.588 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	15221		
69	109.7		87.6	131.4
39	78.3		61.2	91.8





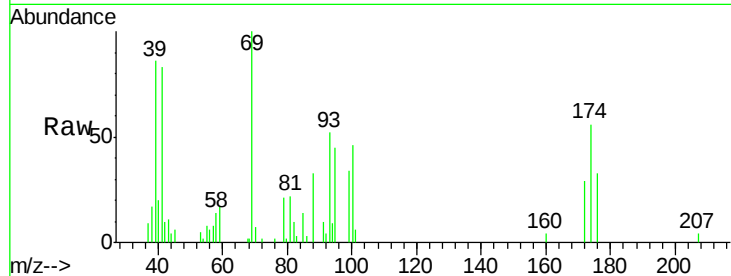
#49
1,4-Dioxane
Concen: 389.814 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	30.1	45.1
58	46.3	42.4	63.6

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MMDadoda
12/3/2020 9:56:34 AM

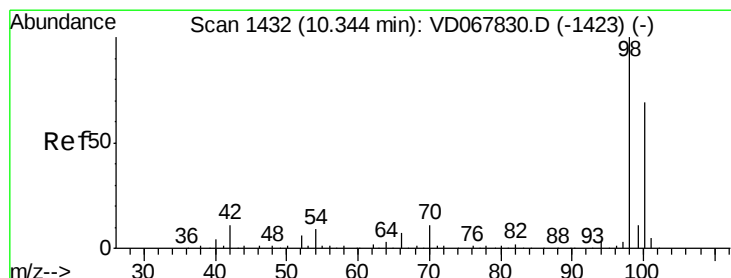
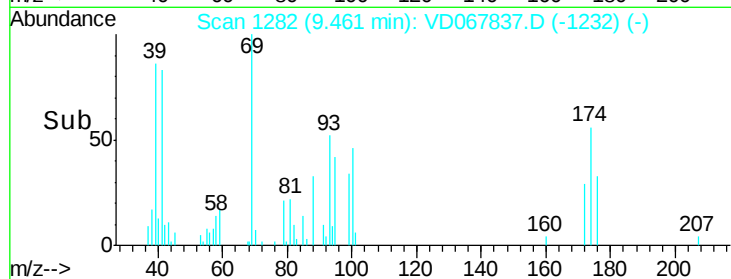
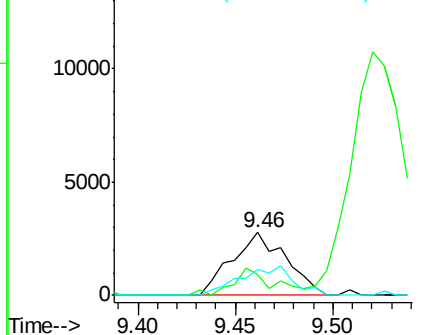


Abundance

Ion 88.00 (87.70 to 88.70): VDC

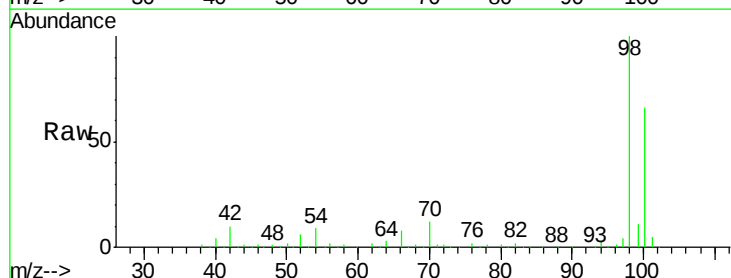
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 49.854 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

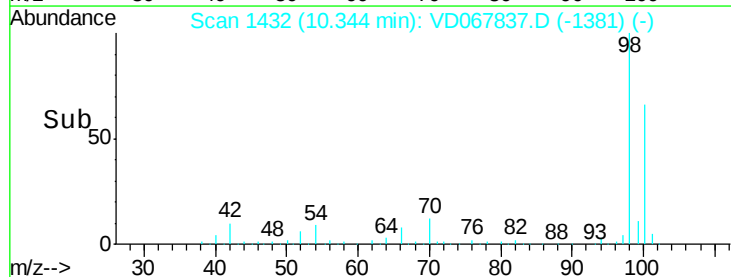
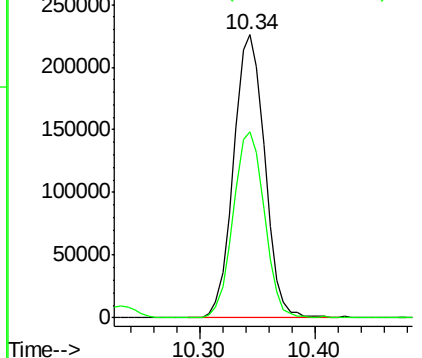
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3

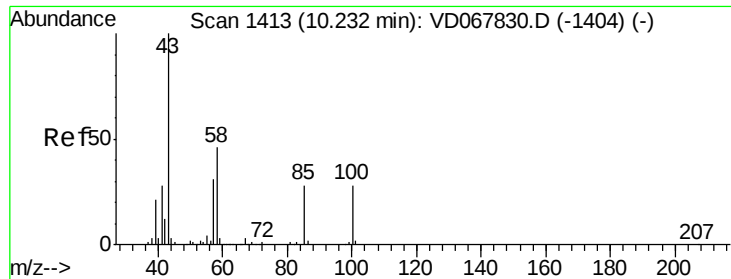


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 95.143 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 43 Resp: 72617

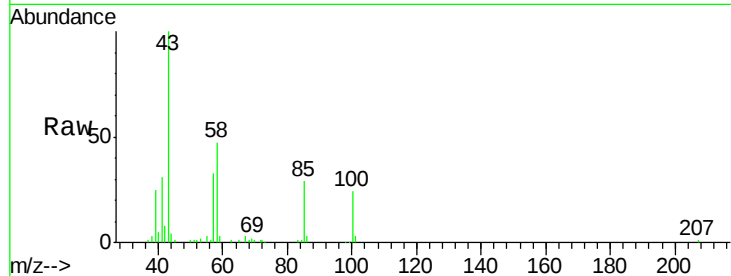
Ion Ratio Lower Upper

43 100

58 44.7 35.7 53.5

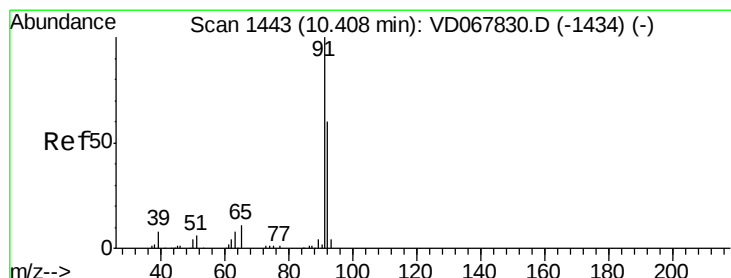
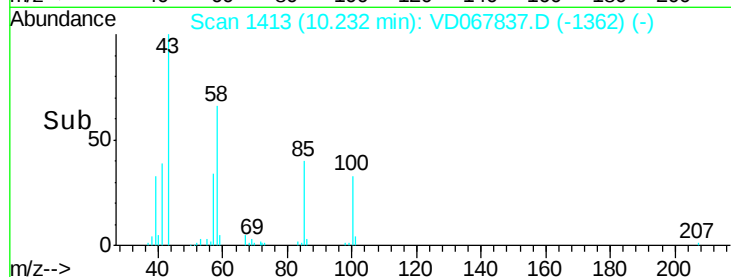
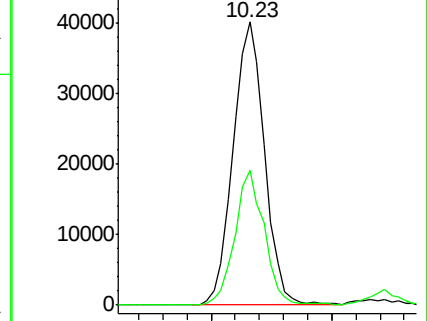
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12/3/2020 9:56:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.842 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067837.D

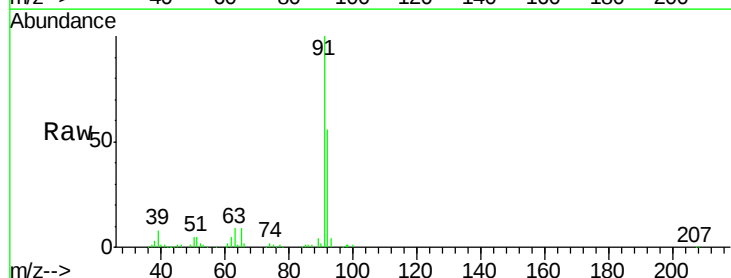
Acq: 02 Dec 2020 15:48

Tgt Ion: 92 Resp: 121249

Ion Ratio Lower Upper

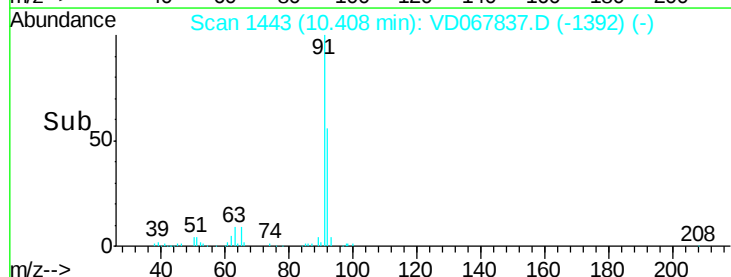
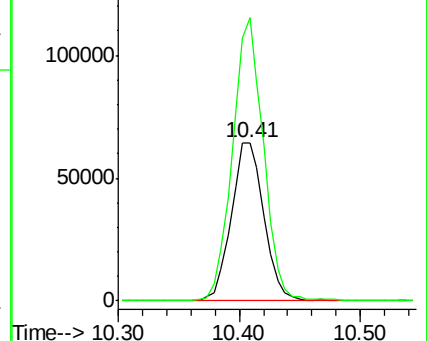
92 100

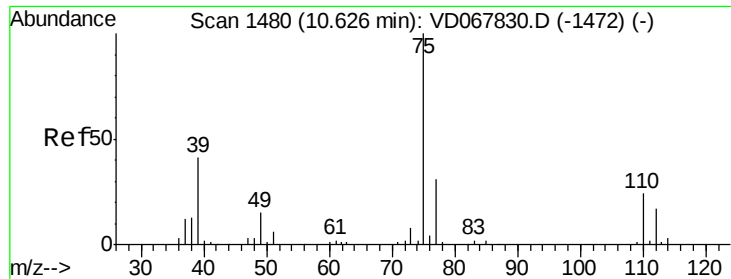
91 169.1 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





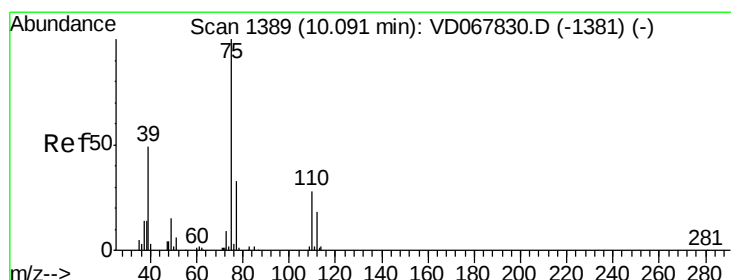
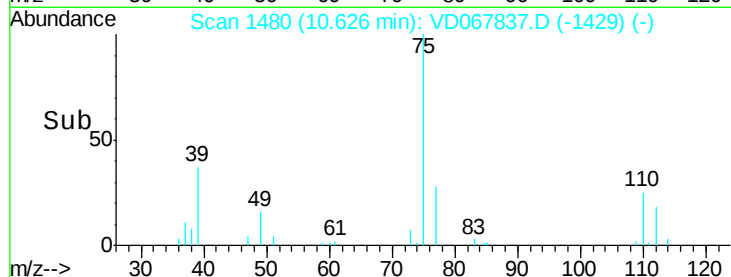
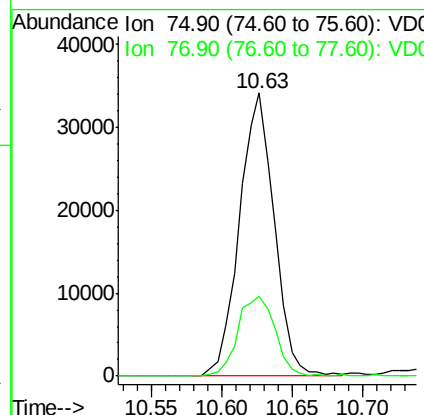
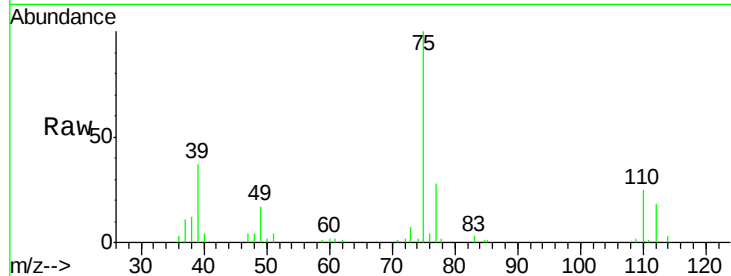
#53
t-1,3-Dichloropropene
Concen: 20.145 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	28.0	25.0	37.4	

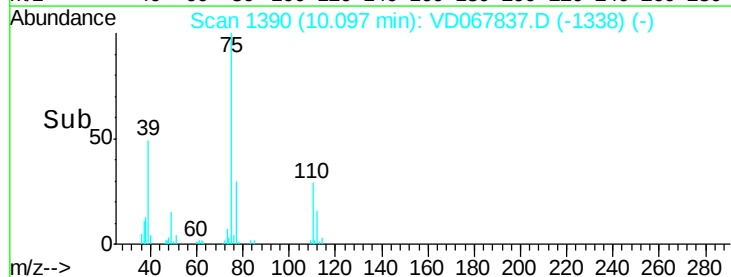
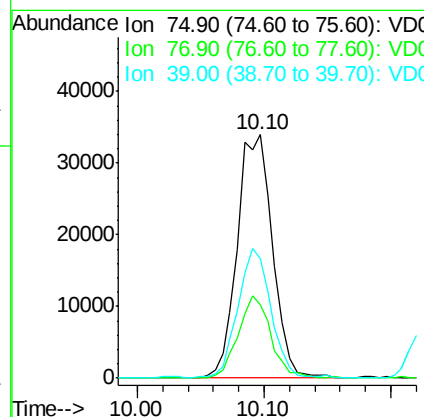
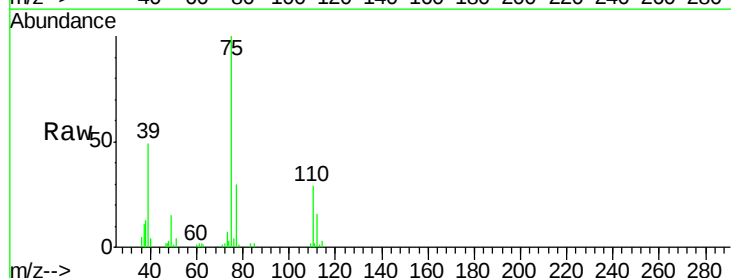
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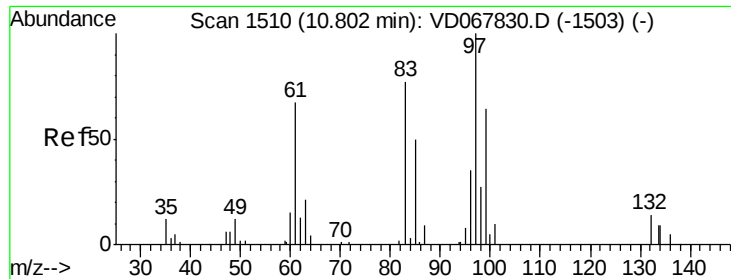
MMDadoda
12/3/2020 9:56:34 AM



#54
cis-1,3-Dichloropropene
Concen: 20.513 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	29.9	26.2	39.2	
39	49.0	39.0	58.4	





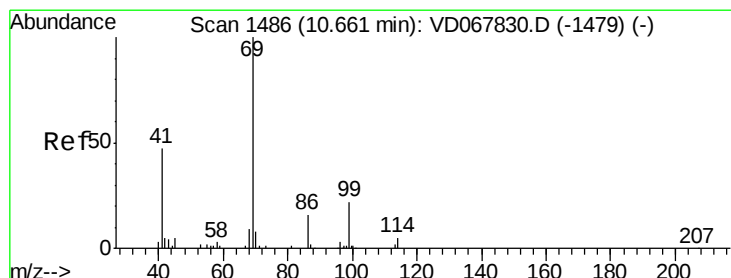
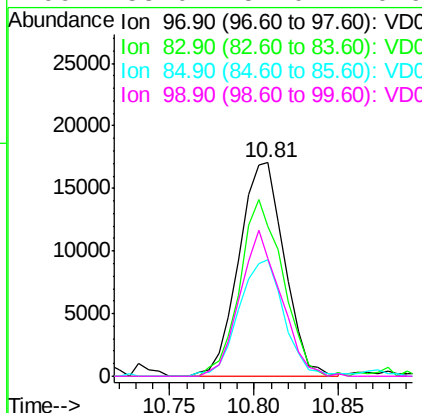
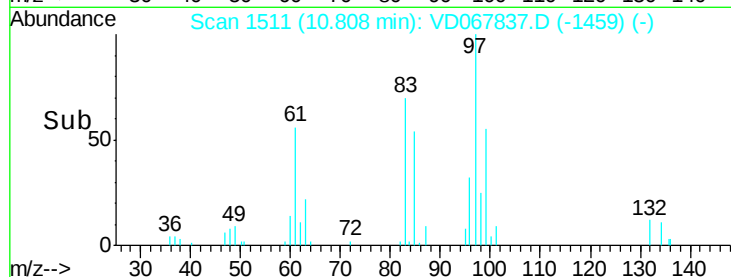
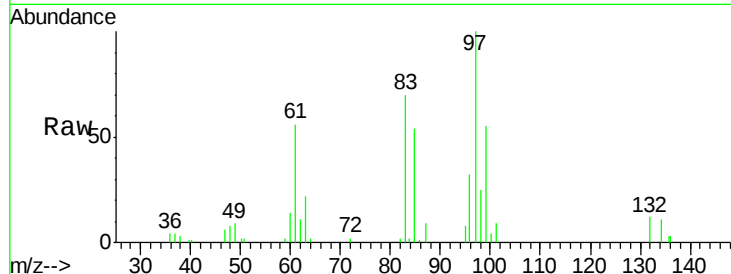
#55
 1,1,2-Trichloroethane
 Concen: 19.681 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	31981		
83	69.9	61.9	92.9	
85	54.3	40.2	60.4	
99	55.0	51.0	76.6	

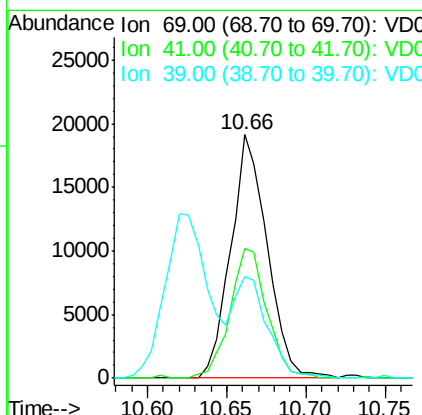
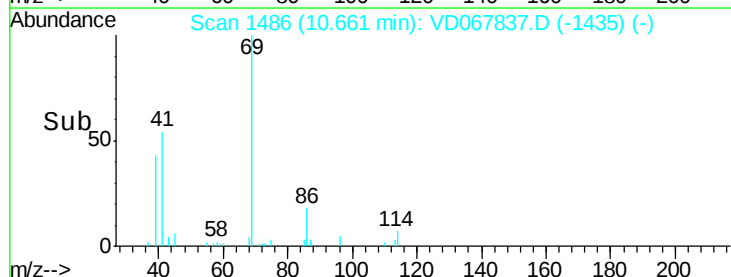
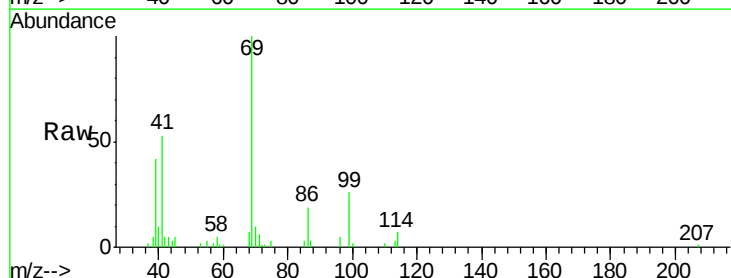
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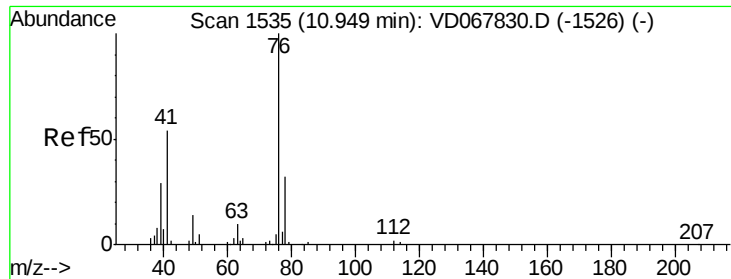
MMDadoda
 12/3/2020 9:56:34 AM



#56
 Ethyl methacrylate
 Concen: 18.461 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	30522		
41	54.2	42.8	64.2	
39	38.5	30.5	45.7	





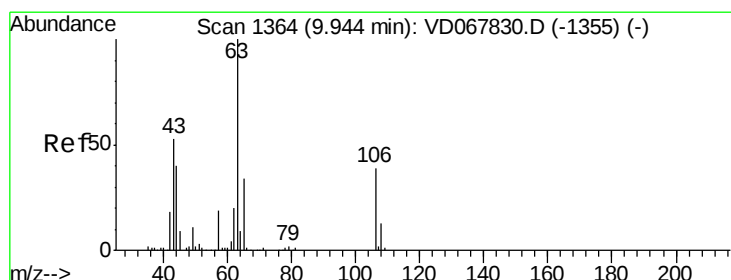
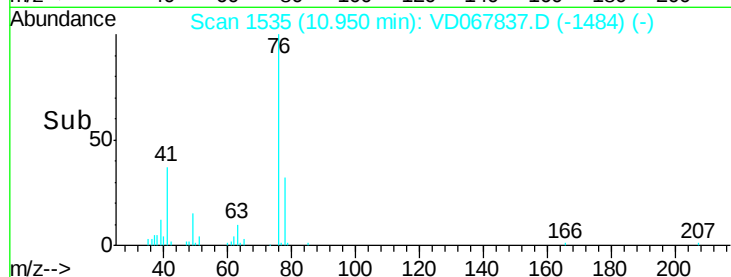
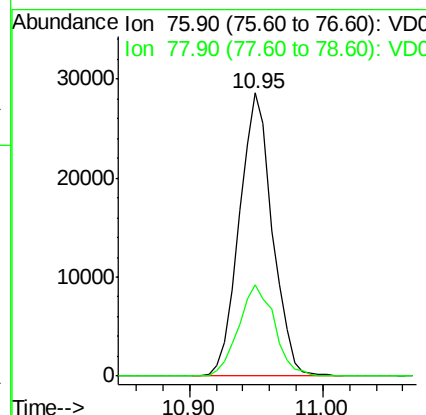
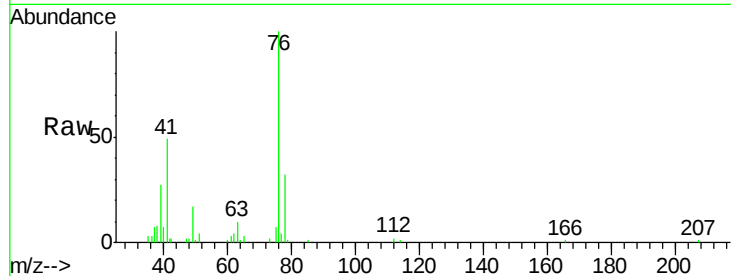
#57
 1,3-Dichloropropane
 Concen: 19.042 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion: 76 Resp: 49014
 Ion Ratio Lower Upper
 76 100
 78 34.7 26.6 39.8

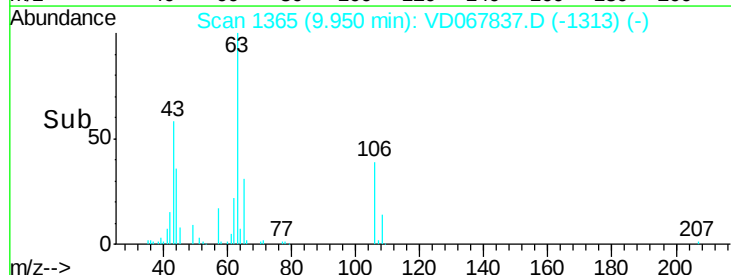
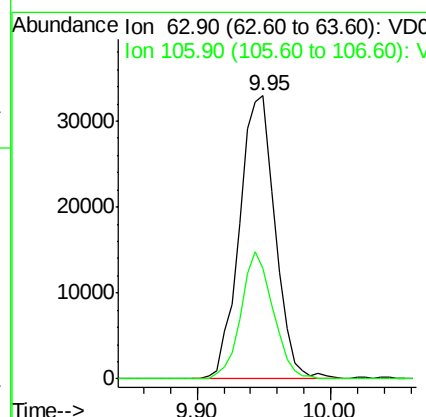
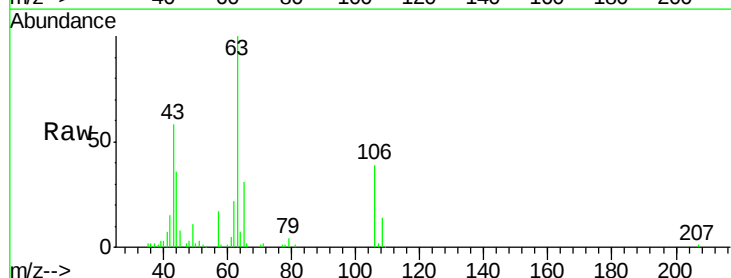
Manual Integrations
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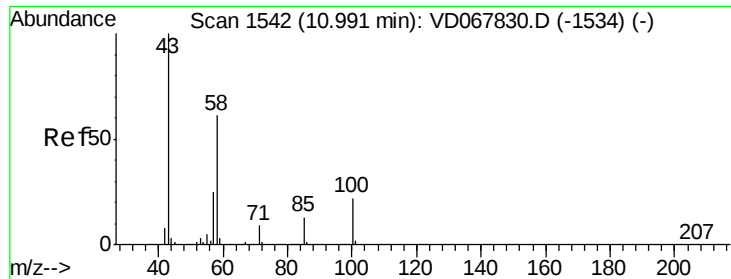
MMDadoda
 12/3/2020 9:56:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.001 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion: 63 Resp: 60939
 Ion Ratio Lower Upper
 63 100
 106 40.4 32.0 48.0





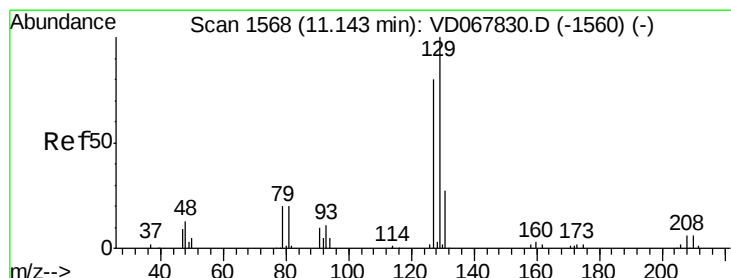
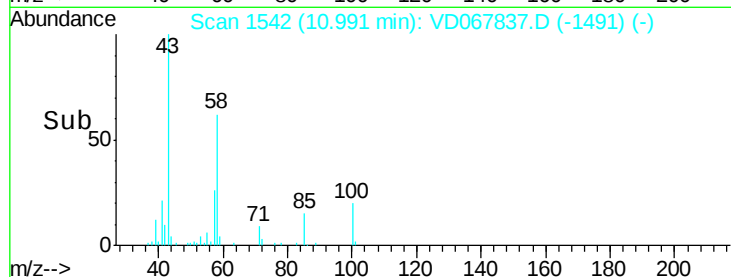
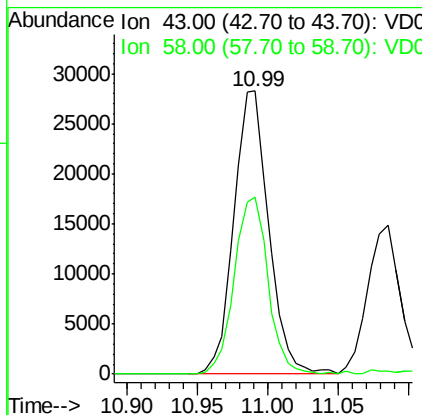
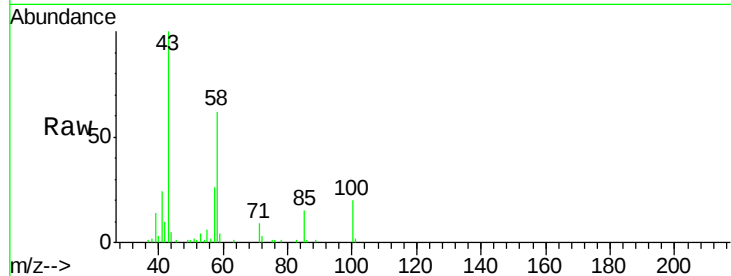
#59
2-Hexanone
Concen: 90.768 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion: 43 Resp: 48837
Ion Ratio Lower Upper
43 100
58 60.1 29.9 89.7

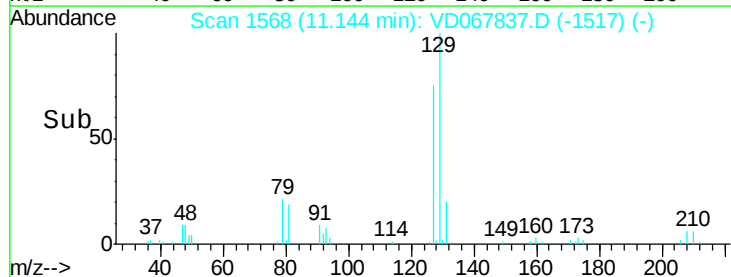
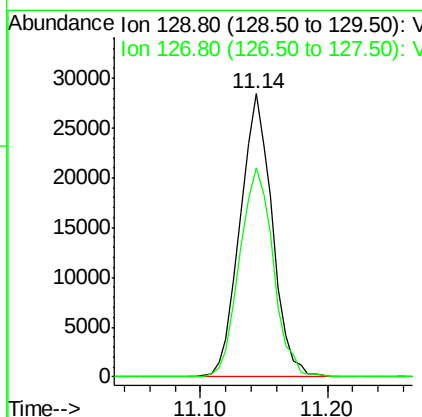
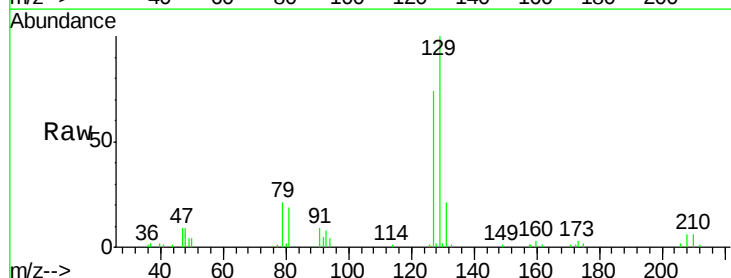
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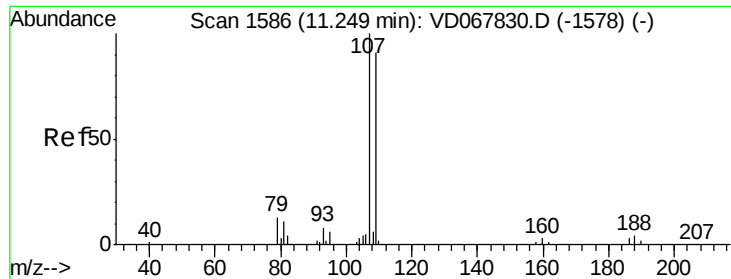
MMDadoda
12/3/2020 9:56:34 AM



#60
Dibromochloromethane
Concen: 20.417 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 129 Resp: 50013
Ion Ratio Lower Upper
129 100
127 77.2 39.2 117.6





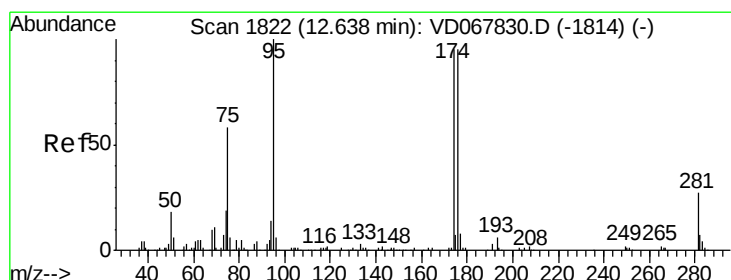
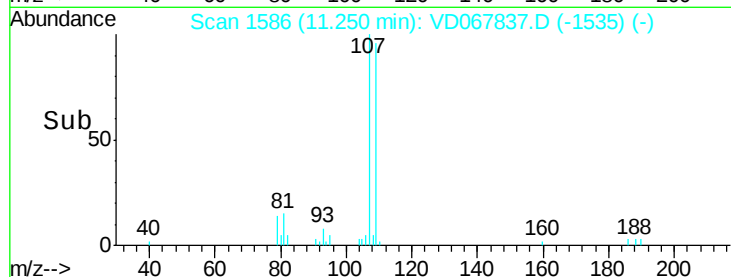
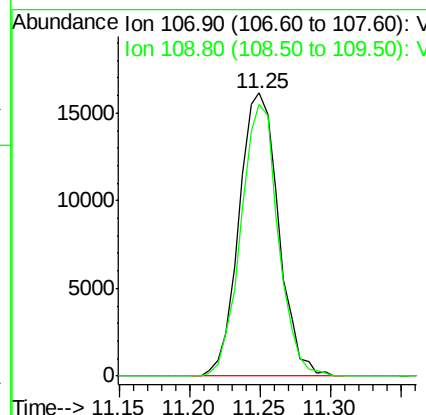
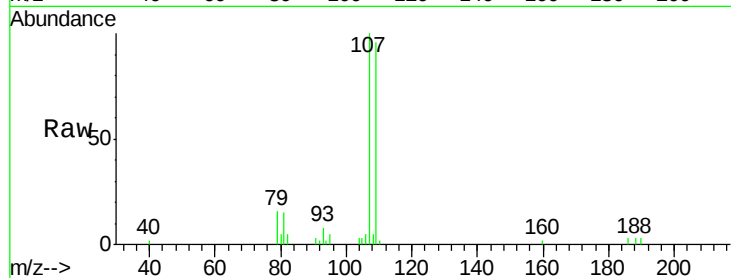
#61
 1,2-Dibromoethane
 Concen: 19.767 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	75.9	113.9

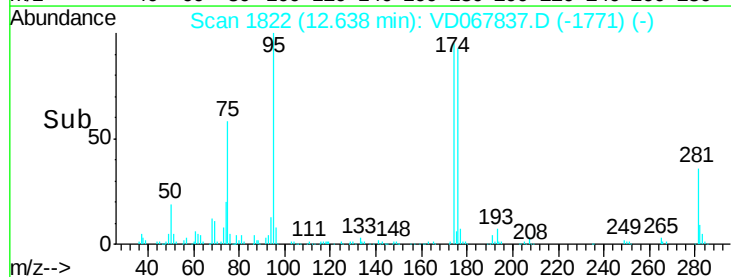
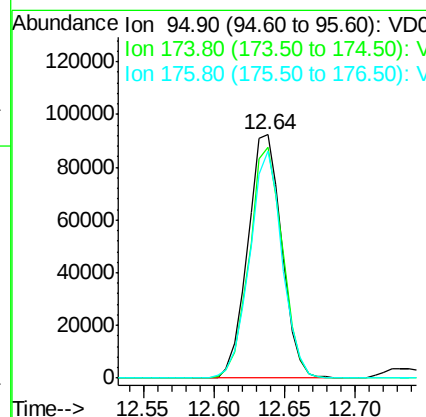
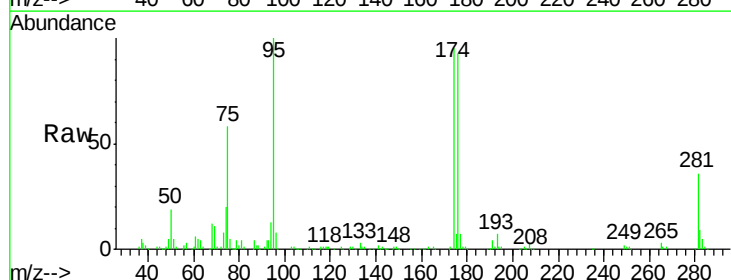
Manual Integrations
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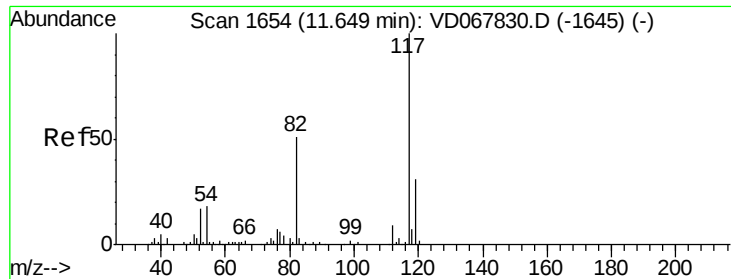
MMDadoda
 12/3/2020 9:56:34 AM



#62
 4-Bromofluorobenzene
 Concen: 53.381 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	186.0
176	89.4	0.0	184.2





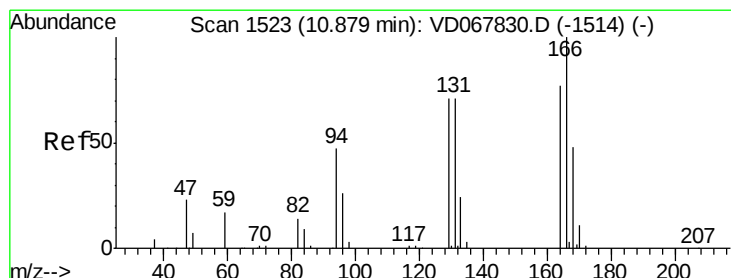
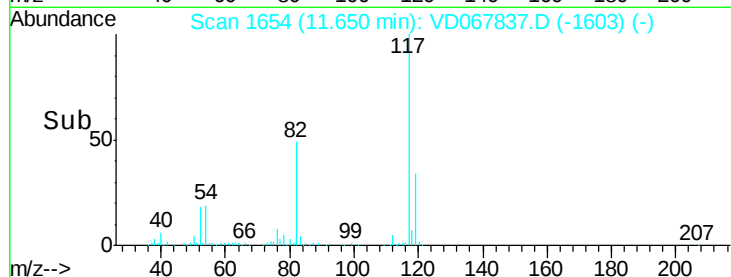
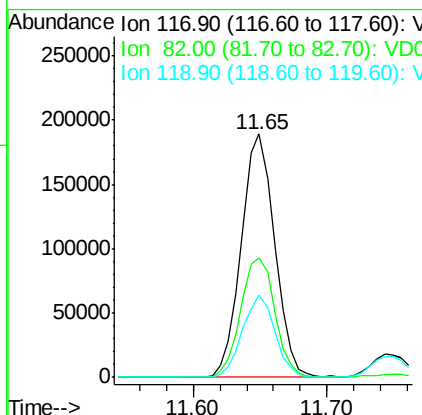
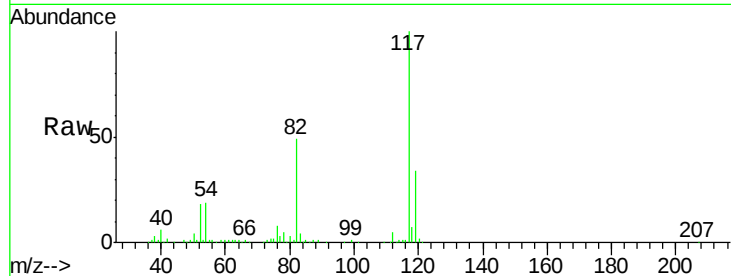
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	40.6	60.8
119	33.6	25.1	37.7

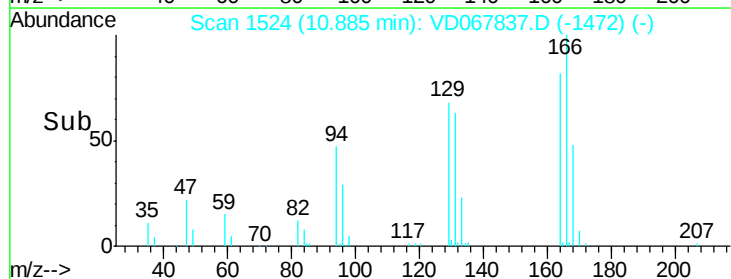
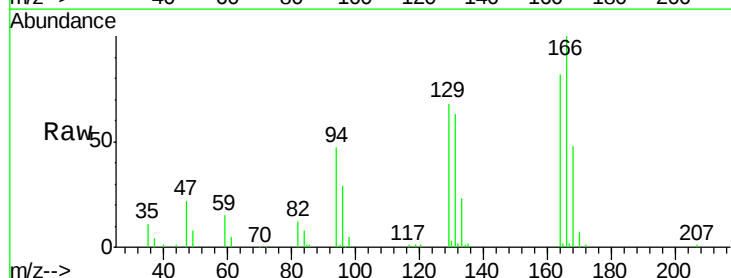
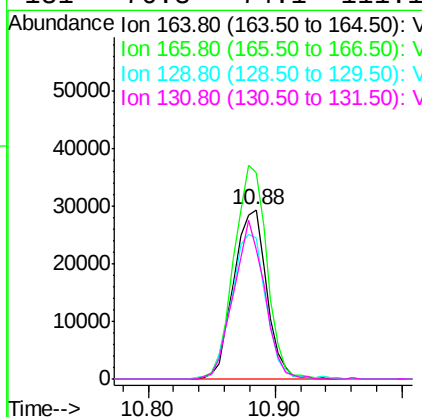
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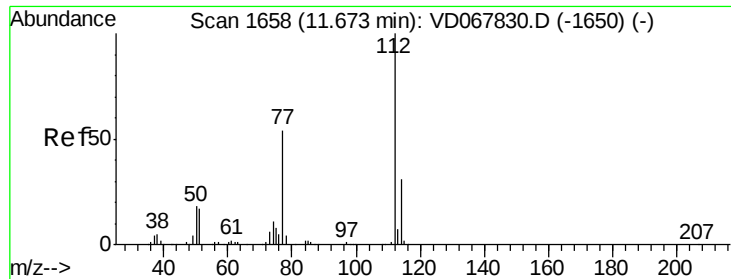
MMDadoda
12/3/2020 9:56:34 AM



#64
Tetrachloroethene
Concen: 19.787 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	103.8	155.6
129	83.0	73.3	109.9
131	76.3	74.1	111.1





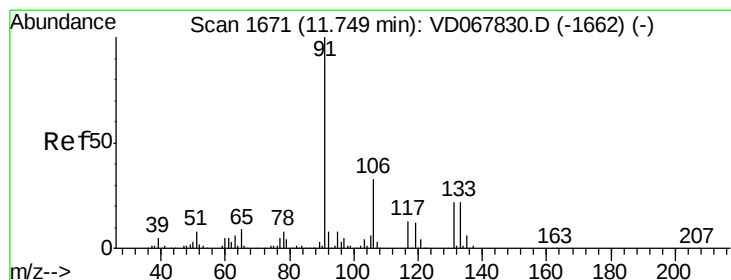
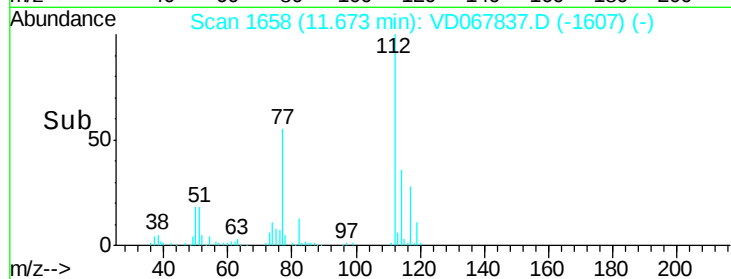
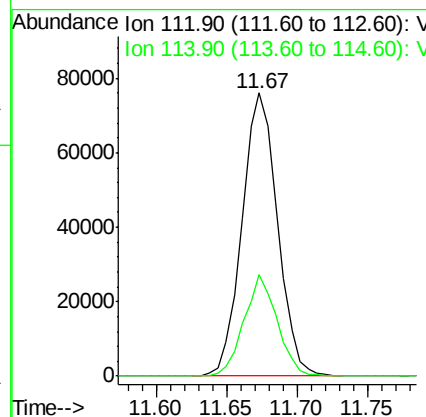
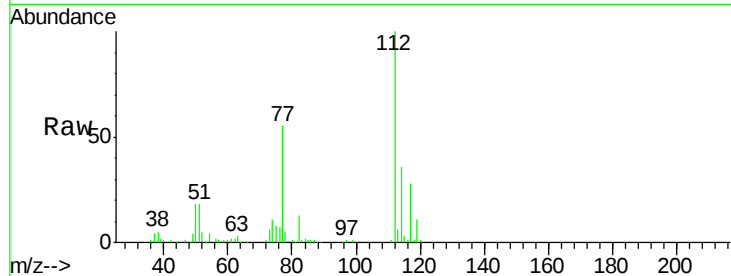
#65
Chlorobenzene
Concen: 19.773 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.1	25.0	37.4

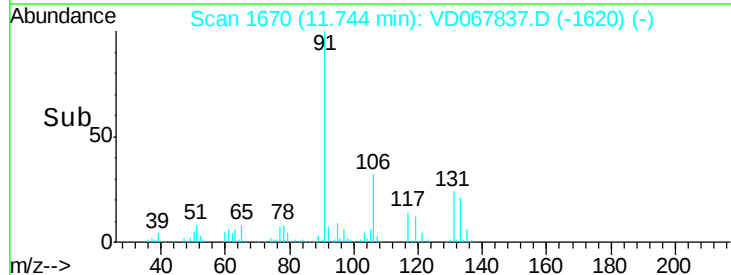
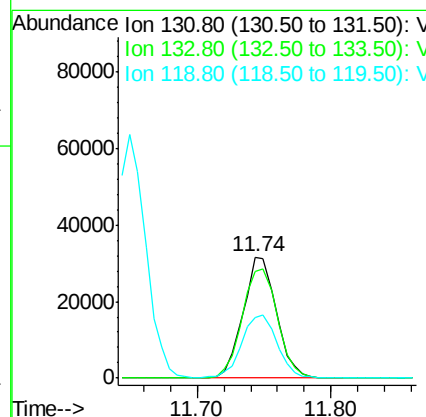
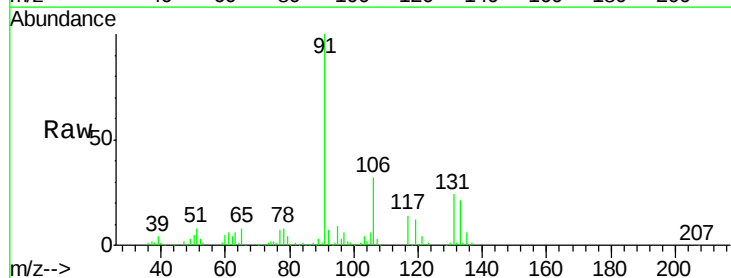
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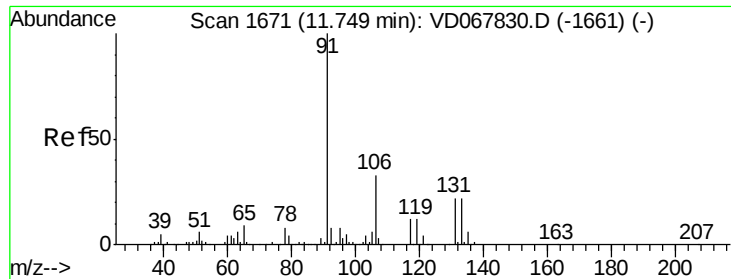
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.856 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	49.9	149.7
119	55.5	29.6	88.9





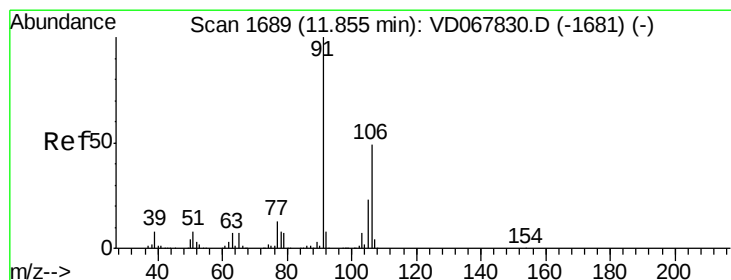
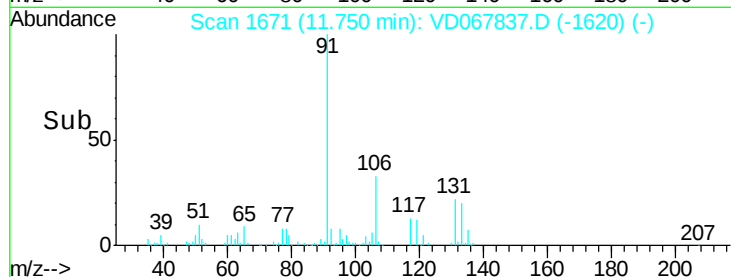
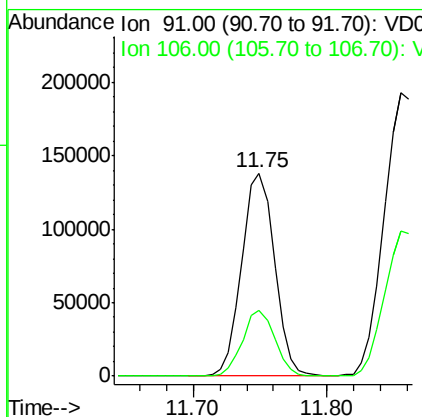
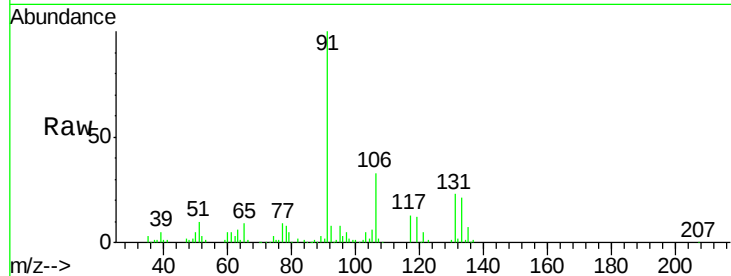
#67
Ethyl Benzene
Concen: 20.503 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		236311		
106	32.7	26.2	39.2		

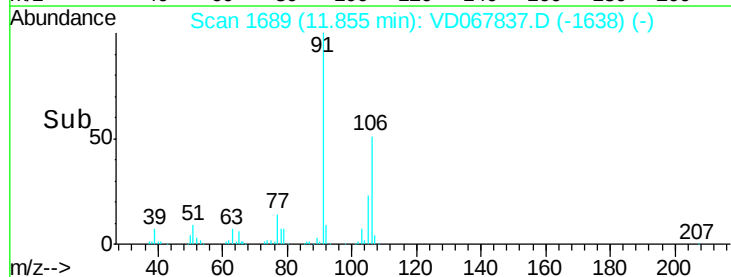
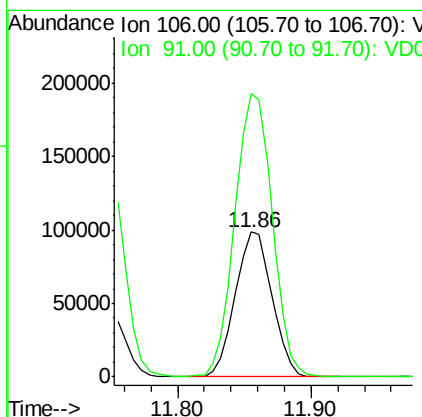
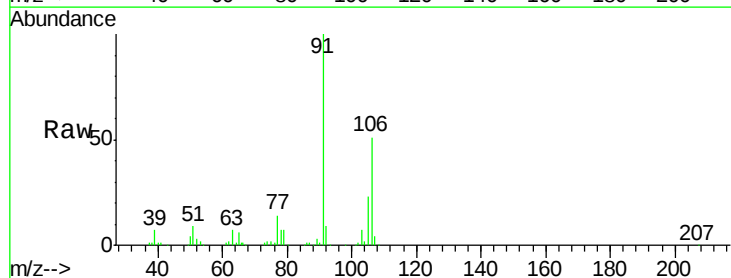
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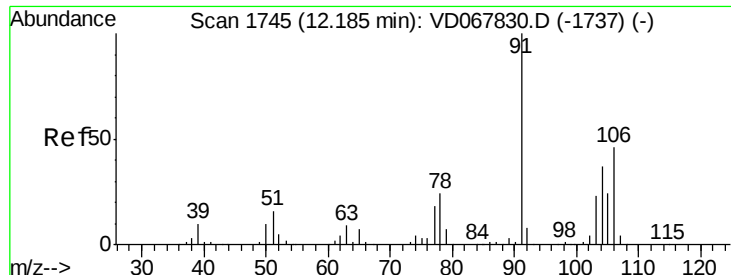
MMDadoda
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#68
m/p-Xylenes
Concen: 41.351 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		187926		
91	199.6	162.8	244.2		





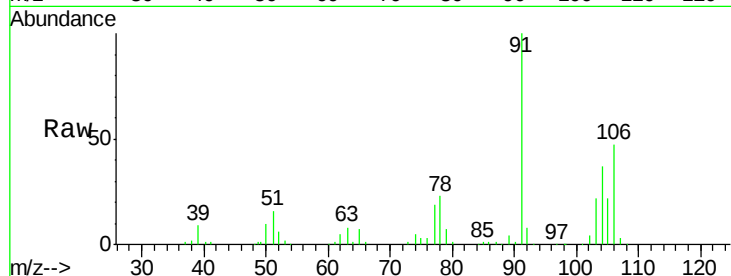
#69
o-Xylene
Concen: 21.017 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

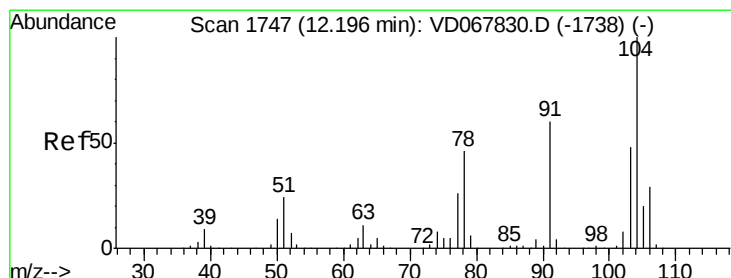
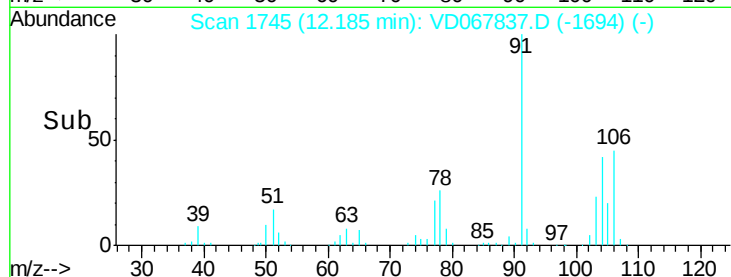
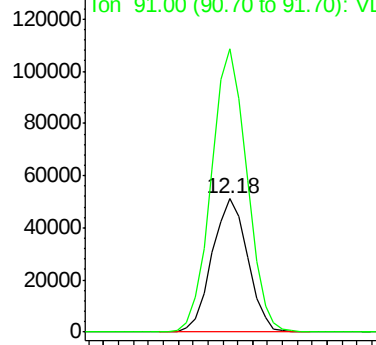
Tot Ion:106 Resp: 84796
Ion Ratio Lower Upper
106 100
91 211.7 107.5 322.5

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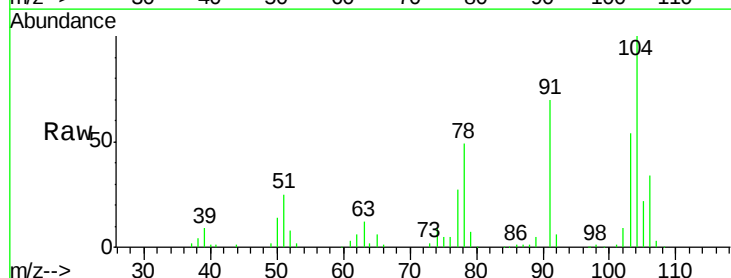


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

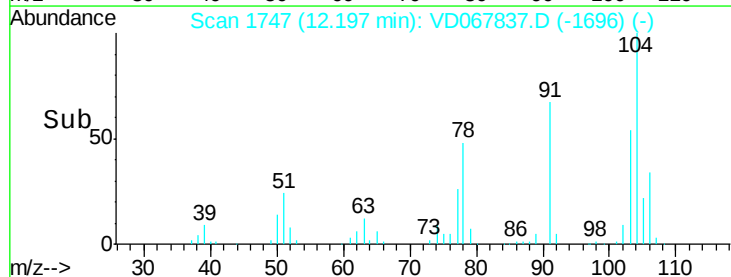
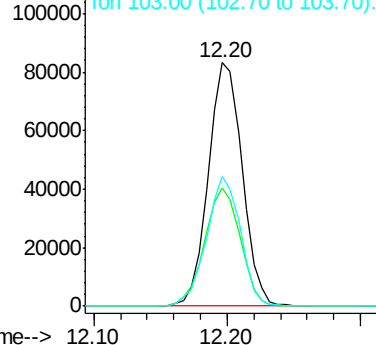


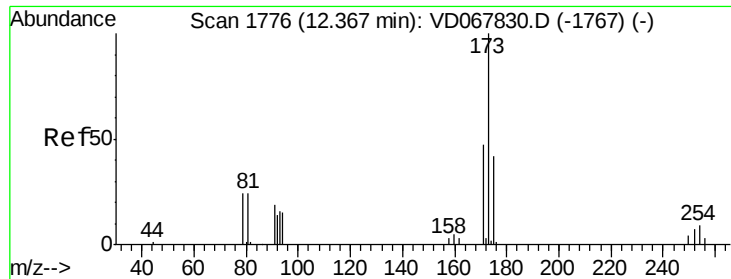
#70
Styrene
Concen: 20.823 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion:104 Resp: 146086
Ion Ratio Lower Upper
104 100
78 51.1 41.6 62.4
103 53.8 43.2 64.8



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





#71

Bromoform

Concen: 19.843 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

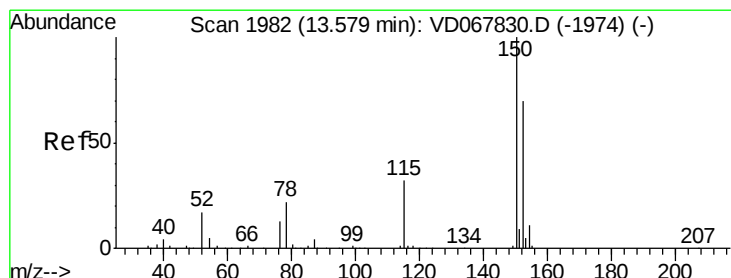
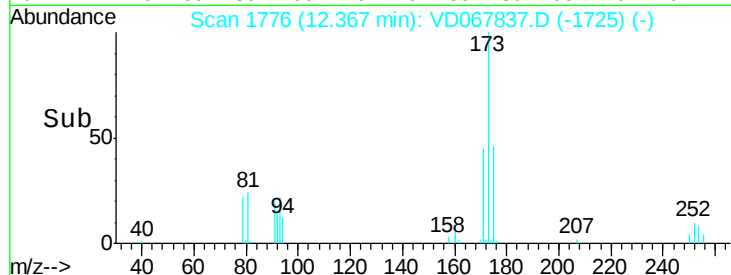
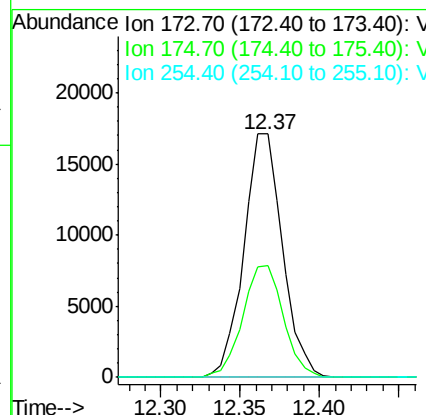
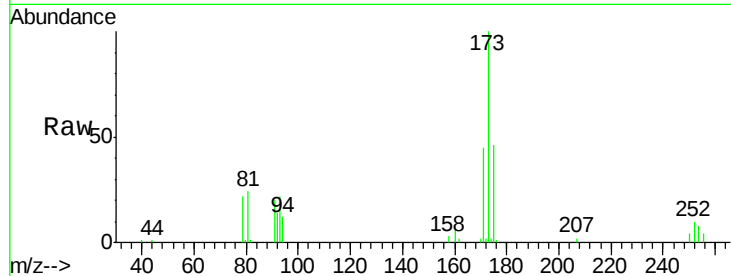
ClientSampleId :

VD1202SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.4	70.3
254	0.0	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

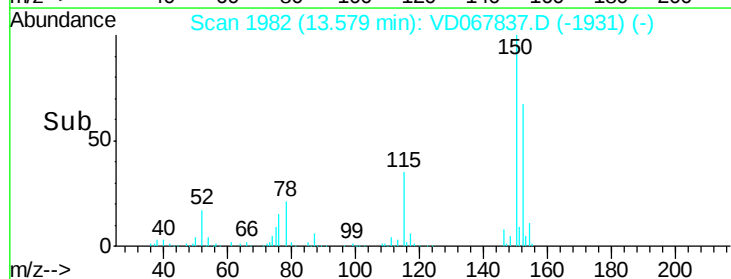
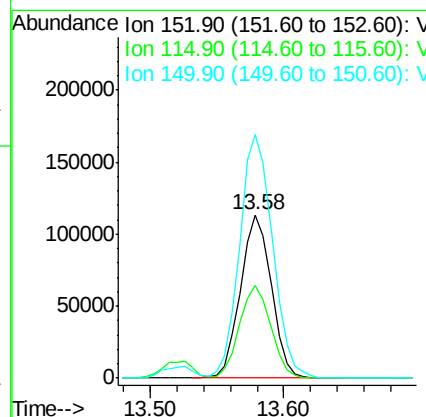
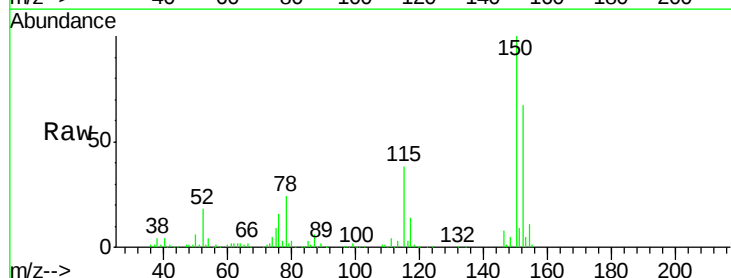
RT: 13.58 min Scan# 1982

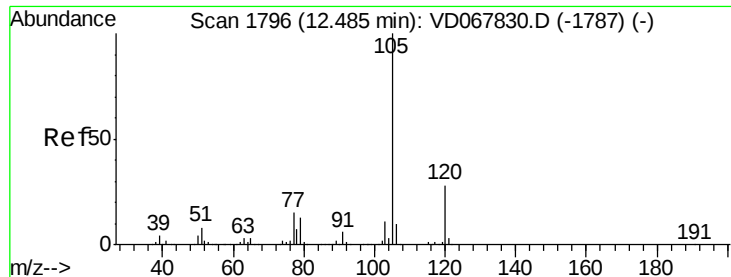
Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.1	87.4
150	159.6	0.0	339.0





#73

Isopropylbenzene

Concen: 19.397 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 105 Resp: 242017

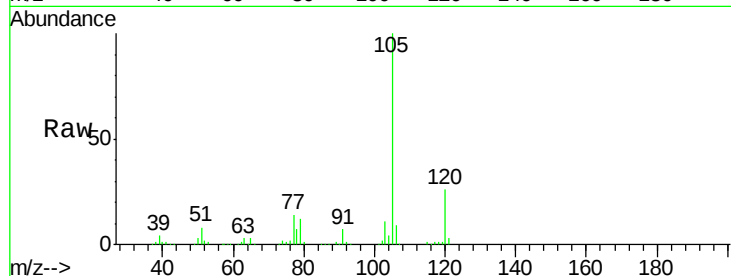
Ion Ratio Lower Upper

105 100

120 27.0 13.9 41.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

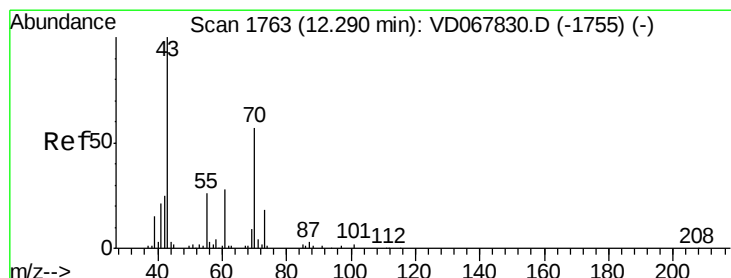
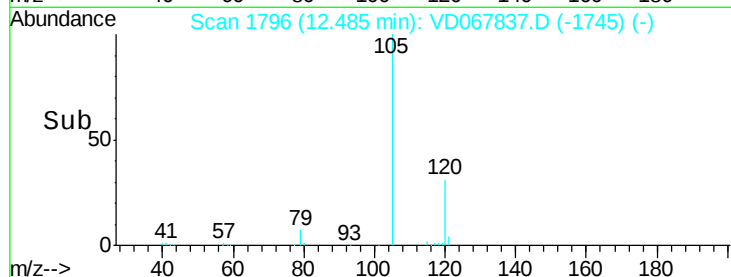
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.786 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion: 43 Resp: 27451

Ion Ratio Lower Upper

43 100

70 56.0 44.6 66.8

55 30.7 22.2 33.2

61 28.3 22.7 34.1

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

25000

20000

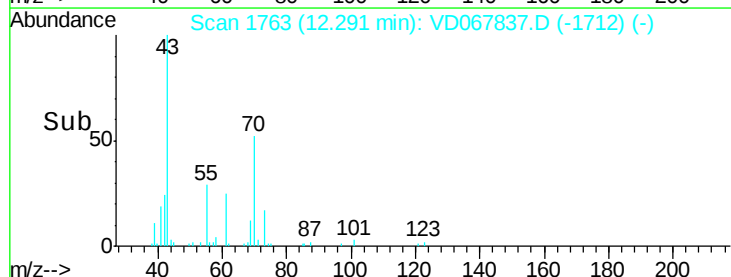
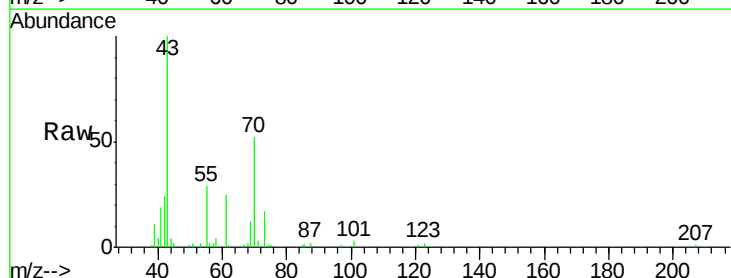
15000

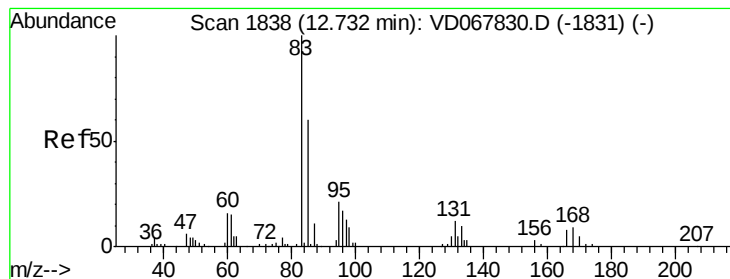
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.065 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

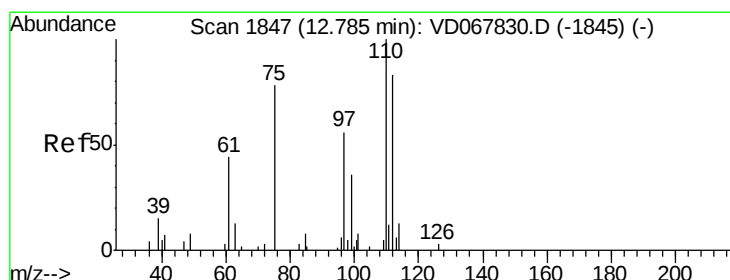
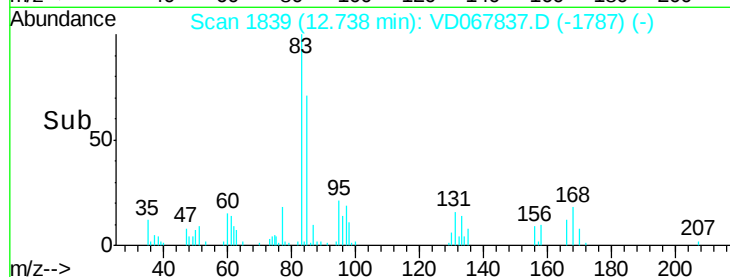
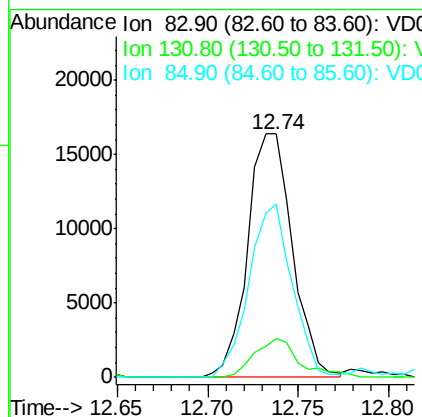
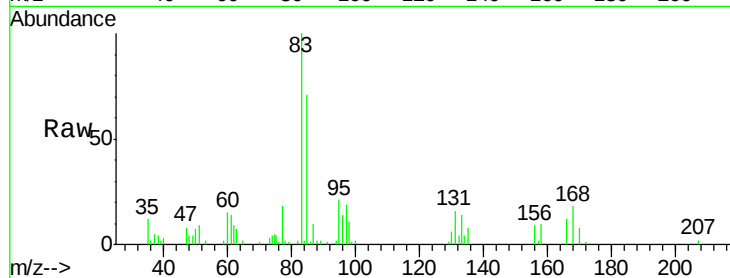
ClientSampleId :

VD1202SBS01

Tot Ion:	83	Resp:	28111
Ion Ratio	Lower	Upper	
83	100		
131	16.2	8.0	24.0
85	69.0	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 17.175 ug/l m

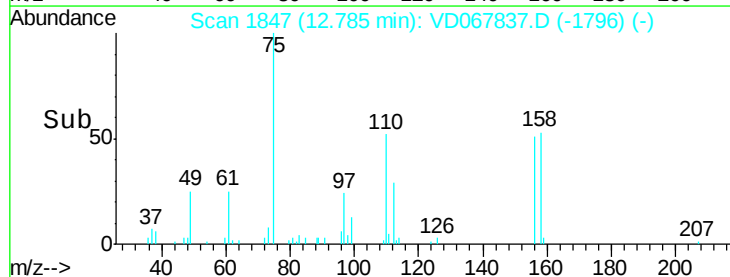
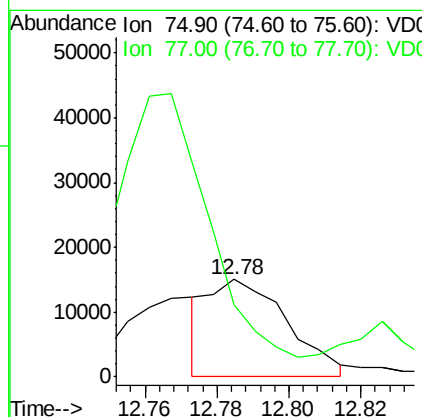
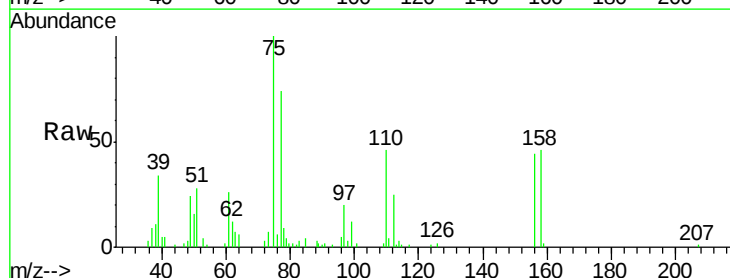
RT: 12.78 min Scan# 1847

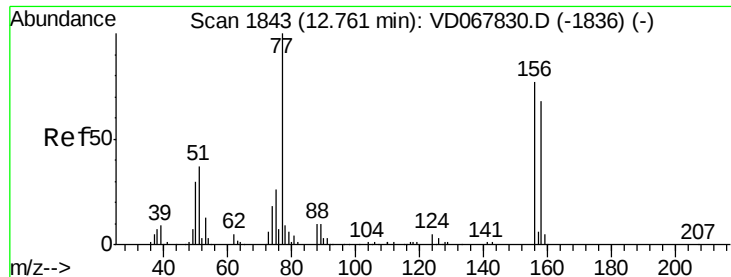
Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion:	75	Resp:	22692
Ion Ratio	Lower	Upper	
75	100		
77	365.8	175.9	527.7





#77

Bromobenzene

Concen: 18.534 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

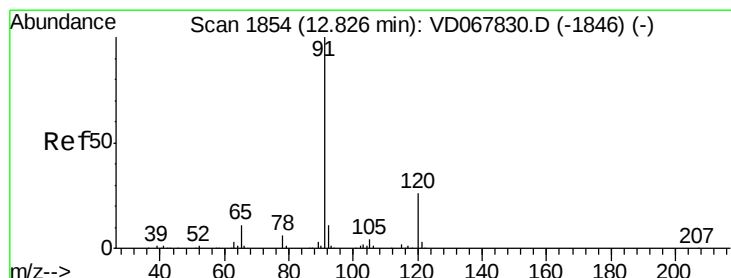
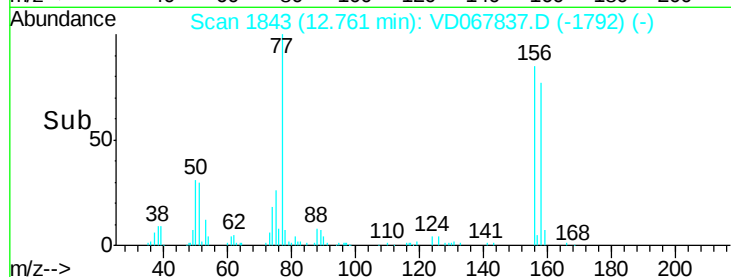
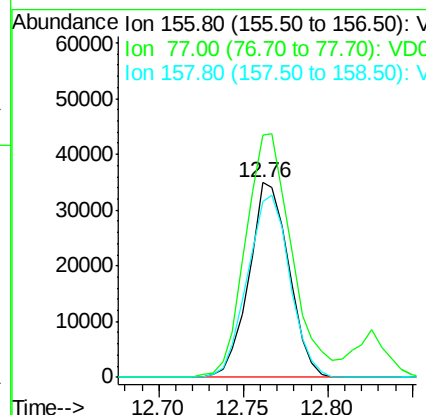
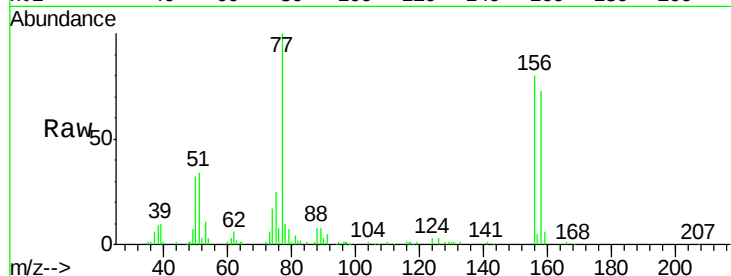
ClientSampleId :

VD1202SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.4	71.5	214.5
158	99.4	47.1	141.4

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#78

n-propylbenzene

Concen: 19.081 ug/l

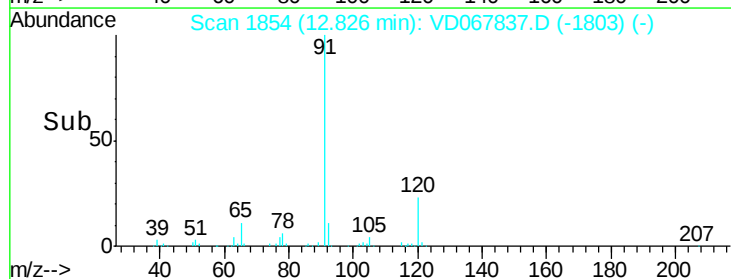
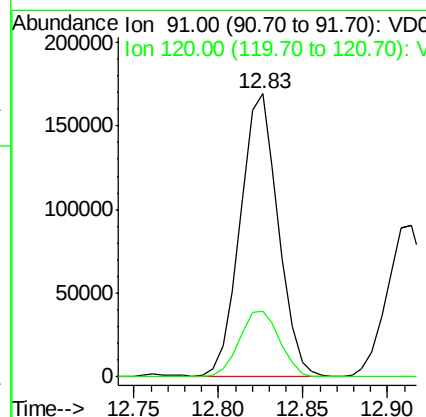
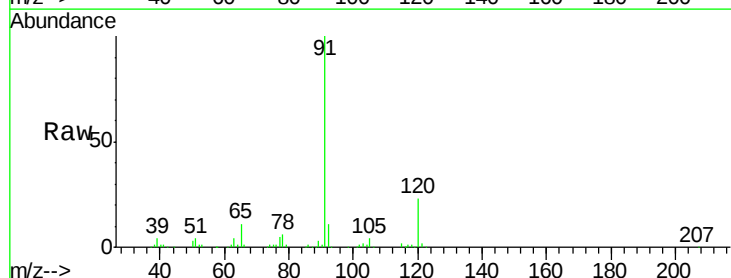
RT: 12.83 min Scan# 1854

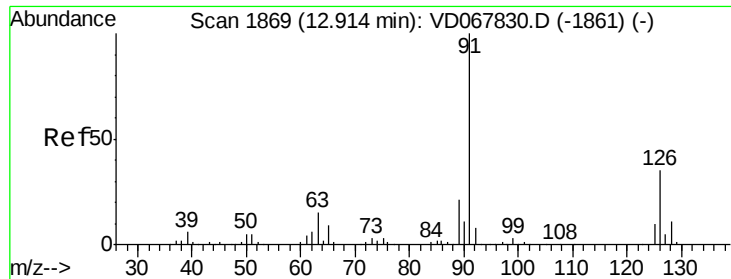
Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.7	38.0





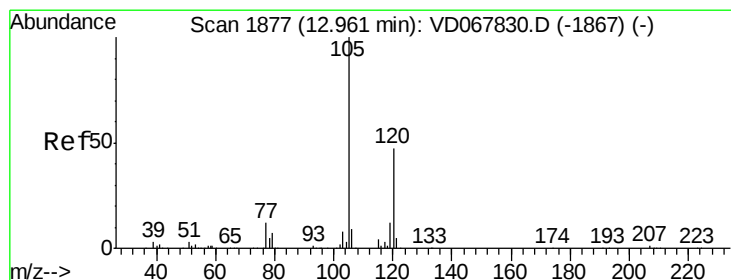
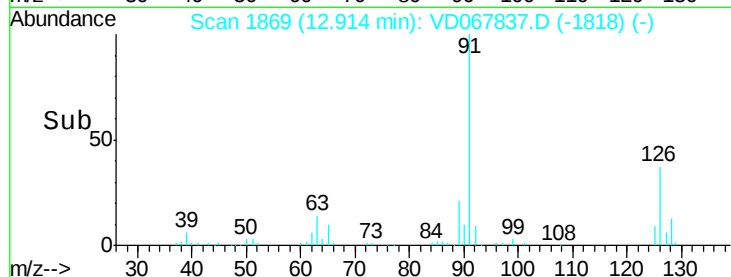
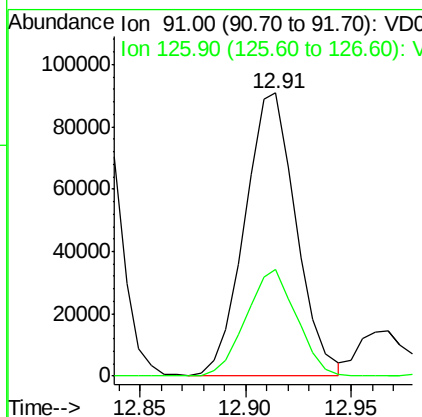
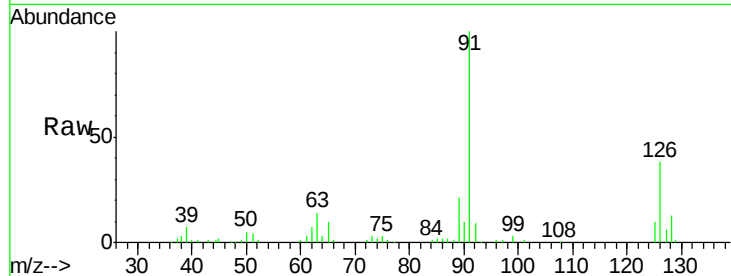
#79
 2-Chlorotoluene
 Concen: 18.824 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion: 91 Resp: 153144
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.9 53.7

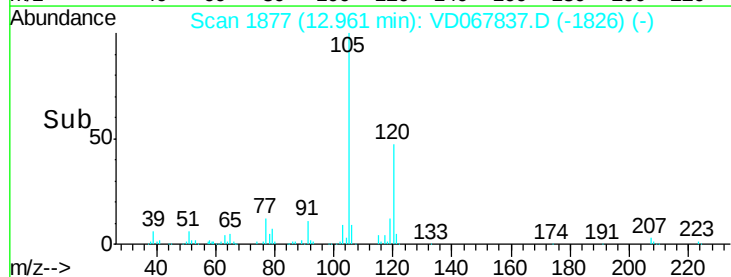
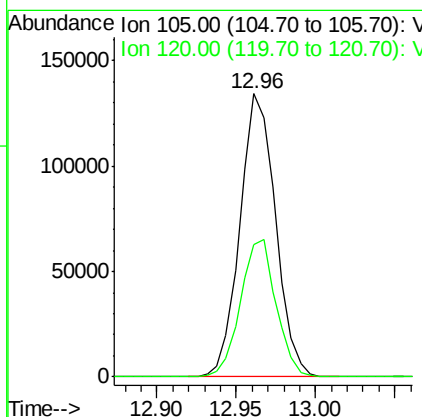
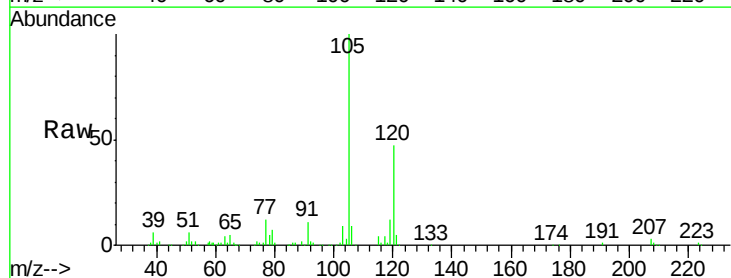
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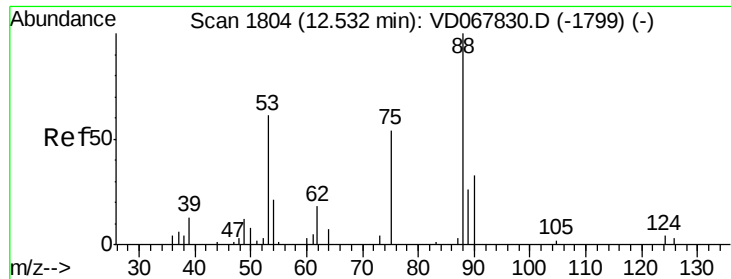
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.424 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion: 105 Resp: 209832
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9





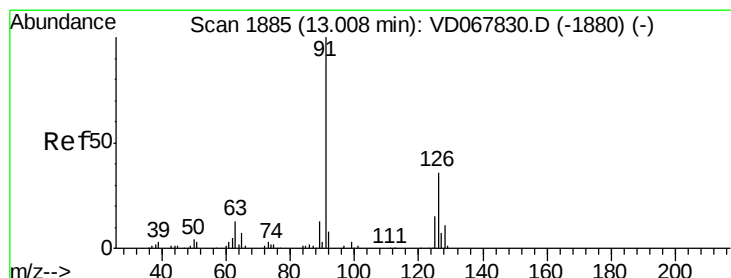
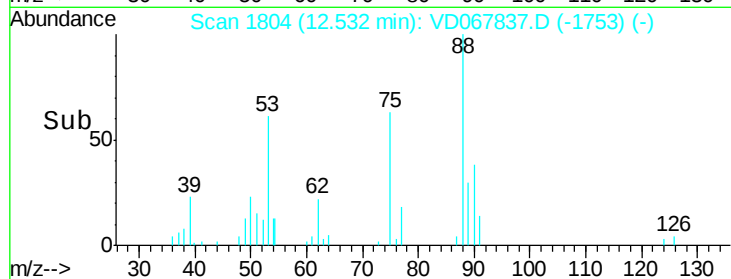
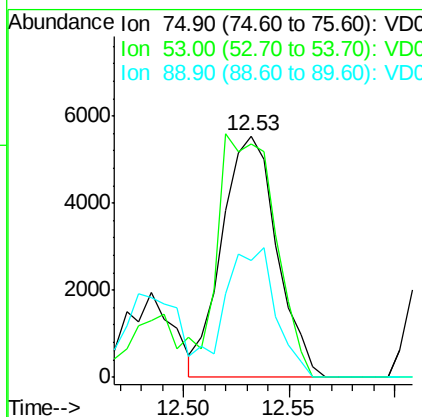
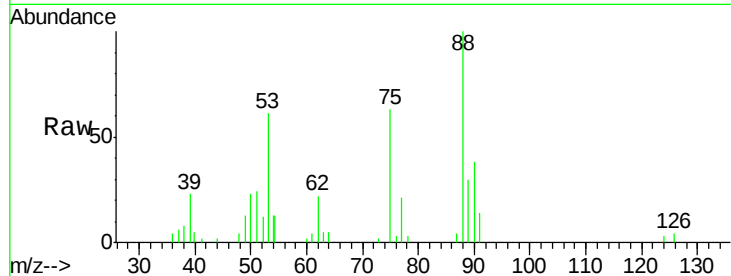
#81
trans-1,4-Dichloro-2-butene
Concen: 18.058 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.4	84.6	127.0
89	45.7	41.0	61.6

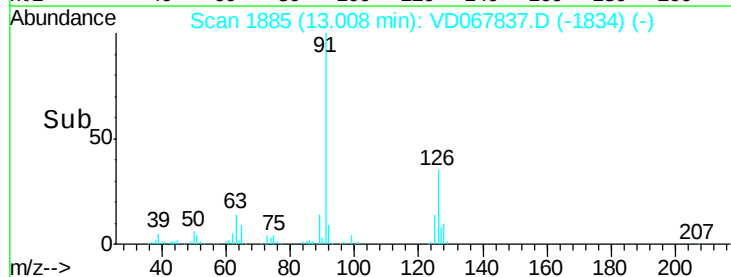
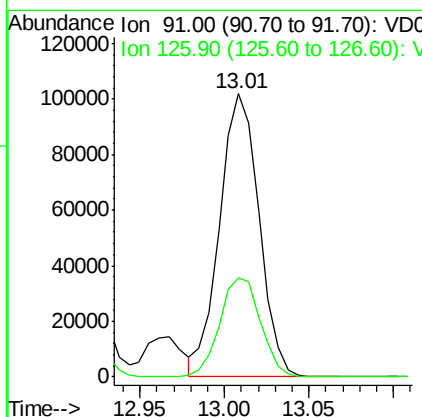
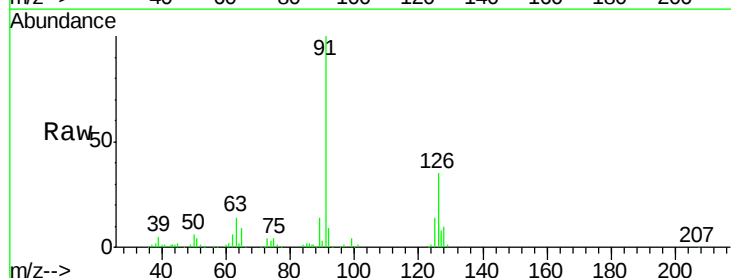
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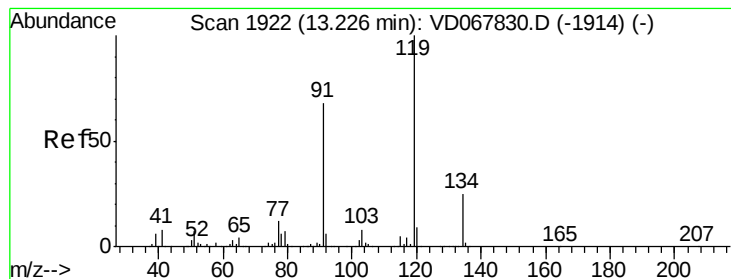
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#82
4-Chlorotoluene
Concen: 19.059 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.1	54.4





#83

tert-Butylbenzene

Concen: 19.558 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

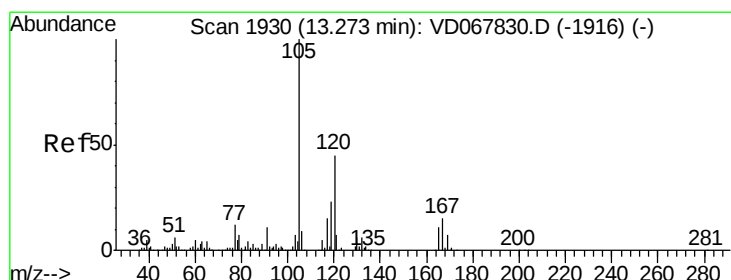
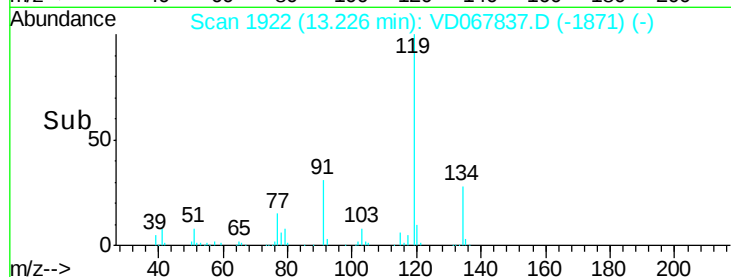
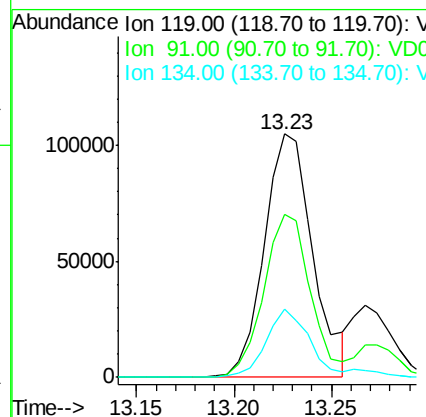
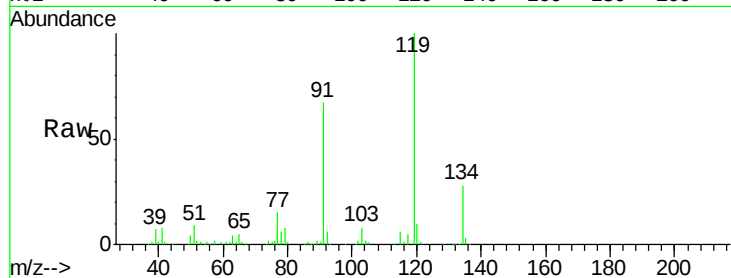
ClientSampled :

VD1202SBS01

Tot Ion:	119	Resp:	179796
Ion Ratio	Lower	Upper	
119	100		
91	64.6	33.1	99.3
134	24.8	13.6	40.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.467 ug/l

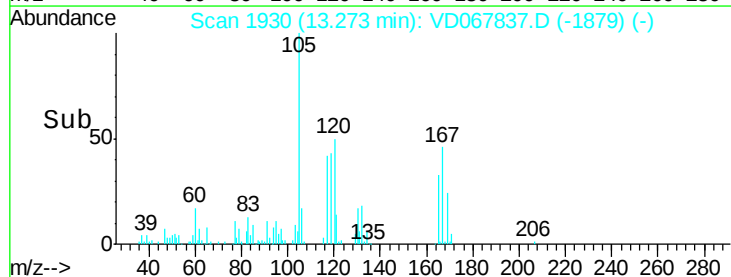
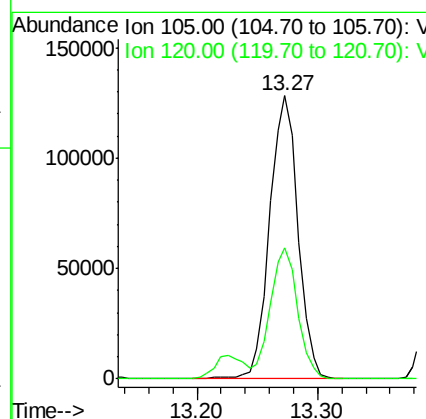
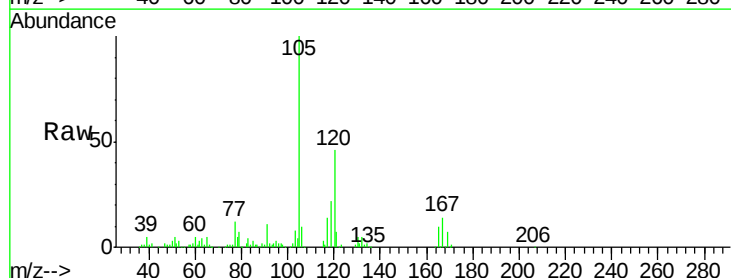
RT: 13.27 min Scan# 1930

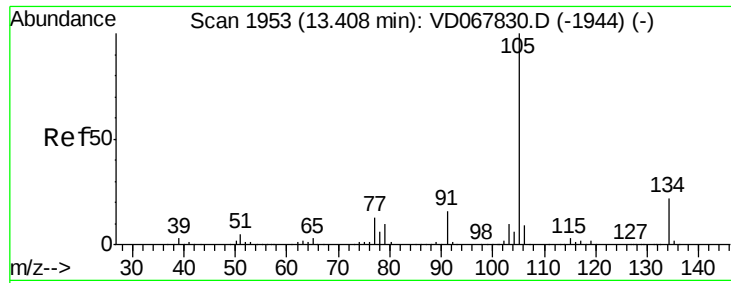
Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion:	105	Resp:	209118
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.1	66.5





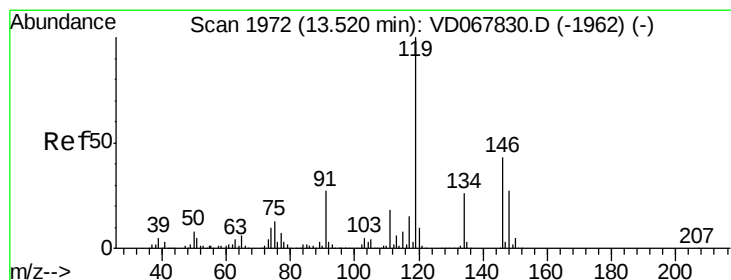
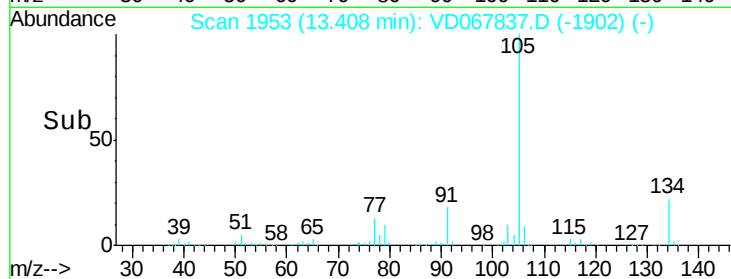
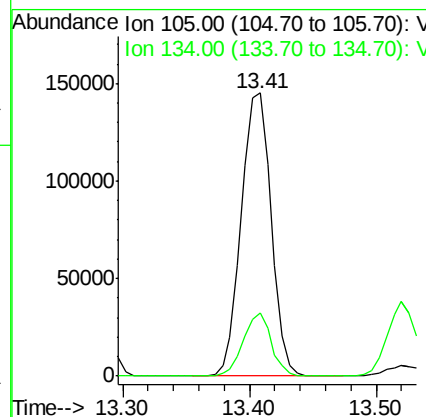
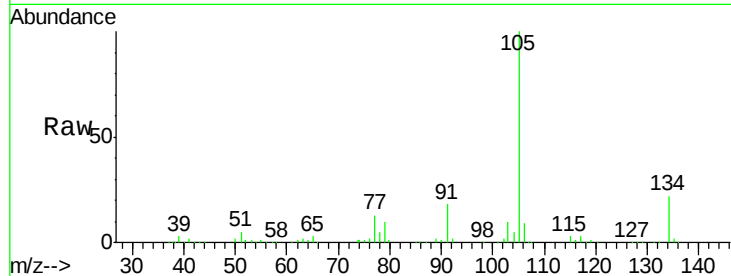
#85
 sec-Butylbenzene
 Concen: 19.334 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.9	32.9

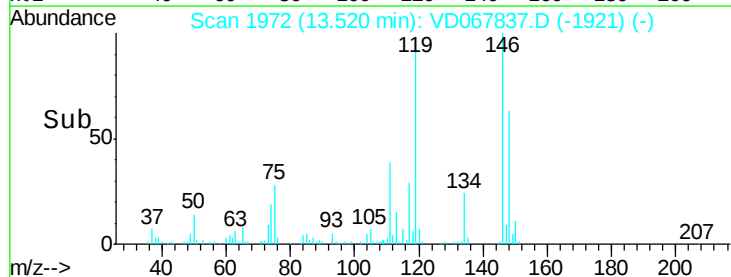
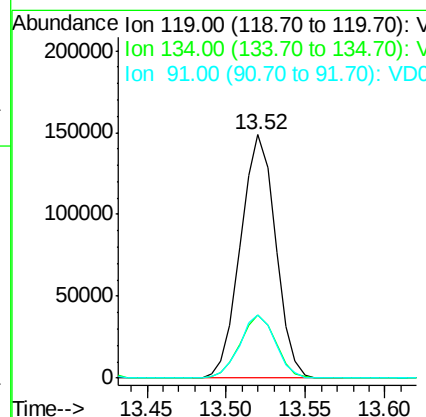
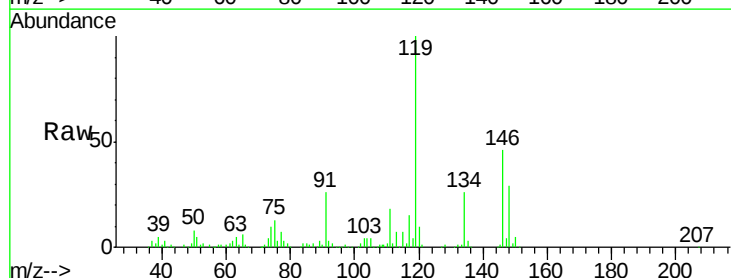
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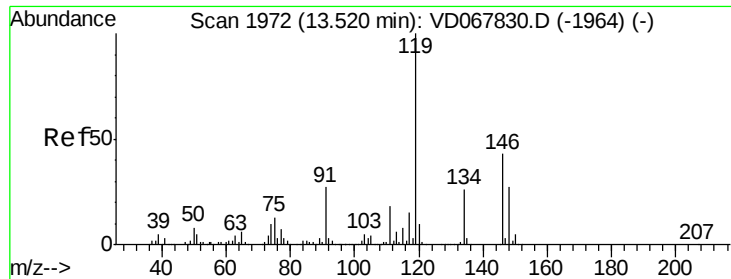
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#86
 p-Isopropyltoluene
 Concen: 19.046 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	26.2	12.8	38.3





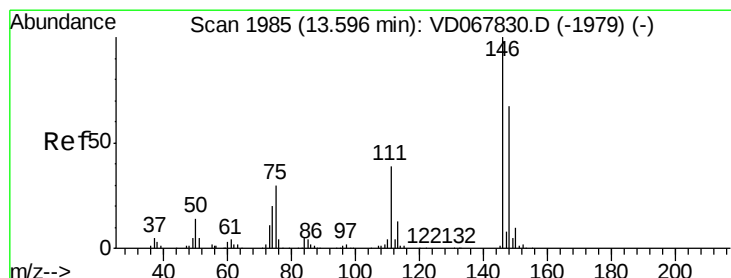
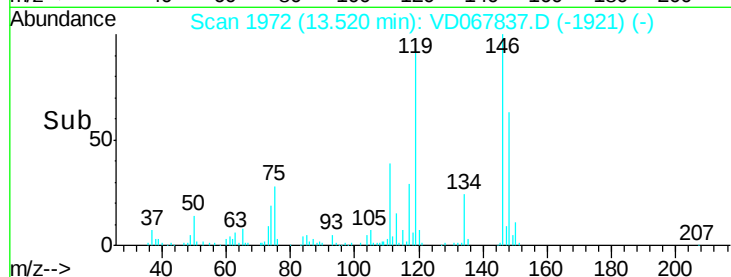
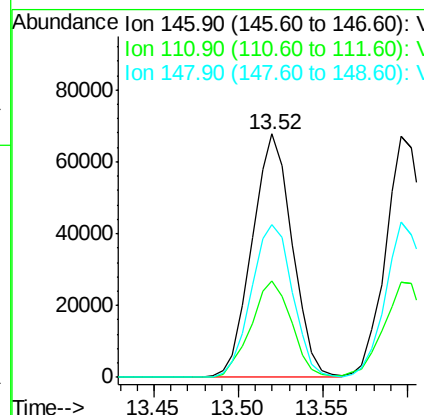
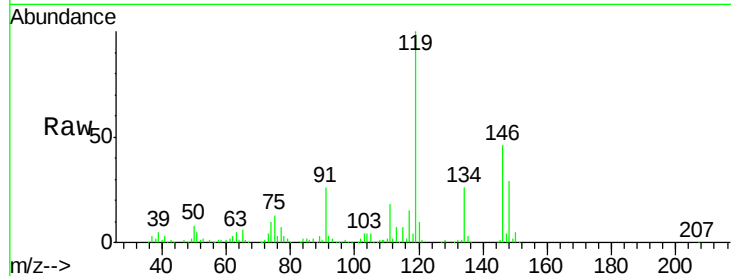
#87
 1,3-Dichlorobenzene
 Concen: 18.729 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.2
148	64.3	32.9	98.6

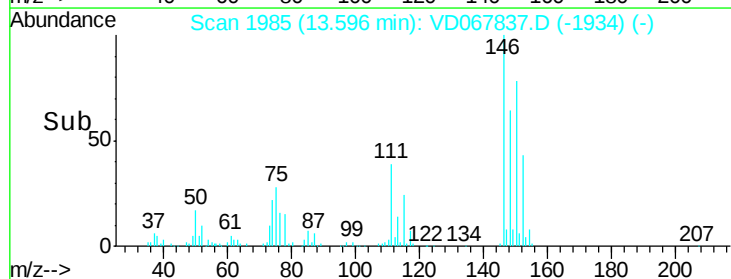
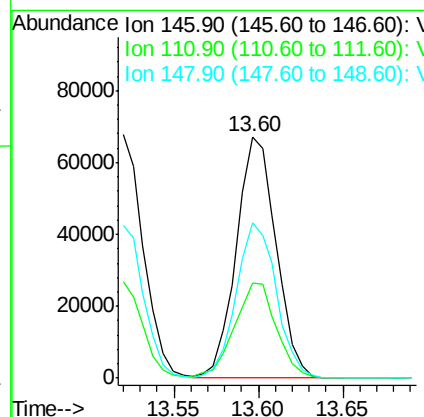
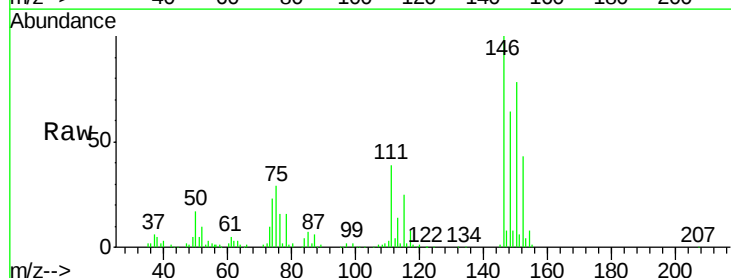
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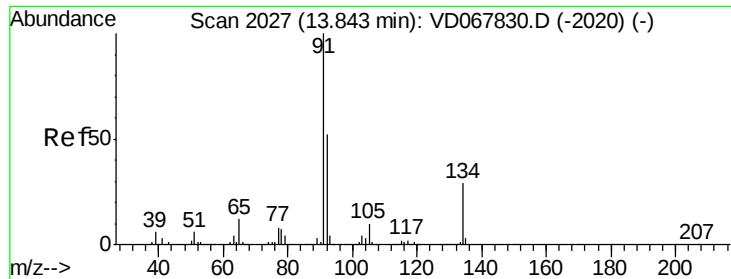
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#88
 1,4-Dichlorobenzene
 Concen: 18.342 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.9	59.6
148	65.3	32.4	97.2





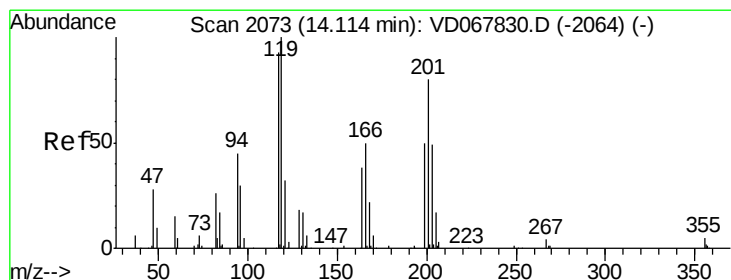
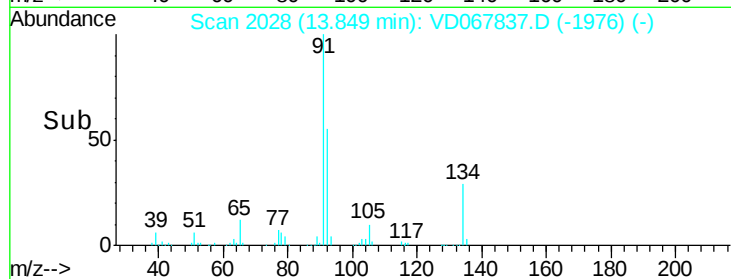
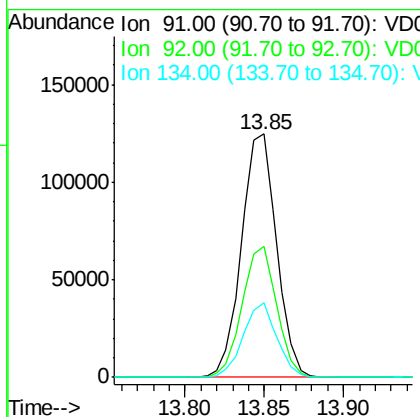
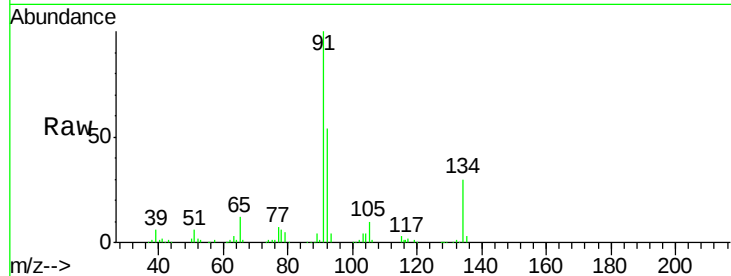
#89
n-Butylbenzene
Concen: 19.151 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	191320		
92	53.1	26.3	78.8	
134	29.3	14.8	44.3	

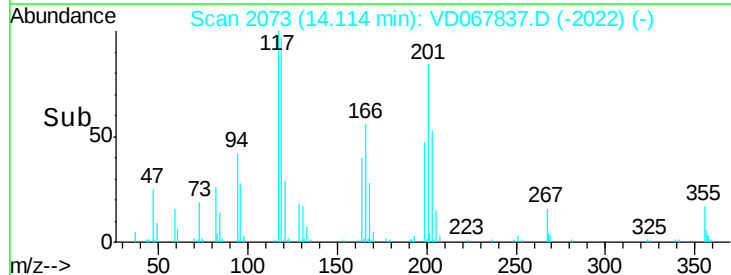
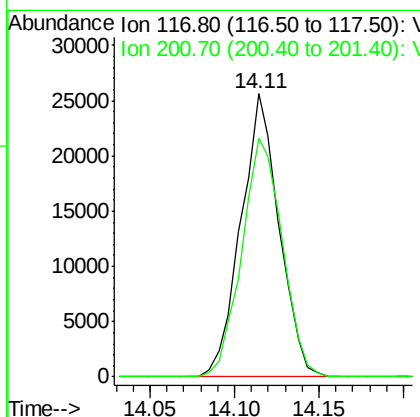
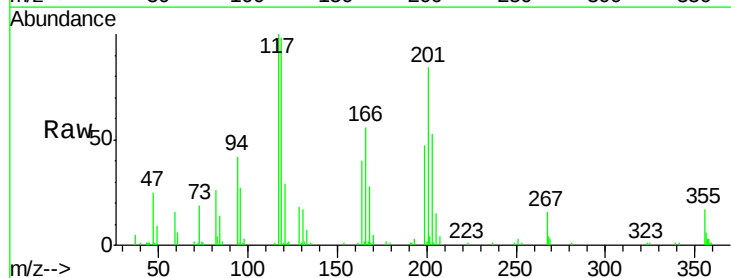
Manual Integrations
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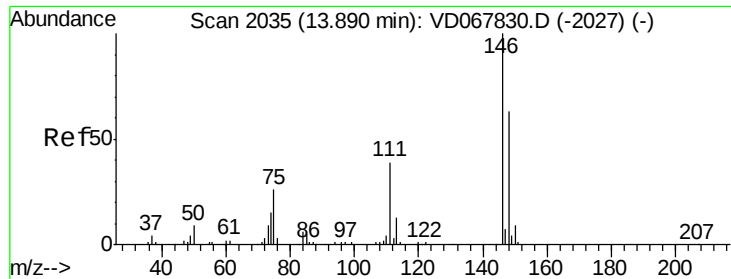
MMDadoda
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#90
Hexachloroethane
Concen: 18.144 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40282		
201	89.5	43.9	131.6	





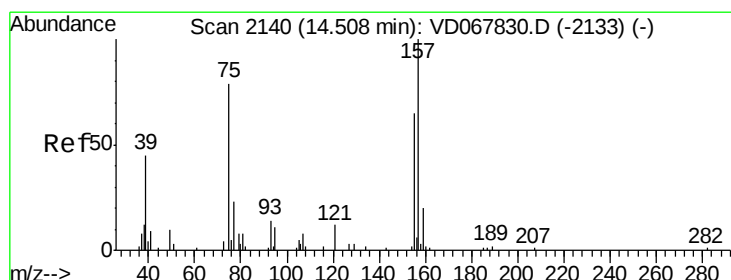
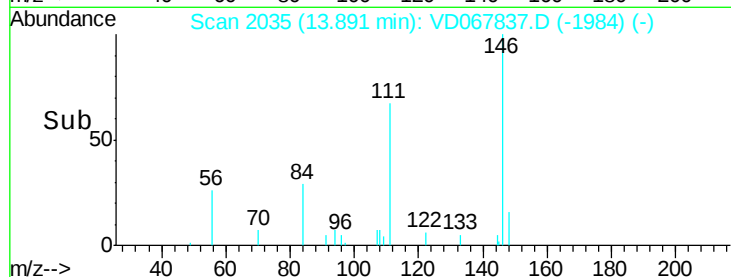
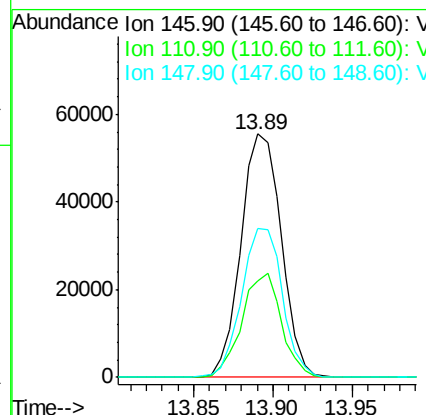
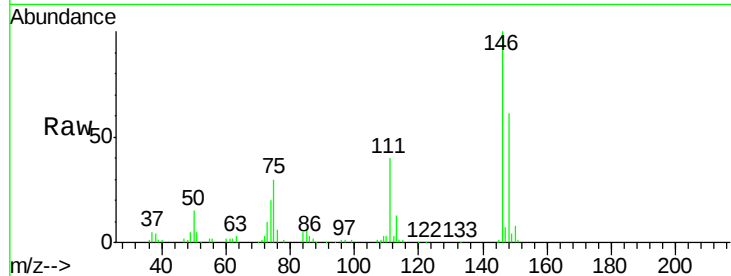
#91
 1,2-Dichlorobenzene
 Concen: 18.902 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	62.0	32.1	96.3

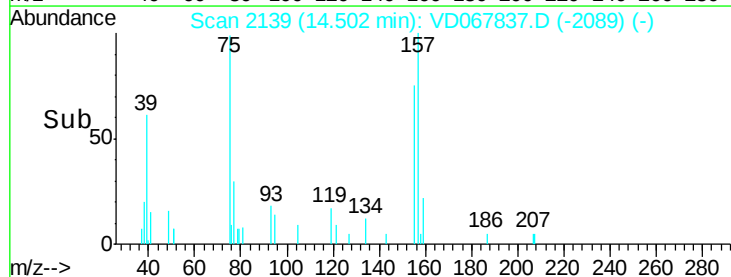
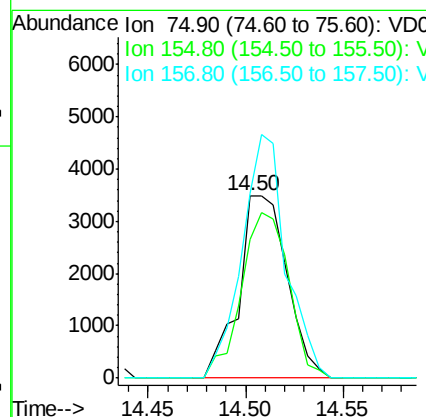
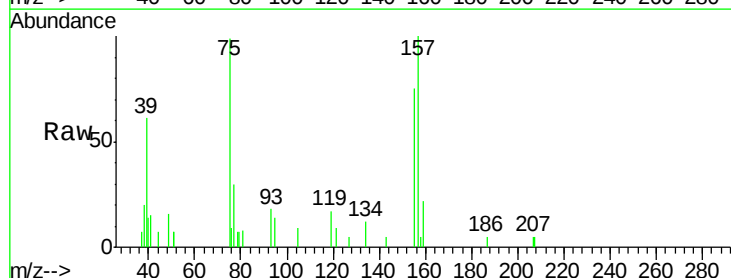
Manual Integrations
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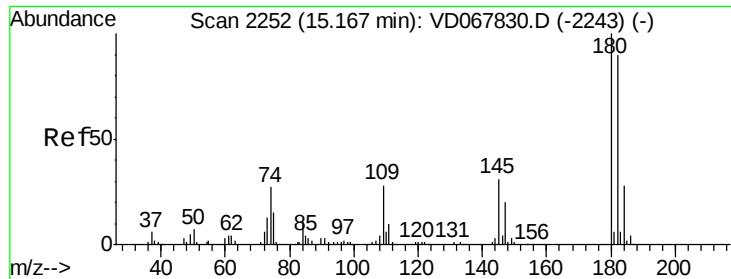
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.415 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	44.1	132.4
157	121.5	62.4	187.2





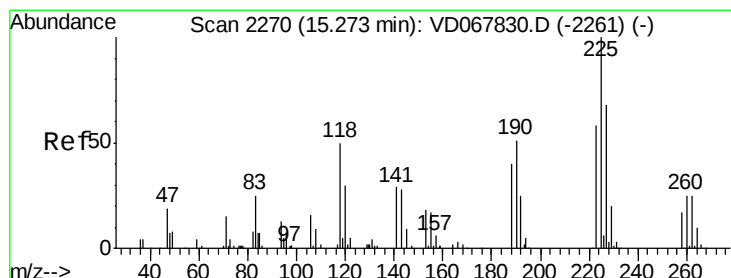
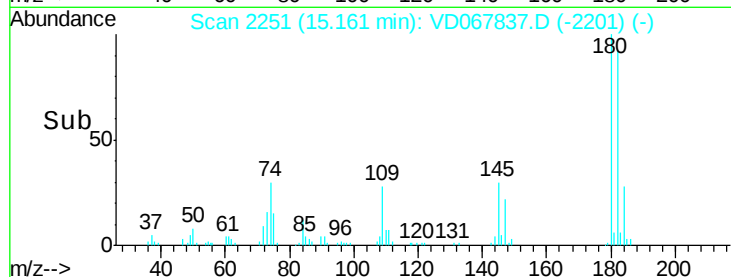
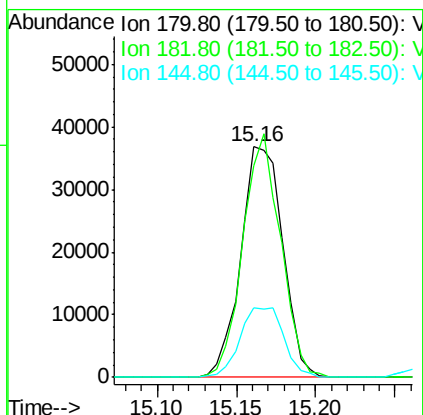
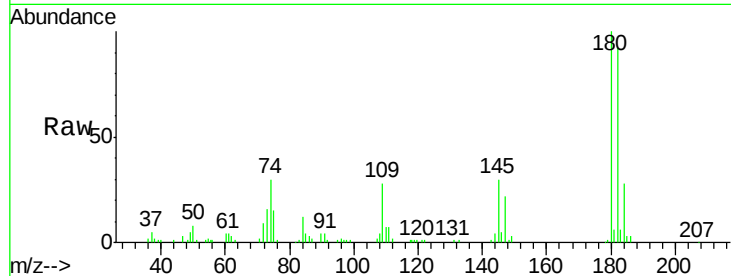
#93
1,2,4-Trichlorobenzene
Concen: 18.712 ug/l
RT: 15.16 min Scan# 2251
Delta R.T. -0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.6
145	31.6	16.4	49.4

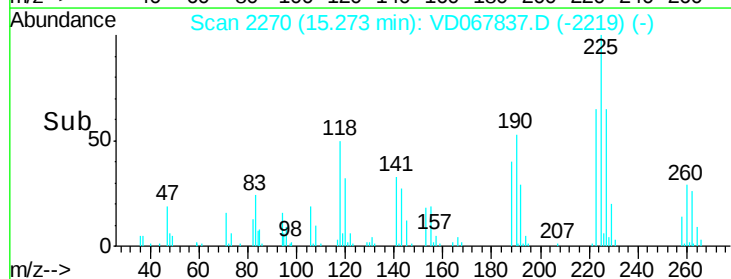
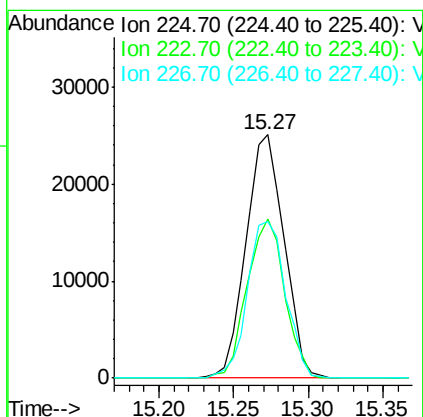
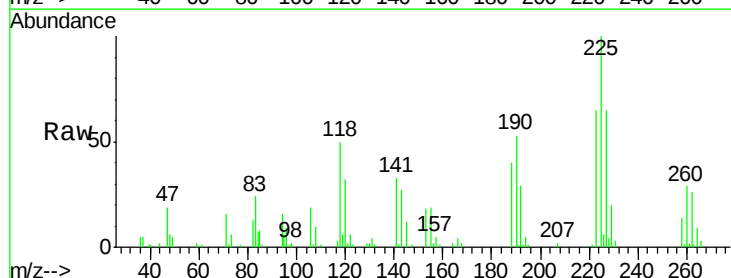
Manual Integrations
APPROVED

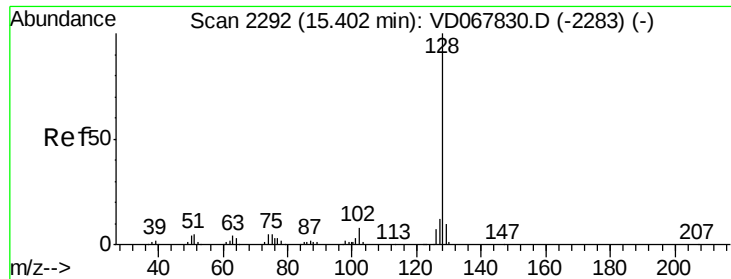
MMDadoda
12/3/2020 9:56:34 AM



#94
Hexachlorobutadiene
Concen: 18.700 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.1	93.3
227	64.5	33.1	99.3





#95

Naphthalene

Concen: 17.609 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

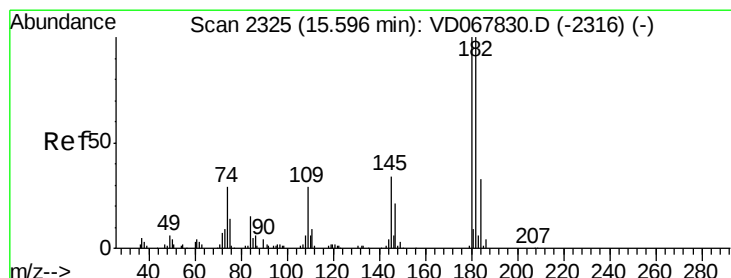
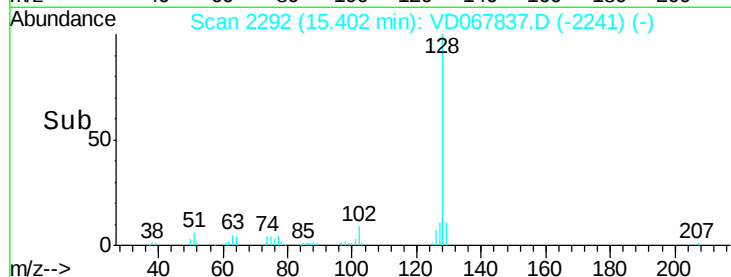
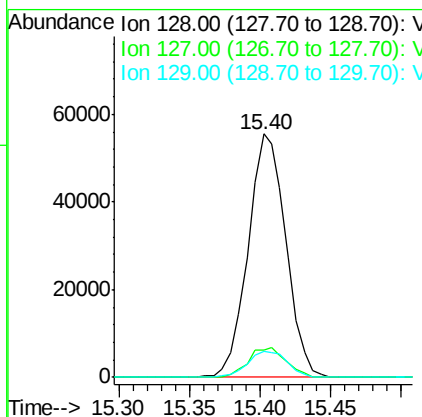
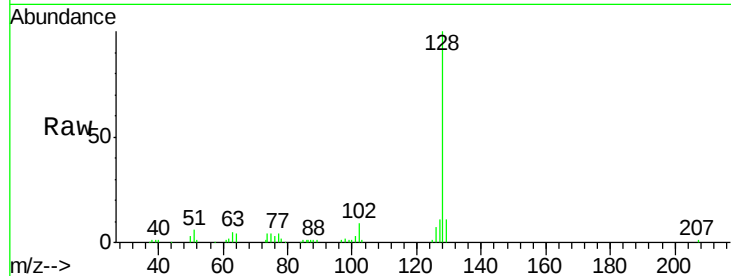
ClientSampleId :

VD1202SBS01

Tot Ion:	128	Resp:	104017
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.6	15.8
129	11.4	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:56:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.320 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion:	180	Resp:	57430
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	142.0
145	35.5	16.8	50.4

