

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067622.D
 Acq On : 12 Nov 2020 14:46
 Operator : VA/SY
 Sample : VD1112SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:34:48 PM

Quant Time: Nov 13 01:12:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	366986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	542380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242320	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	141068	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
35) Dibromofluoromethane	7.92	113	151878	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	10.34	98	527830	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
62) 4-Bromofluorobenzene	12.64	95	195094	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	65171	19.130	ug/l	100
3) Chloromethane	2.21	50	56087	24.543	ug/l	97
4) Vinyl Chloride	2.35	62	50687	19.894	ug/l	92
5) Bromomethane	2.76	94	38640	18.711	ug/l	99
6) Chloroethane	2.92	64	30763	19.584	ug/l	98
7) Trichlorofluoromethane	3.27	101	130763	19.821	ug/l	91
8) Diethyl Ether	3.70	74	27979	21.048	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	70268	21.101	ug/l	100
10) Methyl Iodide	4.30	142	66119	18.525	ug/l	97
11) Tert butyl alcohol	5.22	59	15716	101.665	ug/l #	79
12) 1,1-Dichloroethene	4.06	96	63510	20.734	ug/l	96
13) Acrolein	3.91	56	6066	66.113	ug/l	87
14) Allyl chloride	4.71	41	70428	21.484	ug/l	95
15) Acrylonitrile	5.42	53	52018	105.859	ug/l	97
16) Acetone	4.16	43	42278	88.044	ug/l #	87
17) Carbon Disulfide	4.41	76	186290	19.848	ug/l	98
18) Methyl Acetate	4.73	43	22517	22.692	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	131883	21.828	ug/l #	92
20) Methylene Chloride	4.96	84	88389	26.058	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	74021	20.748	ug/l	96
22) Diisopropyl ether	6.37	45	145947	22.846	ug/l	94
23) Vinyl Acetate	6.31	43	364324	108.949	ug/l	96
24) 1,1-Dichloroethane	6.27	63	110180	21.082	ug/l	94
25) 2-Butanone	7.21	43	58936	114.863	ug/l	94
26) 2,2-Dichloropropane	7.21	77	115923	21.017	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	77592	20.953	ug/l	94
28) Bromochloromethane	7.56	49	39197	21.085	ug/l	93
29) Tetrahydrofuran	7.57	42	34923	113.627	ug/l	98
30) Chloroform	7.71	83	132108	21.188	ug/l	97
31) Cyclohexane	7.99	56	114202	24.538	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	131847	20.495	ug/l	98
36) 1,1-Dichloropropene	8.11	75	98320	21.177	ug/l	99
37) Ethyl Acetate	7.29	43	27922	23.165	ug/l	98
38) Carbon Tetrachloride	8.10	117	123419	20.460	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	122741	22.462	ug/l	90
40) Benzene	8.36	78	270690	21.524	ug/l	98
41) Methacrylonitrile	7.53	41	14517	20.149	ug/l	98
42) 1,2-Dichloroethane	8.43	62	76403	19.663	ug/l	96
43) Isopropyl Acetate	8.46	43	60820	25.514	ug/l	93
44) Trichloroethene	9.11	130	88192	21.328	ug/l	91
45) 1,2-Dichloropropane	9.39	63	63157	23.228	ug/l	92
46) Dibromomethane	9.48	93	34742	20.096	ug/l	92
47) Bromodichloromethane	9.66	83	98815	21.029	ug/l #	94
48) Methyl methacrylate	9.46	41	28591	23.230	ug/l	95
49) 1,4-Dioxane	9.46	88	8631	491.782	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	135101	118.505	ug/l	100
52) Toluene	10.41	92	691927	82.144	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	88129	21.898	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	102115	21.356	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	50348	22.011	ug/l	96
56) Ethyl methacrylate	10.67	69	53478	22.640	ug/l	98
57) 1,3-Dichloropropane	10.95	76	81657	22.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123253	111.891	ug/l	100
59) 2-Hexanone	10.99	43	90482	113.511	ug/l	97
60) Dibromochloromethane	11.14	129	71751	21.205	ug/l	99
61) 1,2-Dibromoethane	11.25	107	48450	21.104	ug/l	94
64) Tetrachloroethene	10.88	164	78857	21.717	ug/l	96
65) Chlorobenzene	11.67	112	203845	21.583	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	80522	21.631	ug/l	98
67) Ethyl Benzene	11.75	91	374047	23.144	ug/l	97
68) m/p-Xylenes	11.86	106	307796	48.953	ug/l	98
69) o-Xylene	12.18	106	131868	23.490	ug/l	100
70) Styrene	12.20	104	222727	22.769	ug/l	98
71) Bromoform	12.37	173	42126	22.189	ug/l #	99
73) Isopropylbenzene	12.48	105	351899	22.470	ug/l	99
74) N-amyl acetate	12.30	43	48821	23.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	48652	22.782	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	35943m	24.588	ug/l	
77) Bromobenzene	12.76	156	84726	22.029	ug/l	98
78) n-propylbenzene	12.83	91	405716	22.649	ug/l	99
79) 2-Chlorotoluene	12.91	91	236405	23.233	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	307698	23.000	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	16075	22.326	ug/l	92
82) 4-Chlorotoluene	13.01	91	246591	22.595	ug/l	100
83) tert-Butylbenzene	13.23	119	262415	23.145	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	320693	24.082	ug/l	99
85) sec-Butylbenzene	13.41	105	348897	22.795	ug/l	99
86) p-Isopropyltoluene	13.52	119	326991	22.123	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	163349	22.258	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	163961	22.064	ug/l	99
89) n-Butylbenzene	13.84	91	285473	22.361	ug/l	99
90) Hexachloroethane	14.11	117	57495	20.656	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	138981	21.882	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9164	24.237	ug/l	89

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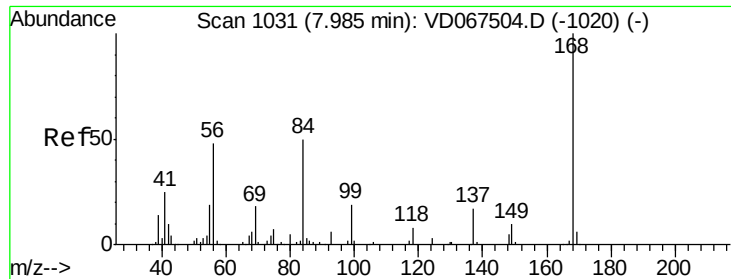
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	93991	21.803	ug/l	99
94) Hexachlorobutadiene	15.27	225	63668	22.067	ug/l	97
95) Naphthalene	15.40	128	148484	22.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	78275	21.204	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion:168 Resp: 366986

Ion Ratio Lower Upper

168 100

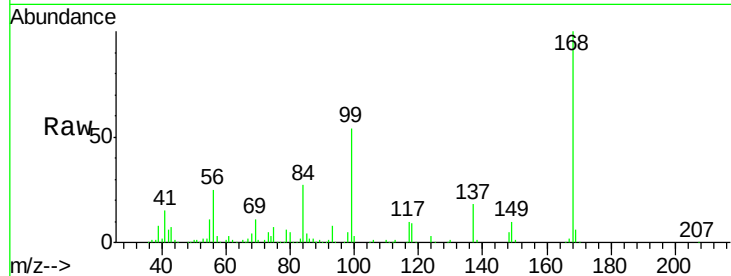
99 53.6 45.0 67.6

Manual Integrations

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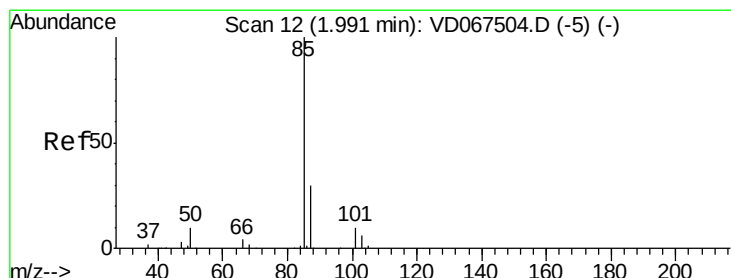
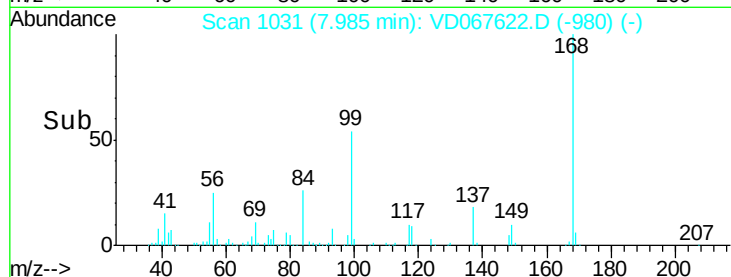
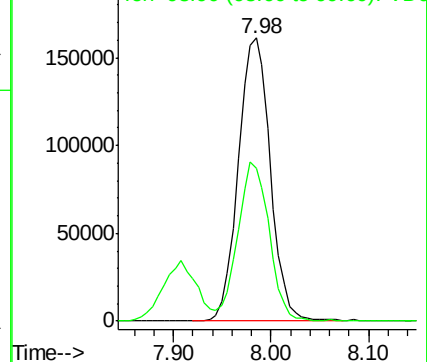
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.130 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067622.D

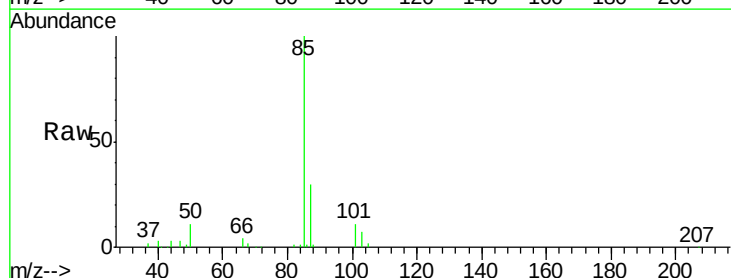
Acq: 12 Nov 2020 14:46

Tgt Ion: 85 Resp: 65171

Ion Ratio Lower Upper

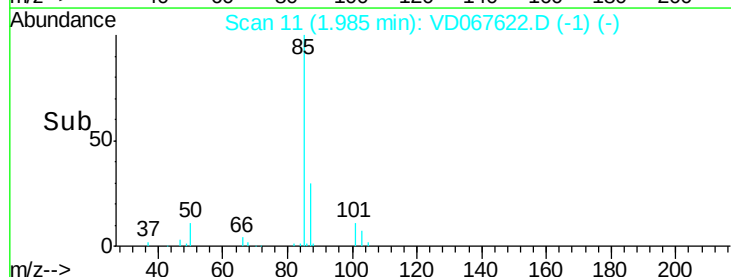
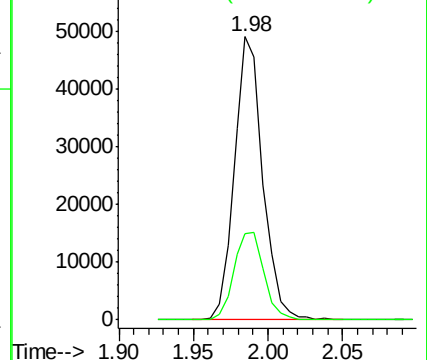
85 100

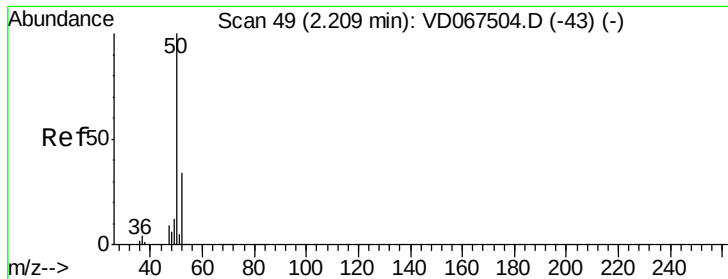
87 30.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.543 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 50 Resp: 56087

Ion Ratio Lower Upper

50 100

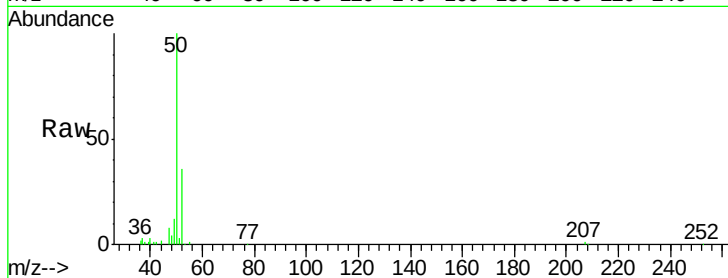
52 36.0 27.3 40.9

Manual Integrations

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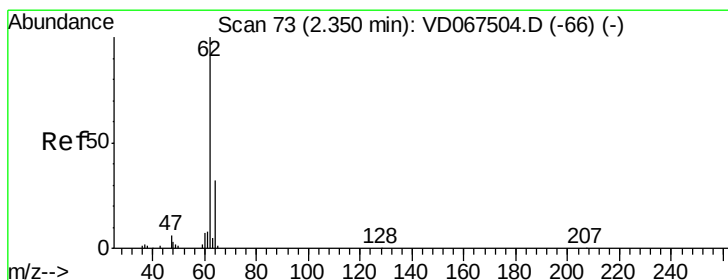
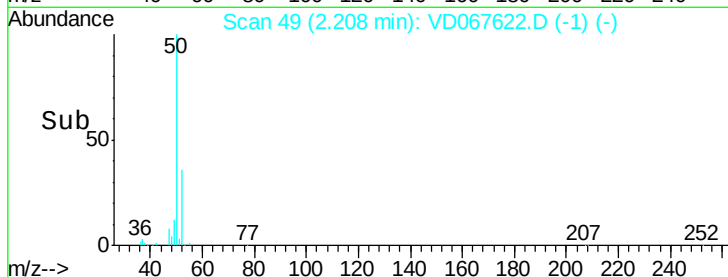
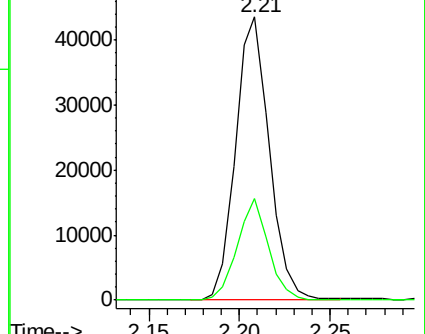
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.894 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067622.D

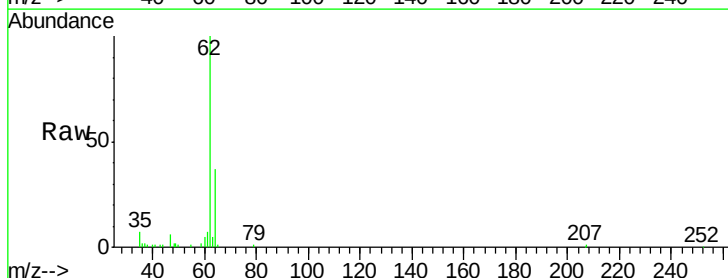
Acq: 12 Nov 2020 14:46

Tgt Ion: 62 Resp: 50687

Ion Ratio Lower Upper

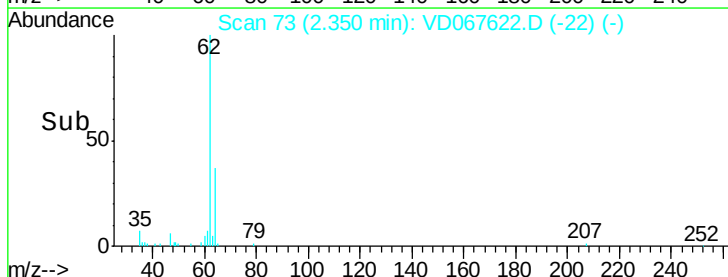
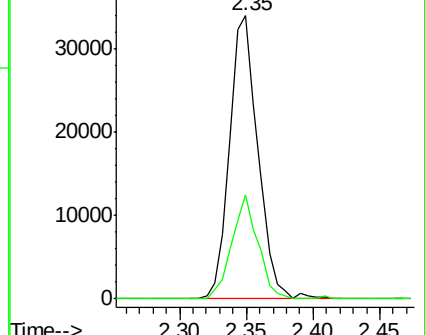
62 100

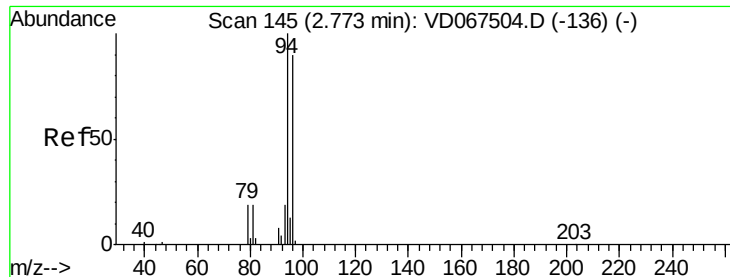
64 36.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.711 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 94 Resp: 38640

Ion Ratio Lower Upper

94 100

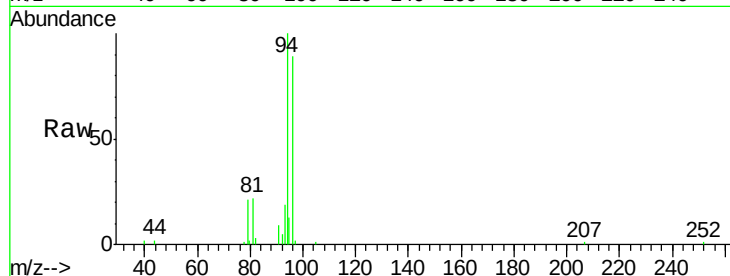
96 88.9 72.2 108.2

Manual Integrations

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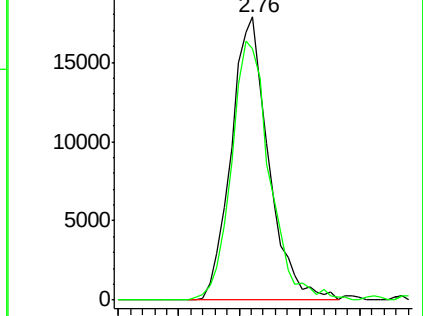
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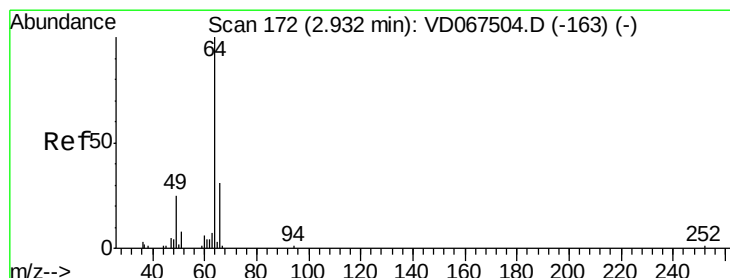
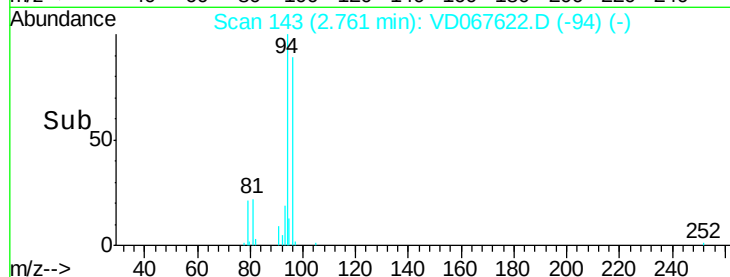


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 19.584 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067622.D

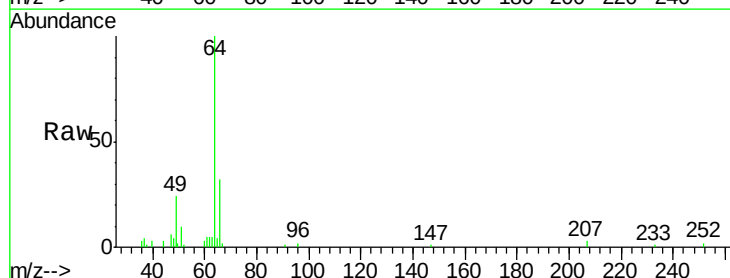
Acq: 12 Nov 2020 14:46

Tgt Ion: 64 Resp: 30763

Ion Ratio Lower Upper

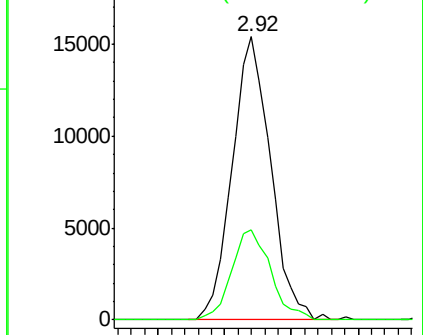
64 100

66 32.0 24.6 36.8

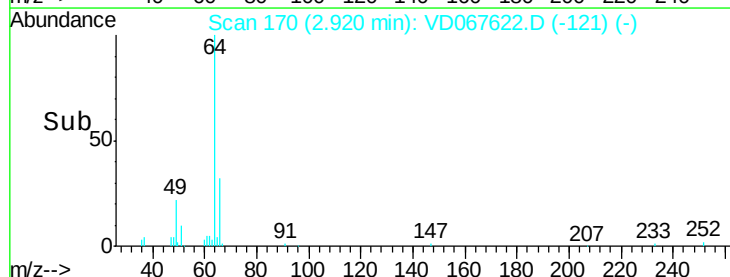


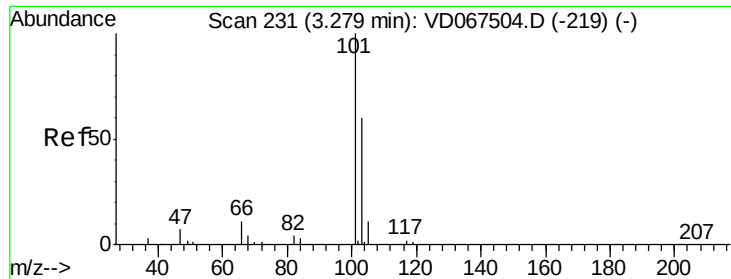
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

Trichlorofluoromethane

Concen: 19.821 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 130763

Ion Ratio Lower Upper

101 100

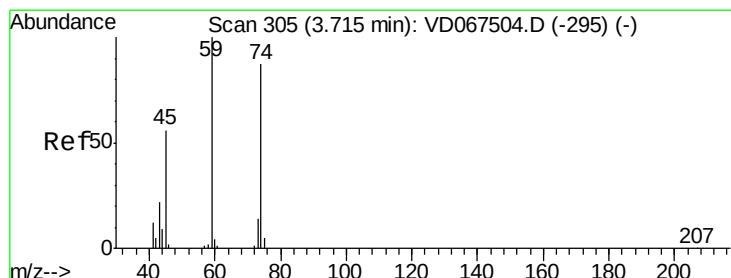
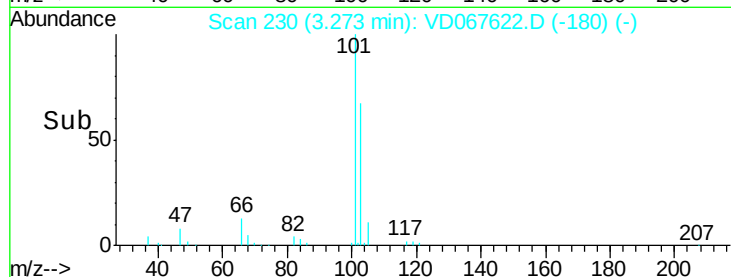
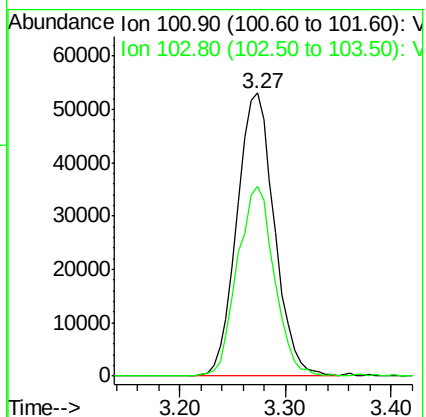
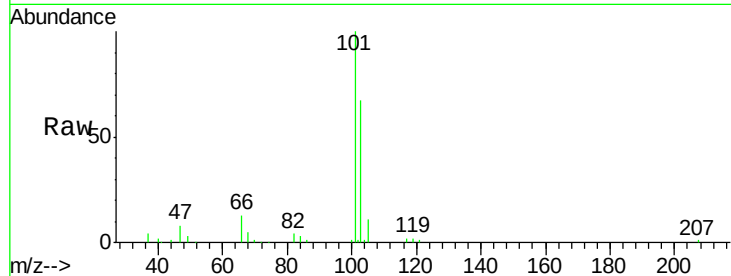
103 67.1 48.1 72.1

Manual Integrations

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#8

Diethyl Ether

Concen: 21.048 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067622.D

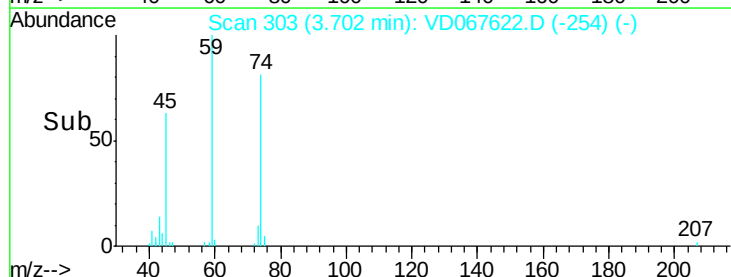
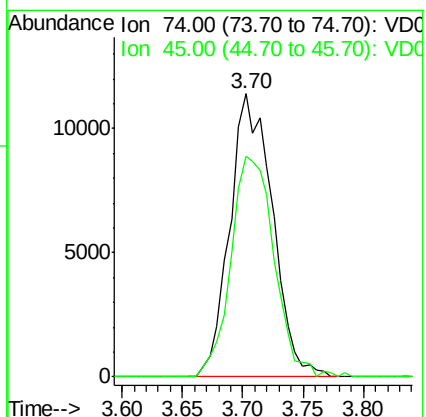
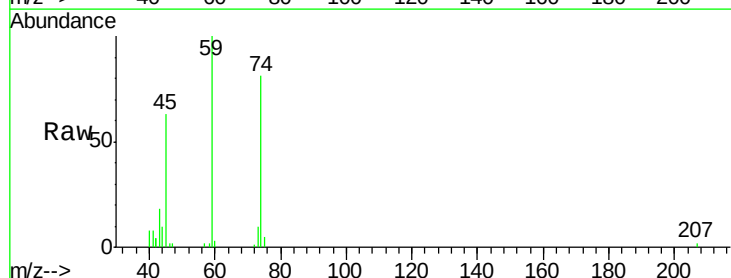
Acq: 12 Nov 2020 14:46

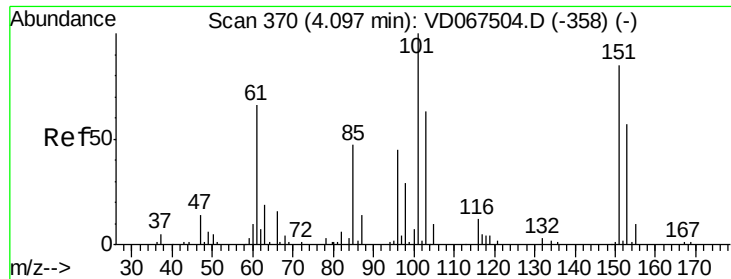
Tgt Ion: 74 Resp: 27979

Ion Ratio Lower Upper

74 100

45 79.2 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.101 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

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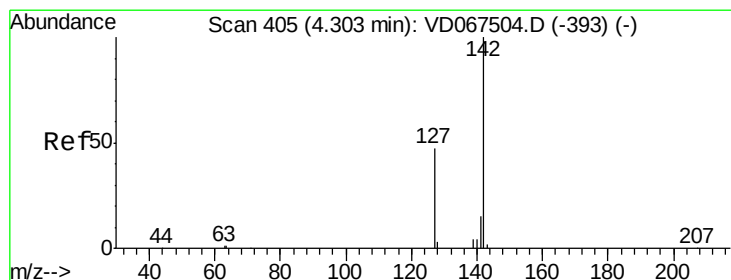
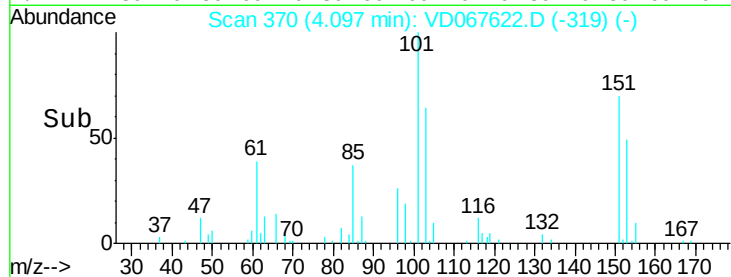
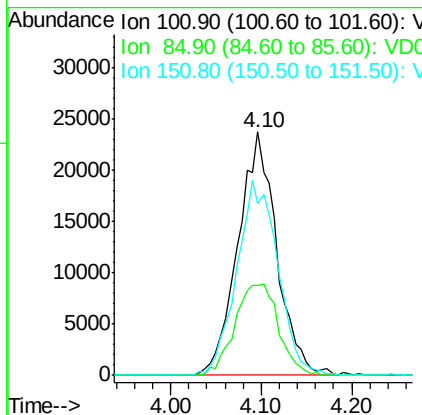
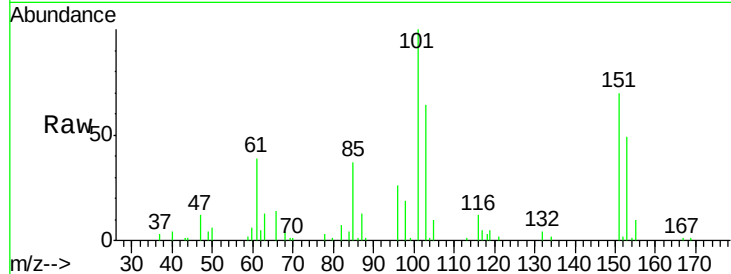
ClientSampleId :

VD1112SBS02

Tot Ion:	101	Resp:	70268
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	85.1	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.525 ug/l

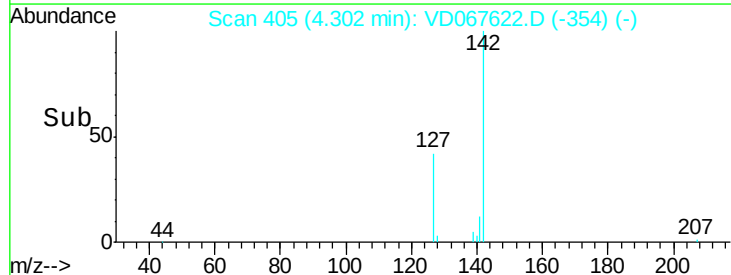
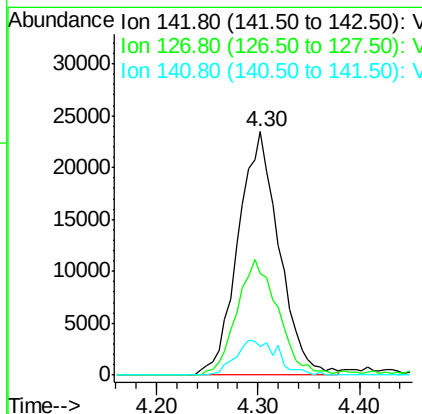
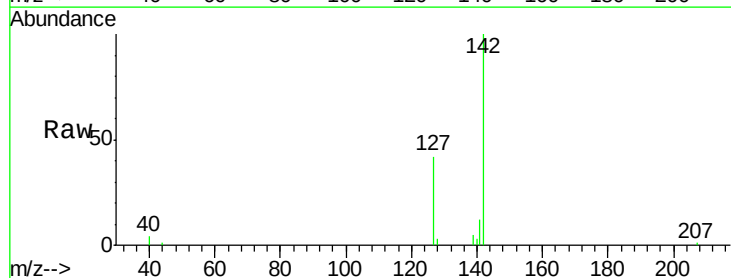
RT: 4.30 min Scan# 405

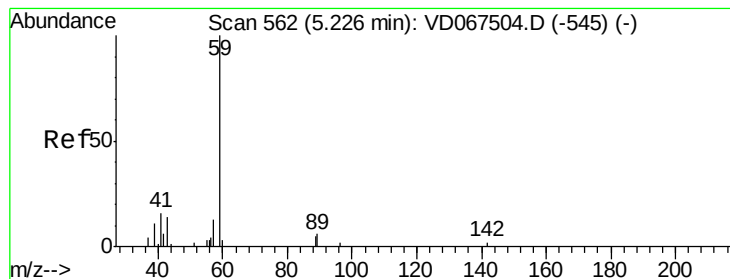
Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Tgt Ion:	142	Resp:	66119
Ion Ratio	Lower	Upper	
142	100		
127	47.7	40.0	60.0
141	14.7	11.7	17.5





#11

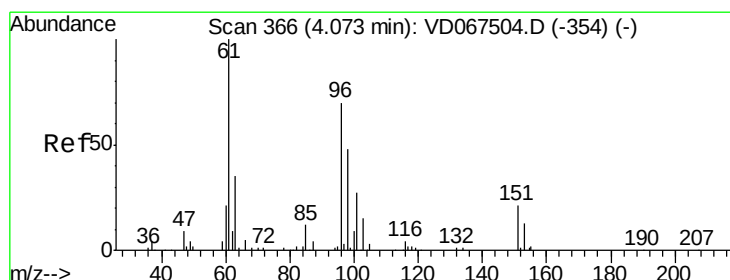
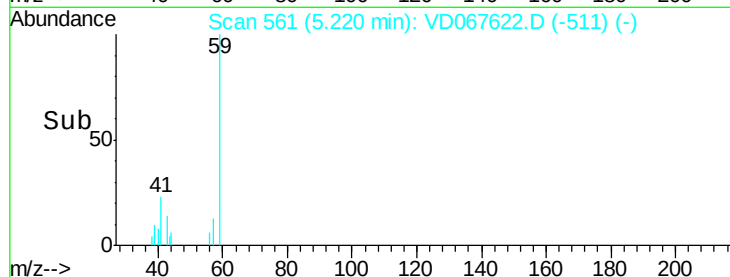
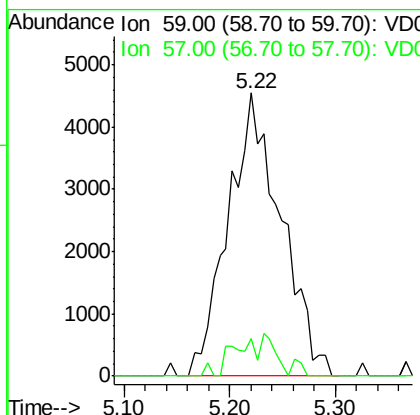
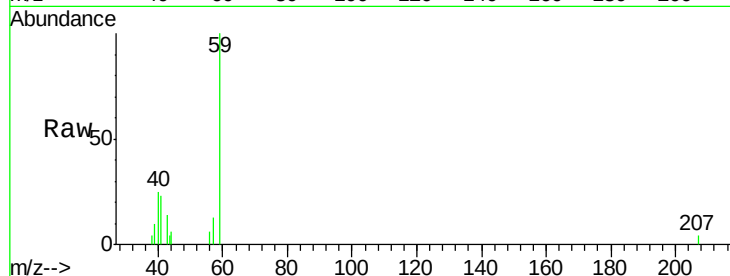
Tert butyl alcohol
 Concen: 101.665 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.9	8.9#

Manual Integrations
 APPROVED

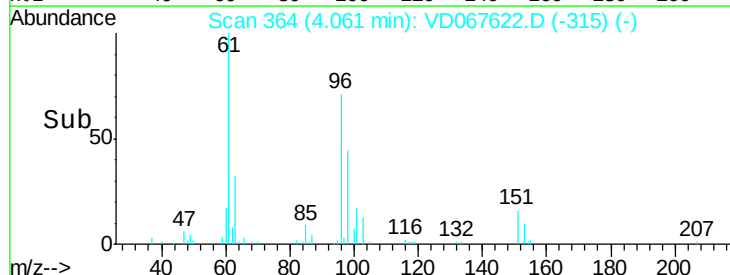
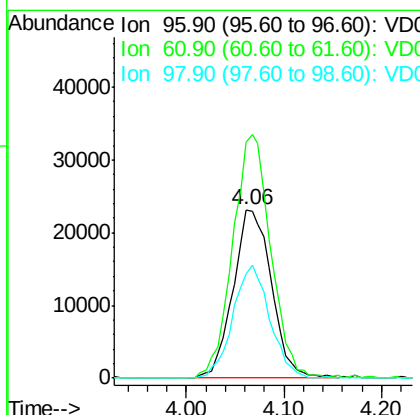
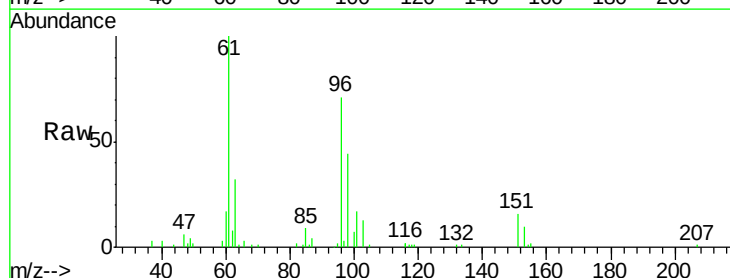
MMDadoda
 11/16/2020 2:34:48 PM

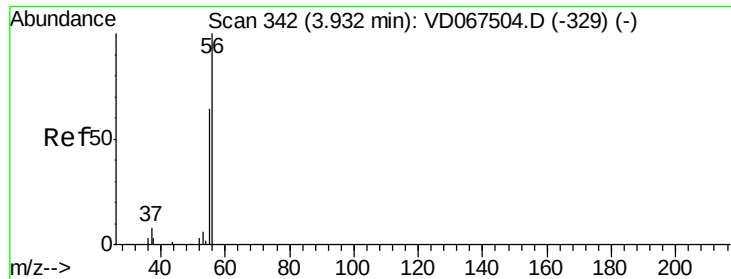


#12

1,1-Dichloroethene
 Concen: 20.734 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.2	114.5	171.7
98	61.8	54.5	81.7





#13

Acrolein

Concen: 66.113 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 56 Resp: 6066

Ion Ratio Lower Upper

56 100

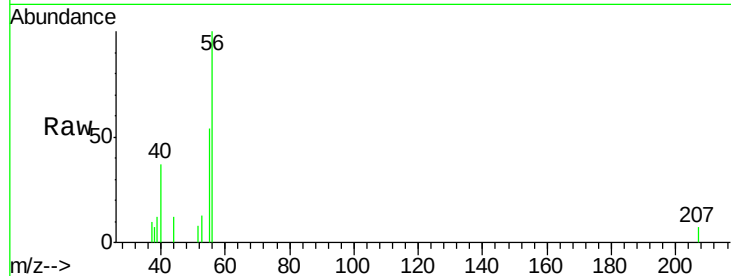
55 80.3 55.8 83.8

Manual Integrations

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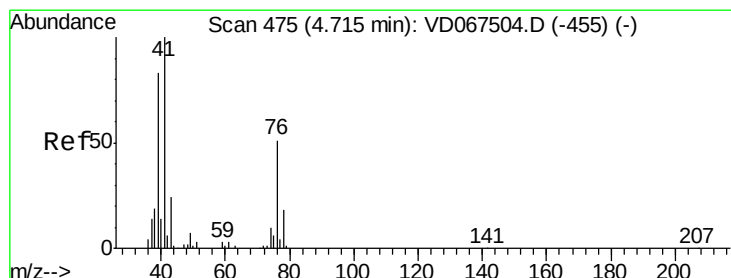
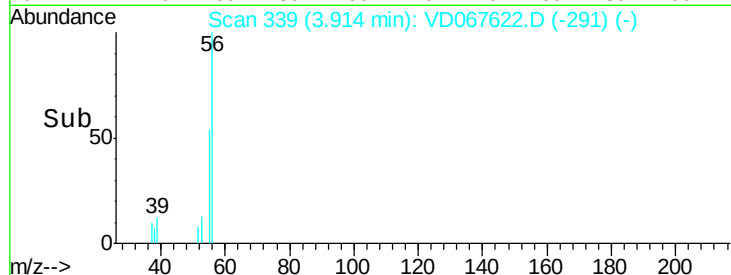
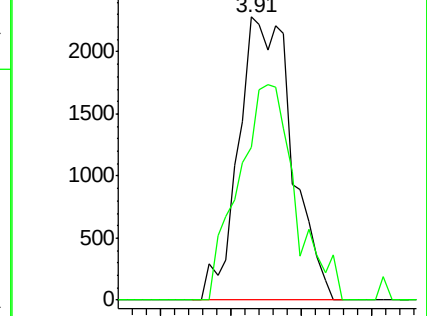
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.484 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

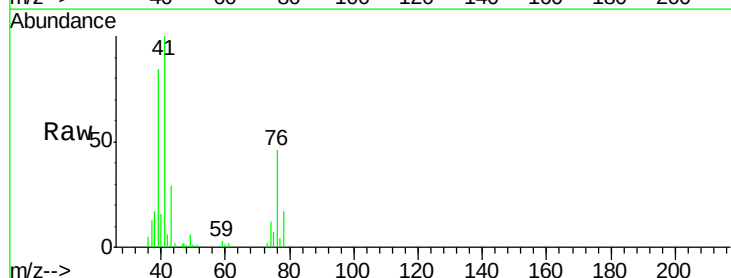
Tgt Ion: 41 Resp: 70428

Ion Ratio Lower Upper

41 100

39 79.2 67.4 101.0

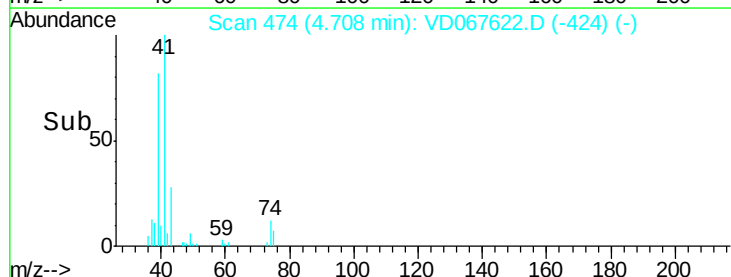
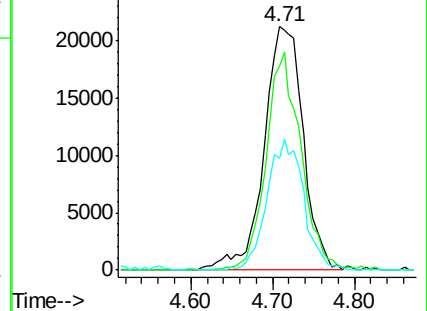
76 50.0 42.2 63.2

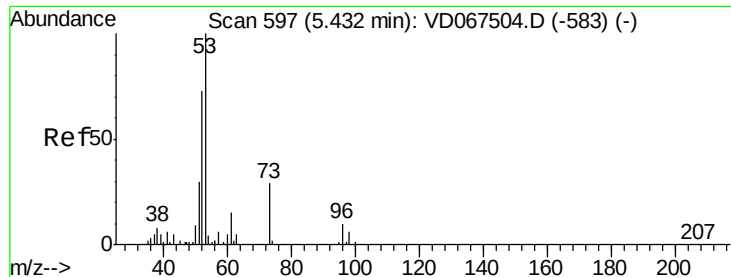


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.859 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

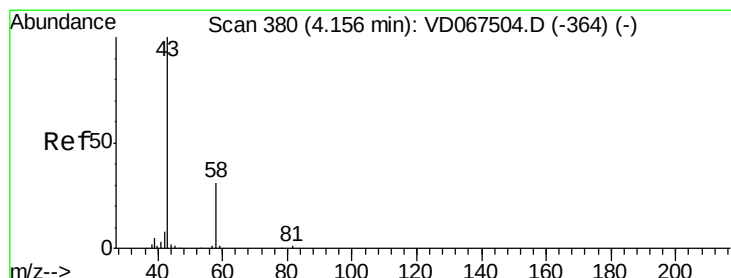
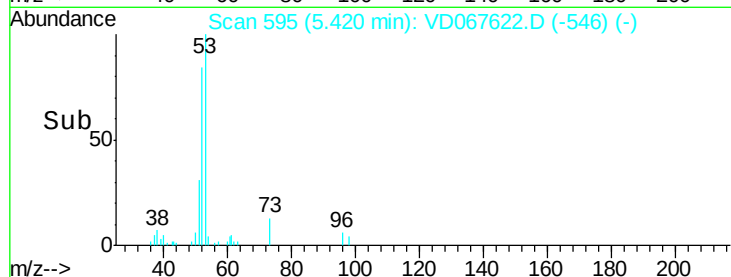
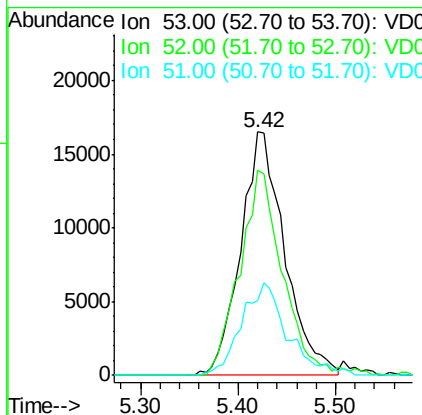
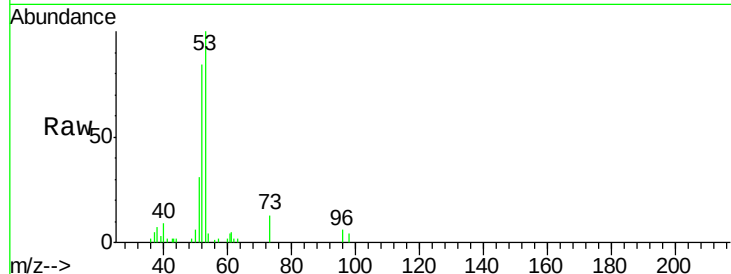
ClientSampleId :

VD1112SBS02

Tot Ion:	53	Resp:	52018
Ion Ratio	Lower	Upper	
53	100		
52	82.8	64.8	97.2
51	39.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 88.044 ug/l

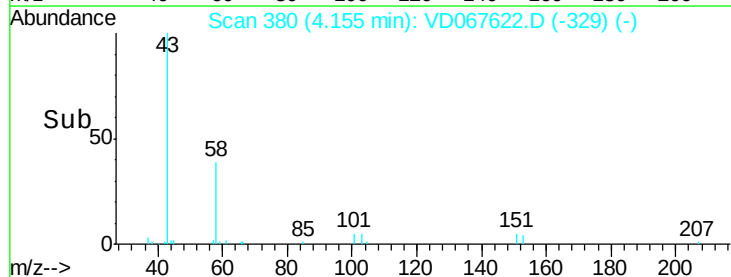
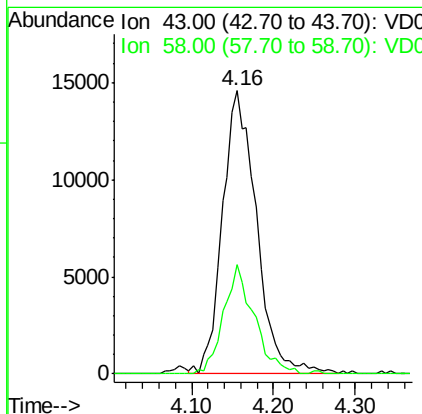
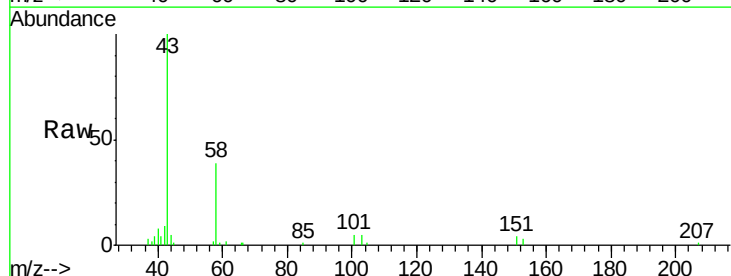
RT: 4.16 min Scan# 380

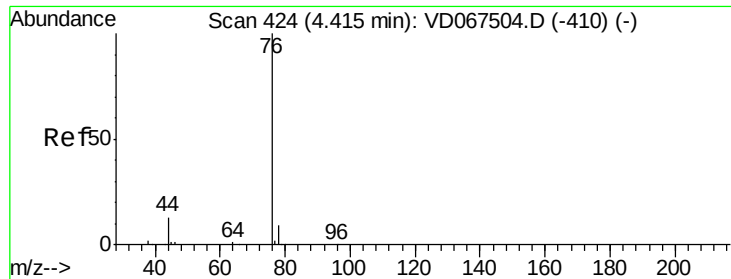
Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Tgt Ion:	43	Resp:	42278
Ion Ratio	Lower	Upper	
43	100		
58	38.5	25.2	37.8#





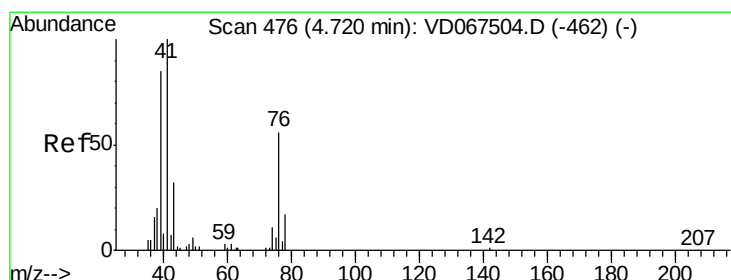
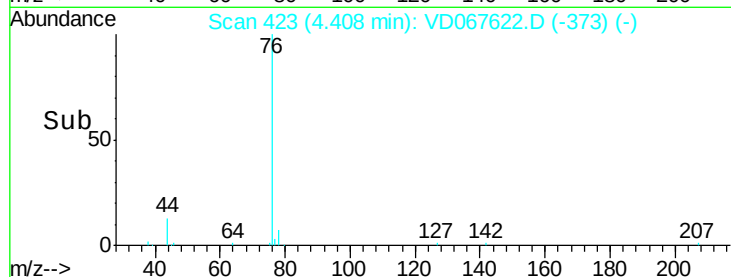
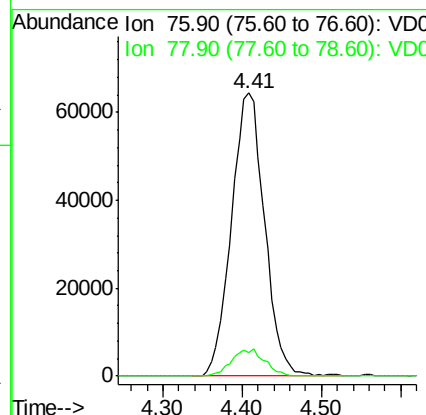
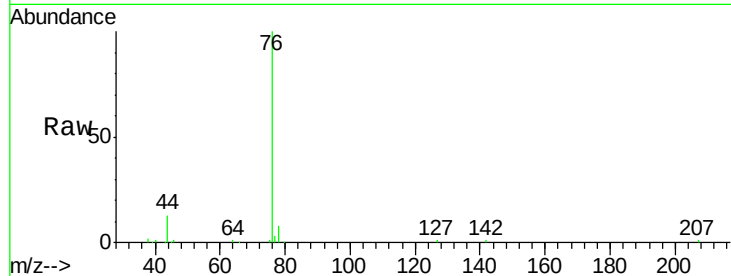
#17
Carbon Disulfide
Concen: 19.848 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8

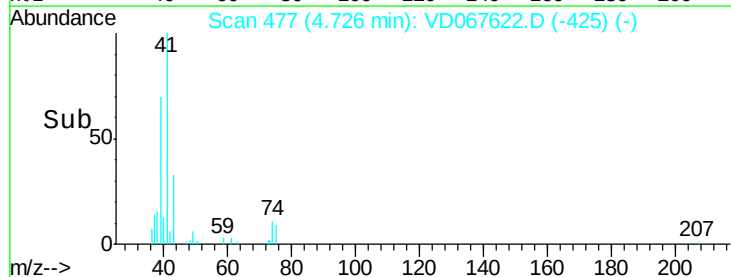
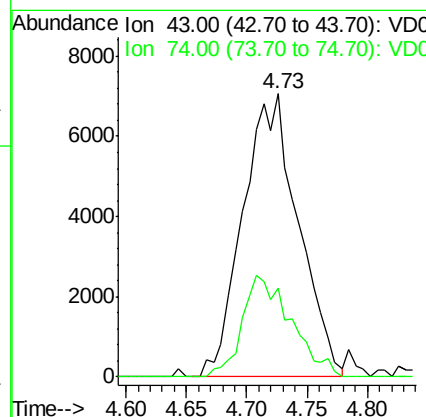
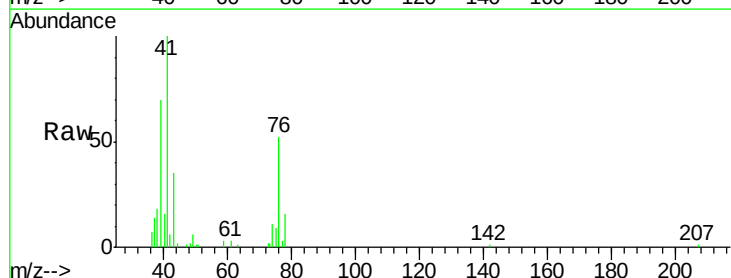
Manual Integrations
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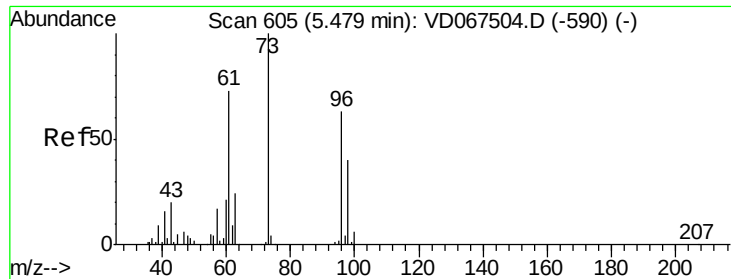
MMDadoda
11/16/2020 2:34:48 PM



#18
Methyl Acetate
Concen: 22.692 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.7	27.2	40.8





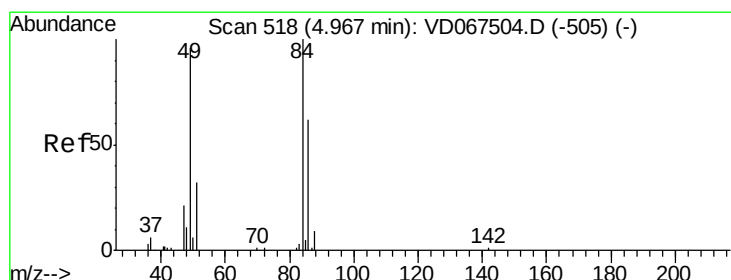
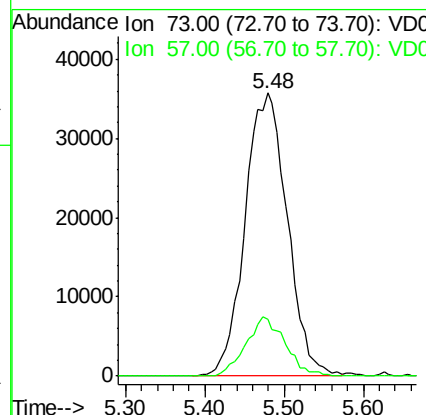
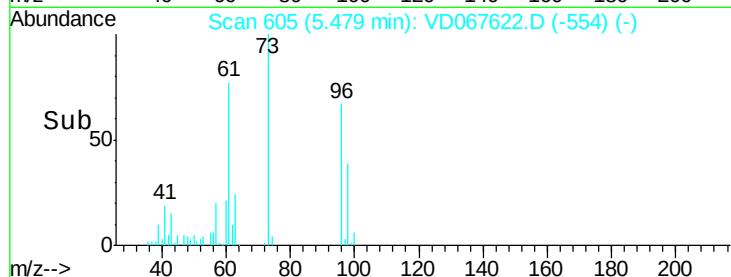
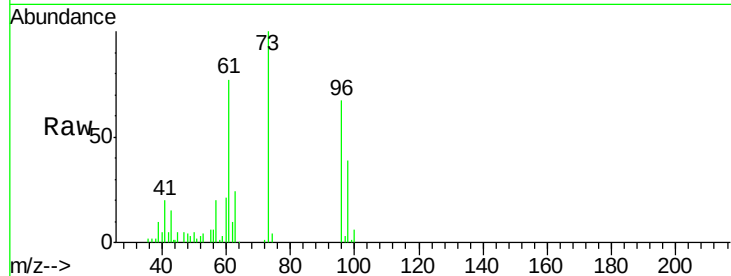
#19
Methyl tert-butyl Ether
Concen: 21.828 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion: 73 Resp: 131883
Ion Ratio Lower Upper
73 100
57 20.2 13.4 20.0#

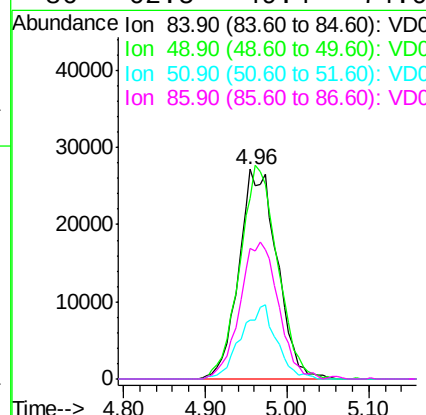
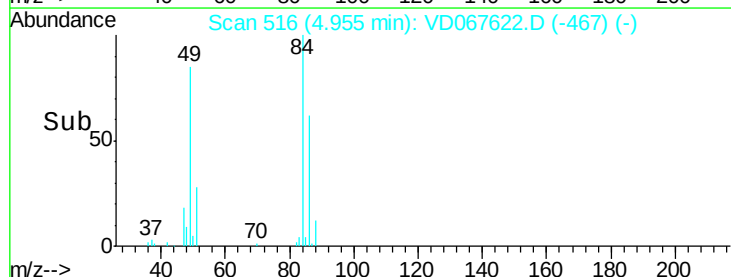
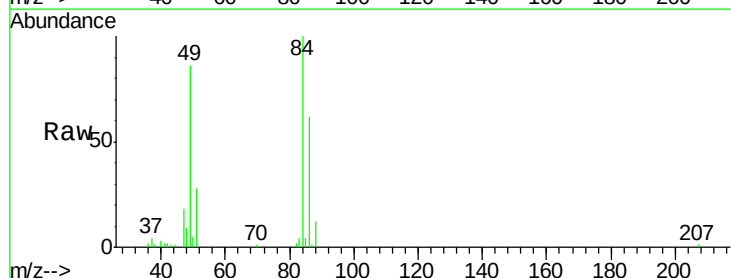
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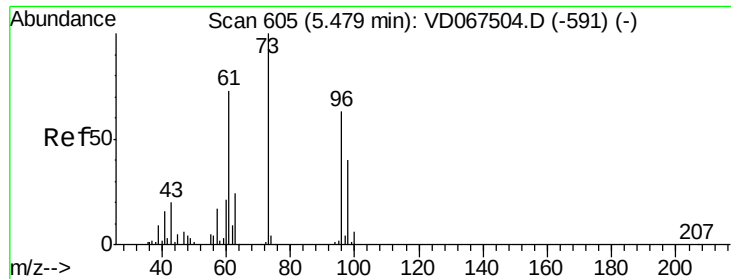
MMDadoda
11/16/2020 2:34:48 PM



#20
Methylene Chloride
Concen: 26.058 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 84 Resp: 88389
Ion Ratio Lower Upper
84 100
49 86.0 77.0 115.4
51 28.0 25.4 38.2
86 62.5 49.4 74.0





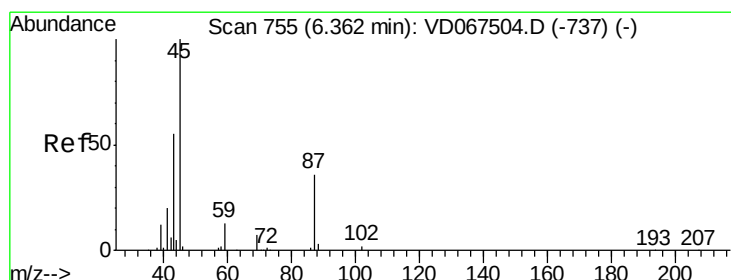
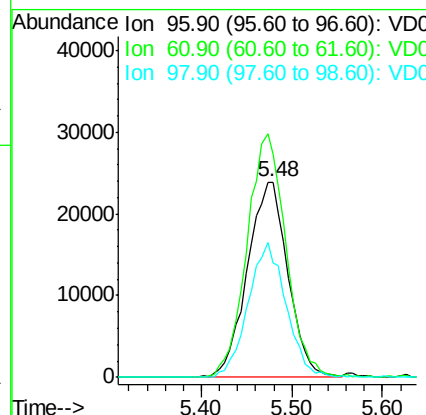
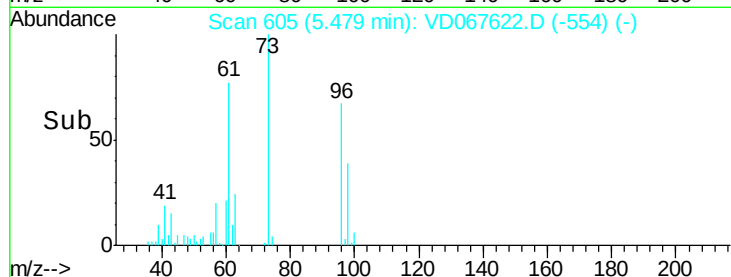
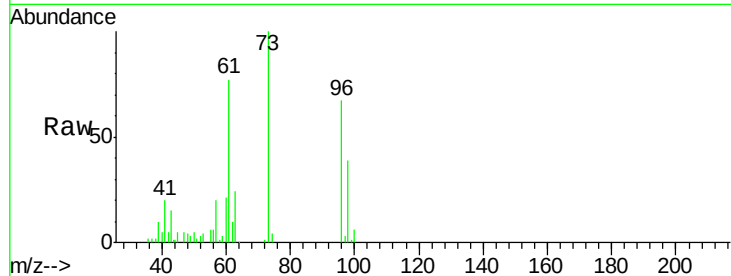
#21
trans-1,2-Dichloroethene
Concen: 20.748 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.2	93.0	139.6
98	58.5	50.9	76.3

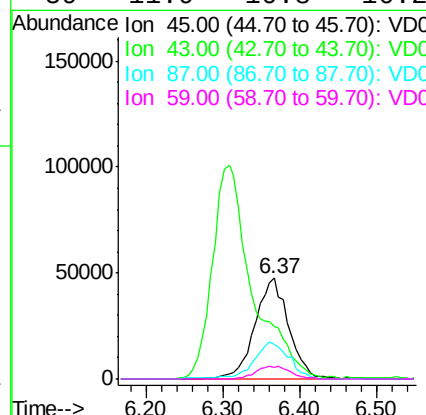
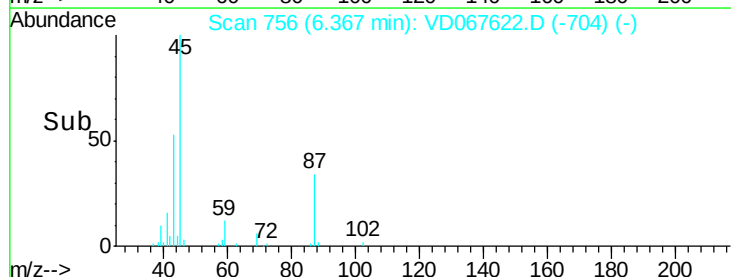
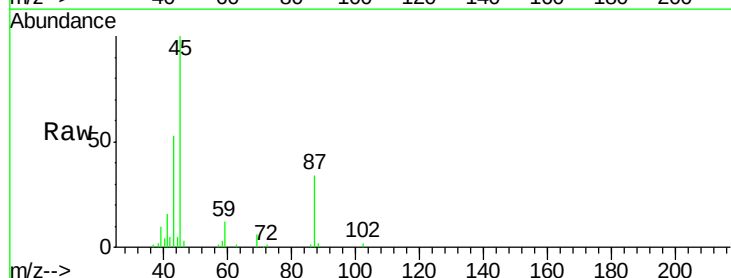
Manual Integrations
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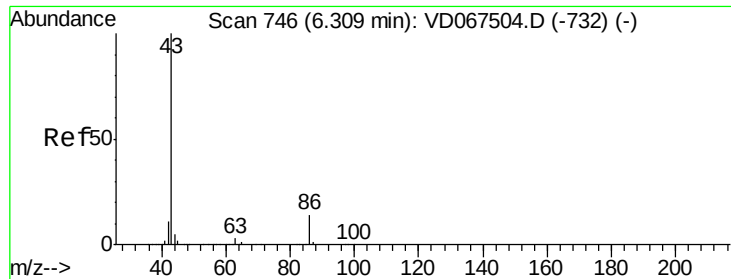
MMDadoda
11/16/2020 2:34:48 PM



#22
Diisopropyl ether
Concen: 22.846 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.0	46.2	69.4
87	33.6	29.4	44.2
59	11.9	10.8	16.2





#23

Vinyl Acetate

Concen: 108.949 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 43 Resp: 364324

Ion Ratio Lower Upper

43 100

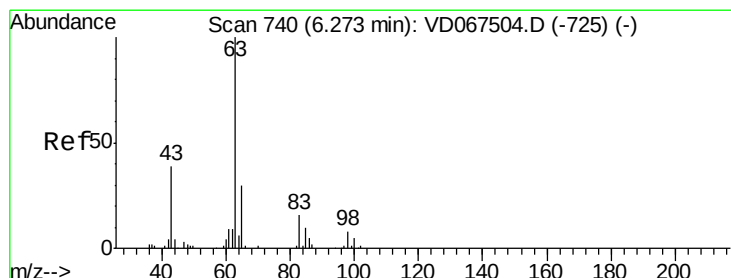
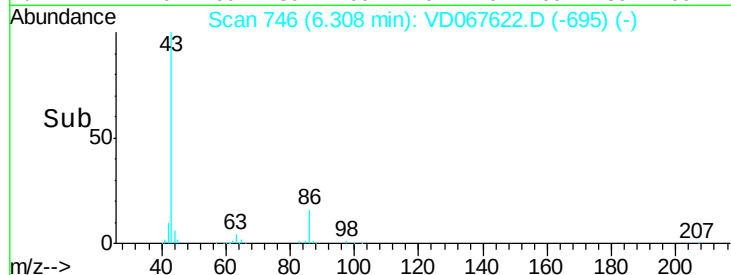
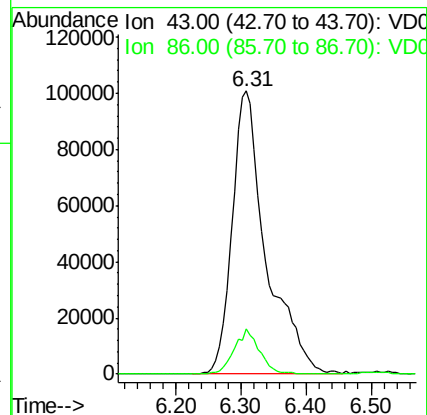
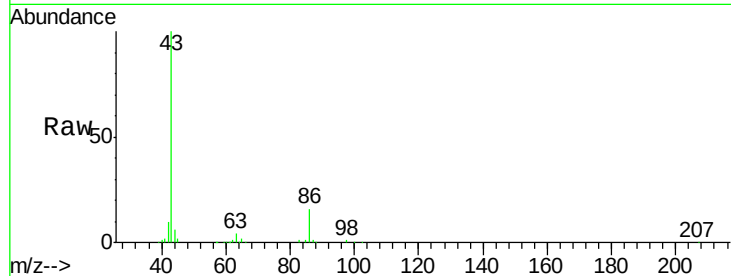
86 16.1 11.6 17.4

Manual Integrations

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MMDadoda

11/16/2020 2:34:48 PM



#24

1,1-Dichloroethane

Concen: 21.082 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

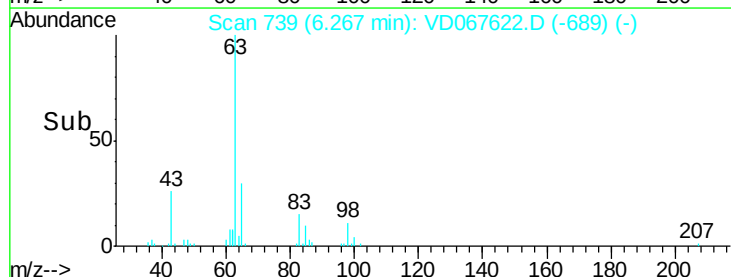
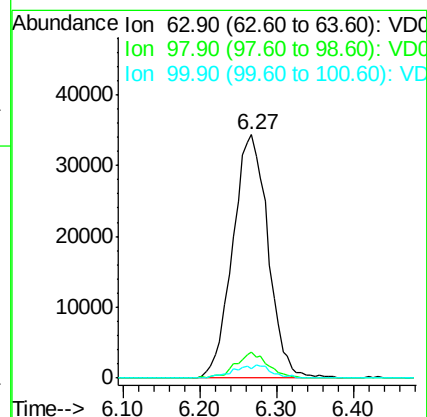
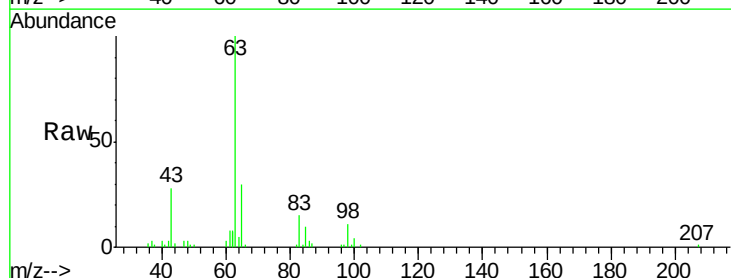
Tgt Ion: 63 Resp: 110180

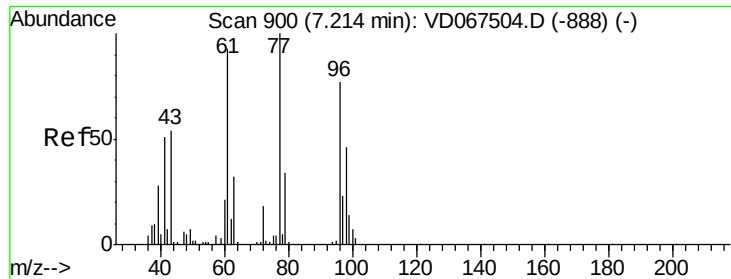
Ion Ratio Lower Upper

63 100

98 10.6 3.9 11.5

100 4.0 2.6 7.8





#25

2-Butanone

Concen: 114.863 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 43 Resp: 58936

Ion Ratio Lower Upper

43 100

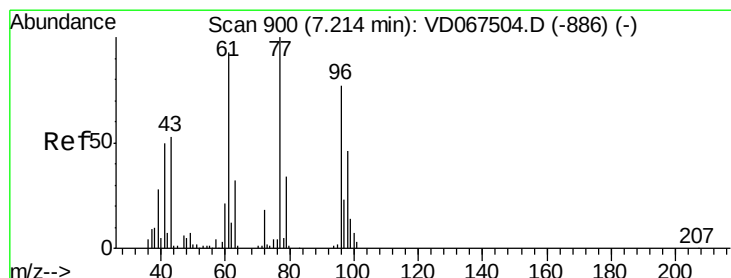
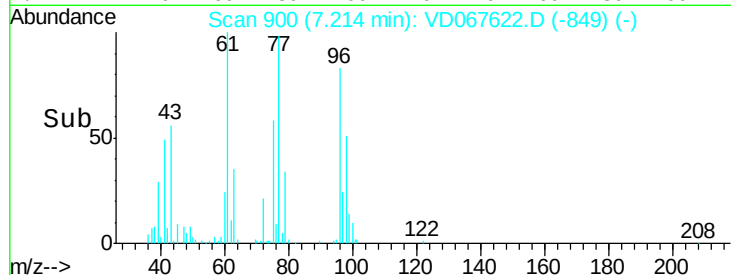
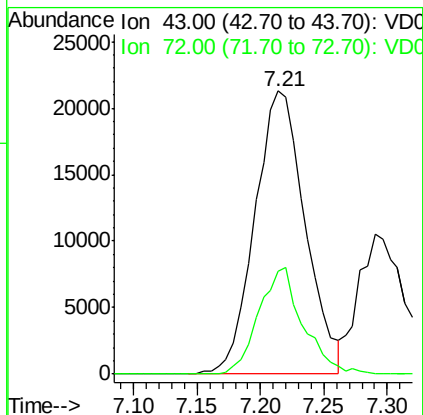
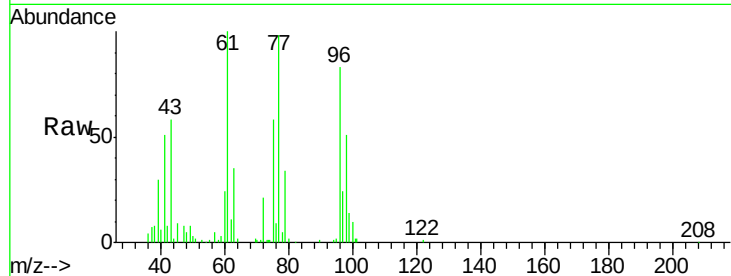
72 36.4 26.4 39.6

Manual Integrations

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MMDadoda

11/16/2020 2:34:48 PM



#26

2,2-Dichloropropane

Concen: 21.017 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067622.D

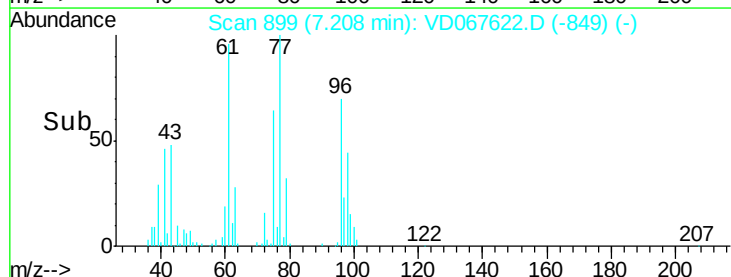
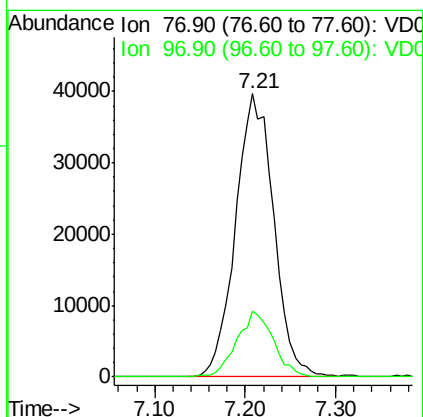
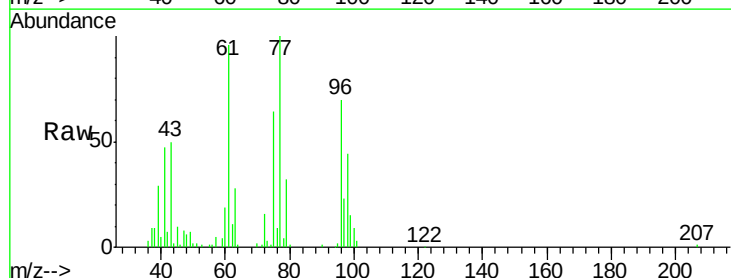
Acq: 12 Nov 2020 14:46

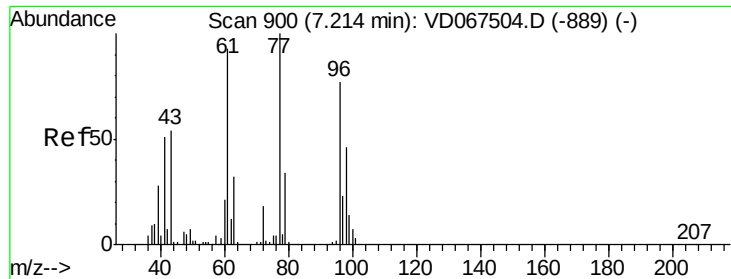
Tgt Ion: 77 Resp: 115923

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.3





#27

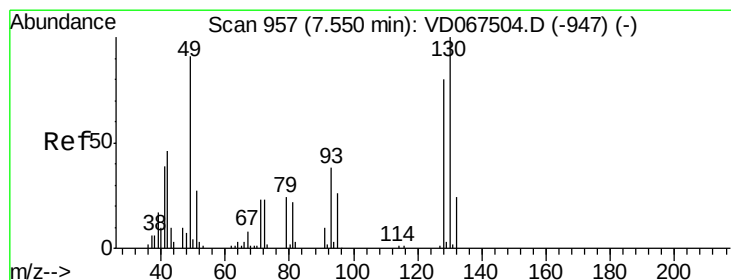
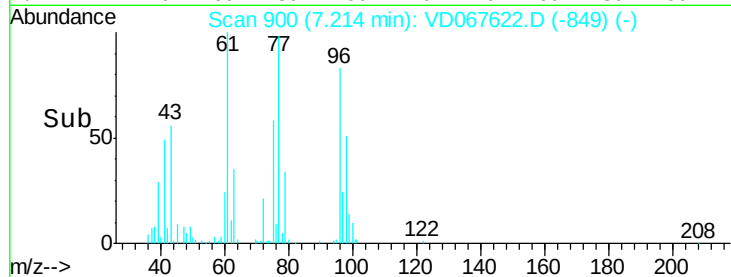
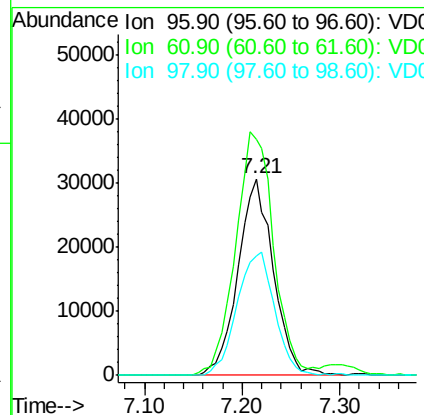
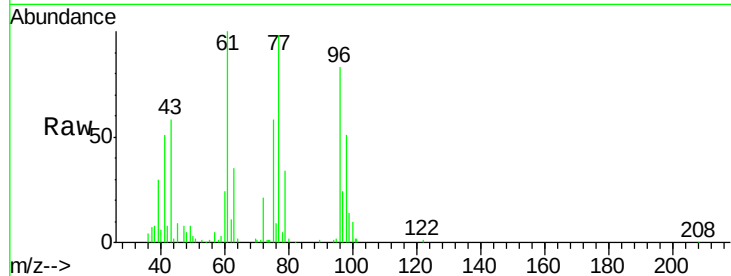
cis-1,2-Dichloroethene
Concen: 20.953 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	251.6
98	66.4	0.0	128.0

Manual Integrations
APPROVED

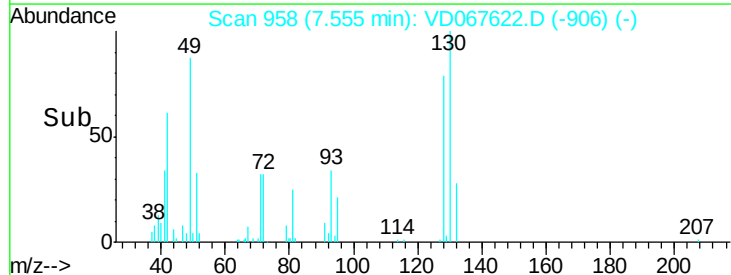
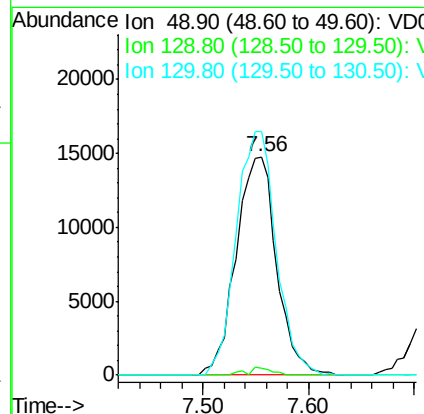
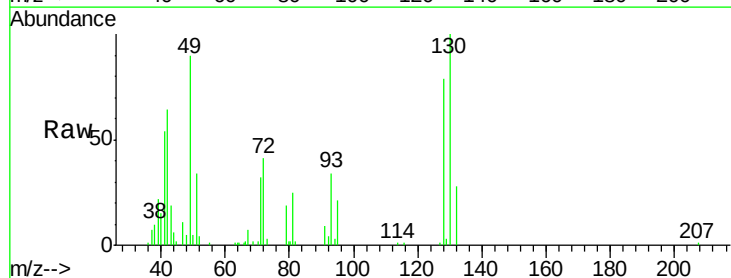
MMDadoda
11/16/2020 2:34:48 PM

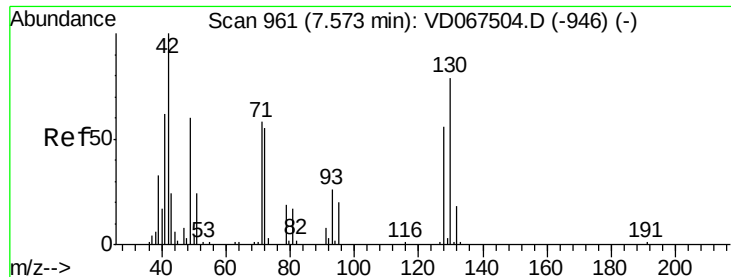


#28

Bromochloromethane
Concen: 21.085 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	6.4
130	110.0	94.6	142.0





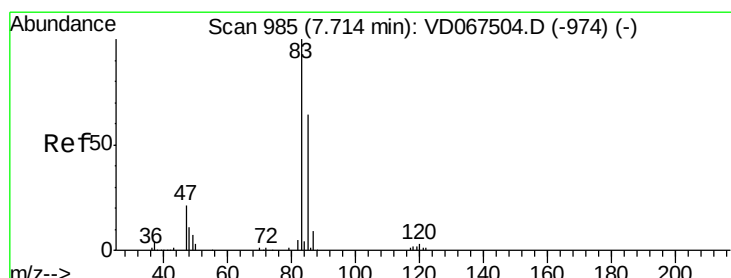
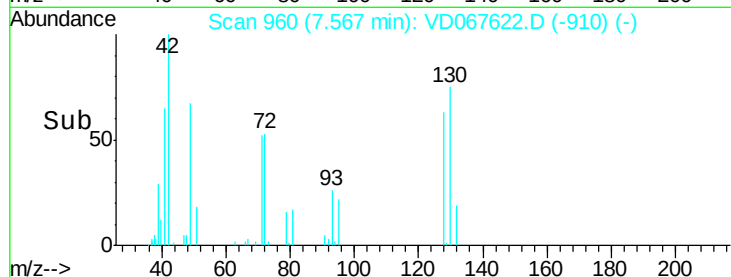
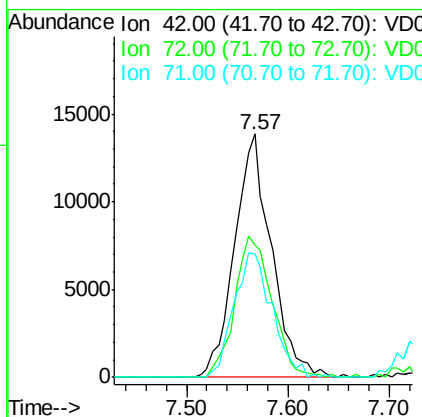
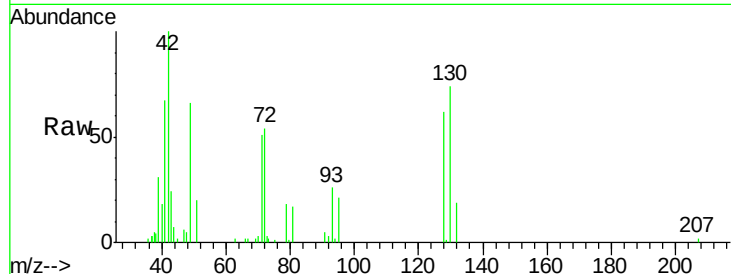
#29
Tetrahydrofuran
Concen: 113.627 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.8	46.3	69.5
71	53.0	44.0	66.0

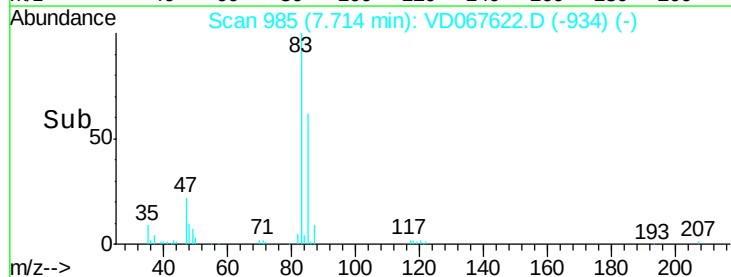
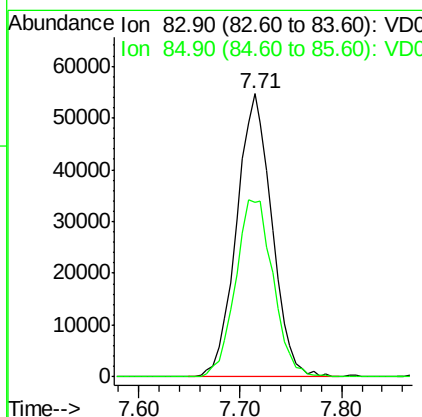
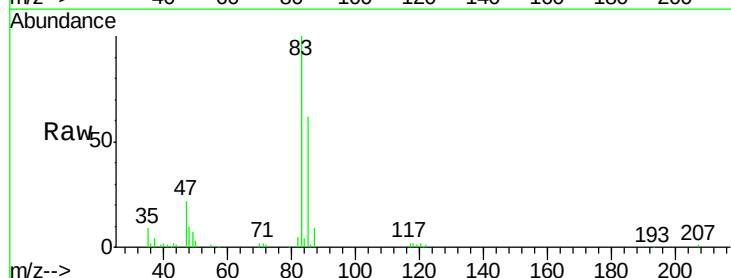
Manual Integrations
APPROVED

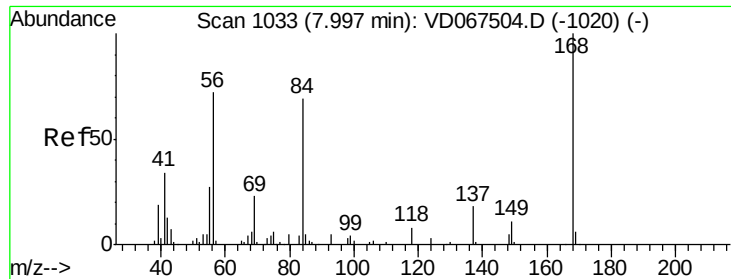
MMDadoda
11/16/2020 2:34:48 PM



#30
Chloroform
Concen: 21.188 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.5	77.3





#31

Cyclohexane

Concen: 24.538 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 56 Resp: 114202

Ion Ratio Lower Upper

56 100

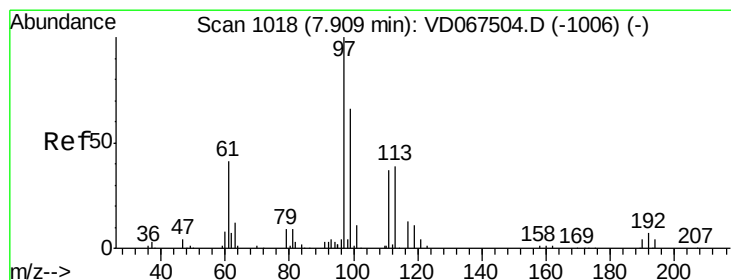
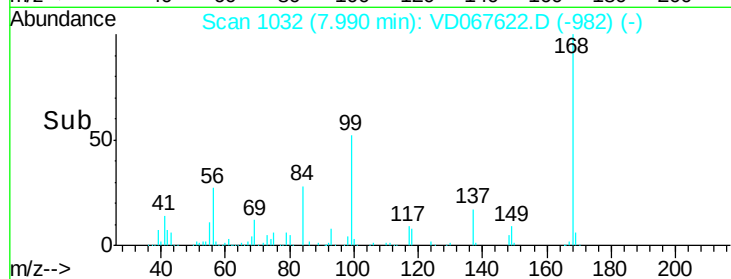
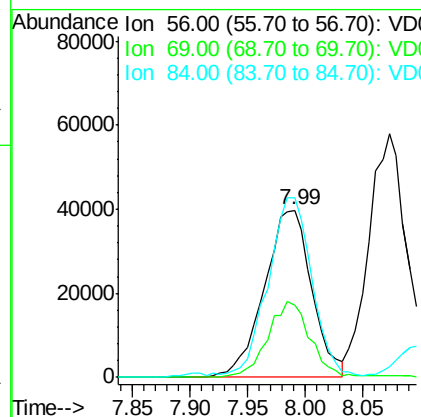
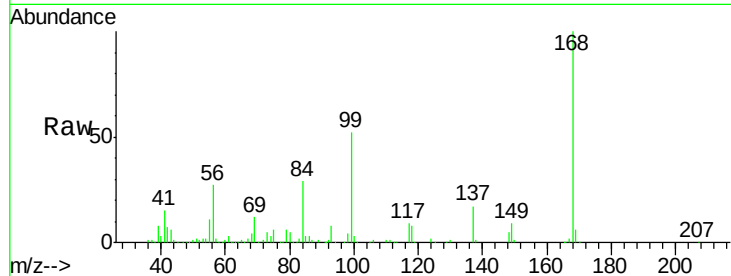
69 42.8 25.9 38.9#

84 104.5 76.2 114.4

Manual Integrations
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11/16/2020 2:34:48 PM



#32

1,1,1-Trichloroethane

Concen: 20.495 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

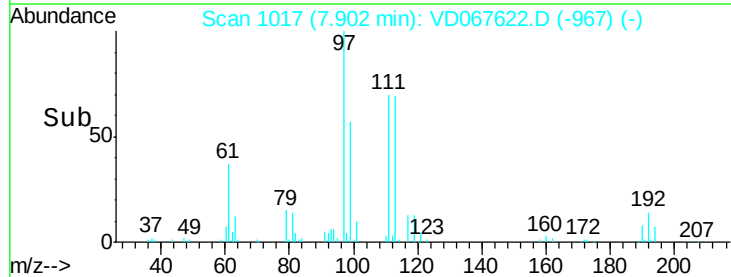
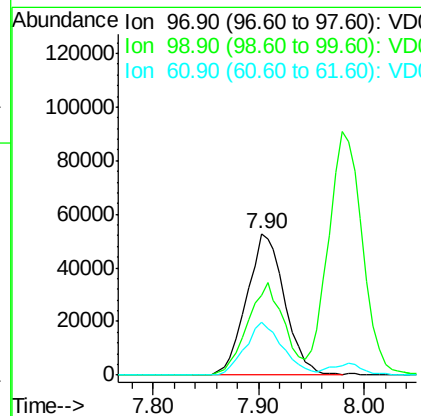
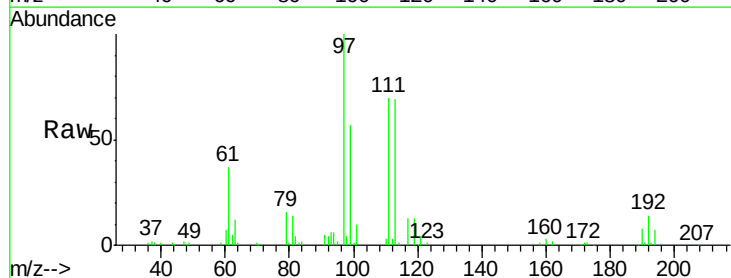
Tgt Ion: 97 Resp: 131847

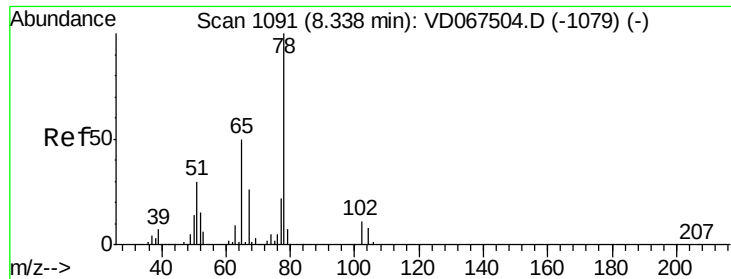
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.6

61 37.0 30.5 45.7





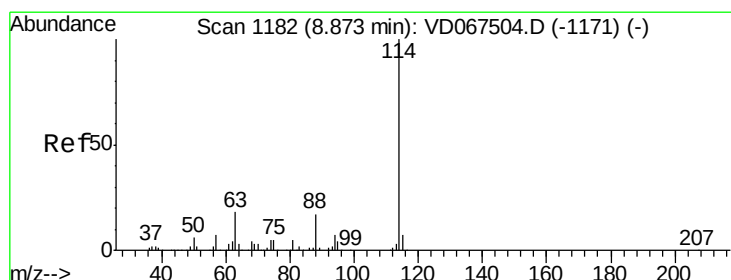
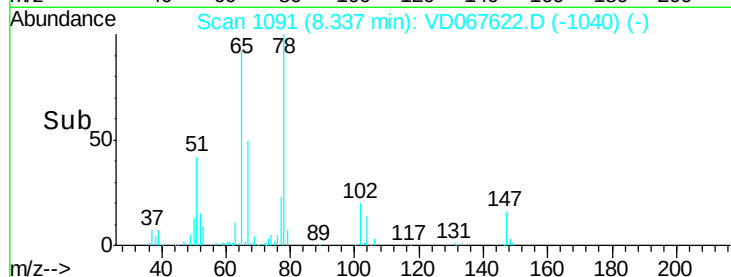
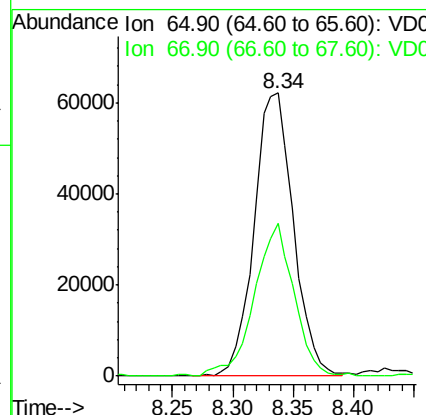
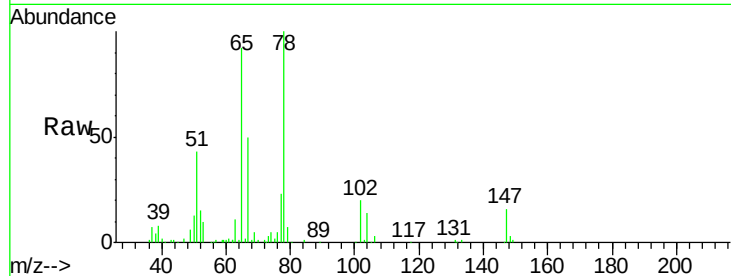
#33
 1,2-Dichloroethane-d4
 Concen: 43.962 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	99.4	

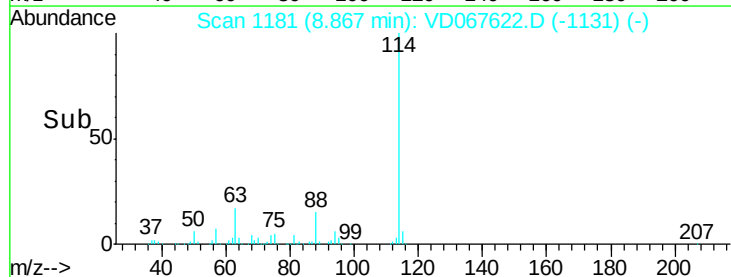
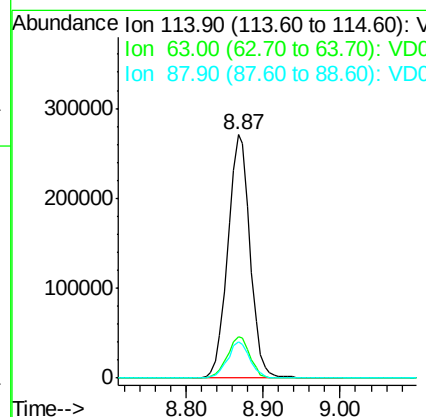
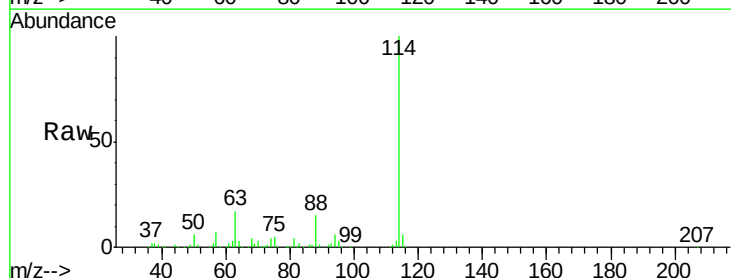
Manual Integrations
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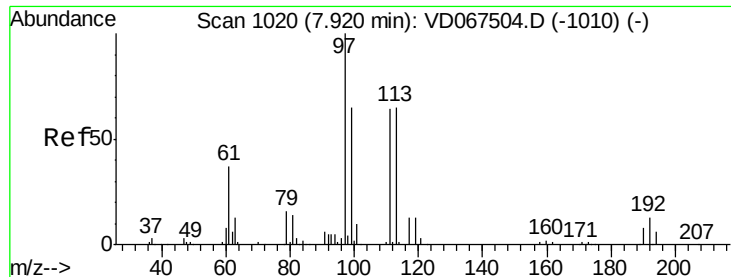
MMDadoda
 11/16/2020 2:34:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.8	0.0	35.0	
88	14.7	0.0	33.0	





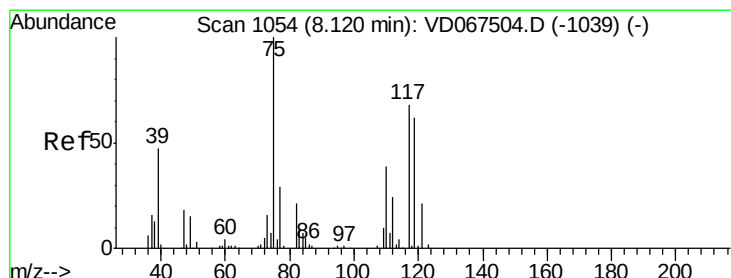
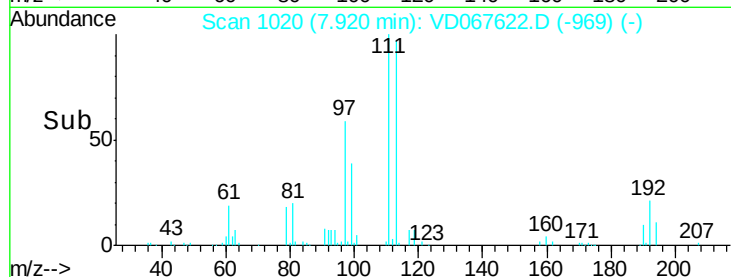
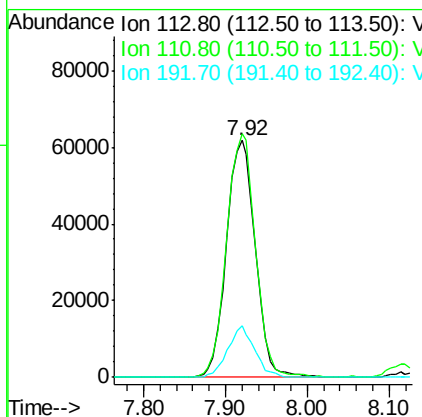
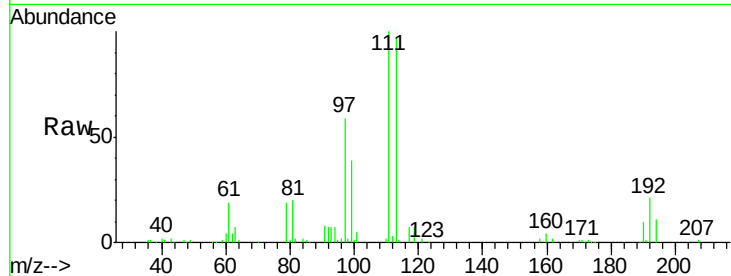
#35
 Dibromofluoromethane
 Concen: 46.477 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.0	120.0
192	20.1	16.3	24.5

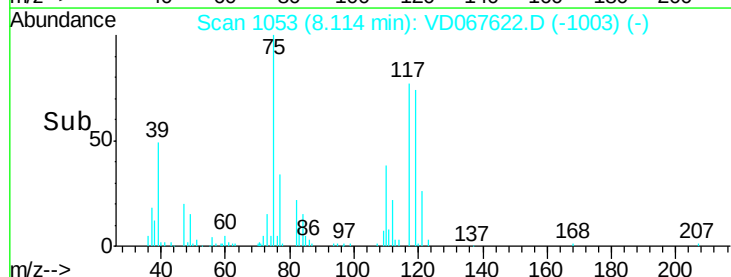
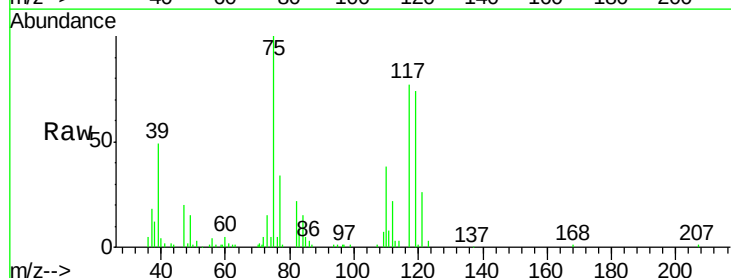
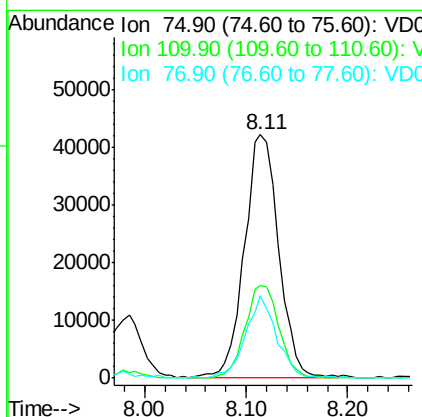
Manual Integrations
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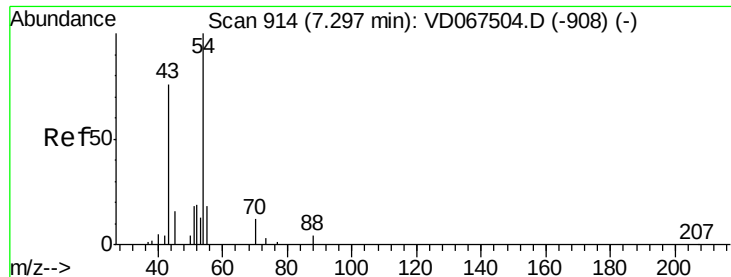
MMDadoda
 11/16/2020 2:34:48 PM



#36
 1,1-Dichloropropene
 Concen: 21.177 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.9	59.7
77	31.0	24.8	37.2





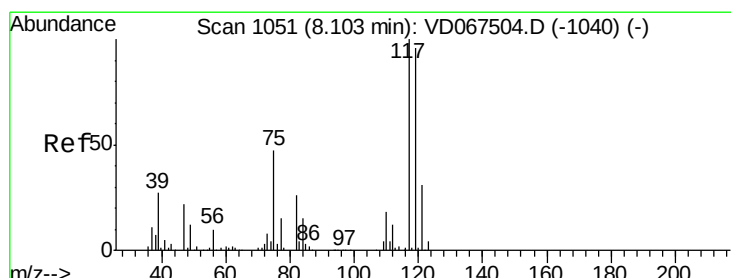
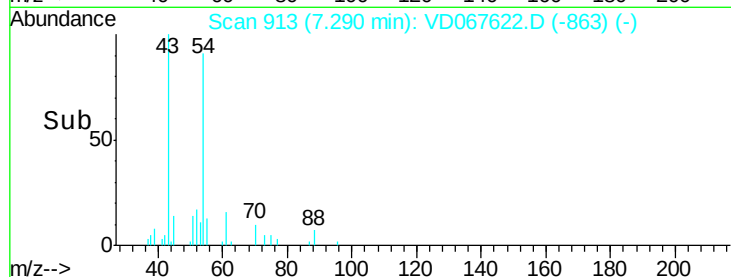
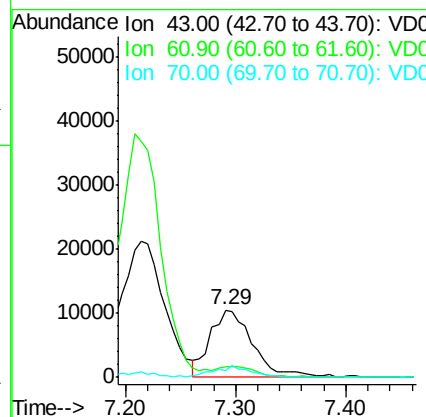
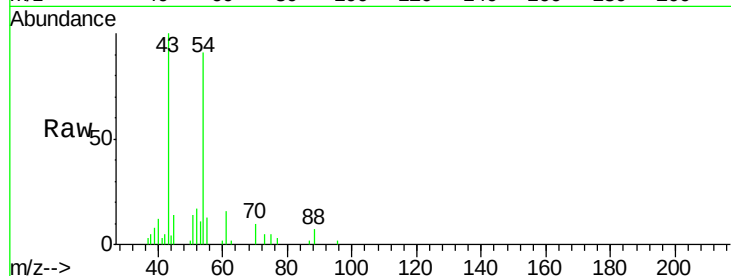
#37
Ethyl Acetate
Concen: 23.165 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.8	19.2
70	14.5	11.7	17.5

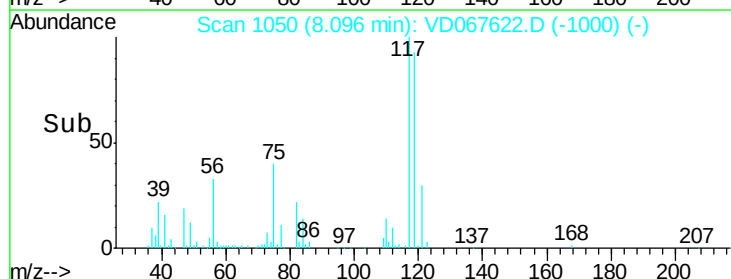
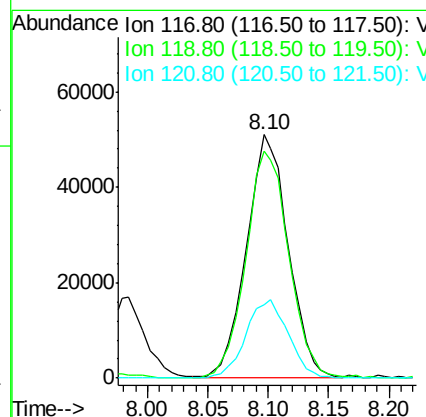
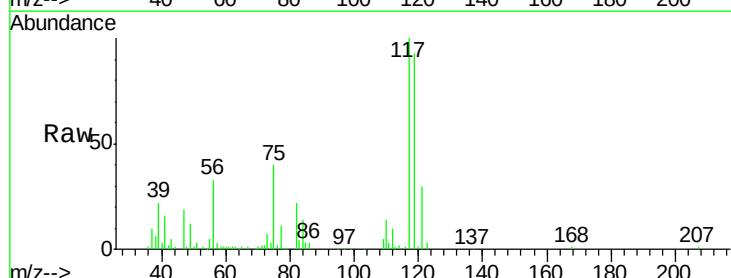
Manual Integrations
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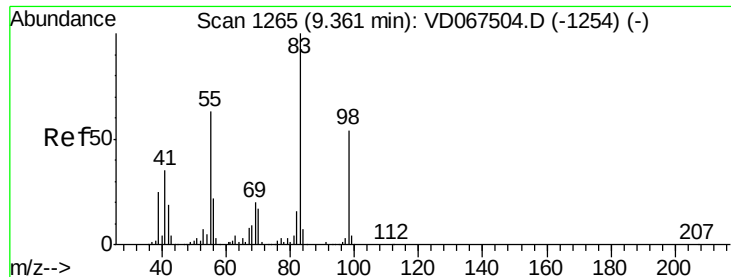
MMDadoda
11/16/2020 2:34:48 PM



#38
Carbon Tetrachloride
Concen: 20.460 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.9	115.3
121	30.0	24.5	36.7





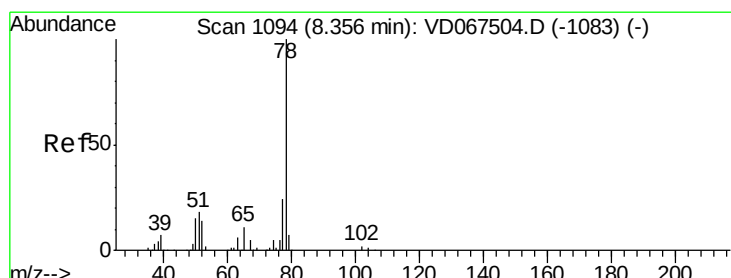
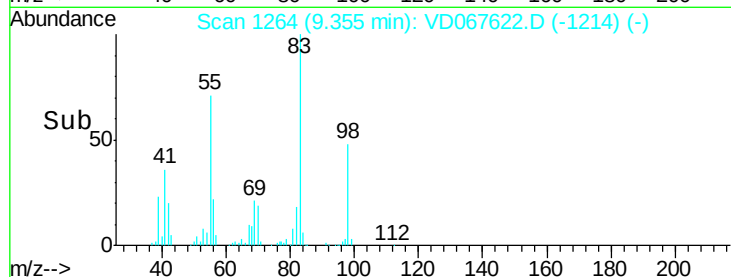
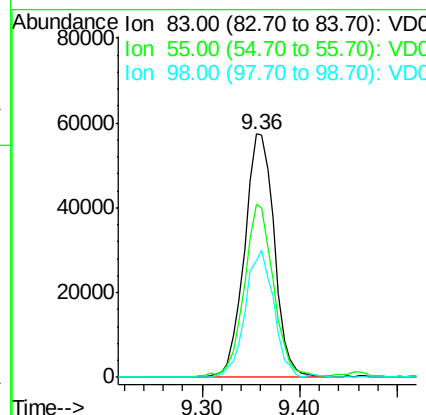
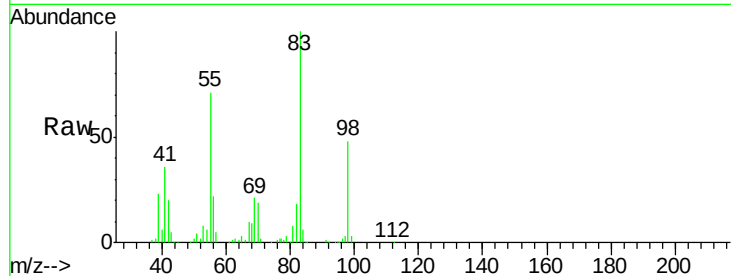
#39
Methylvlcyclohexane
Concen: 22.462 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122741		
55	71.4		50.5	75.7
98	48.0		43.4	65.0

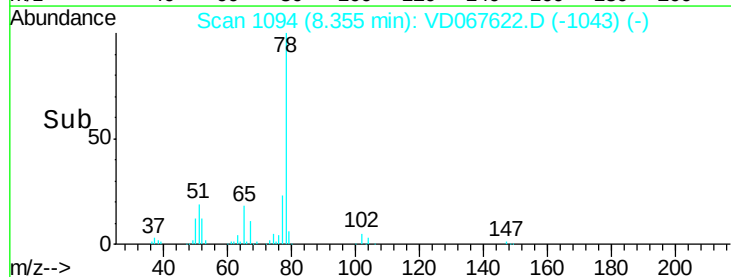
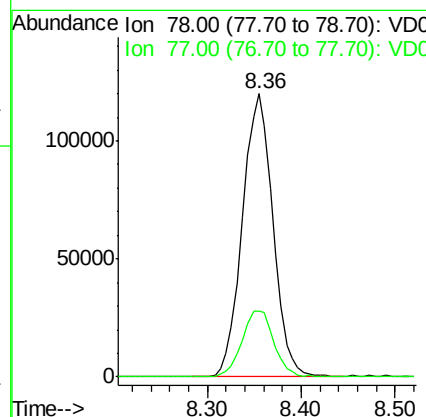
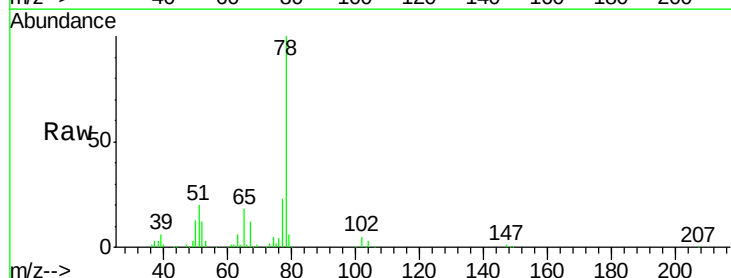
Manual Integrations
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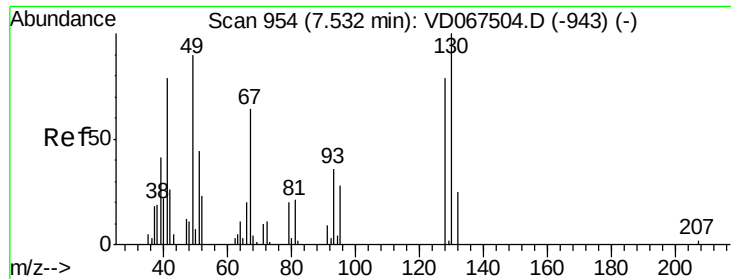
MMDadoda
11/16/2020 2:34:48 PM



#40
Benzene
Concen: 21.524 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	270690		
77	23.1		19.1	28.7





#41

Methacrylonitrile

Concen: 20.149 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 41 Resp: 14517

Ion Ratio Lower Upper

41 100

39 62.4 51.3 76.9

67 97.0 78.9 118.3

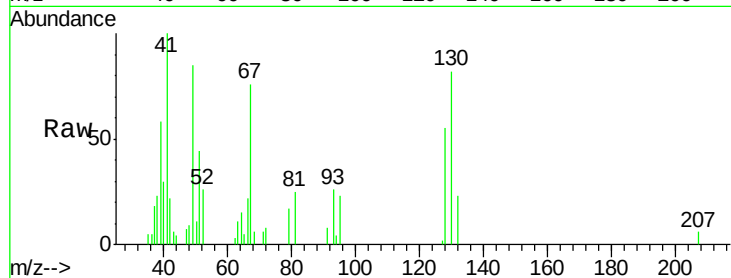
52 41.2 31.4 47.2

Manual Integrations

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MMDadoda

11/16/2020 2:34:48 PM

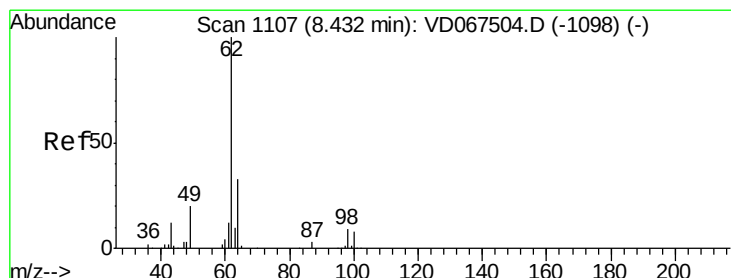
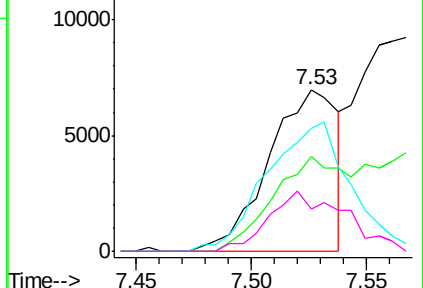
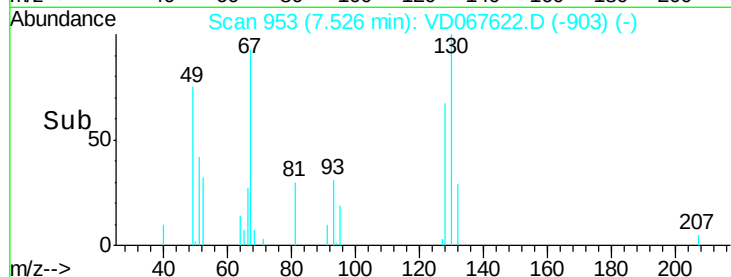


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.663 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067622.D

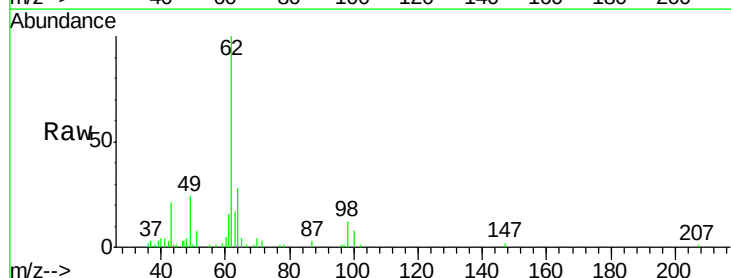
Acq: 12 Nov 2020 14:46

Tgt Ion: 62 Resp: 76403

Ion Ratio Lower Upper

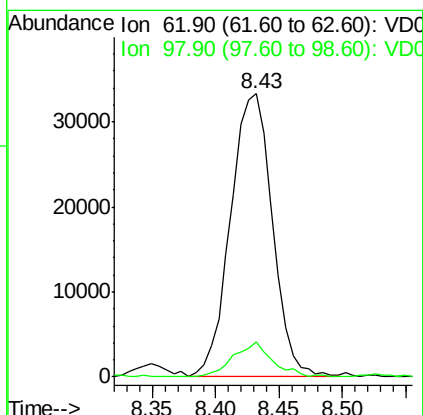
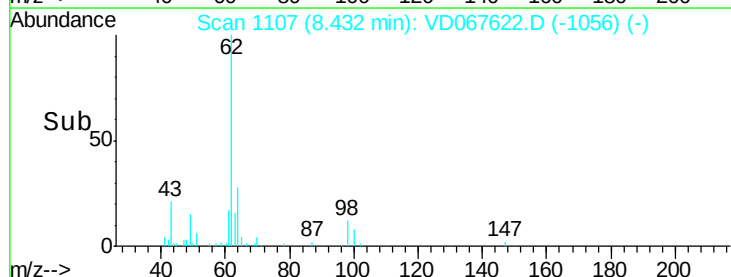
62 100

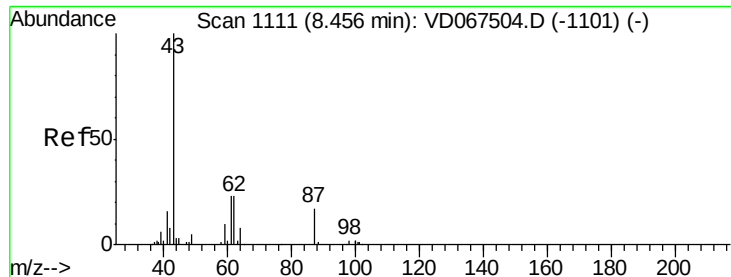
98 11.5 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





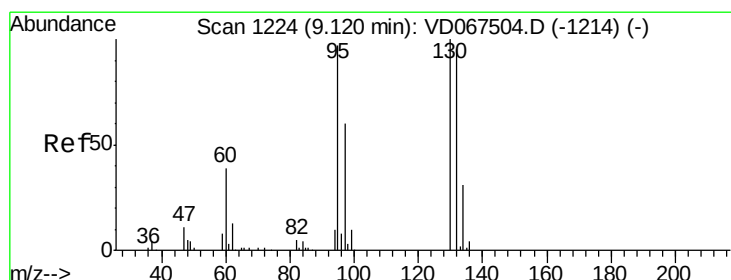
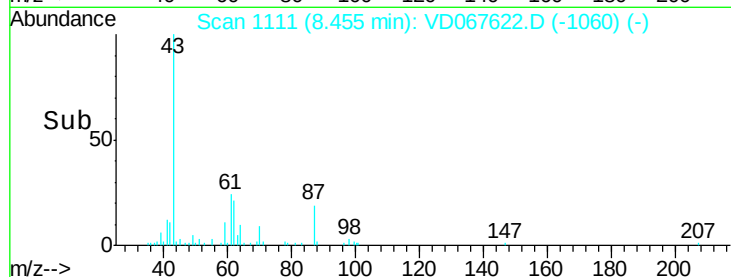
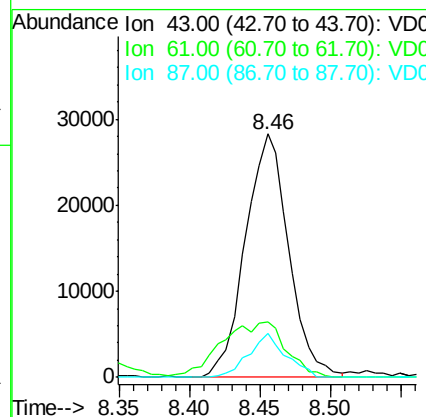
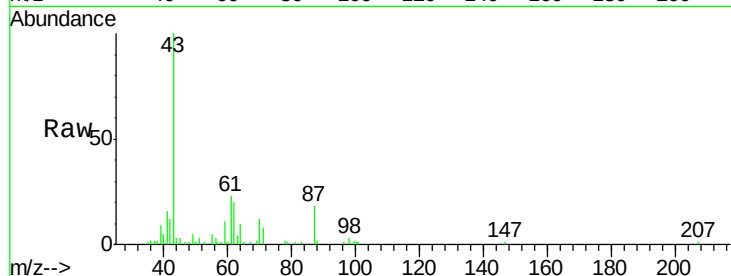
#43
Isopropyl Acetate
Concen: 25.514 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.8	30.5	45.7
87	15.6	14.7	22.1

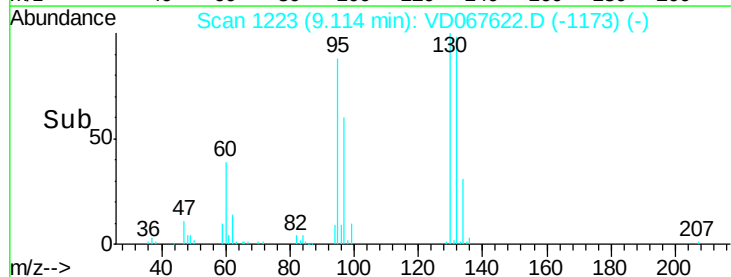
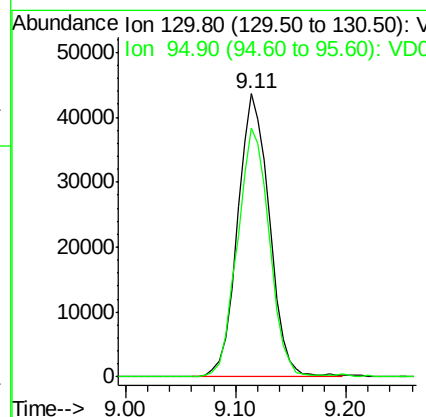
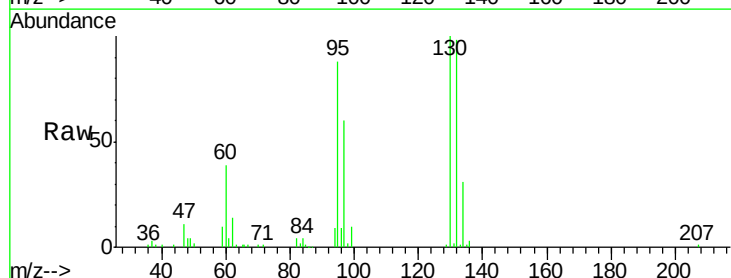
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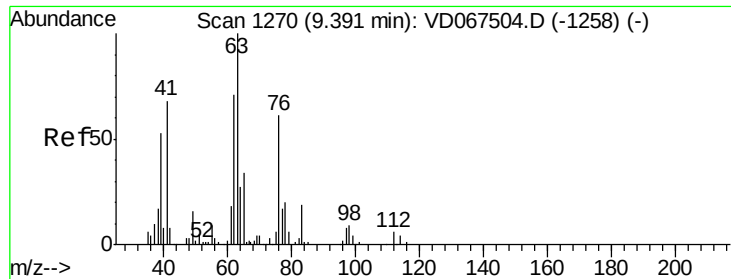
MMDadoda
11/16/2020 2:34:48 PM



#44
Trichloroethene
Concen: 21.328 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	194.4





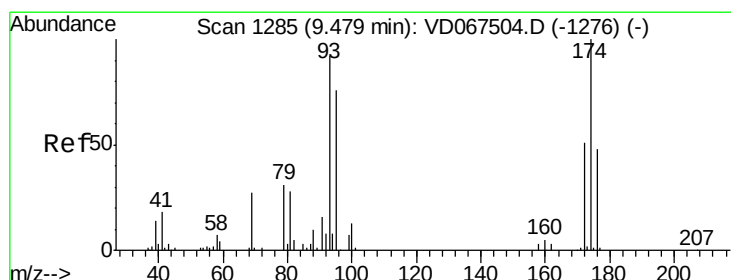
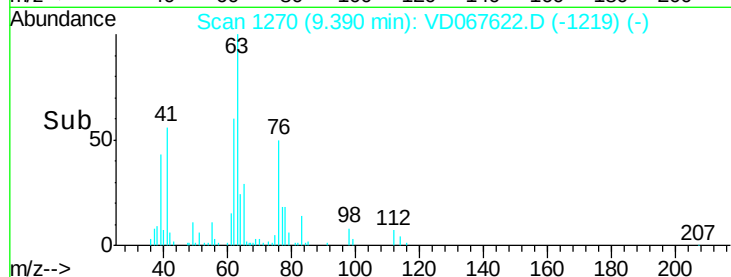
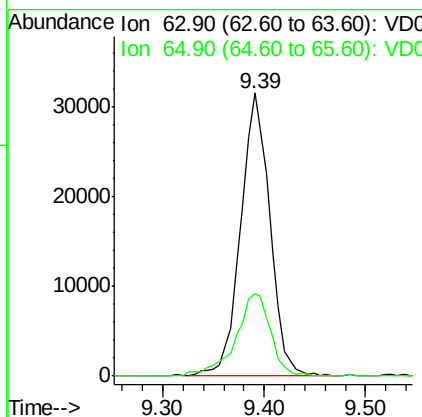
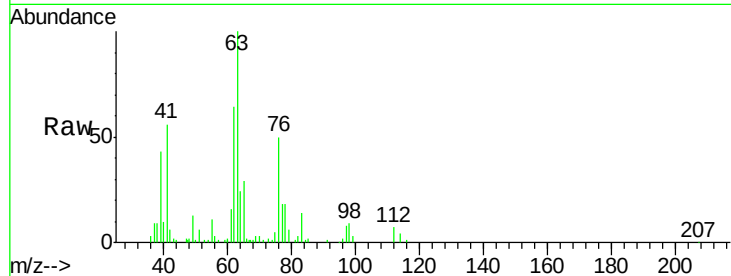
#45
 1,2-Dichloropropane
 Concen: 23.228 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion: 63 Resp: 63157
 Ion Ratio Lower Upper
 63 100
 65 29.1 26.9 40.3

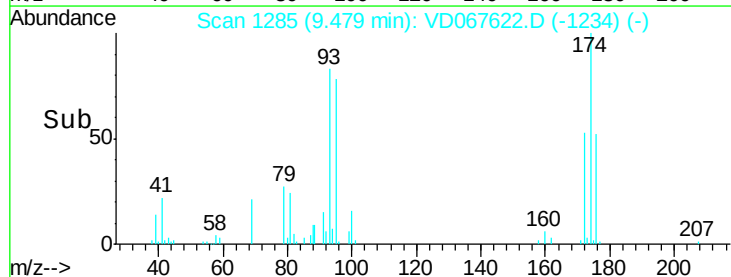
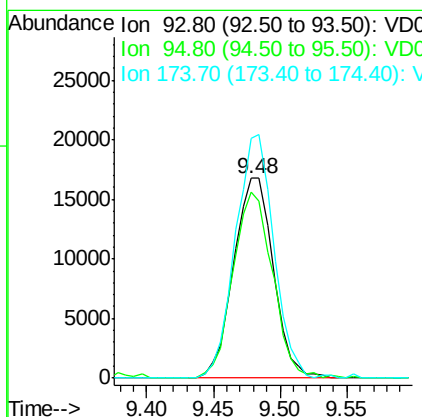
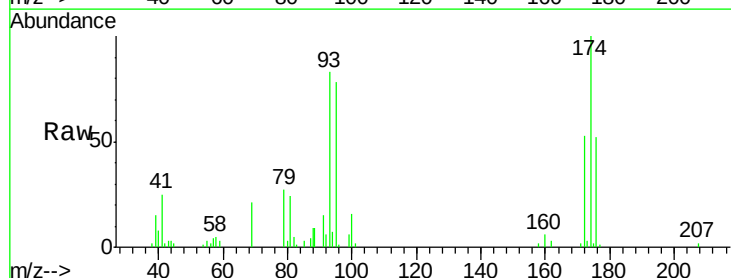
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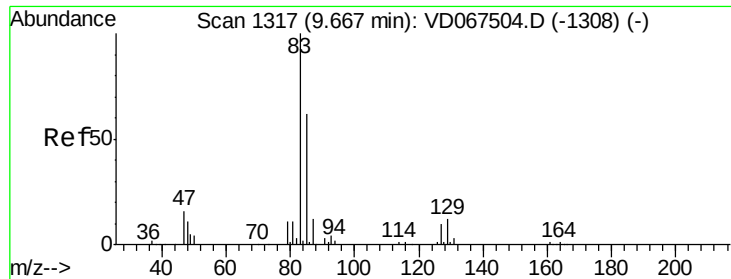
MMDadoda
 11/16/2020 2:34:48 PM



#46
 Dibromomethane
 Concen: 20.096 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 93 Resp: 34742
 Ion Ratio Lower Upper
 93 100
 95 92.7 66.4 99.6
 174 116.9 88.2 132.4





#47

Bromodichloromethane

Concen: 21.029 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

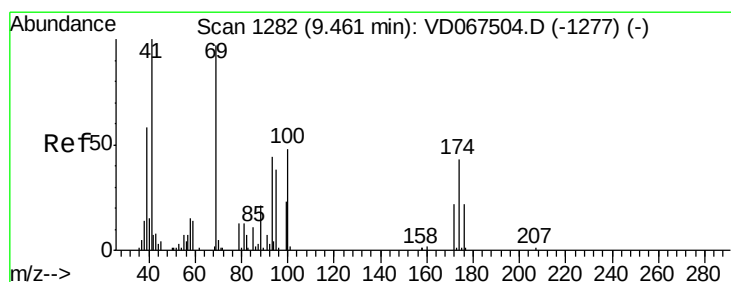
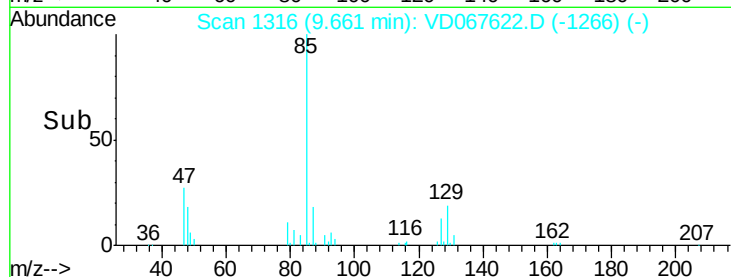
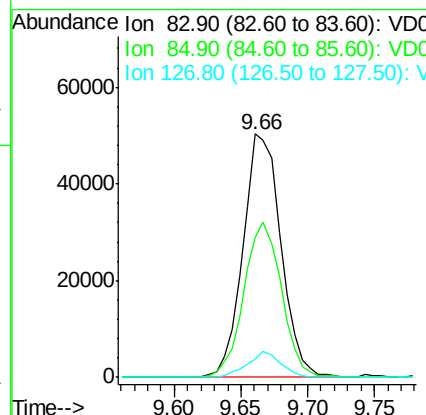
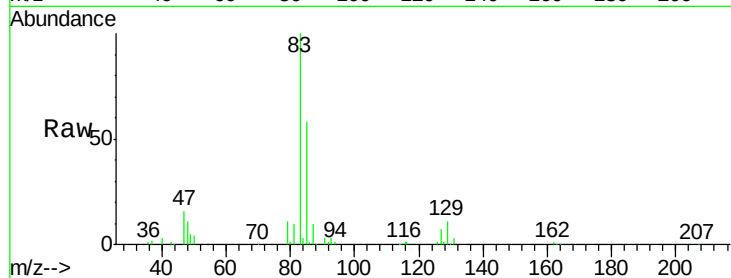
ClientSampleId :

VD1112SBS02

Tot Ion:	83	Resp:	98815
Ion Ratio	Lower	Upper	
83	100		
85	57.2	49.4	74.2
127	7.3	7.7	11.5#

Manual Integrations
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MMDadoda
11/16/2020 2:34:48 PM



#48

Methyl methacrylate

Concen: 23.230 ug/l

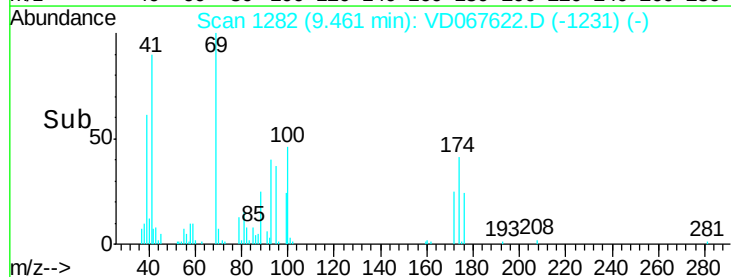
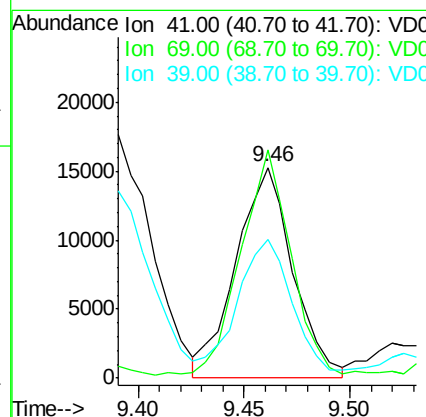
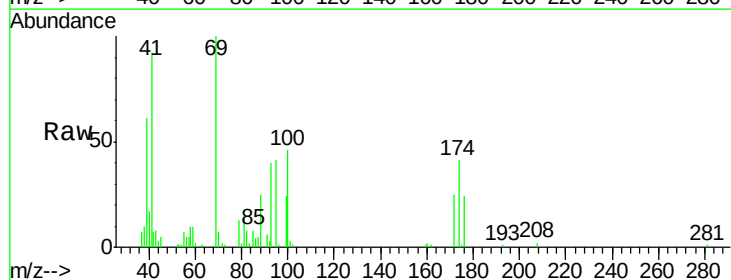
RT: 9.46 min Scan# 1282

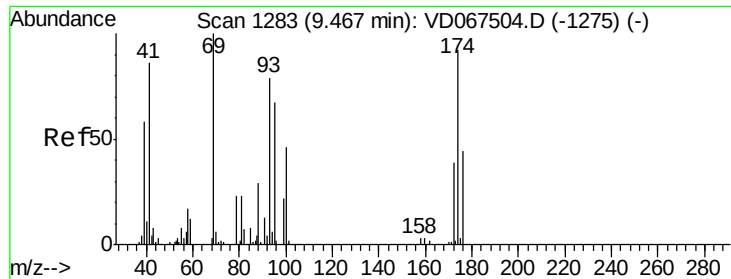
Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Tgt Ion:	41	Resp:	28591
Ion Ratio	Lower	Upper	
41	100		
69	97.8	80.6	121.0
39	57.2	50.2	75.4





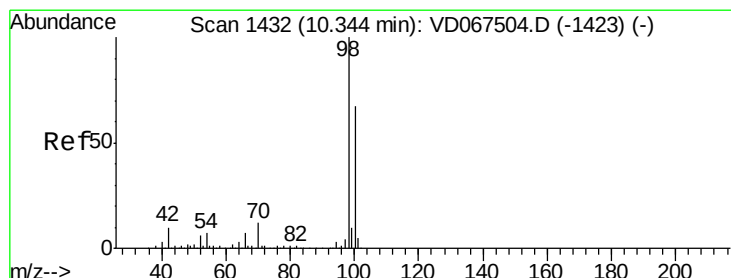
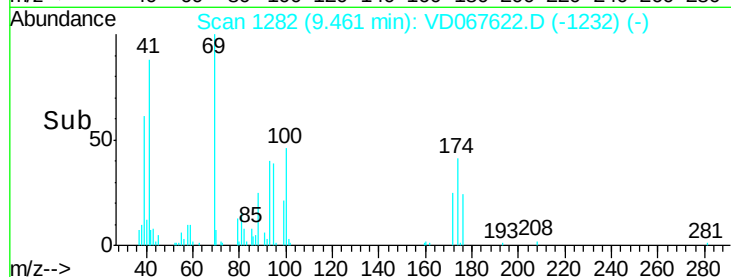
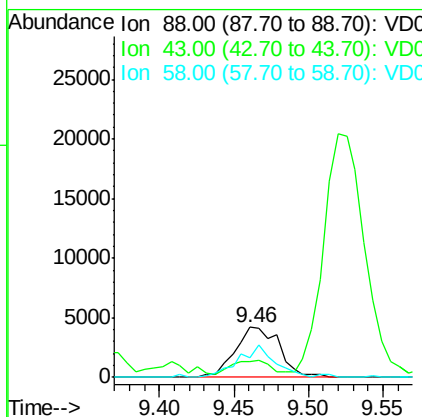
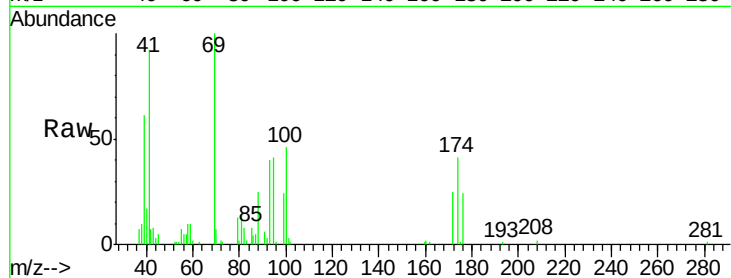
#49
1,4-Dioxane
Concen: 491.782 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	88	Resp	8631
Ion	Ratio	Lower	Upper
88	100		
43	32.3	23.6	35.4
58	52.7	44.7	67.1

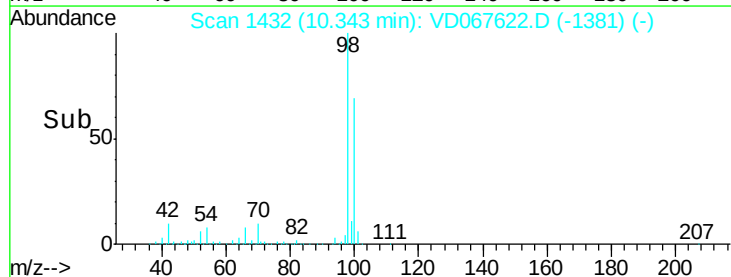
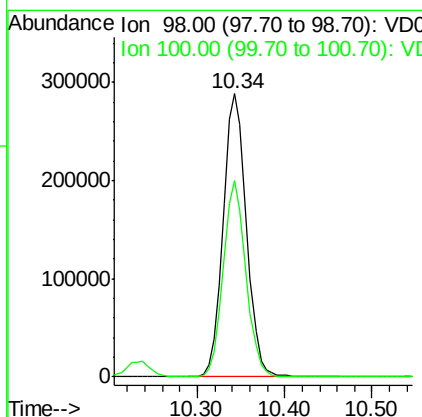
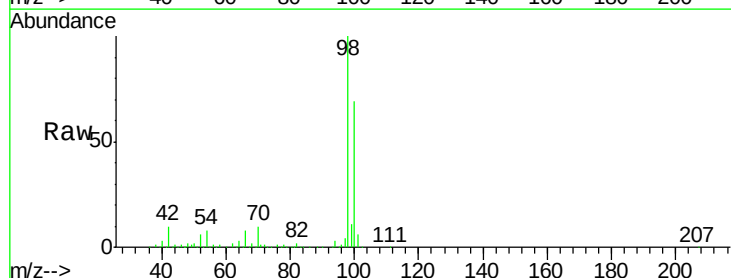
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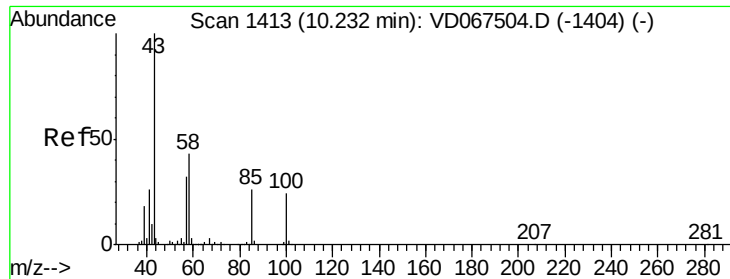
MMDadoda
11/16/2020 2:34:48 PM



#50
Toluene-d8
Concen: 45.963 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	98	Resp	527830
Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.6





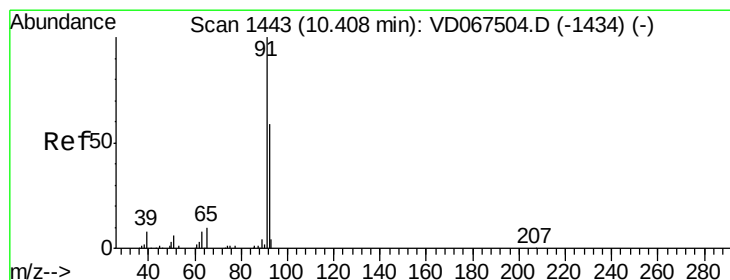
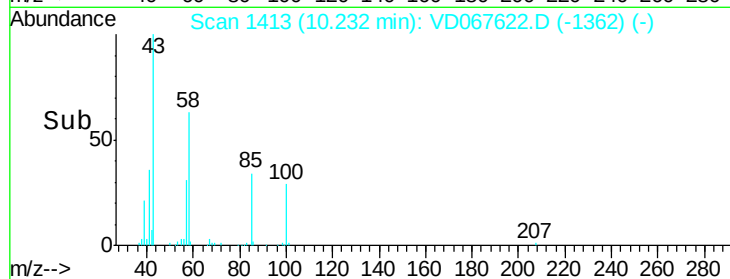
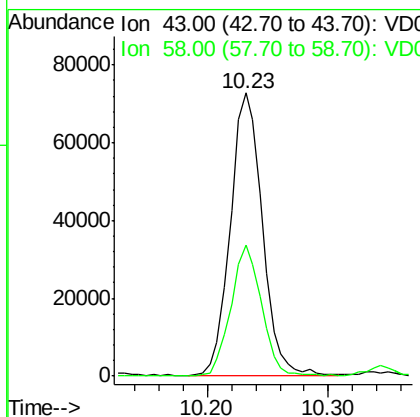
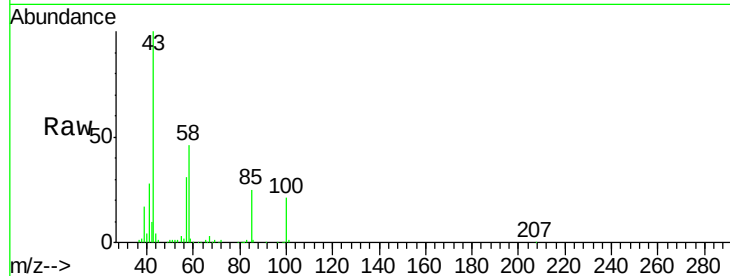
#51
4-Methyl-2-Pentanone
Concen: 118.505 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion: 43 Resp: 135101
Ion Ratio Lower Upper
43 100
58 44.2 35.6 53.4

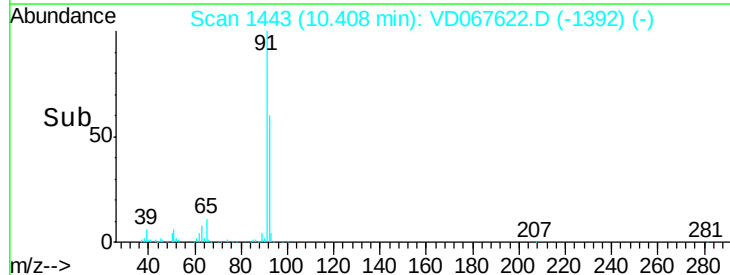
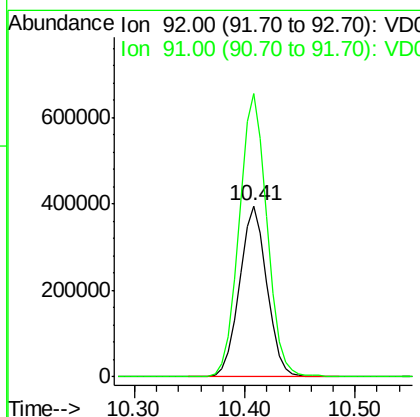
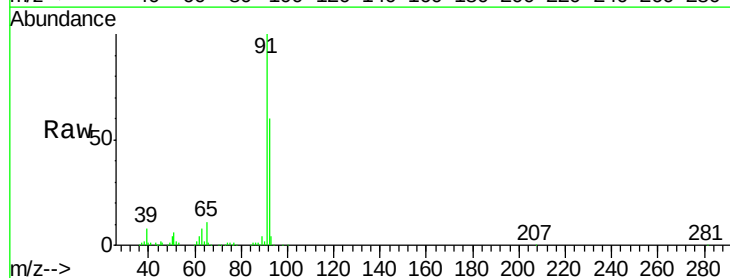
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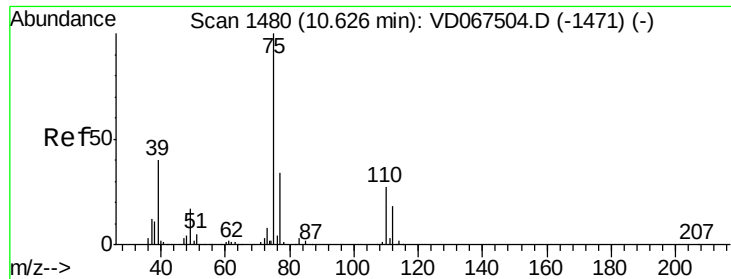
MMDadoda
11/16/2020 2:34:48 PM



#52
Toluene
Concen: 82.144 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 92 Resp: 691927
Ion Ratio Lower Upper
92 100
91 168.4 137.0 205.6





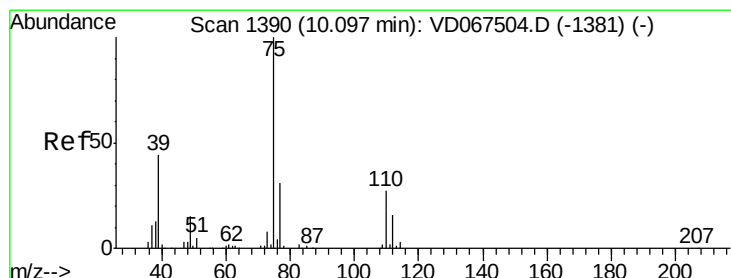
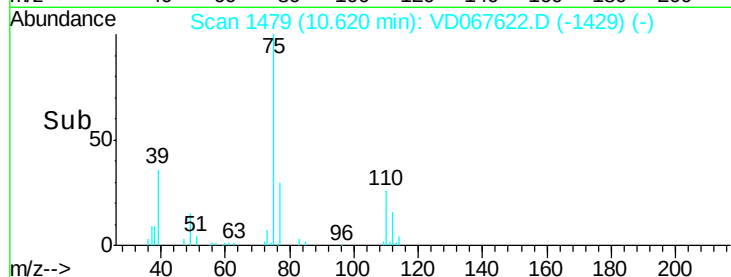
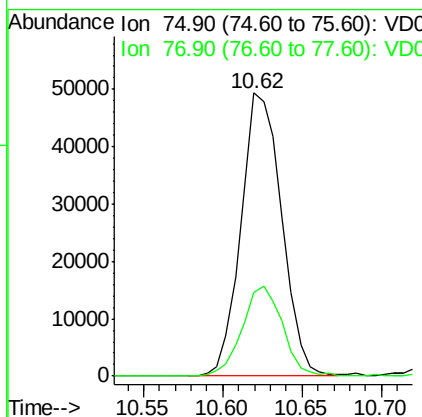
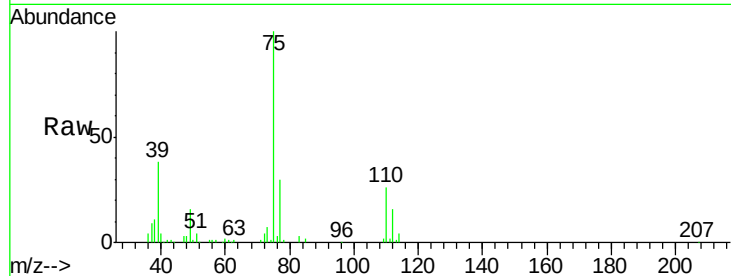
#53
t-1,3-Dichloropropene
Concen: 21.898 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	75	Resp	88129
Ion Ratio	Lower	Upper	
75	100		
77	29.5	27.0	40.6

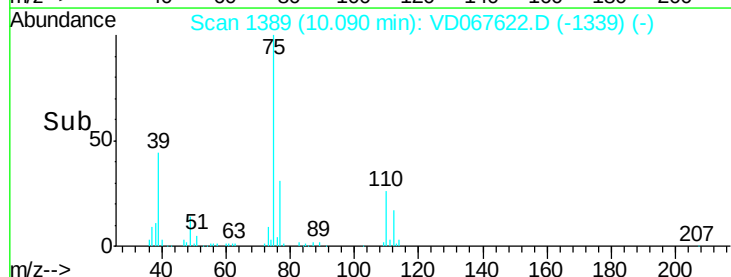
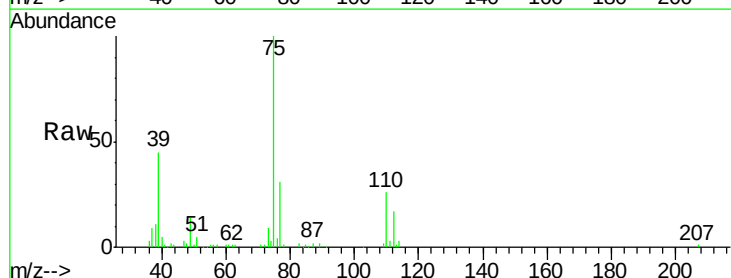
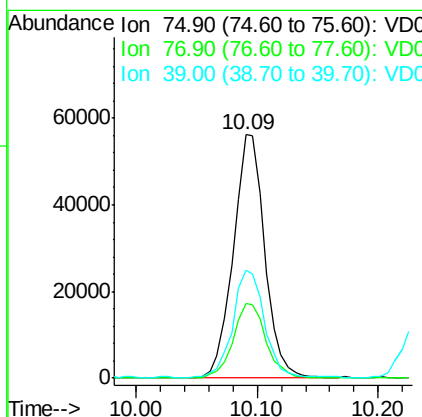
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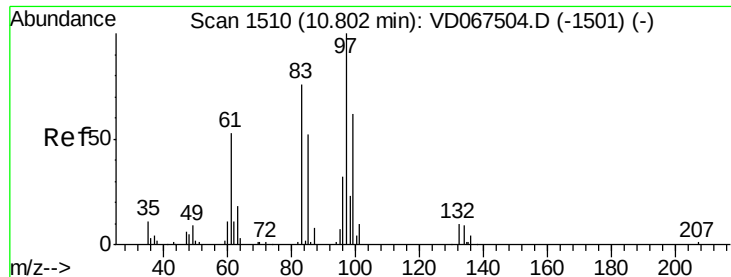
MMDadoda
11/16/2020 2:34:48 PM



#54
cis-1,3-Dichloropropene
Concen: 21.356 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	75	Resp	102115
Ion Ratio	Lower	Upper	
75	100		
77	30.6	24.4	36.6
39	44.1	35.6	53.4





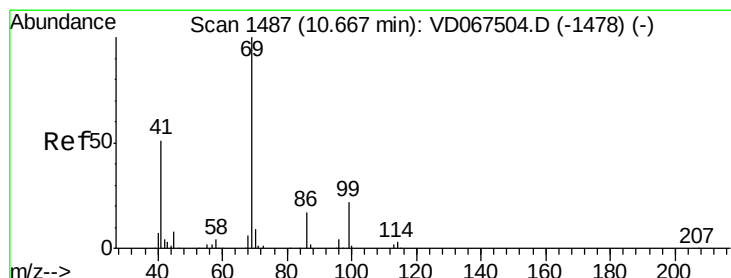
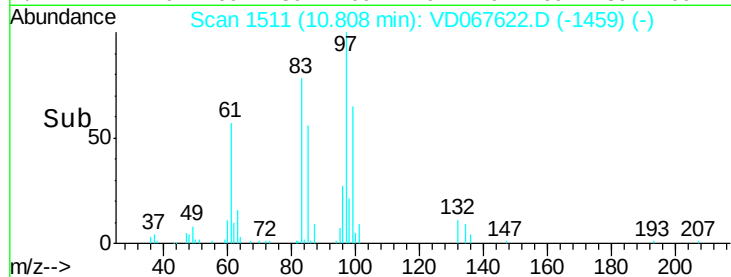
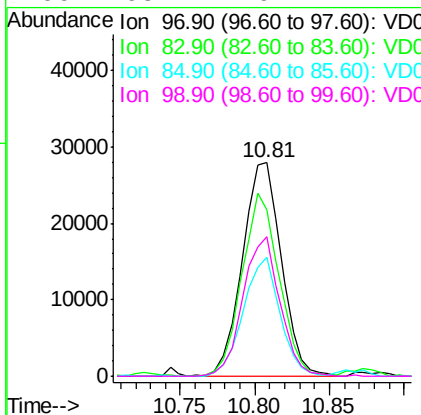
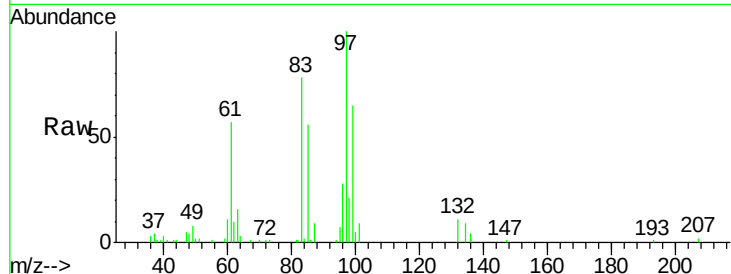
#55
 1,1,2-Trichloroethane
 Concen: 22.011 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion:	97	Resp:	50348
Ion	Ratio	Lower	Upper
97	100		
83	77.9	61.0	91.6
85	55.7	41.5	62.3
99	65.1	49.4	74.2

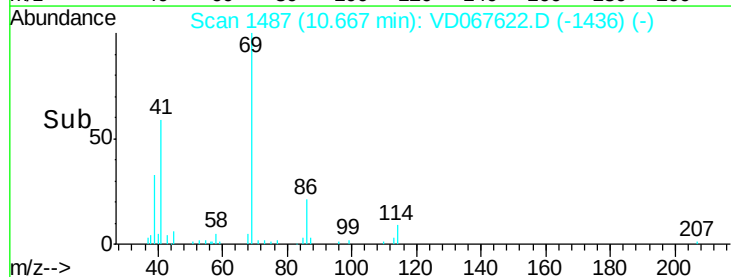
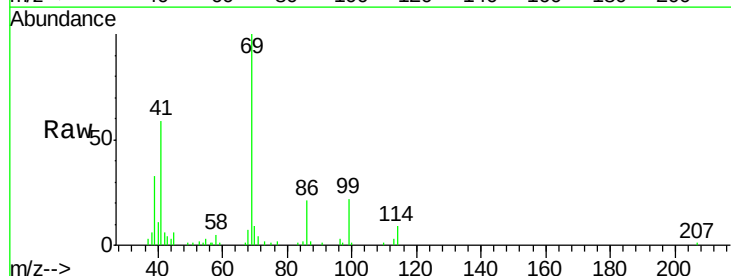
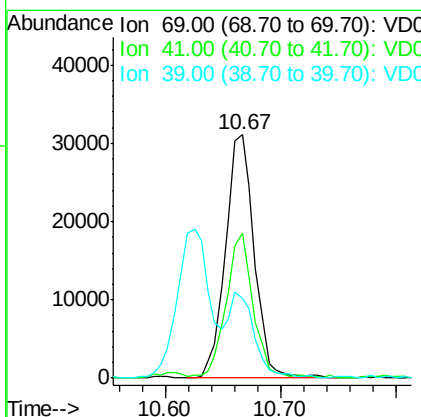
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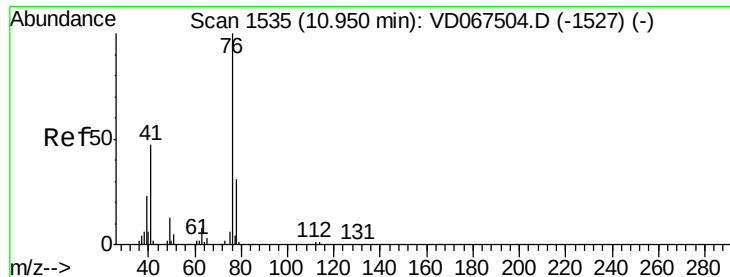
MMDadoda
 11/16/2020 2:34:48 PM



#56
 Ethyl methacrylate
 Concen: 22.640 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion:	69	Resp:	53478
Ion	Ratio	Lower	Upper
69	100		
41	56.7	45.4	68.0
39	31.9	27.4	41.0





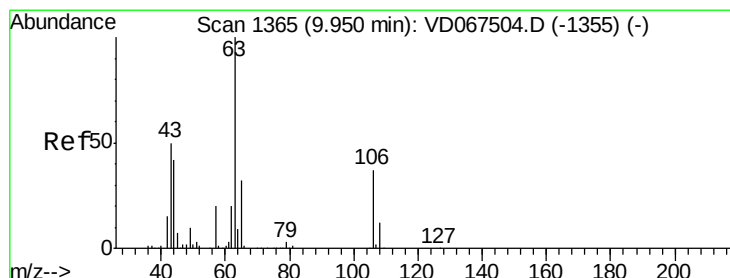
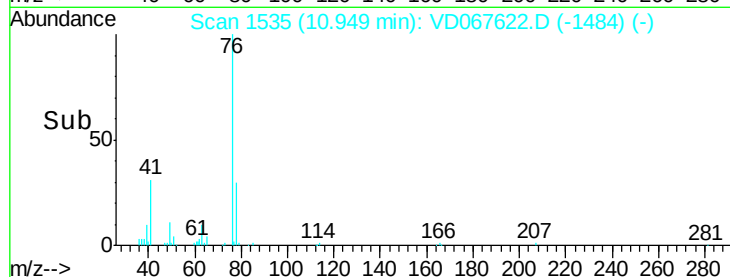
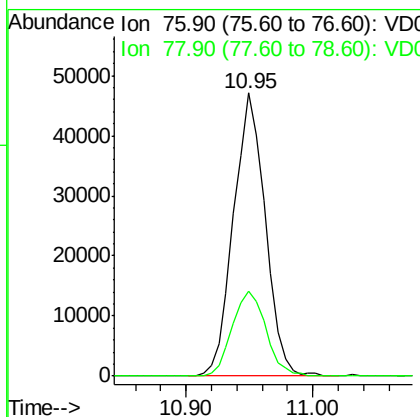
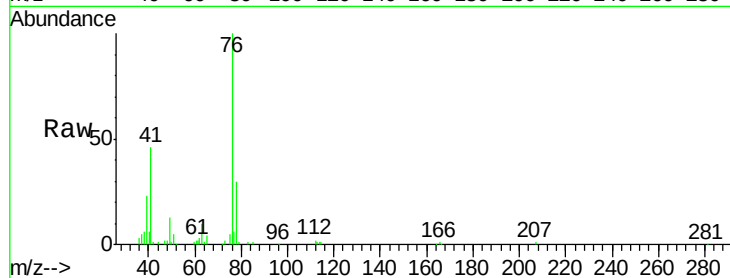
#57
 1,3-Dichloropropane
 Concen: 22.184 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

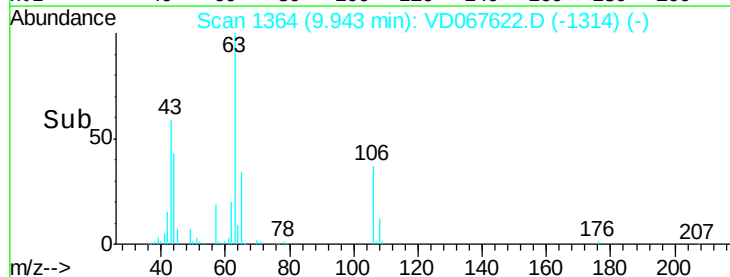
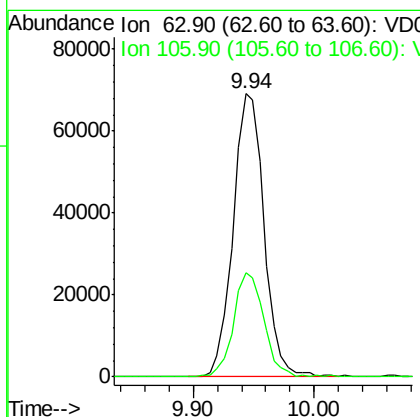
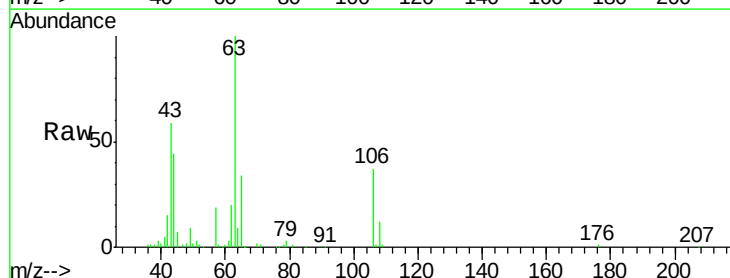
Manual Integrations
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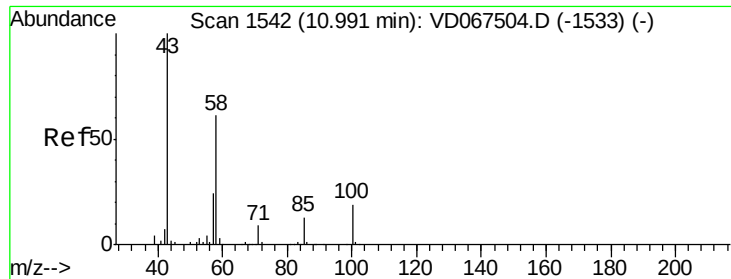
MMDadoda
 11/16/2020 2:34:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.891 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	36.4	29.2	43.8





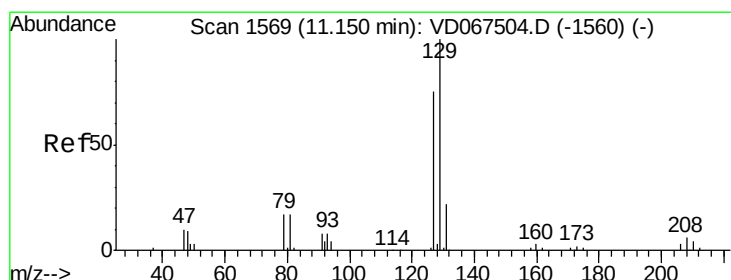
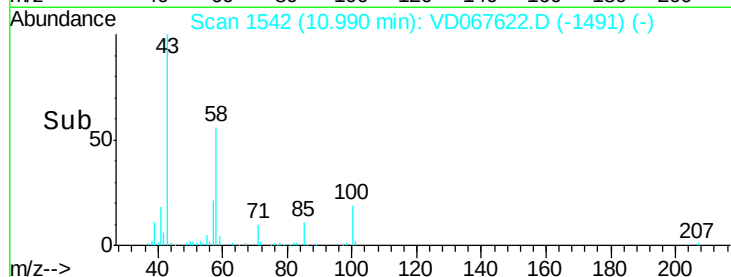
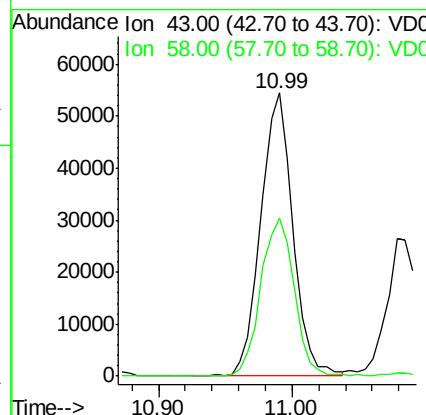
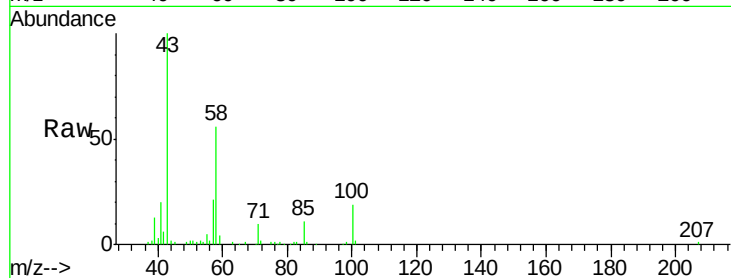
#59
2-Hexanone
Concen: 113.511 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion: 43 Resp: 90482
Ion Ratio Lower Upper
43 100
58 58.4 30.3 90.9

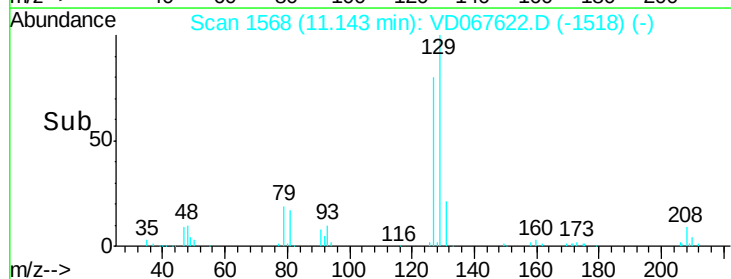
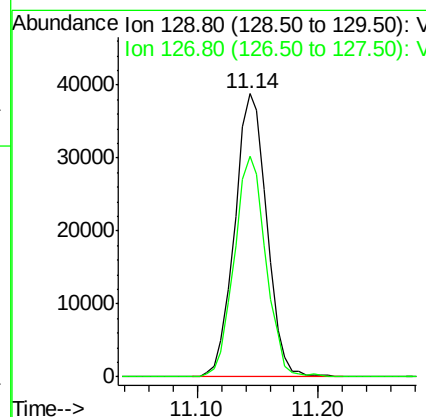
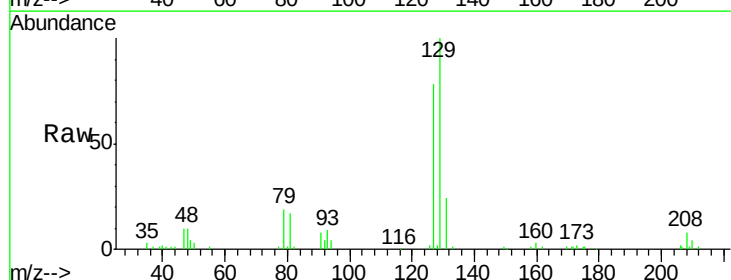
Manual Integrations
APPROVED

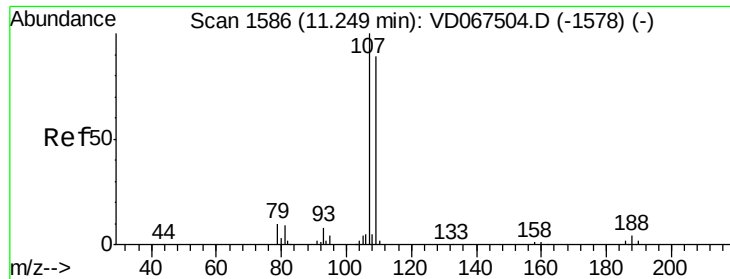
MMDadoda
11/16/2020 2:34:48 PM



#60
Dibromochloromethane
Concen: 21.205 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 129 Resp: 71751
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.1





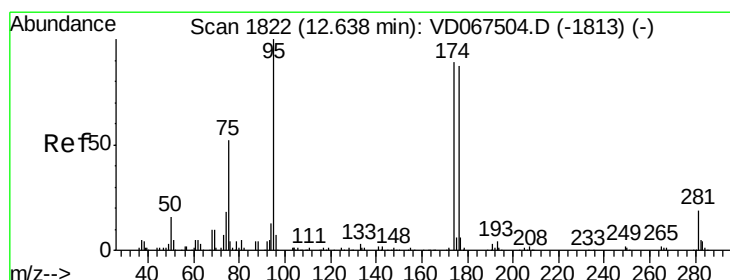
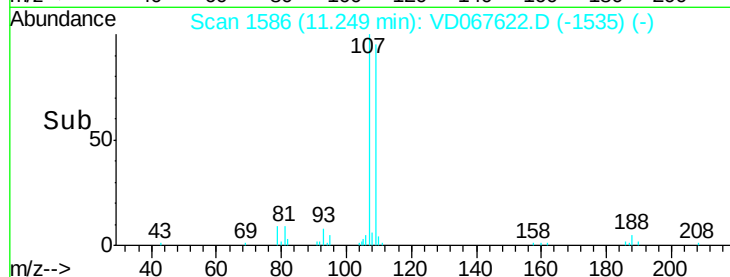
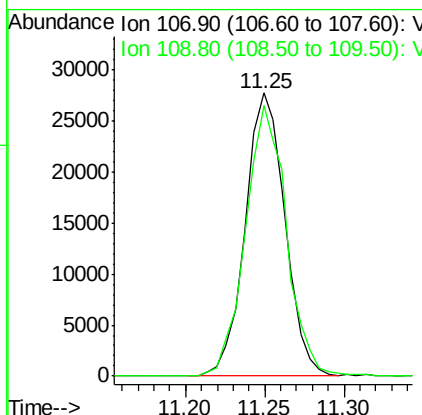
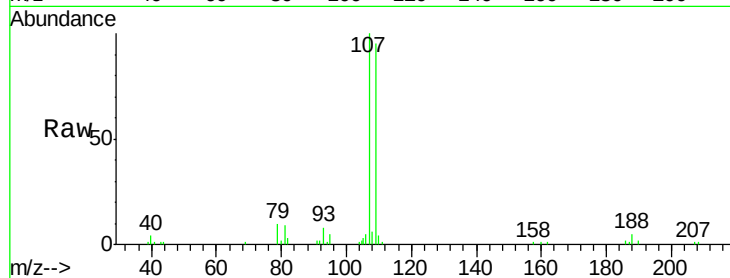
#61
 1,2-Dibromoethane
 Concen: 21.104 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion: 107 Resp: 48450
 Ion Ratio Lower Upper
 107 100
 109 98.7 74.6 111.8

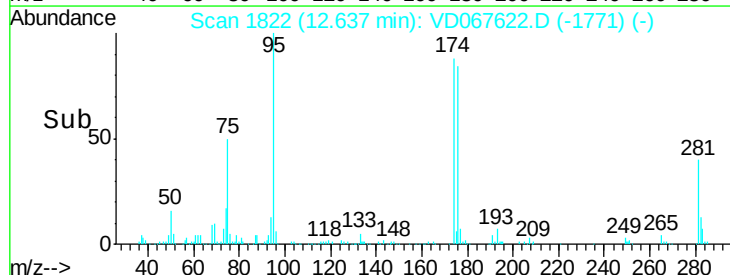
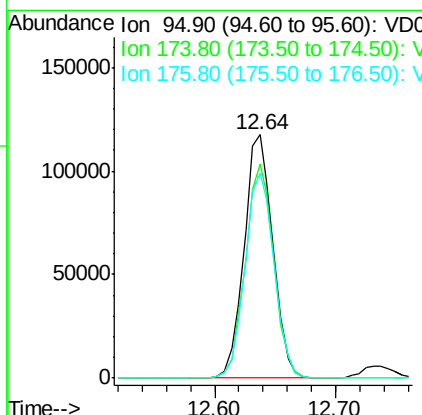
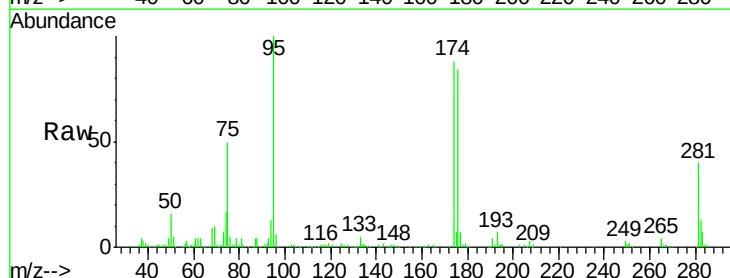
Manual Integrations
 APPROVED

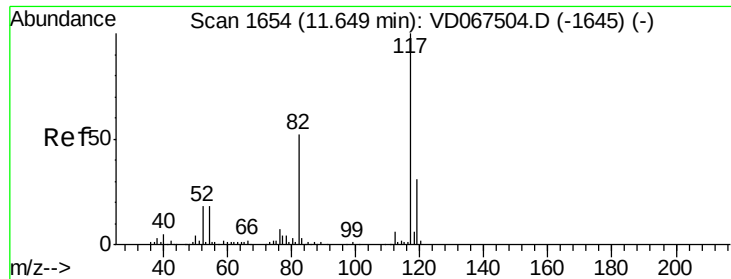
MMDadoda
 11/16/2020 2:34:48 PM



#62
 4-Bromofluorobenzene
 Concen: 49.207 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 95 Resp: 195094
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 177.8
 176 85.2 0.0 172.0





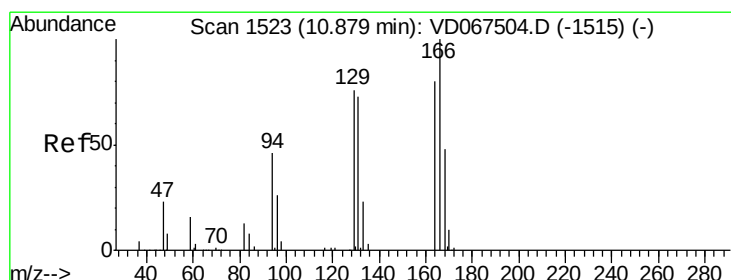
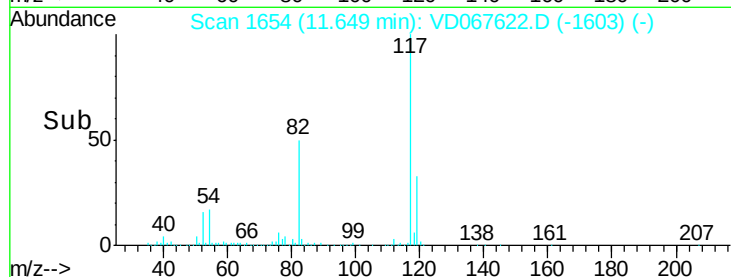
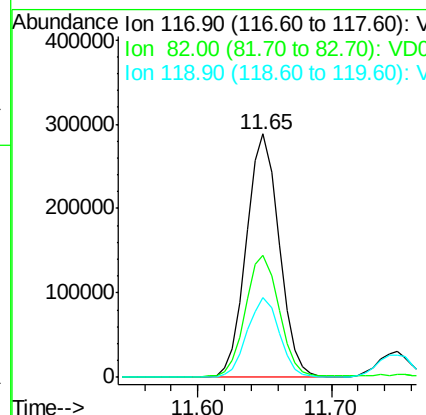
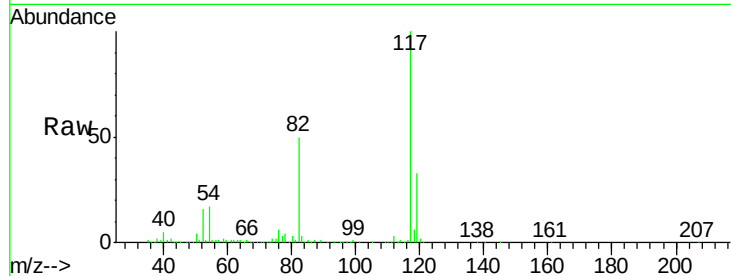
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	490306		
82	50.2		41.6	62.4
119	32.5		25.1	37.7

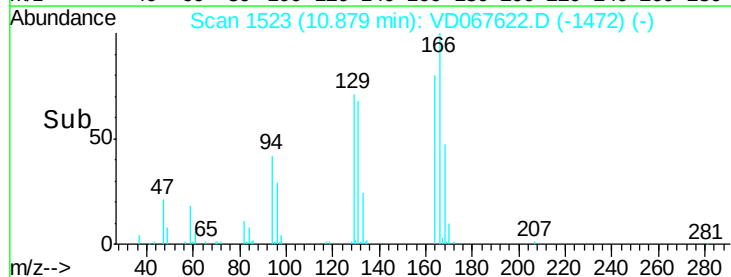
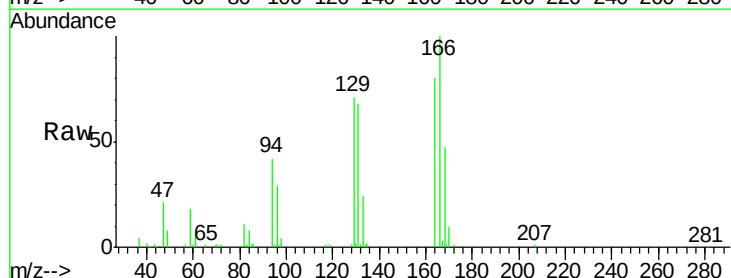
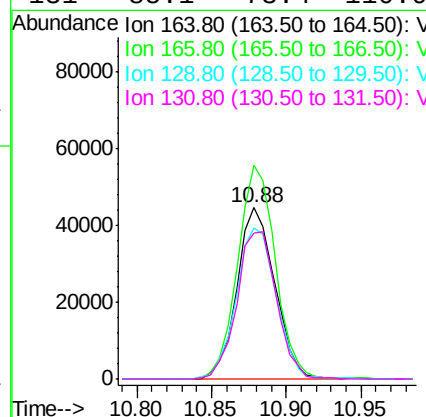
Manual Integrations
APPROVED

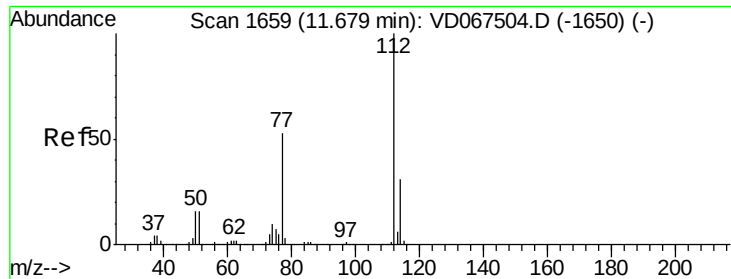
MMDadoda
11/16/2020 2:34:48 PM



#64
Tetrachloroethene
Concen: 21.717 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78857		
166	124.9		99.9	149.9
129	88.6		75.5	113.3
131	85.1		73.4	110.0





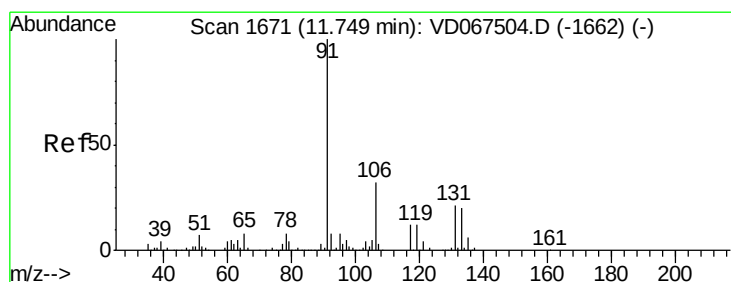
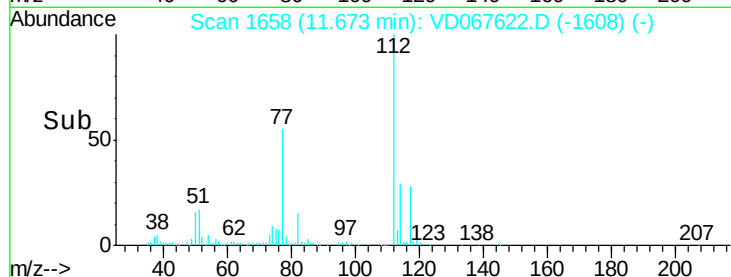
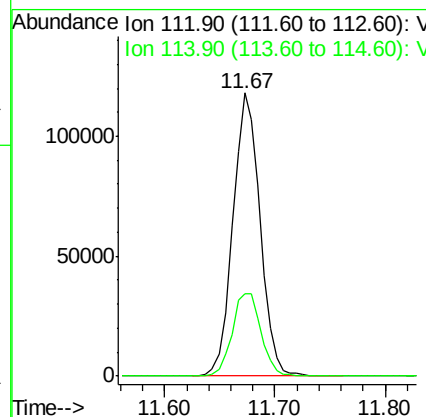
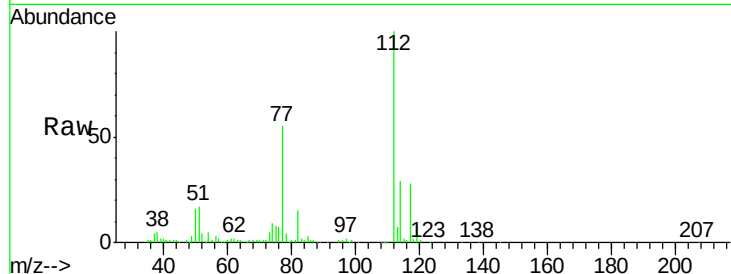
#65
Chlorobenzene
Concen: 21.583 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.0	24.9	37.3

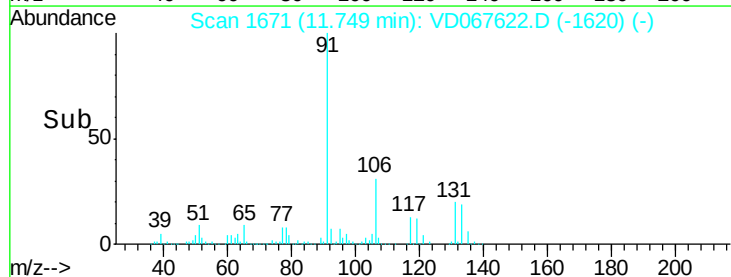
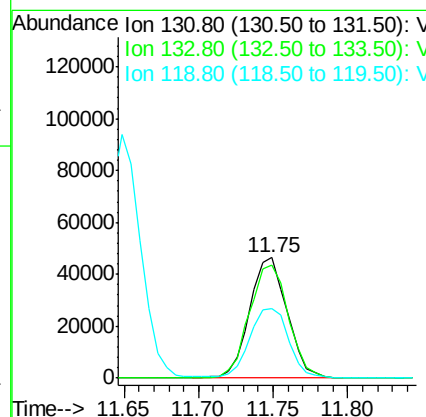
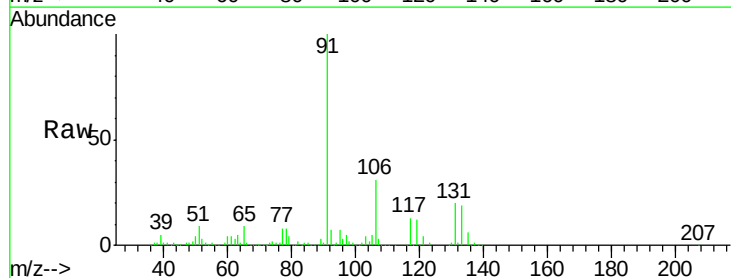
Manual Integrations
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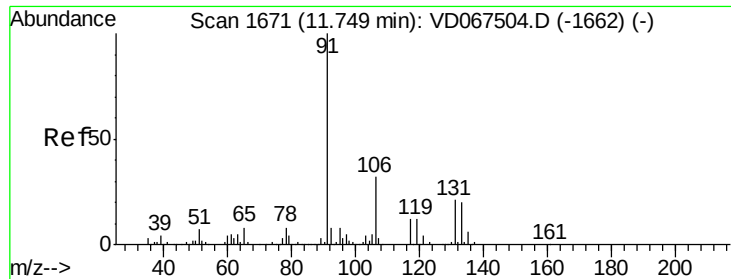
MMDadoda
11/16/2020 2:34:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.631 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.1	48.0	144.0
119	60.7	30.1	90.5





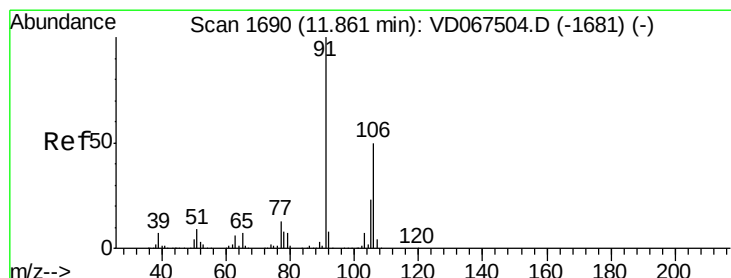
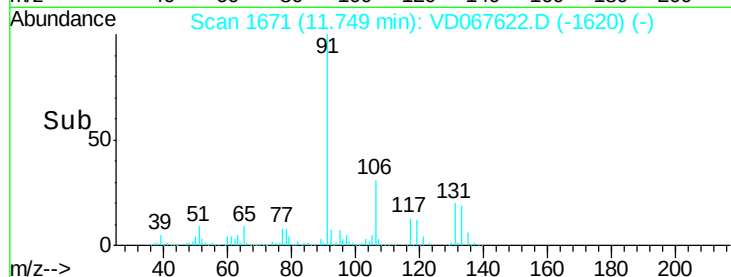
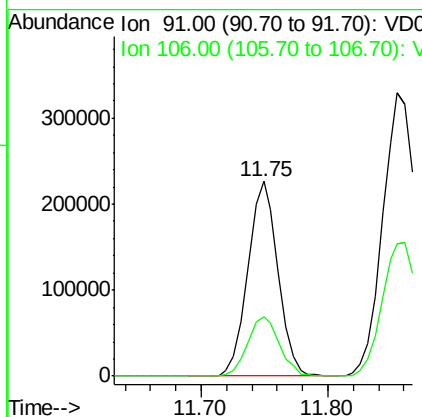
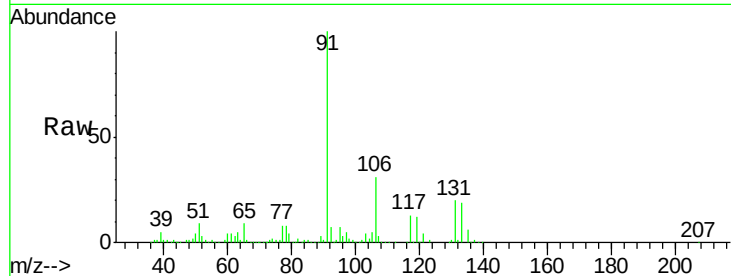
#67
Ethyl Benzene
Concen: 23.144 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion: 91 Resp: 374047
Ion Ratio Lower Upper
91 100
106 30.6 25.7 38.5

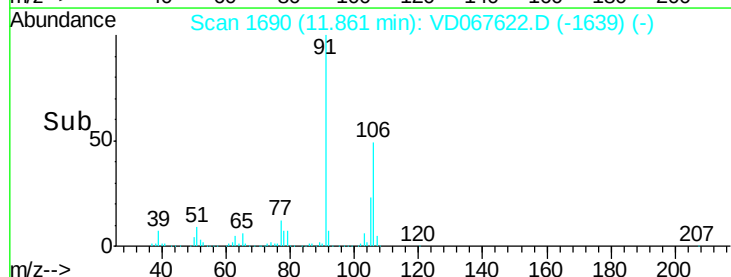
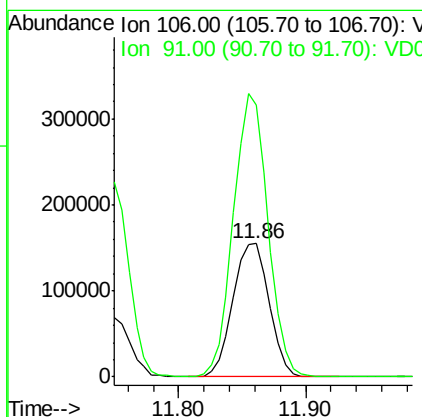
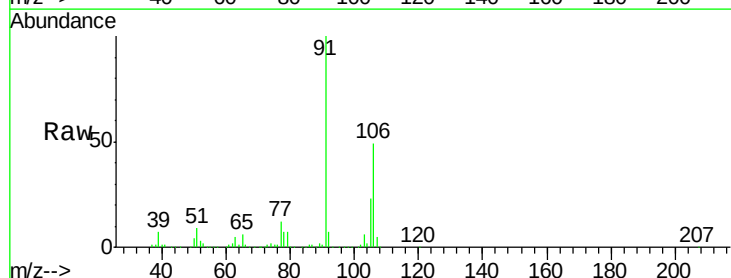
Manual Integrations
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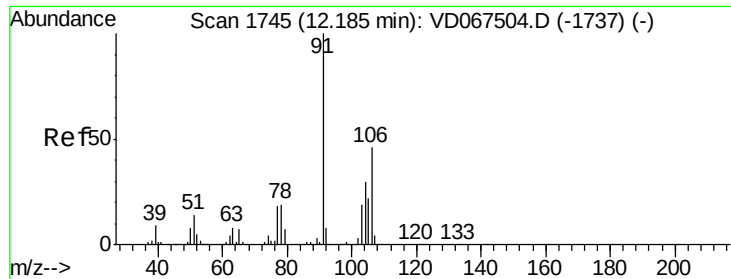
MMDadoda
11/16/2020 2:34:48 PM



#68
m/p-Xylenes
Concen: 48.953 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 106 Resp: 307796
Ion Ratio Lower Upper
106 100
91 200.9 162.6 244.0





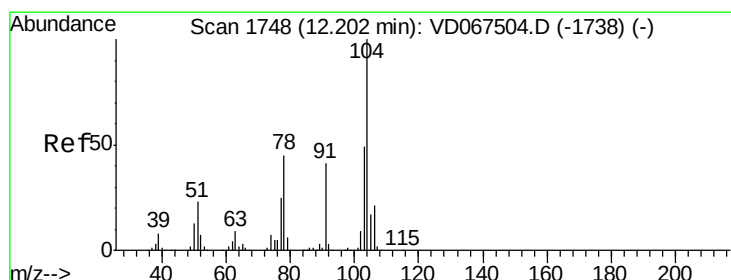
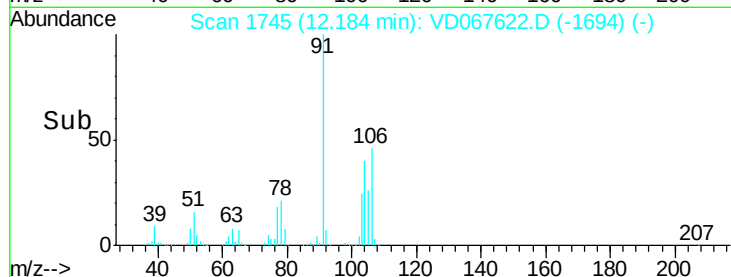
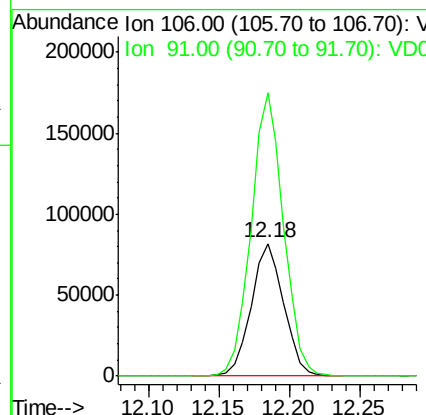
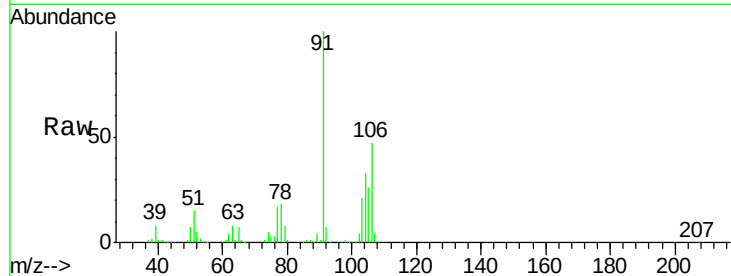
#69
o-Xylene
Concen: 23.490 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		131868		
91	213.4	107.1	321.1		

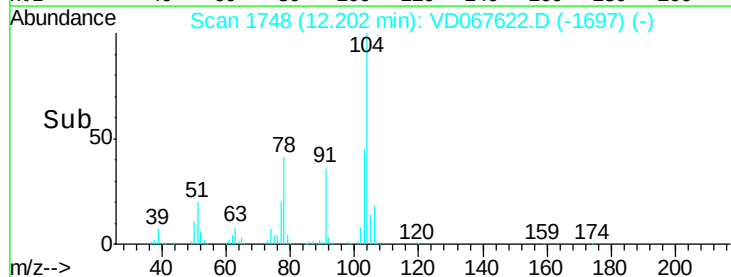
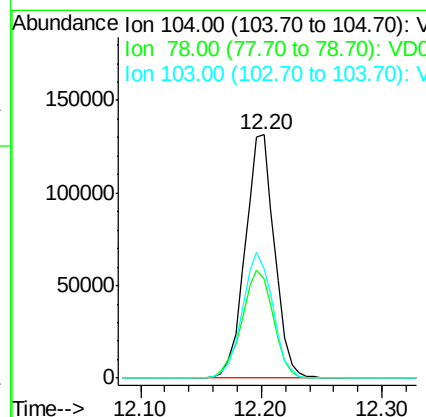
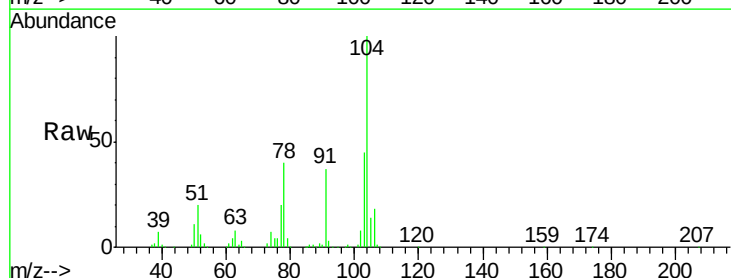
Manual Integrations
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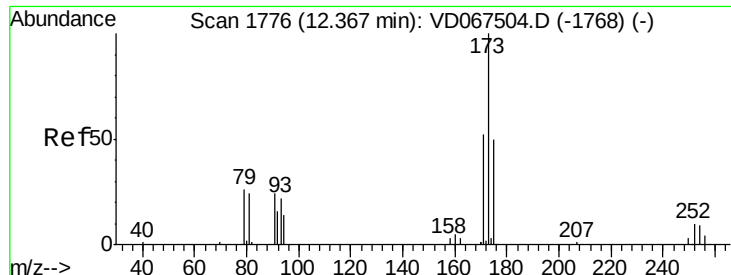
MMDadoda
11/16/2020 2:34:48 PM



#70
Styrene
Concen: 22.769 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		222727		
78	47.8	39.8	59.8		
103	53.6	43.9	65.9		





#71

Bromoform

Concen: 22.189 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion:173 Resp: 42126

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.2

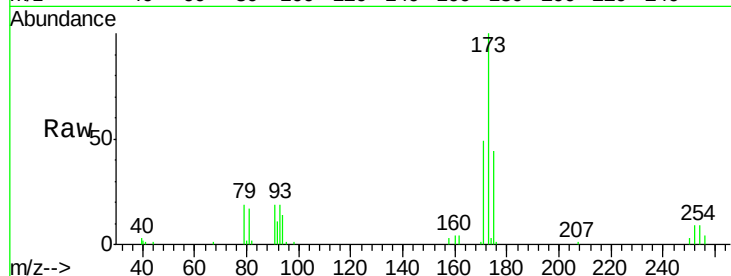
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

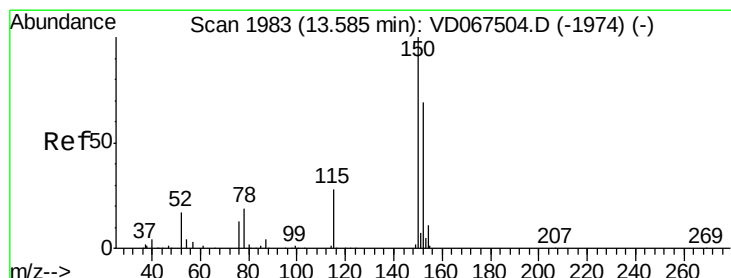
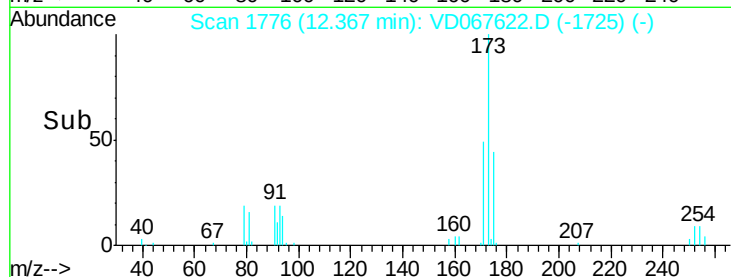
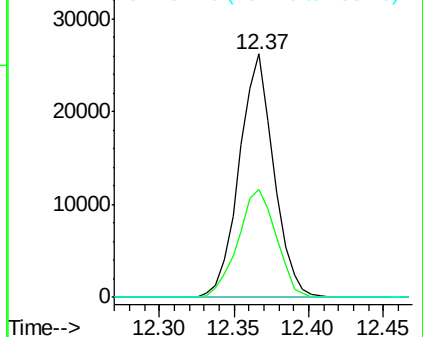
11/16/2020 2:34:48 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

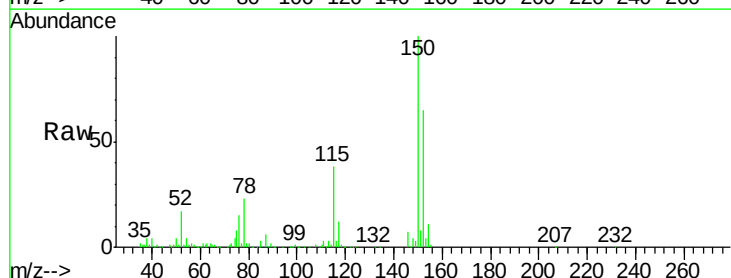
Tgt Ion:152 Resp: 242320

Ion Ratio Lower Upper

152 100

115 60.1 29.3 88.0

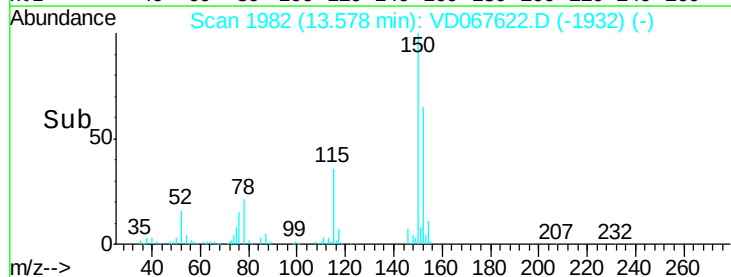
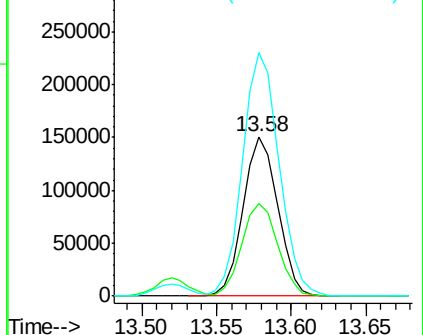
150 161.2 0.0 338.2

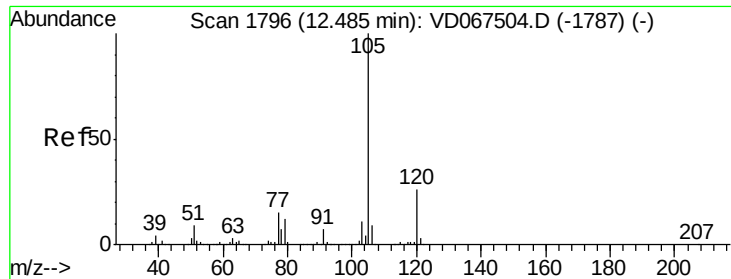


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





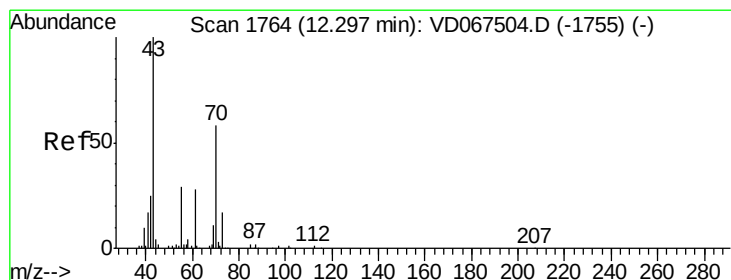
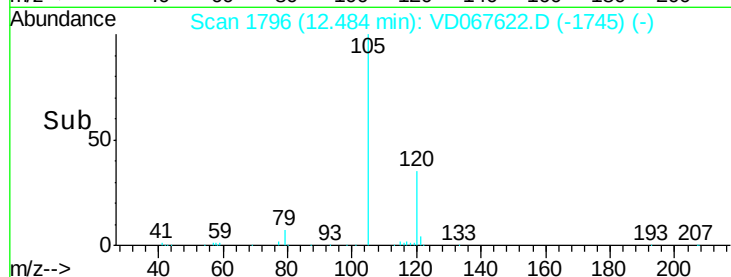
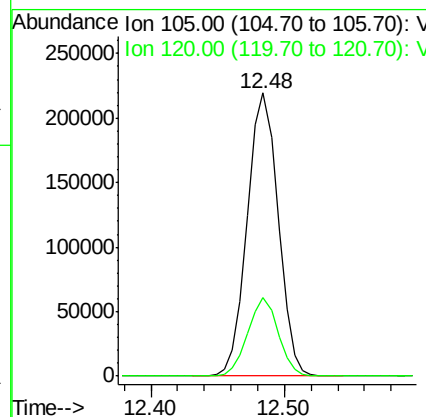
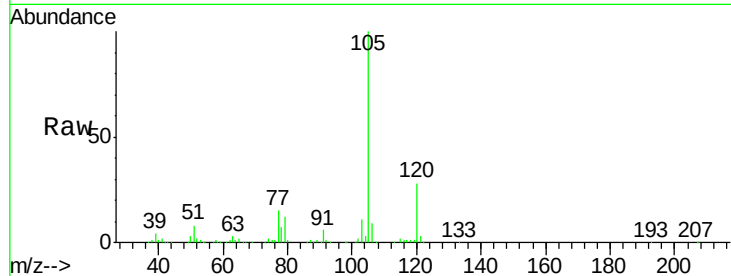
#73
Isopropylbenzene
Concen: 22.470 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.2	39.6

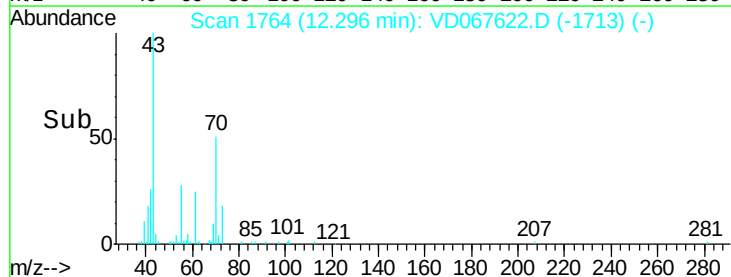
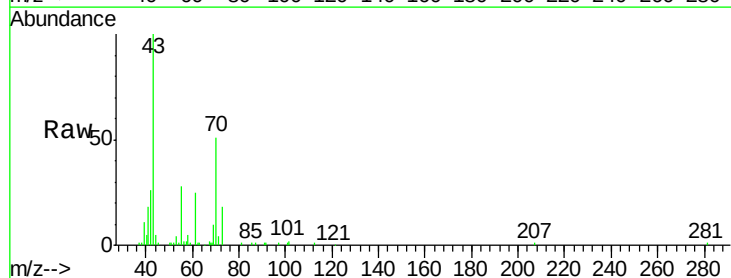
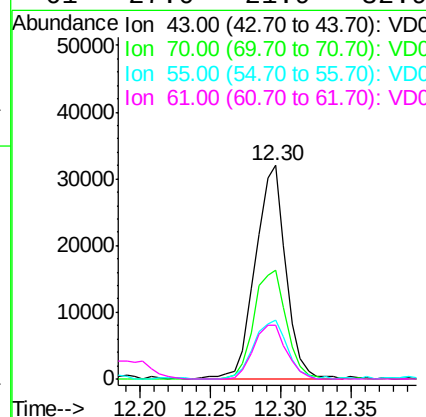
Manual Integrations
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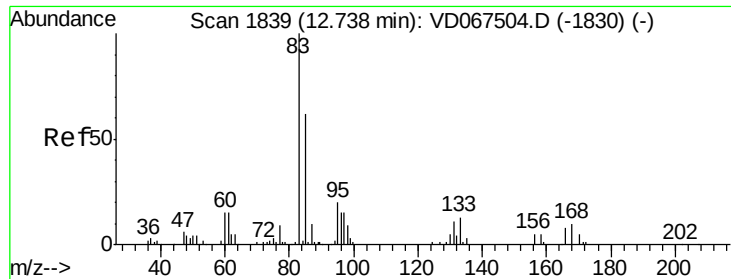
MMDadoda
11/16/2020 2:34:48 PM



#74
N-ethyl acetate
Concen: 23.691 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	53.8	42.6	64.0
55	30.4	23.7	35.5
61	27.0	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.782 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

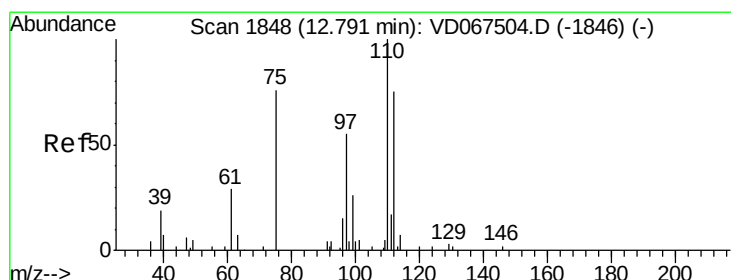
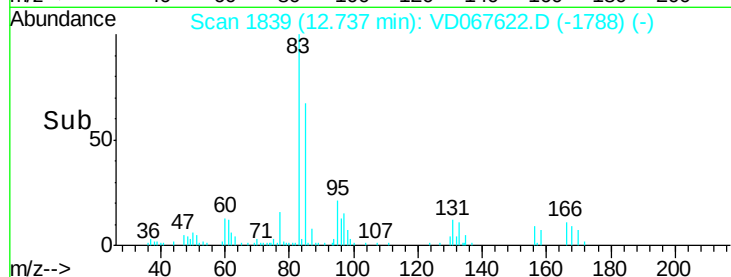
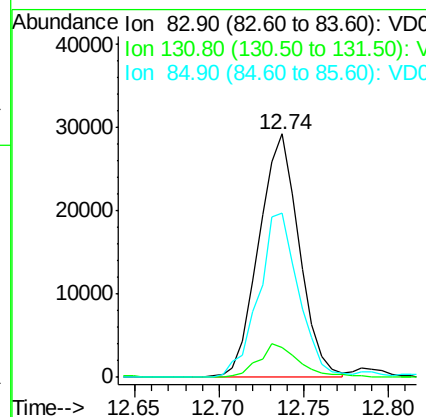
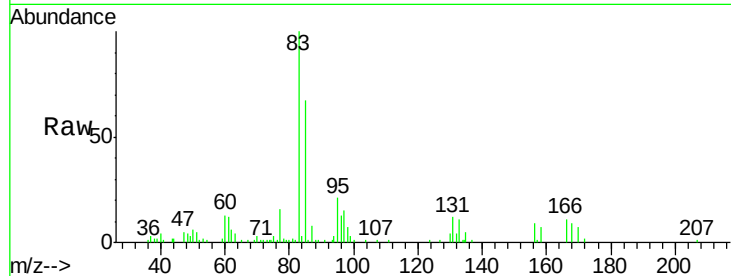
ClientSampleId :

VD1112SBS02

Tot Ion:	83	Resp:	48652
Ion Ratio	Lower	Upper	
83	100		
131	13.9	7.1	21.3
85	67.6	32.9	98.7

Manual Integrations
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11/16/2020 2:34:48 PM



#76

1,2,3-Trichloropropane

Concen: 24.588 ug/l m

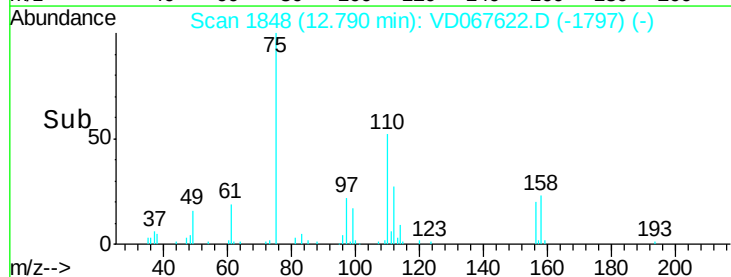
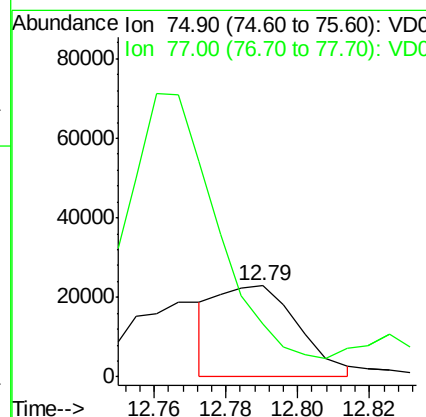
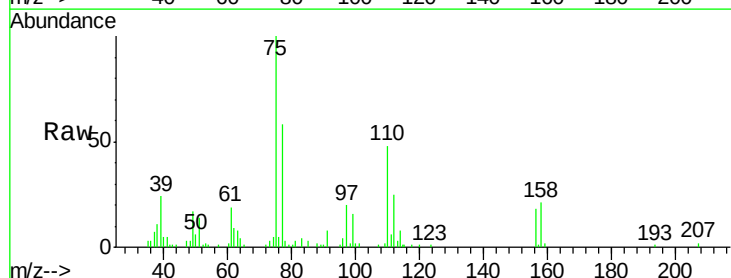
RT: 12.79 min Scan# 1848

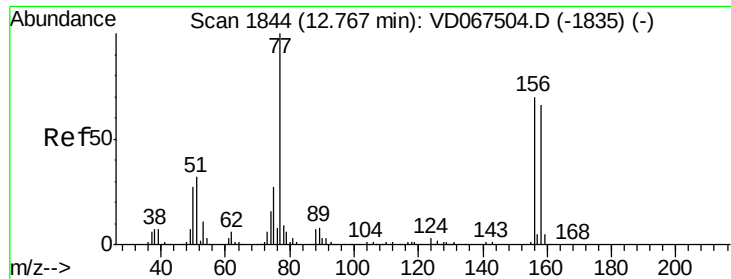
Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Tgt Ion:	75	Resp:	35943
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.029 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion:156 Resp: 84726

Ion Ratio Lower Upper

156 100

77 158.5 77.8 233.5

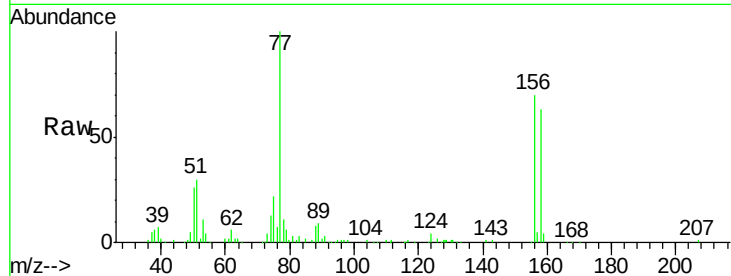
158 96.7 47.9 143.7

Manual Integrations

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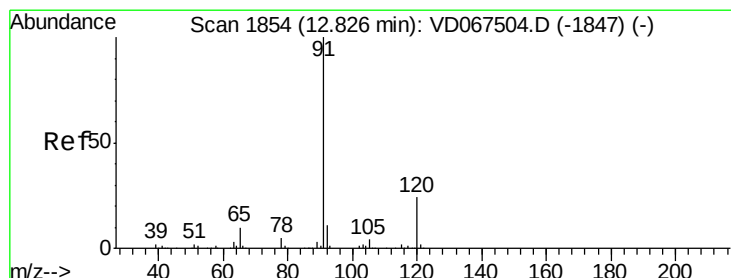
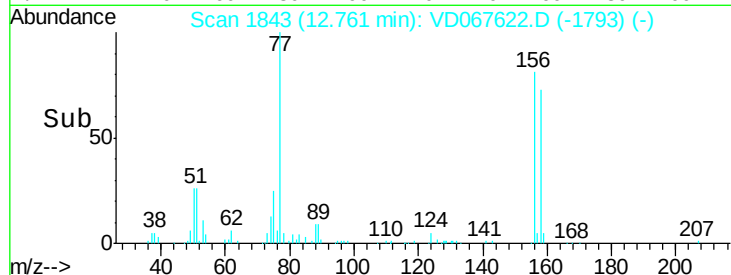
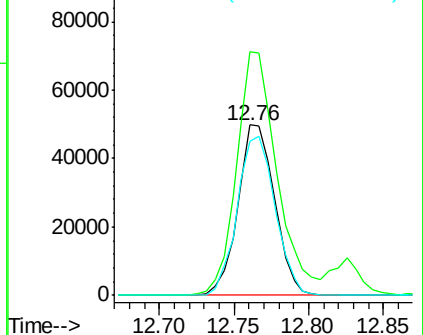
11/16/2020 2:34:48 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.649 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067622.D

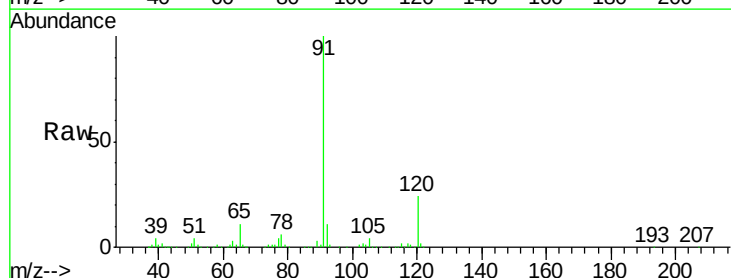
Acq: 12 Nov 2020 14:46

Tgt Ion: 91 Resp: 405716

Ion Ratio Lower Upper

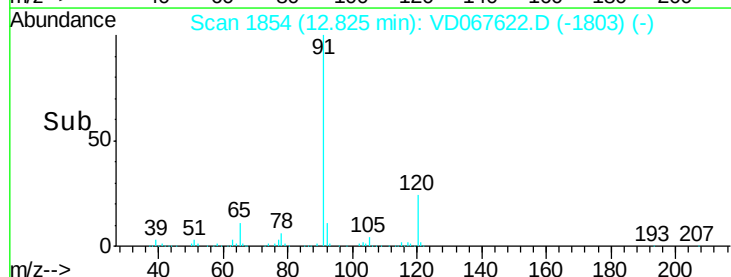
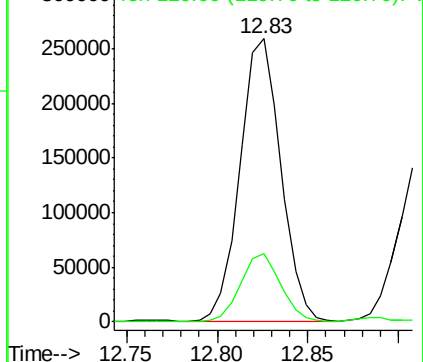
91 100

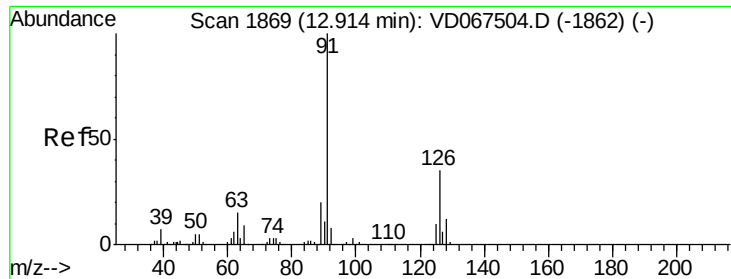
120 23.8 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





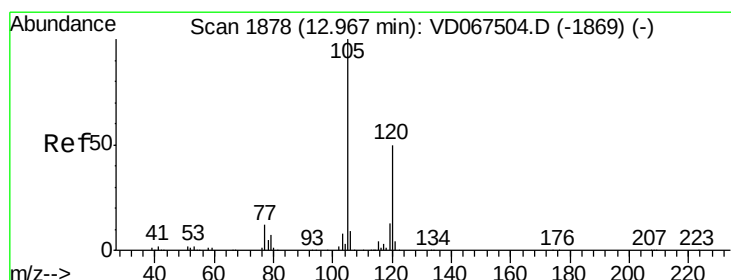
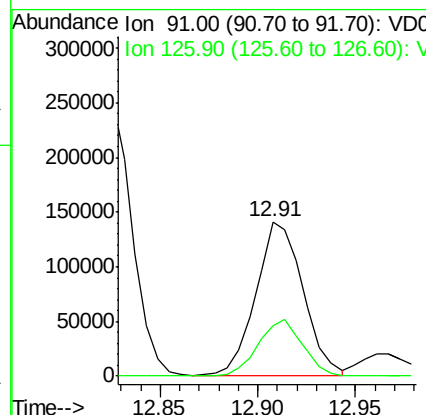
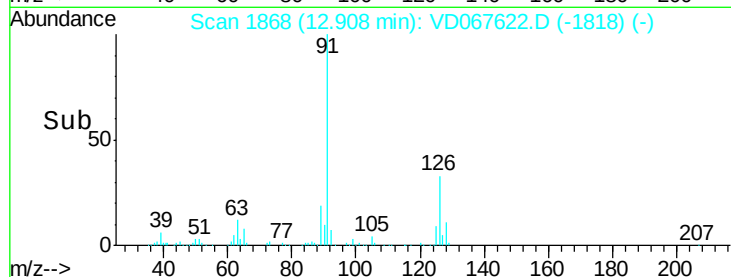
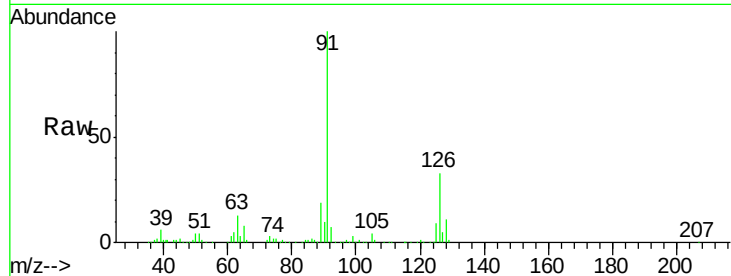
#79
 2-Chlorotoluene
 Concen: 23.233 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion: 91 Resp: 236405
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.8 53.4

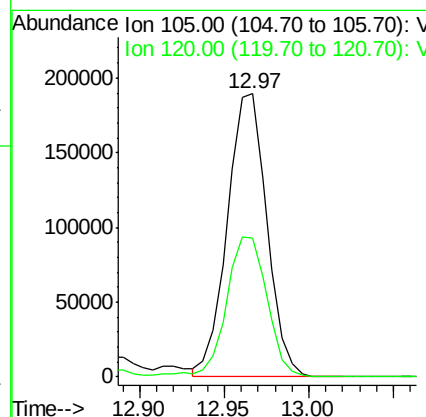
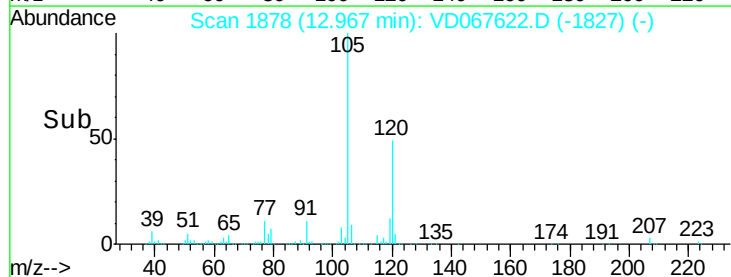
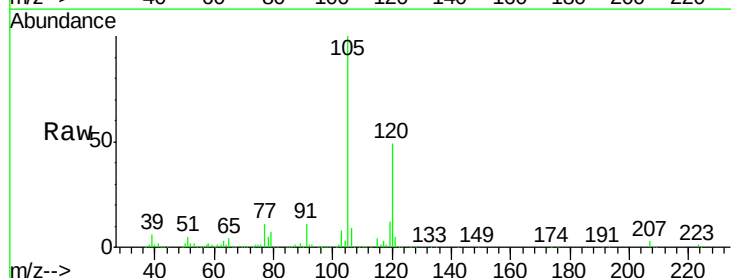
Manual Integrations
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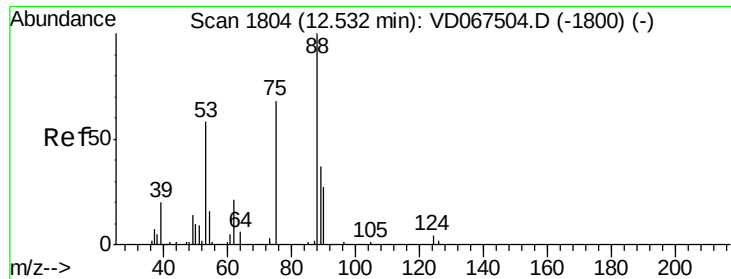
MMDadoda
 11/16/2020 2:34:48 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 23.000 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 105 Resp: 307698
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.3 72.8





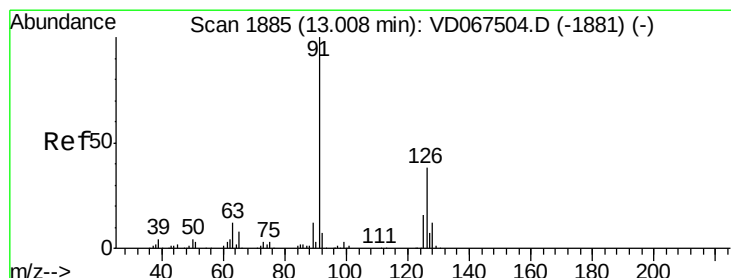
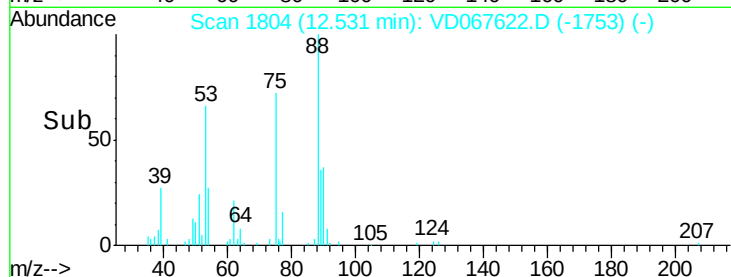
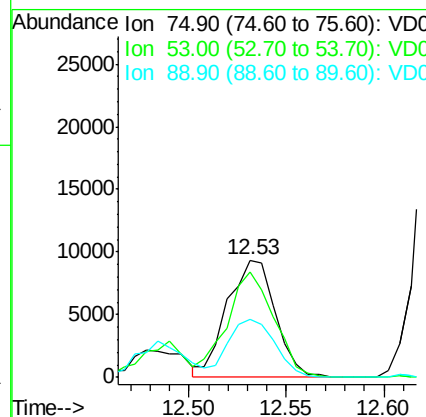
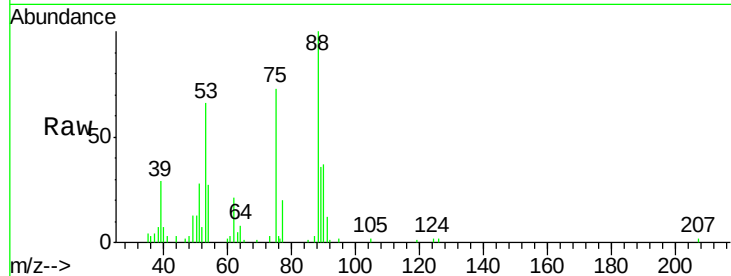
#81
trans-1,4-Dichloro-2-butene
Concen: 22.326 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	75.9	113.9
89	48.2	44.6	67.0

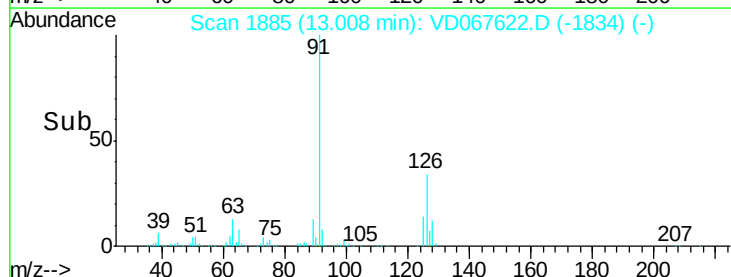
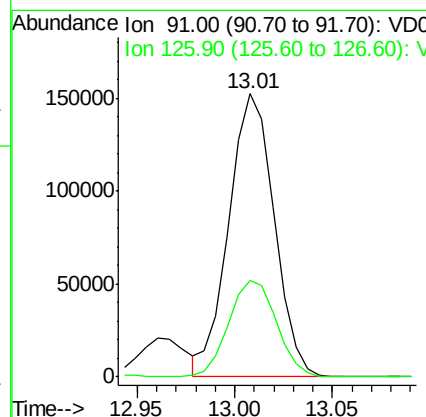
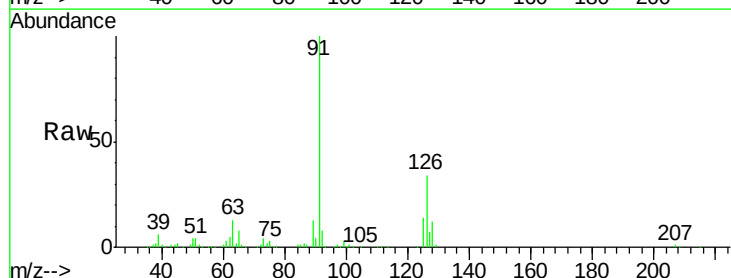
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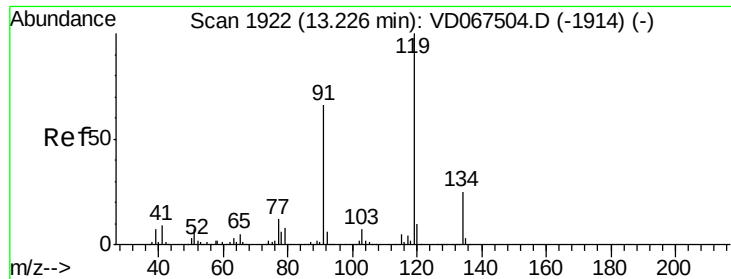
MMDadoda
11/16/2020 2:34:48 PM



#82
4-Chlorotoluene
Concen: 22.595 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.7





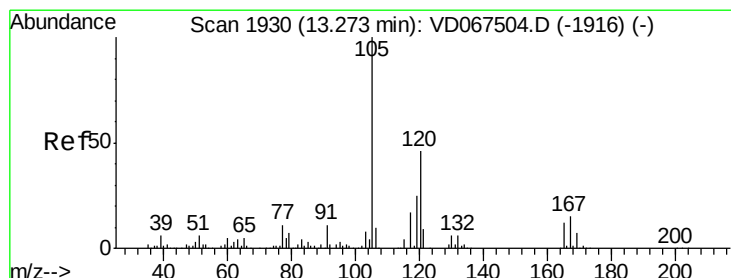
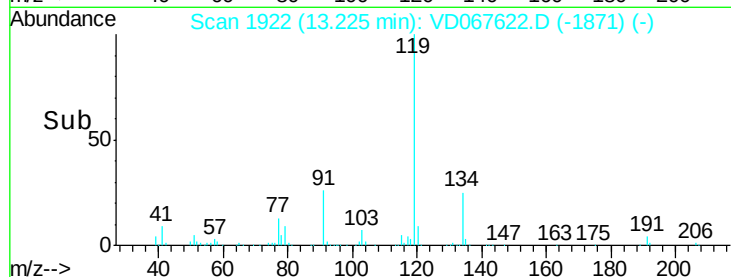
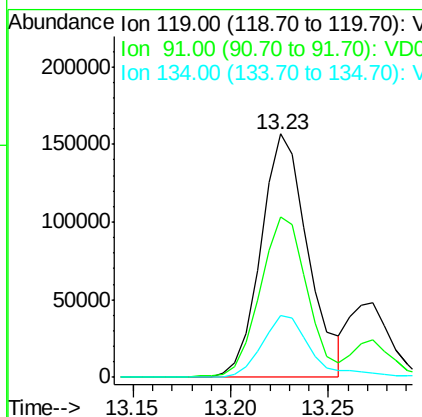
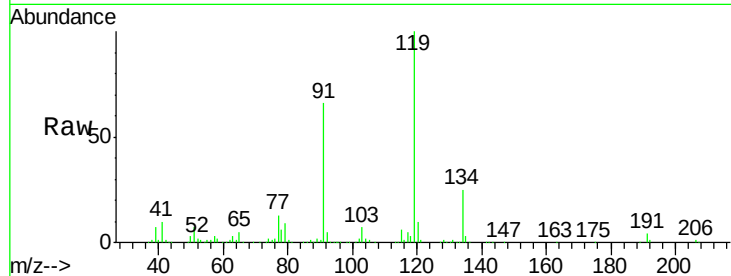
#83
tert-Butylbenzene
Concen: 23.145 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	262415		
91	65.7	32.7	98.1	
134	26.6	13.4	40.2	

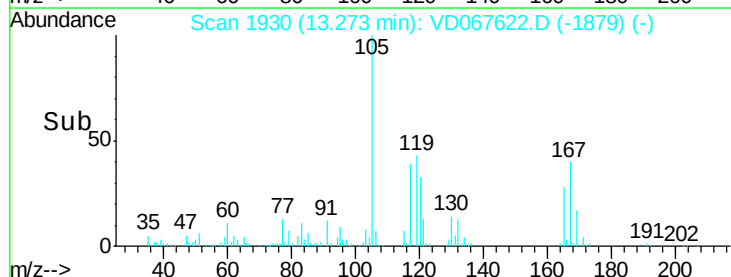
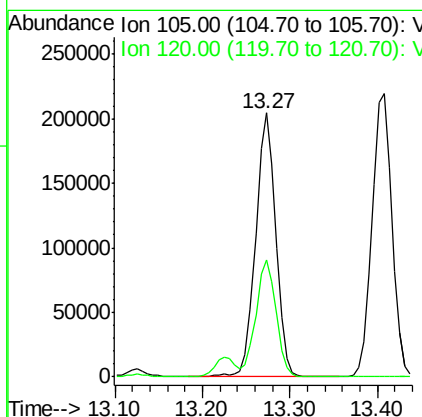
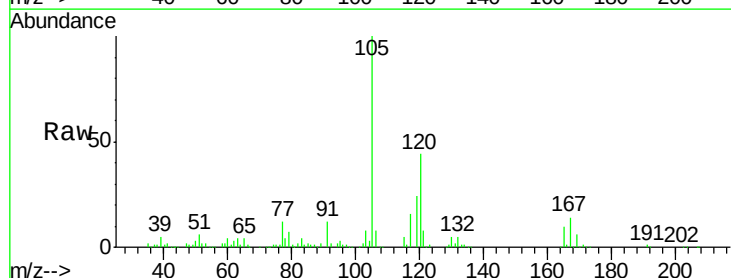
Manual Integrations
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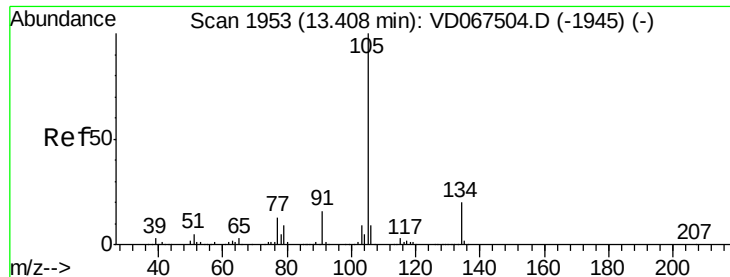
MMDadoda
11/16/2020 2:34:48 PM



#84
1,2,4-Trimethylbenzene
Concen: 24.082 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	320693		
120	44.5	22.1	66.1	





#85

sec-Butylbenzene

Concen: 22.795 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion:105 Resp: 348897

Ion Ratio Lower Upper

105 100

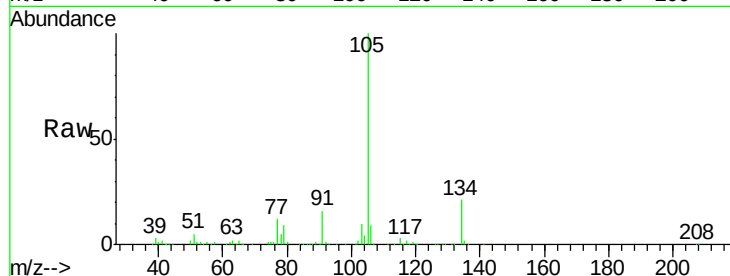
134 20.6 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

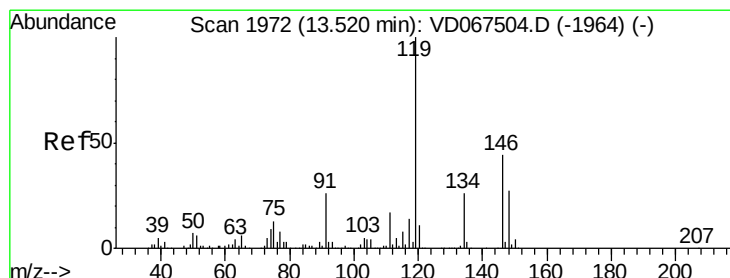
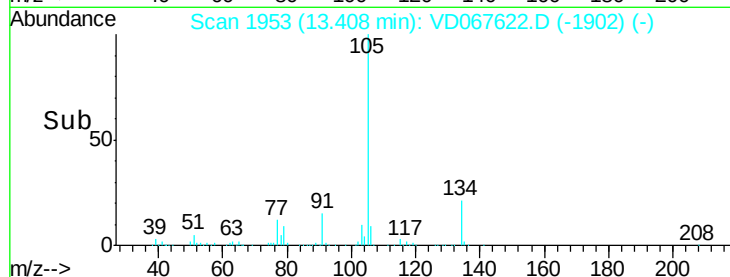
100000

50000

0

13.35 13.40 13.45 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 22.123 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

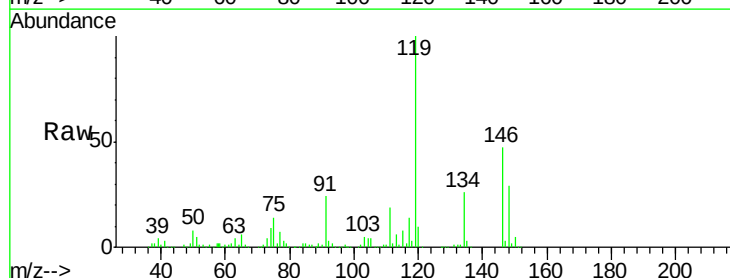
Tgt Ion:119 Resp: 326991

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 24.5 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

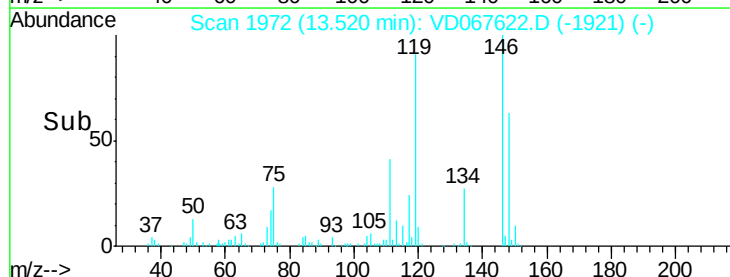
100000

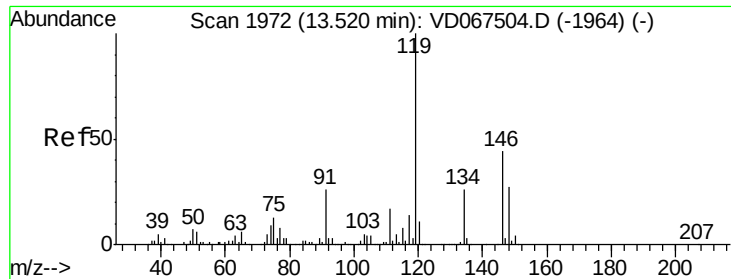
50000

0

13.45 13.50 13.55 13.60

Time-->





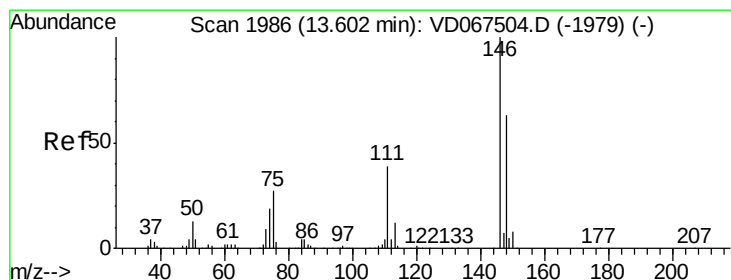
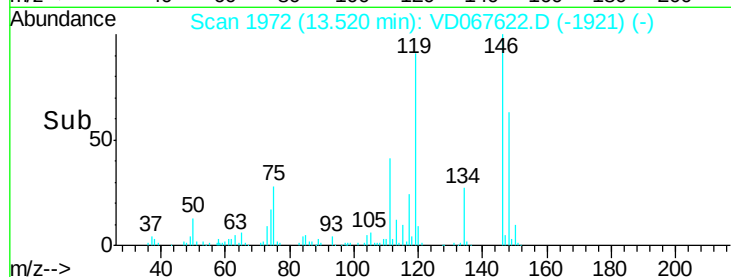
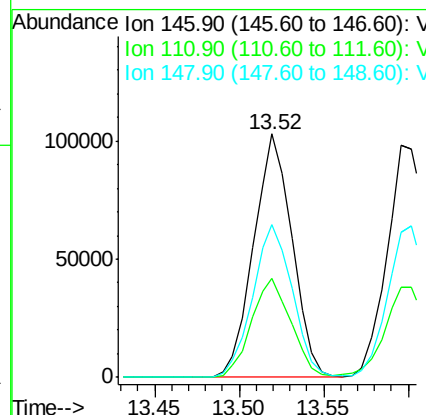
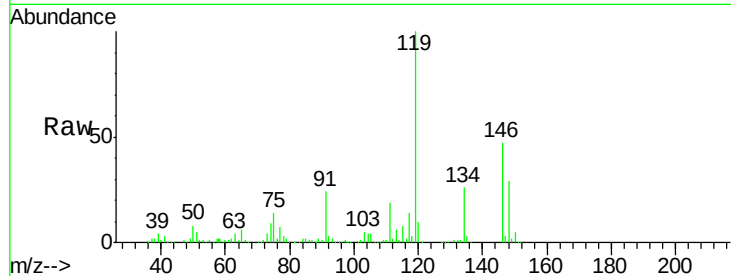
#87
 1,3-Dichlorobenzene
 Concen: 22.258 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	60.8
148	64.8	31.9	95.9

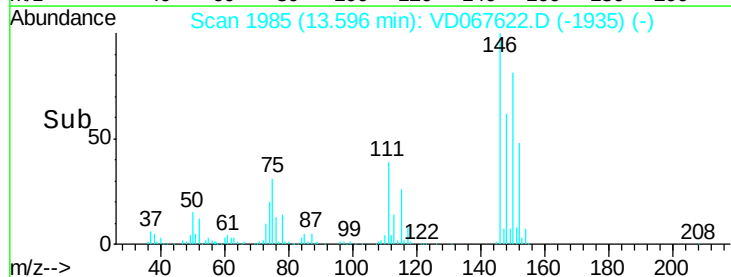
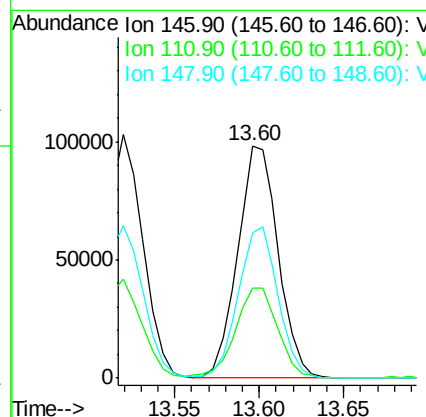
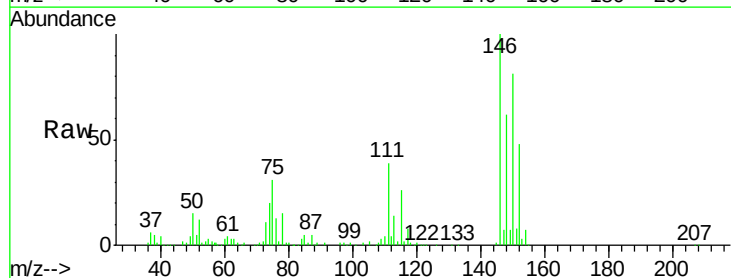
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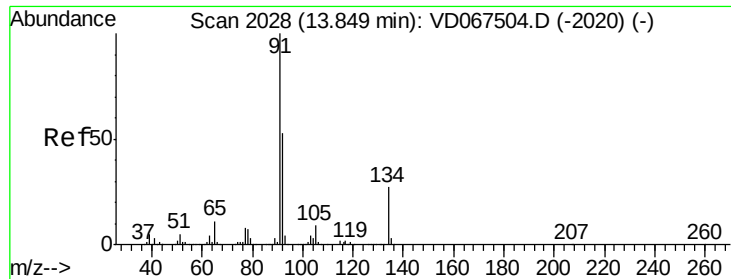
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#88
 1,4-Dichlorobenzene
 Concen: 22.064 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	63.7	31.8	95.4





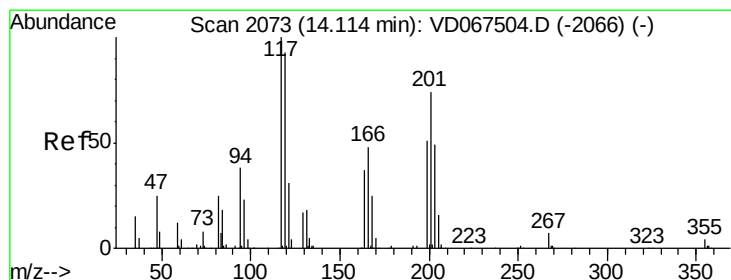
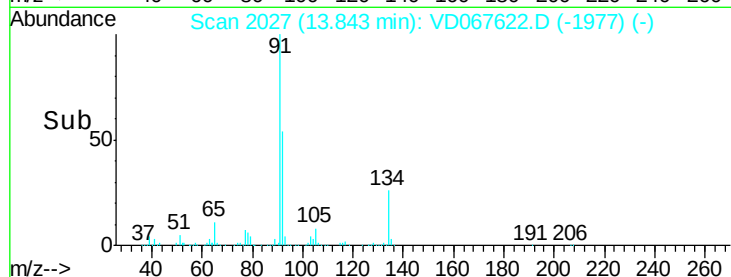
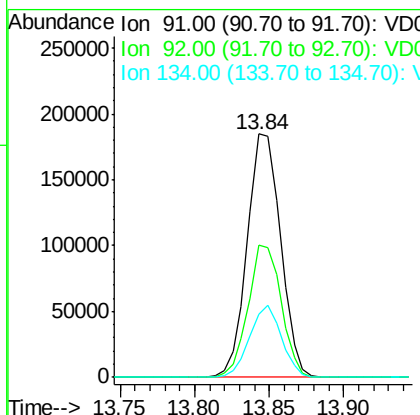
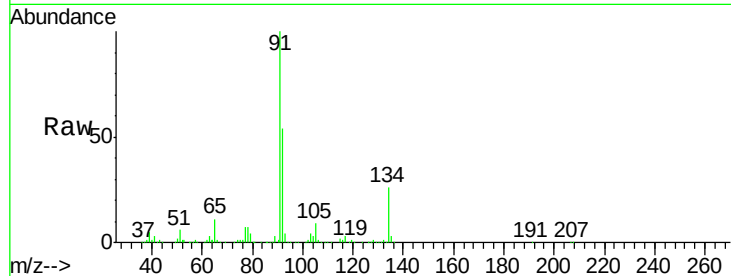
#89
n-Butylbenzene
Concen: 22.361 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.6	79.8
134	28.4	14.1	42.2

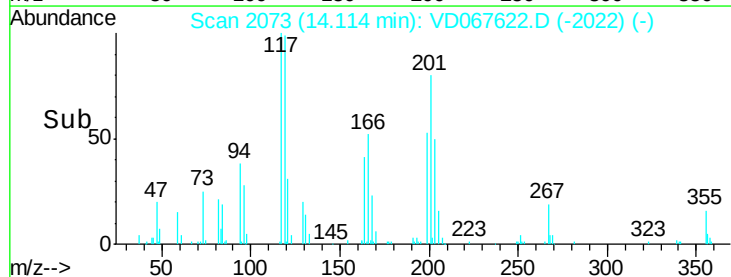
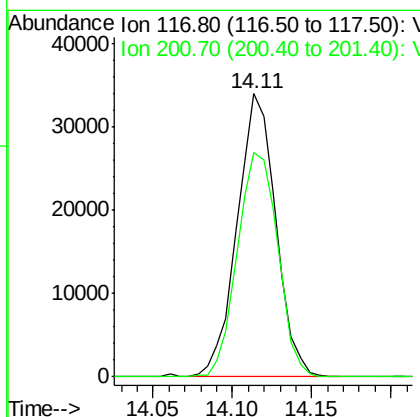
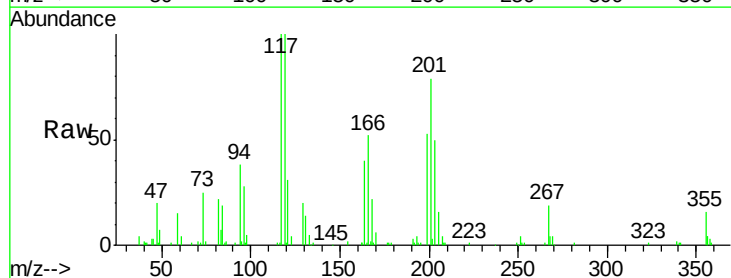
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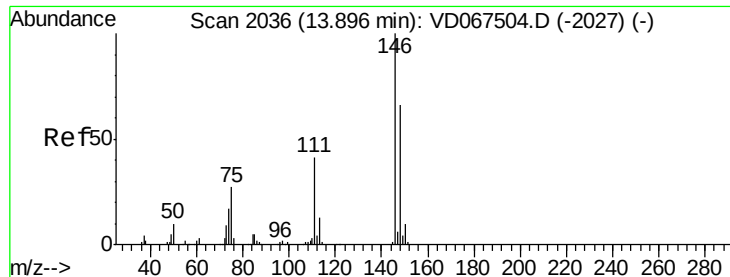
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#90
Hexachloroethane
Concen: 20.656 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	40.7	122.1





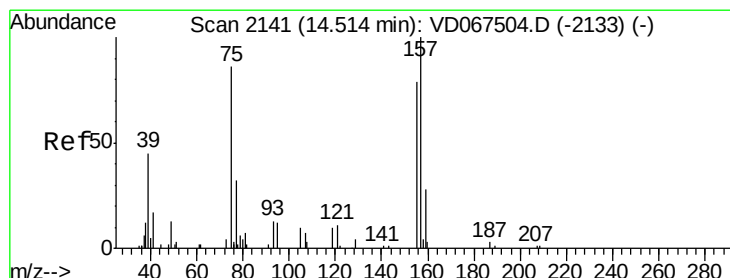
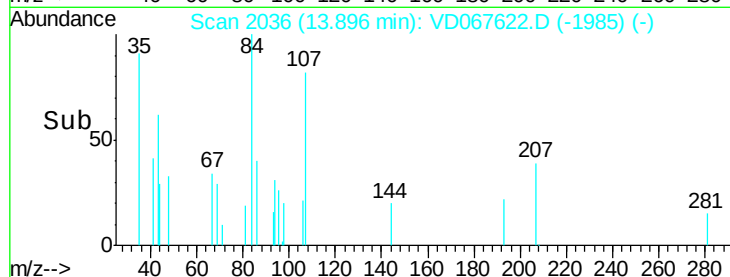
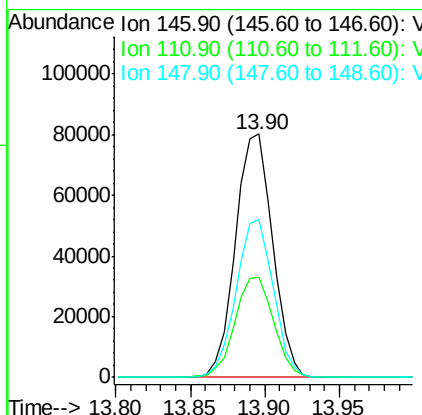
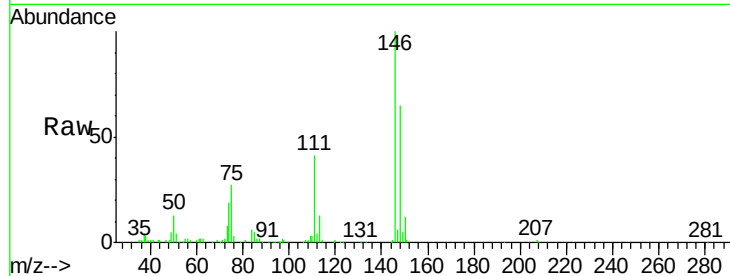
#91
 1,2-Dichlorobenzene
 Concen: 21.882 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.7	62.1
148	64.7	31.5	94.5

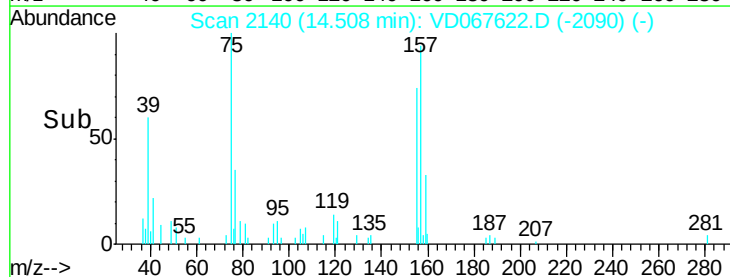
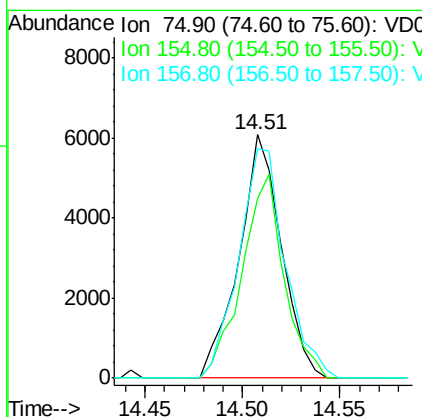
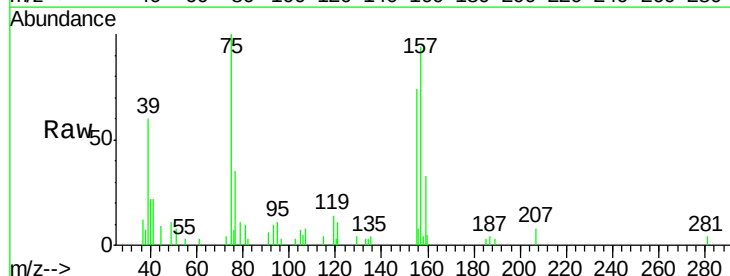
Manual Integrations
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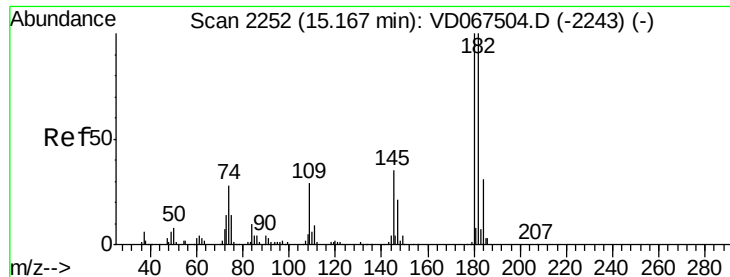
MMDadoda
 11/16/2020 2:34:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.237 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	46.6	139.8
157	103.2	58.1	174.2





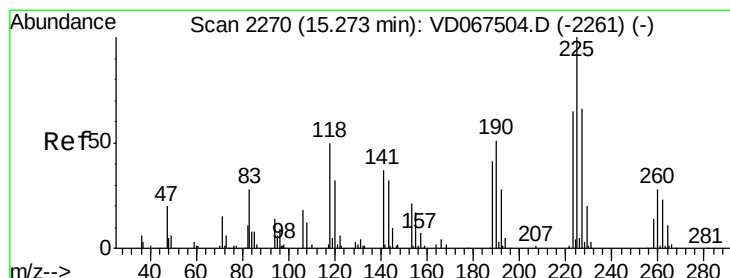
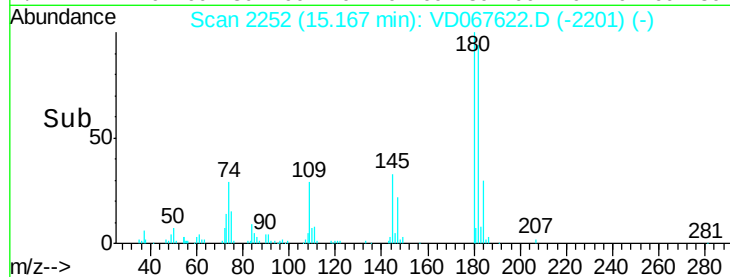
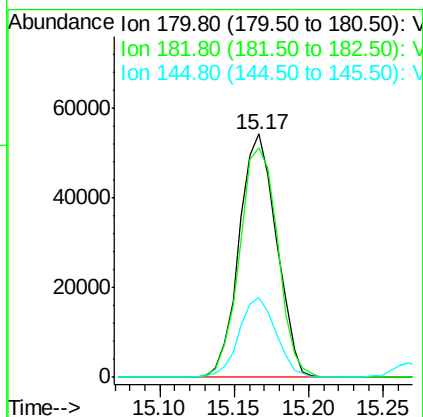
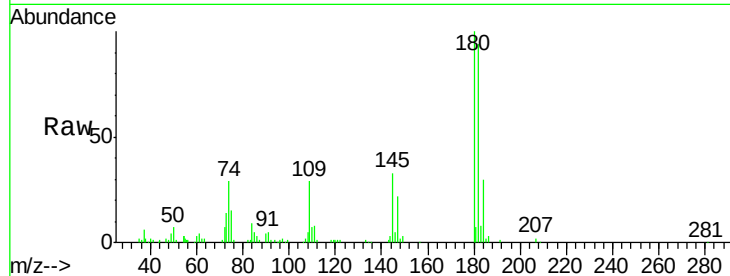
#93
1,2,4-Trichlorobenzene
Concen: 21.803 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.4	142.3	
145	32.3	16.2	48.6	

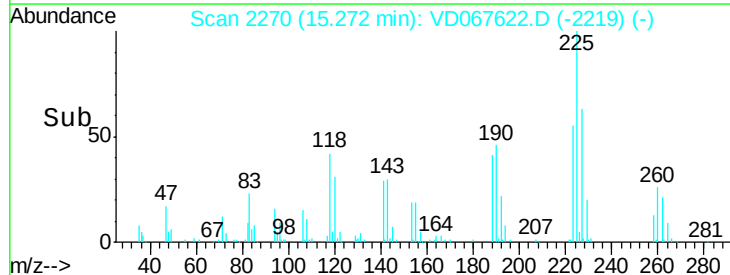
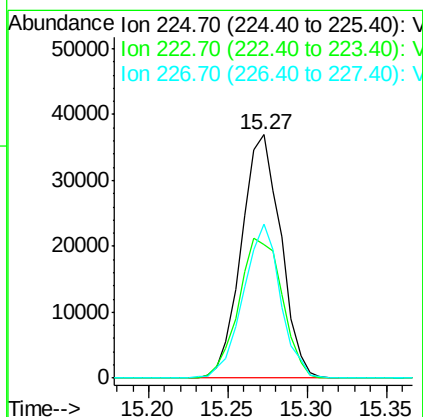
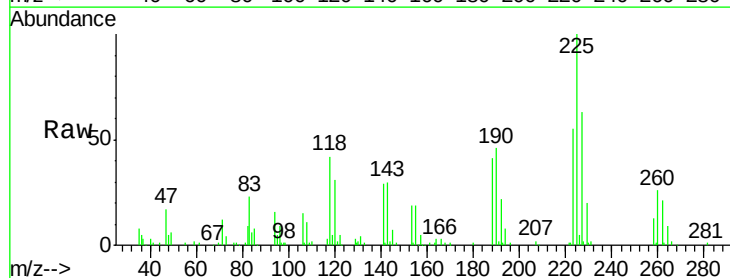
Manual Integrations
APPROVED

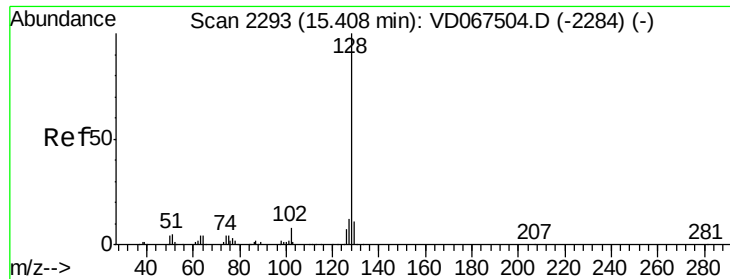
MMDadoda
11/16/2020 2:34:48 PM



#94
Hexachlorobutadiene
Concen: 22.067 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.9	95.5	
227	60.0	32.5	97.4	





#95

Naphthalene

Concen: 22.319 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

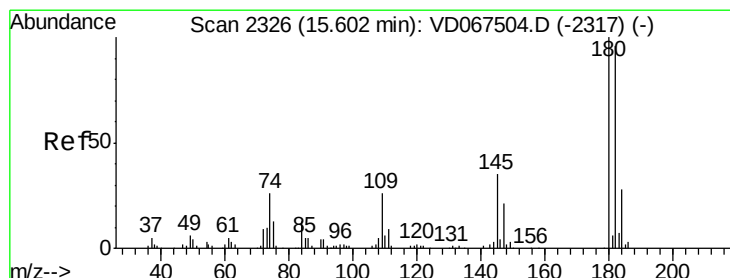
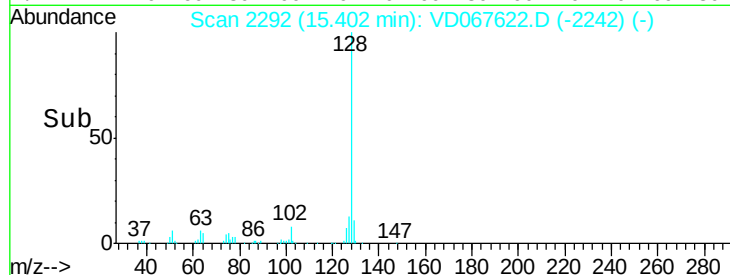
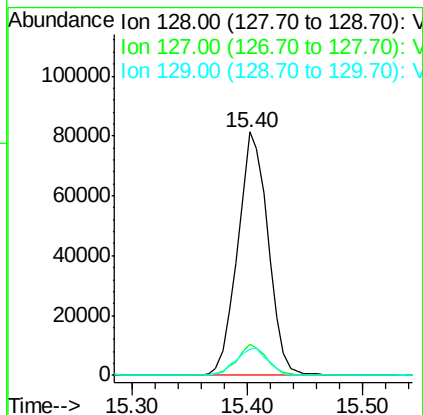
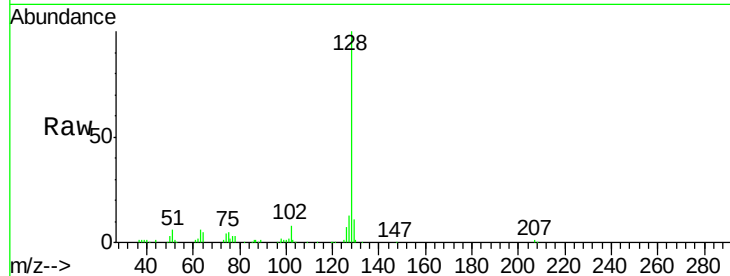
ClientSampleId :

VD1112SBS02

Tot Ion:	128	Resp:	148484
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.4
129	11.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.204 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Tgt Ion:	180	Resp:	78275
Ion Ratio	Lower	Upper	
180	100		
182	94.3	46.9	140.8
145	37.6	17.1	51.2

