

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067677.D
 Acq On : 18 Nov 2020 11:20
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:07:05 AM

Quant Time: Nov 19 00:40:38 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	275920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	406475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	120647	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.92	113	123409	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.34	98	418999	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.64	95	156068	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	52524	20.867	ug/l	91
3) Chloromethane	2.21	50	32779	19.077	ug/l	93
4) Vinyl Chloride	2.35	62	36710	19.163	ug/l	97
5) Bromomethane	2.77	94	31638	20.377	ug/l	94
6) Chloroethane	2.93	64	23265	19.699	ug/l	92
7) Trichlorofluoromethane	3.28	101	106719	21.516	ug/l	90
8) Diethyl Ether	3.71	74	20936	20.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	53615	21.414	ug/l	98
10) Methyl Iodide	4.30	142	50727	18.904	ug/l	99
11) Tert butyl alcohol	5.20	59	22609m	214.598	ug/l	
12) 1,1-Dichloroethene	4.07	96	48883	21.226	ug/l	95
13) Acrolein	3.92	56	4098	62.281	ug/l	91
14) Allyl chloride	4.71	41	48881	19.832	ug/l	97
15) Acrylonitrile	5.42	53	38671	104.671	ug/l	97
16) Acetone	4.16	43	33706	93.359	ug/l	97
17) Carbon Disulfide	4.41	76	133235	18.880	ug/l #	95
18) Methyl Acetate	4.73	43	14751	19.772	ug/l #	41
19) Methyl tert-butyl Ether	5.47	73	93637	20.613	ug/l #	92
20) Methylene Chloride	4.97	84	58850	23.076	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	56113	20.919	ug/l	98
22) Diisopropyl ether	6.37	45	101464	21.125	ug/l #	92
23) Vinyl Acetate	6.31	43	255832	101.755	ug/l	95
24) 1,1-Dichloroethane	6.27	63	82706	21.048	ug/l	95
25) 2-Butanone	7.22	43	38588	100.027	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	90155	21.740	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	60320	21.665	ug/l	99
28) Bromochloromethane	7.56	49	27049	19.353	ug/l #	1
29) Tetrahydrofuran	7.57	42	23717	102.635	ug/l	98
30) Chloroform	7.71	83	104756	22.347	ug/l	100
31) Cyclohexane	7.99	56	66772	19.082	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	103028	21.301	ug/l	100
36) 1,1-Dichloropropene	8.11	75	74273	21.347	ug/l	98
37) Ethyl Acetate	7.30	43	19461	21.544	ug/l #	80
38) Carbon Tetrachloride	8.10	117	99052	21.911	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81221	19.834	ug/l	96
40) Benzene	8.36	78	207799	22.048	ug/l	100
41) Methacrylonitrile	7.53	41	11580m	21.447	ug/l	
42) 1,2-Dichloroethane	8.43	62	65215	22.396	ug/l	99
43) Isopropyl Acetate	8.46	43	37838	21.180	ug/l	99
44) Trichloroethene	9.12	130	65929	21.275	ug/l	88
45) 1,2-Dichloropropane	9.39	63	43511	21.353	ug/l	94
46) Dibromomethane	9.48	93	26614	20.541	ug/l	94
47) Bromodichloromethane	9.67	83	76930	21.846	ug/l	98
48) Methyl methacrylate	9.46	41	17830	19.330	ug/l	95
49) 1,4-Dioxane	9.46	88	5858	445.380	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	90069	105.420	ug/l	100
52) Toluene	10.41	92	142682	22.602	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	65104	21.586	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	76358	21.309	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	37510	21.881	ug/l	97
56) Ethyl methacrylate	10.67	69	37020	20.912	ug/l	95
57) 1,3-Dichloropropane	10.95	76	57888	20.985	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	85718	103.834	ug/l	100
59) 2-Hexanone	10.99	43	60169	100.721	ug/l	99
60) Dibromochloromethane	11.15	129	56419	22.248	ug/l	100
61) 1,2-Dibromoethane	11.25	107	36628	21.289	ug/l	94
64) Tetrachloroethene	10.88	164	61082	22.295	ug/l	92
65) Chlorobenzene	11.68	112	155644	21.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	61914	22.044	ug/l	99
67) Ethyl Benzene	11.75	91	268534	22.022	ug/l	98
68) m/p-Xylenes	11.86	106	212756	44.847	ug/l	98
69) o-Xylene	12.18	106	95825	22.624	ug/l	99
70) Styrene	12.20	104	166073	22.501	ug/l	98
71) Bromoform	12.37	173	30340	21.181	ug/l #	93
73) Isopropylbenzene	12.48	105	262451	21.503	ug/l	98
74) N-amyl acetate	12.30	43	31664	19.716	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	35567	21.371	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	21137m	18.553	ug/l	
77) Bromobenzene	12.77	156	66635	22.231	ug/l	97
78) n-propylbenzene	12.83	91	305990	21.918	ug/l	100
79) 2-Chlorotoluene	12.91	91	174872	22.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	230957	22.152	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11815	21.056	ug/l	96
82) 4-Chlorotoluene	13.01	91	189154	22.240	ug/l	99
83) tert-Butylbenzene	13.23	119	195670	22.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	233938	22.541	ug/l	99
85) sec-Butylbenzene	13.41	105	260712	21.856	ug/l	100
86) p-Isopropyltoluene	13.52	119	252782	21.945	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	122326	21.388	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	124090	21.427	ug/l	99
89) n-Butylbenzene	13.85	91	214465	21.555	ug/l	100
90) Hexachloroethane	14.11	117	46283	21.336	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	107771	21.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6462	21.930	ug/l	96

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MSVOA_D
ClientSampleId :
VD1118SBSD01

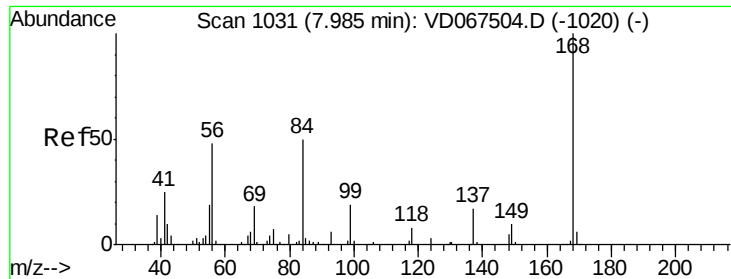
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	73507	21.879	ug/l	98
94) Hexachlorobutadiene	15.27	225	47618	21.177	ug/l	98
95) Naphthalene	15.41	128	106404	20.522	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	60797	21.132	ug/l	99

(#) = 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: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:168 Resp: 275920

Ion Ratio Lower Upper

168 100

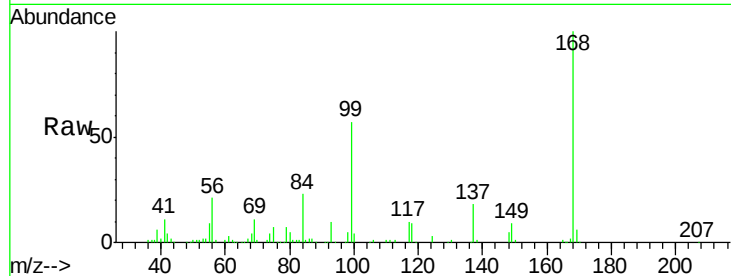
99 56.9 45.0 67.6

Manual Integrations

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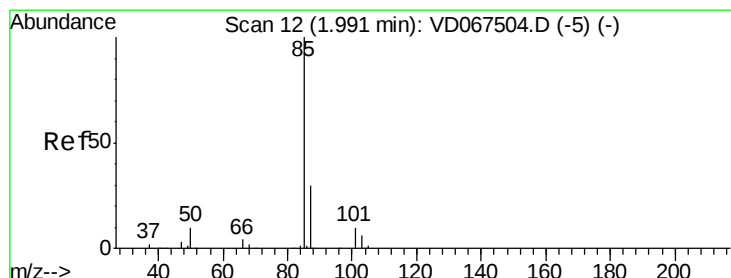
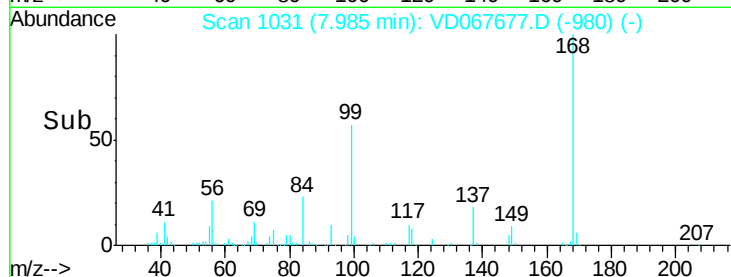
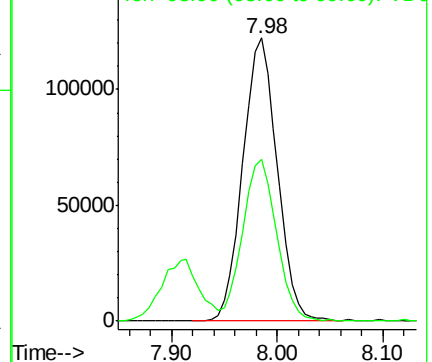
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.867 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067677.D

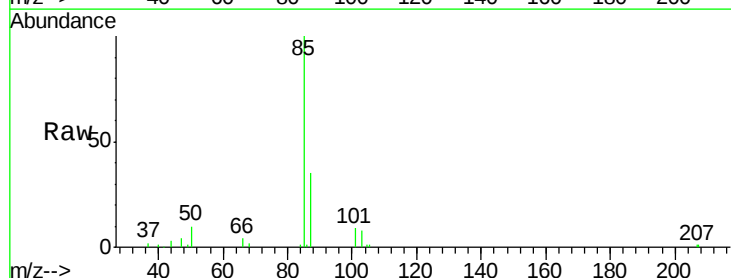
Acq: 18 Nov 2020 11:20

Tgt Ion: 85 Resp: 52524

Ion Ratio Lower Upper

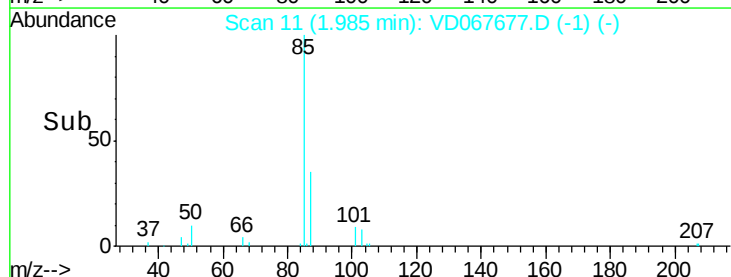
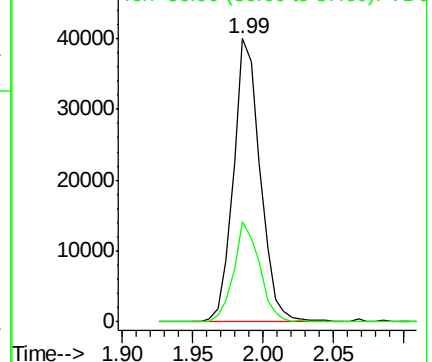
85 100

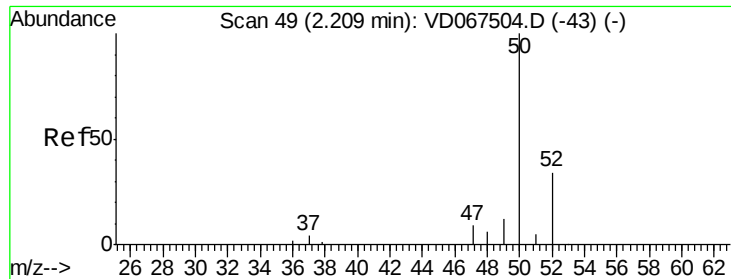
87 35.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.077 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 50 Resp: 32779

Ion Ratio Lower Upper

50 100

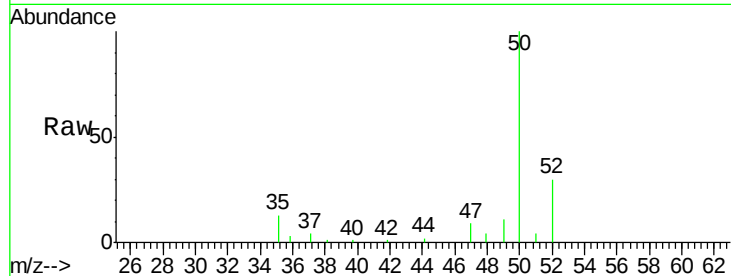
52 30.3 27.3 40.9

Manual Integrations

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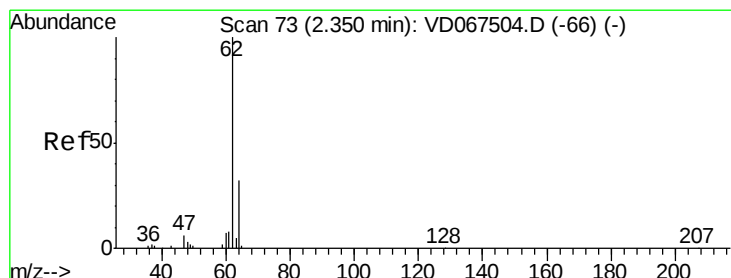
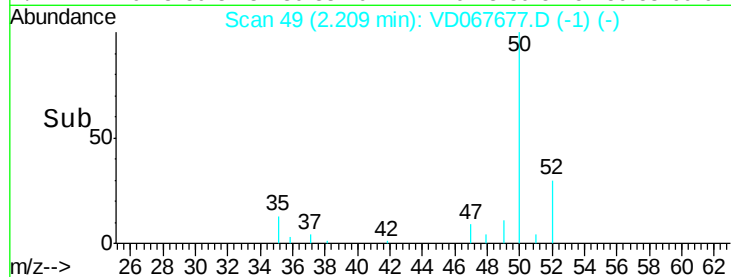
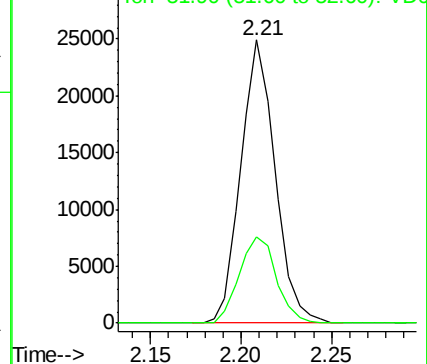
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.163 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067677.D

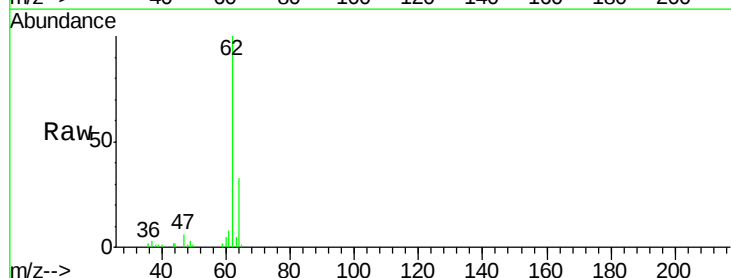
Acq: 18 Nov 2020 11:20

Tgt Ion: 62 Resp: 36710

Ion Ratio Lower Upper

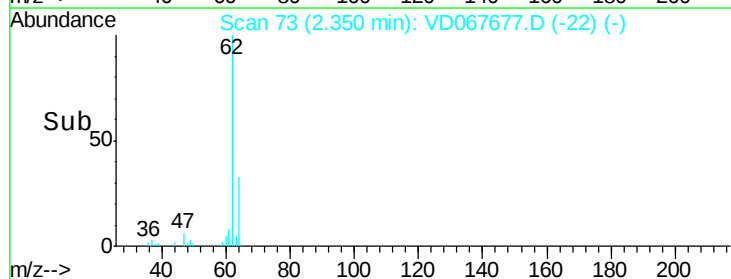
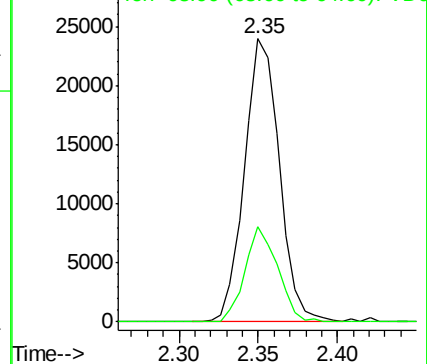
62 100

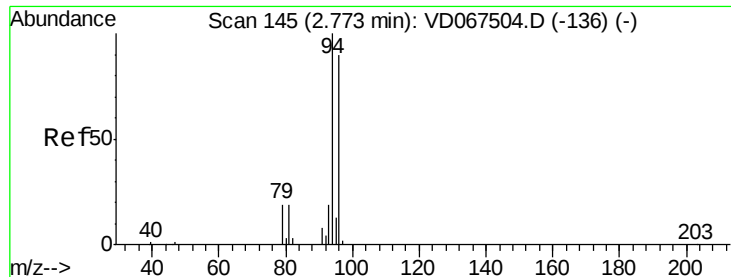
64 33.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.377 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 94 Resp: 31638

Ion Ratio Lower Upper

94 100

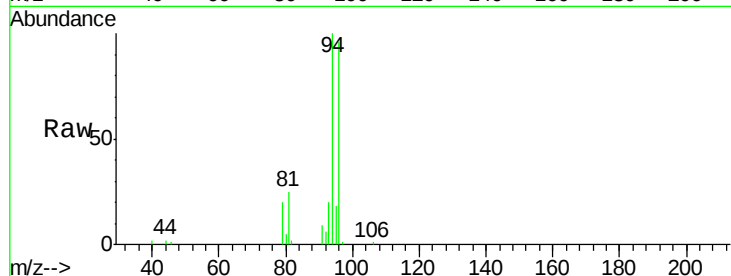
96 95.7 72.2 108.2

Manual Integrations

APPROVED

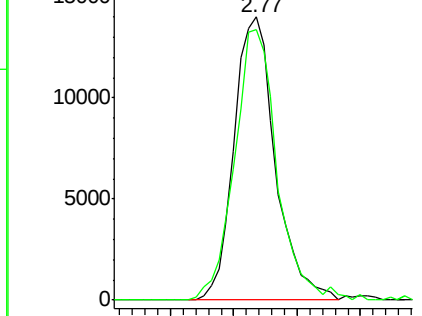
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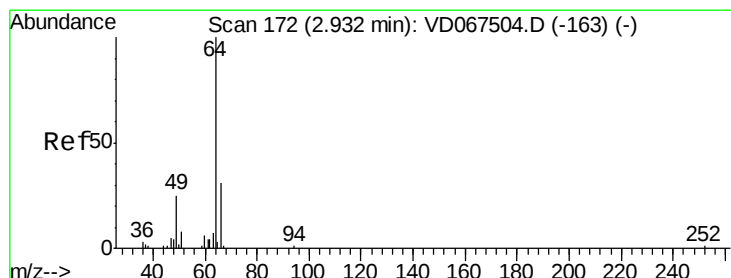
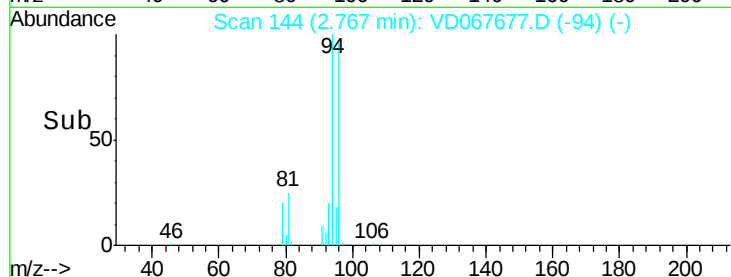


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 19.699 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067677.D

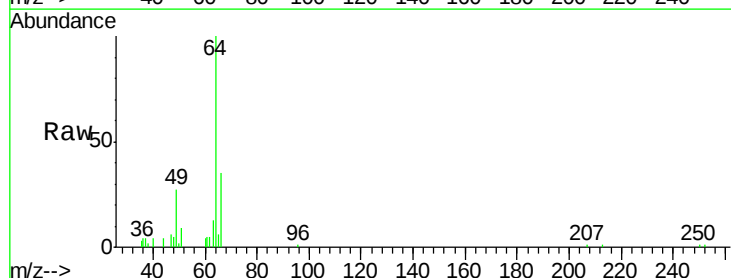
Acq: 18 Nov 2020 11:20

Tgt Ion: 64 Resp: 23265

Ion Ratio Lower Upper

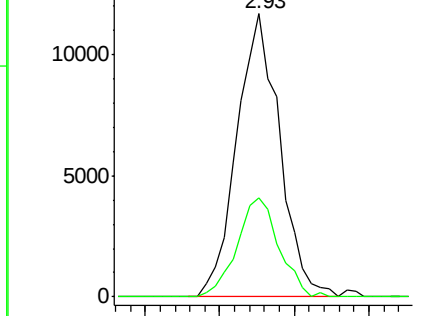
64 100

66 35.2 24.6 36.8

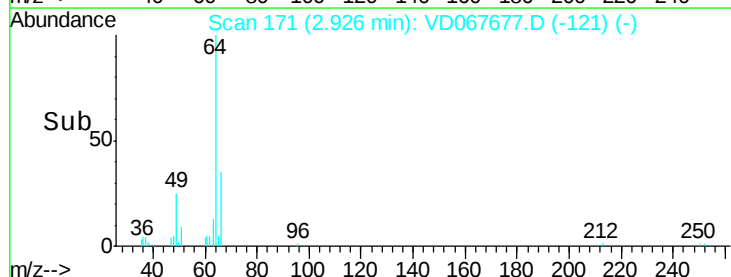


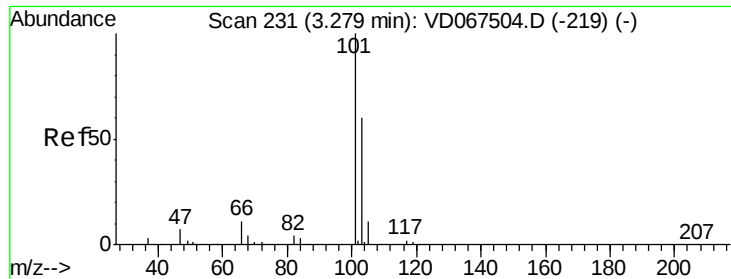
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

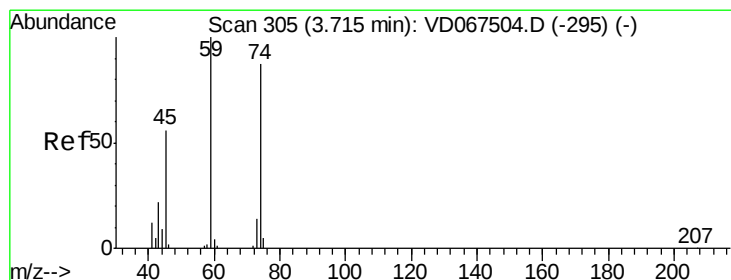
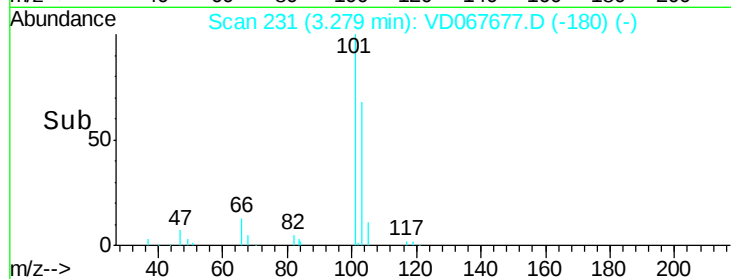
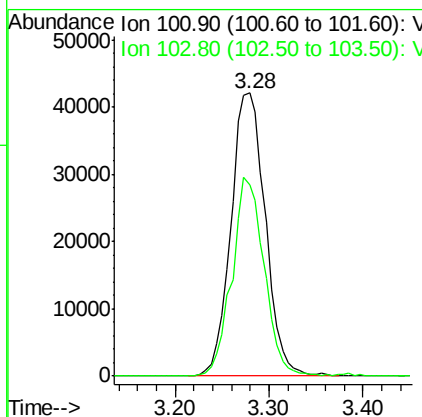
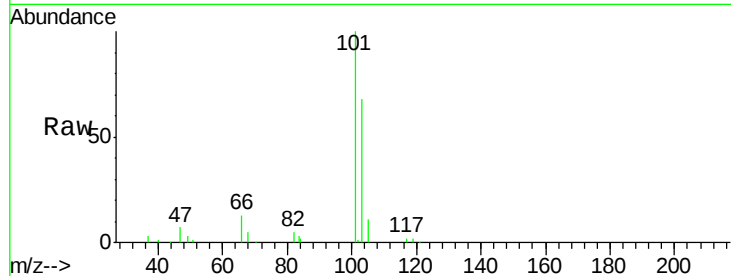
Trichlorofluoromethane
Concen: 21.516 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
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VD1118SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	48.1	72.1

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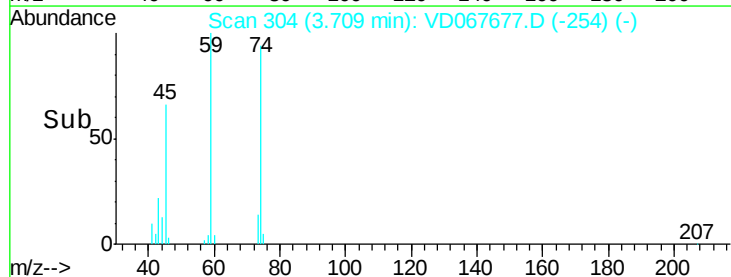
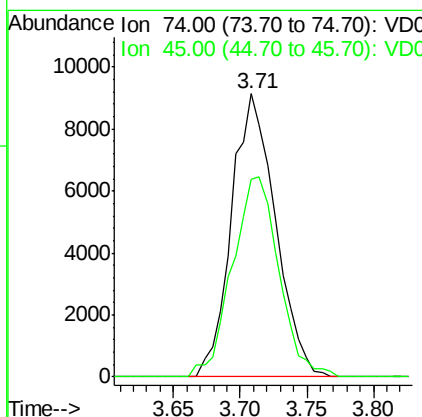
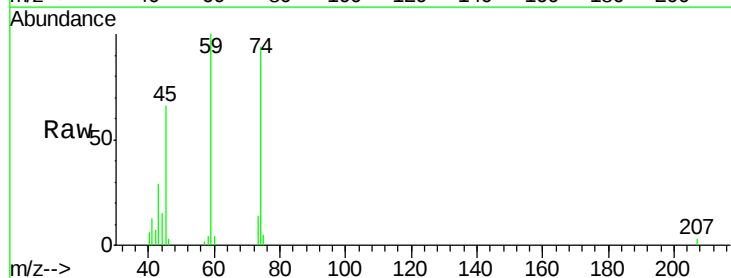
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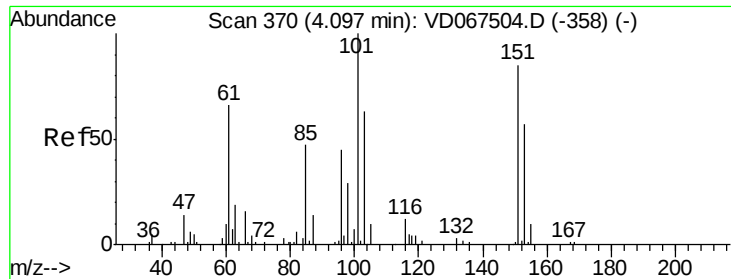


#8

Diethyl Ether
Concen: 20.948 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.6	38.2	114.6





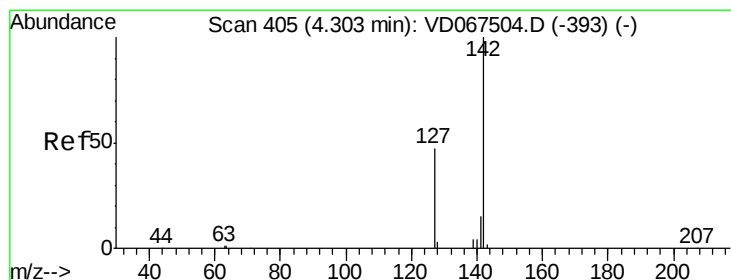
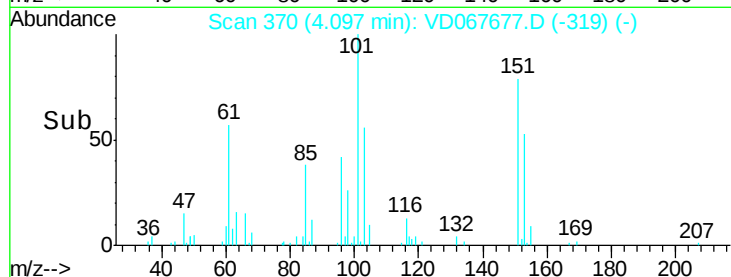
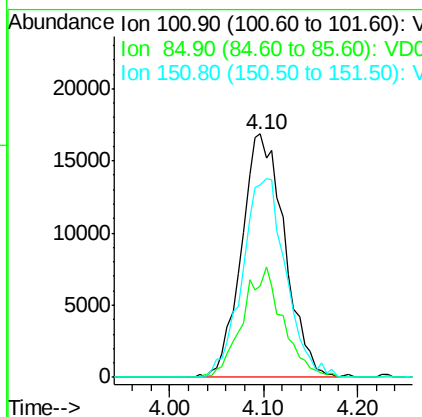
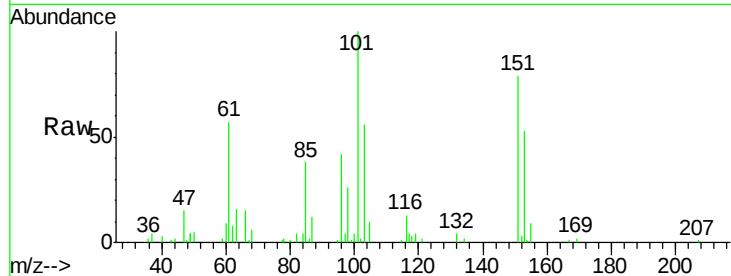
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.414 ug/l
RT: 4.10 min Scan# 370
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	53615		
85	42.2		34.4	51.6
151	82.5		68.1	102.1

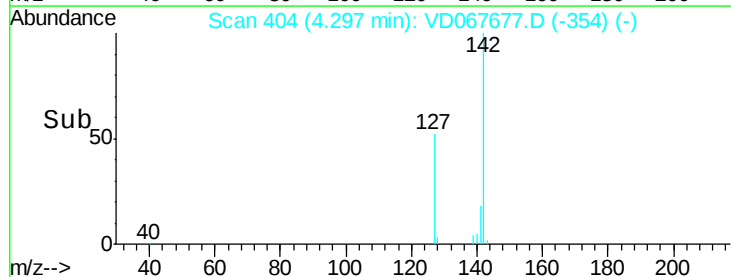
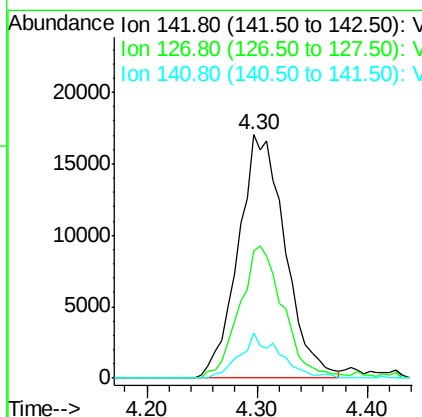
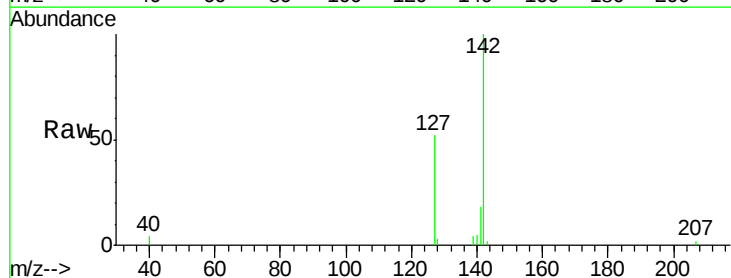
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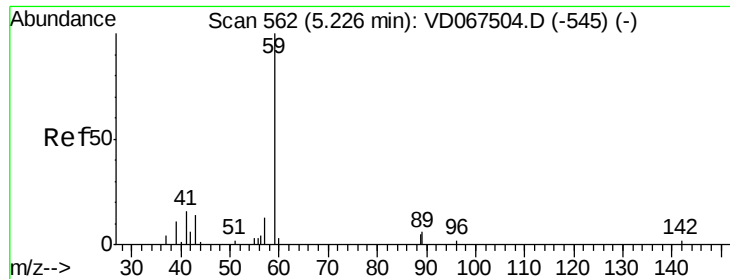
MMDadoda
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#10
Methyl Iodide
Concen: 18.904 ug/l
RT: 4.30 min Scan# 404
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	50727		
127	50.8		40.0	60.0
141	15.6		11.7	17.5





#11

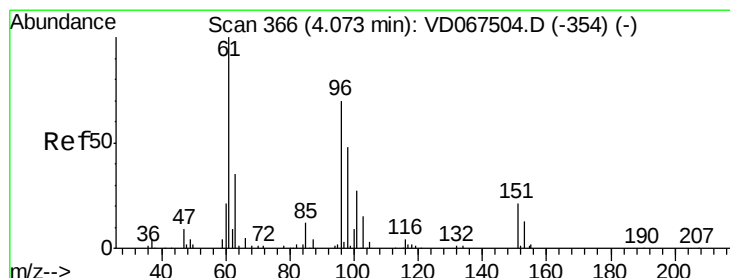
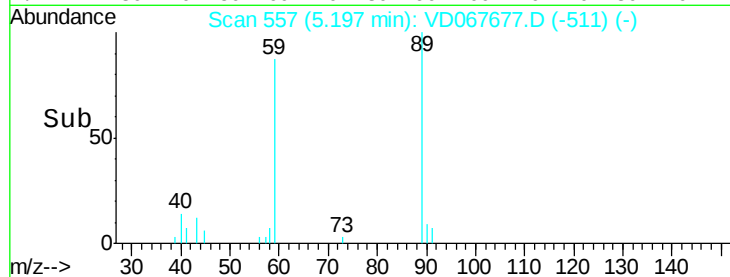
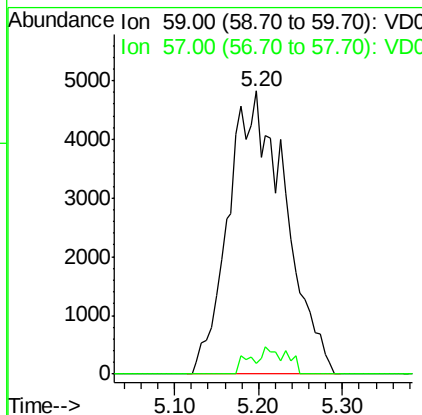
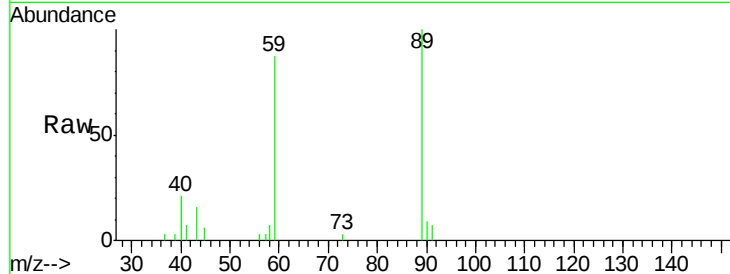
Tert butyl alcohol
Concen: 214.598 ug/l m
RT: 5.20 min Scan# 557
Delta R.T. -0.03 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

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

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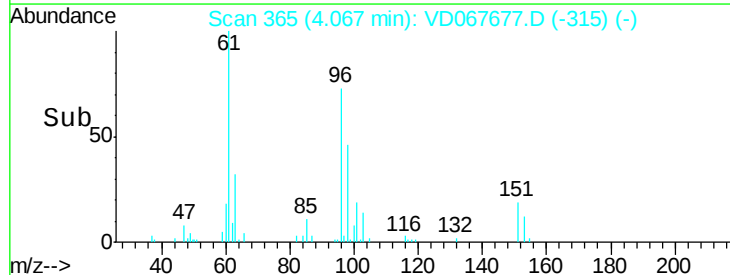
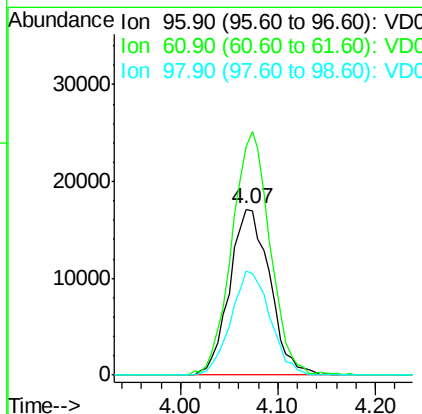
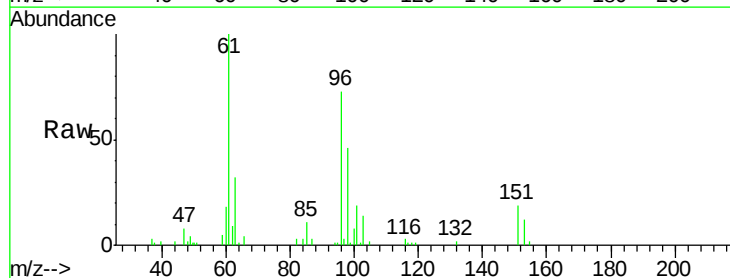
MMDadoda
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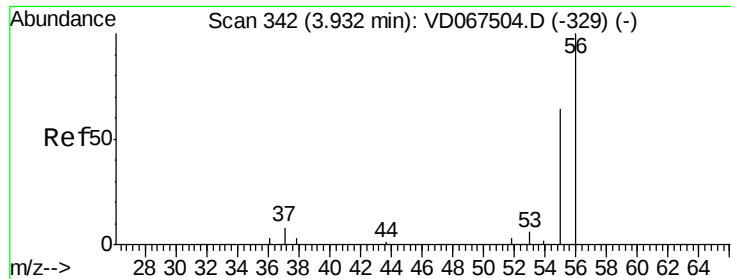


#12

1,1-Dichloroethene
Concen: 21.226 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.6	114.5	171.7
98	62.8	54.5	81.7





#13

Acrolein

Concen: 62.281 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 56 Resp: 4098

Ion Ratio Lower Upper

56 100

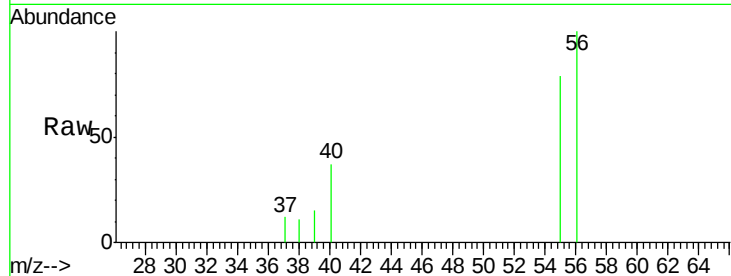
55 77.4 55.8 83.8

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

1500

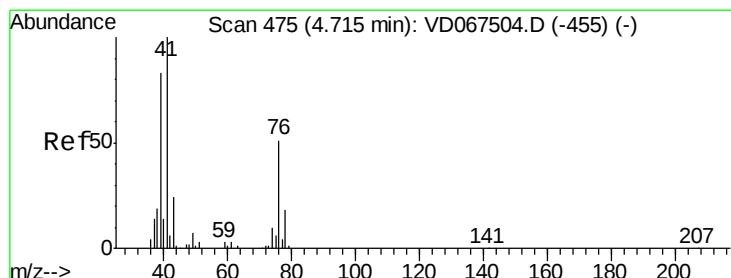
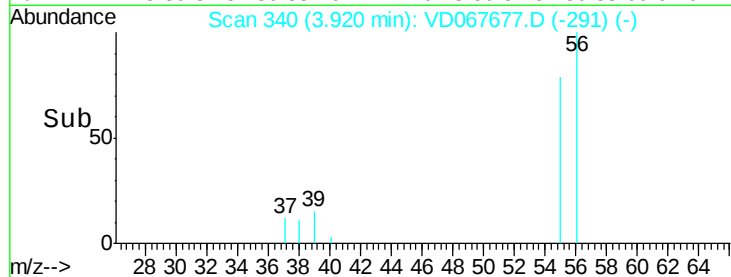
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 19.832 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

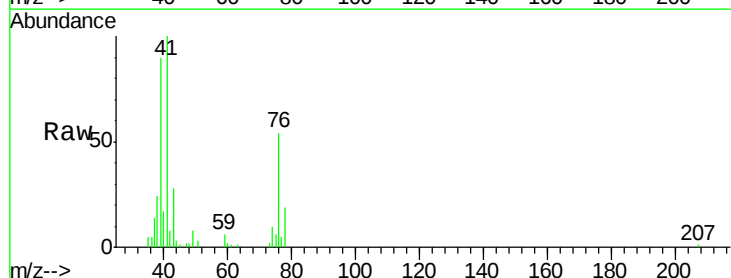
Tgt Ion: 41 Resp: 48881

Ion Ratio Lower Upper

41 100

39 87.9 67.4 101.0

76 54.1 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

20000

15000

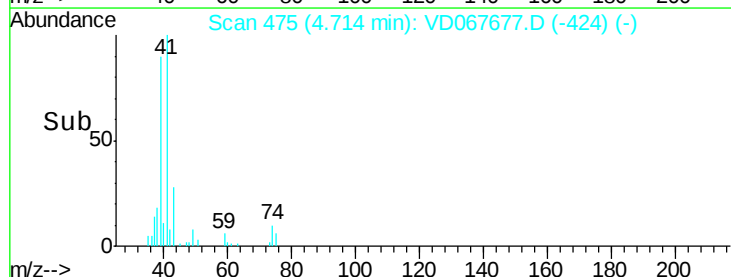
10000

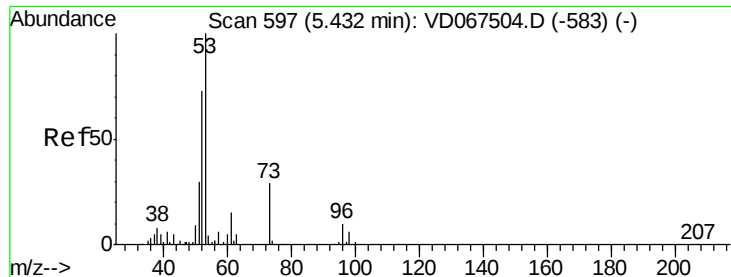
5000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 104.671 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

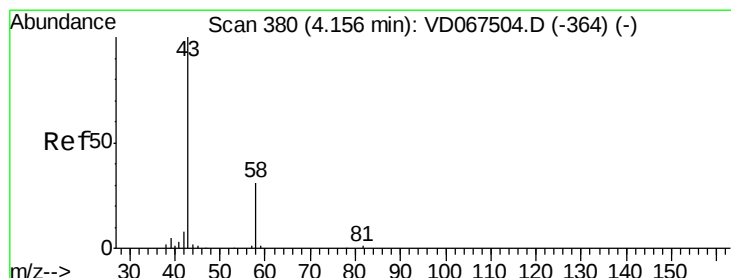
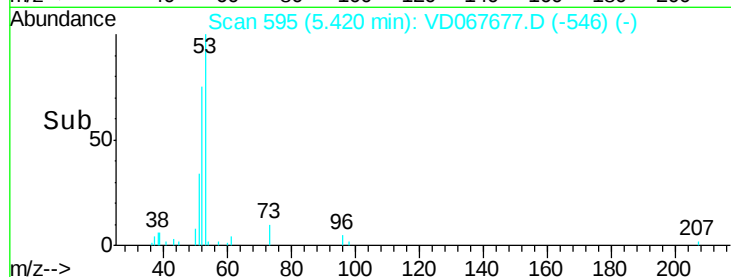
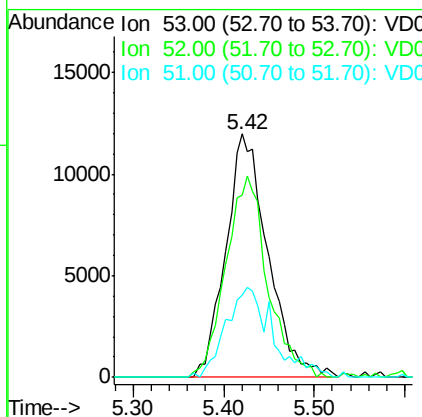
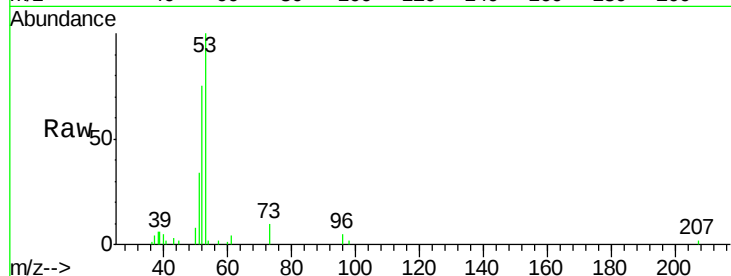
ClientSampleId :

VD1118SBS01

Tot Ion:	53	Resp:	38671
Ion Ratio	Lower	Upper	
53	100		
52	81.8	64.8	97.2
51	40.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 93.359 ug/l

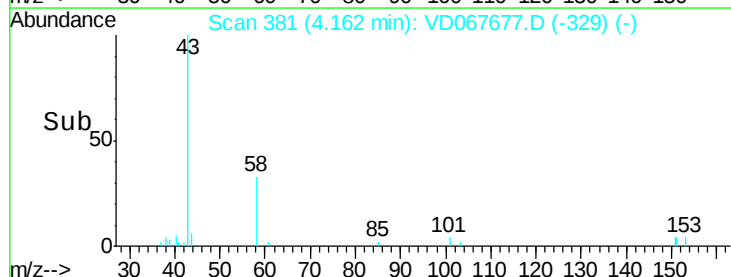
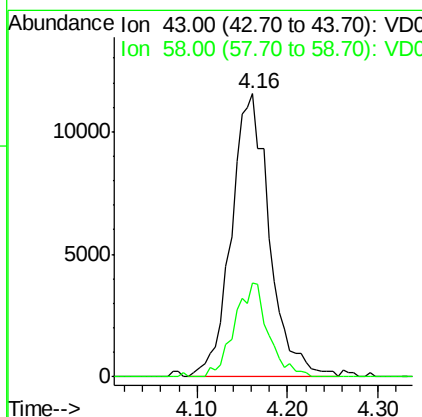
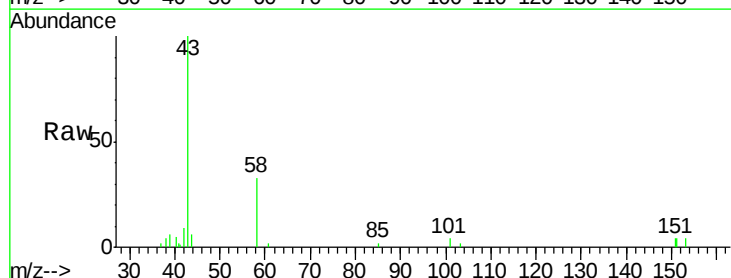
RT: 4.16 min Scan# 381

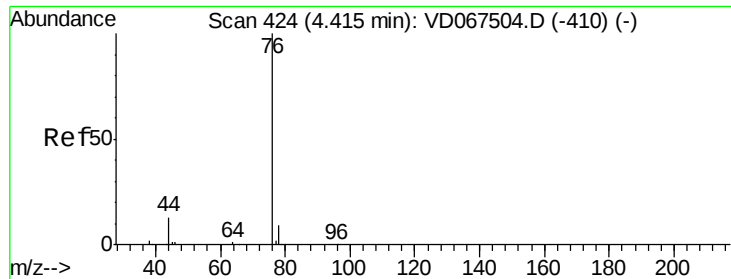
Delta R.T. 0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Tgt Ion:	43	Resp:	33706
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.2	37.8





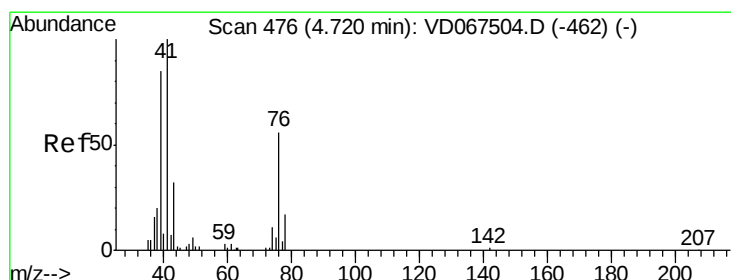
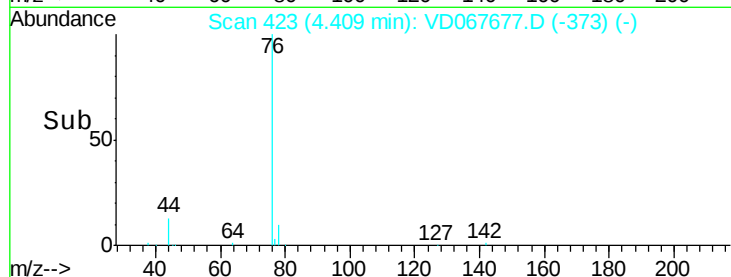
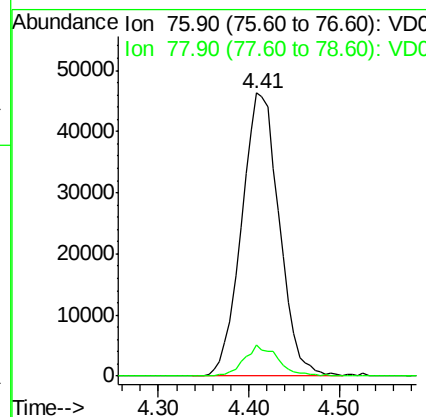
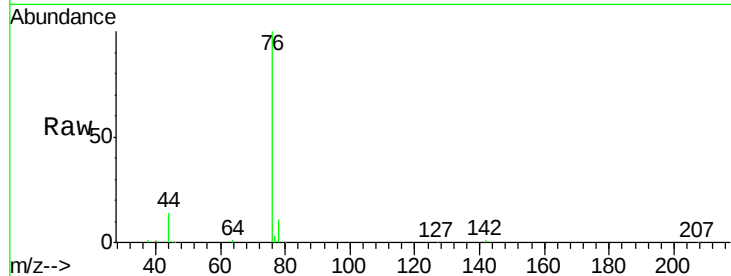
#17
Carbon Disulfide
Concen: 18.880 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.9	7.2	10.8#

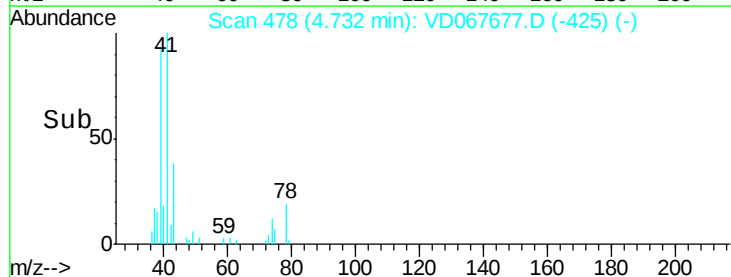
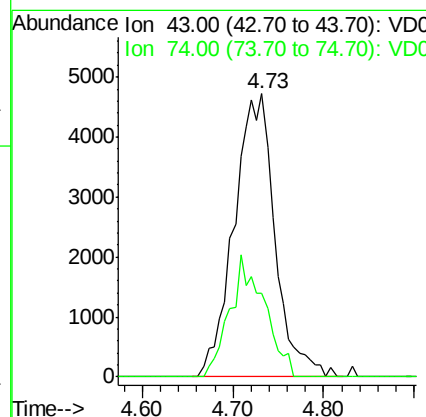
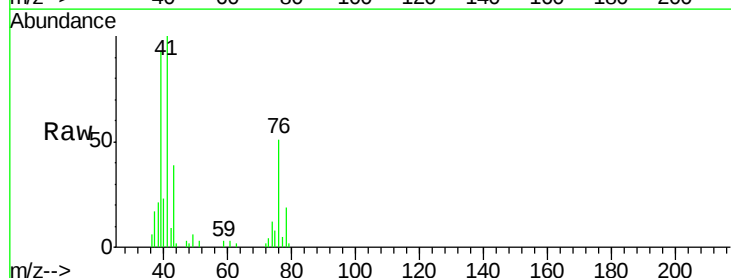
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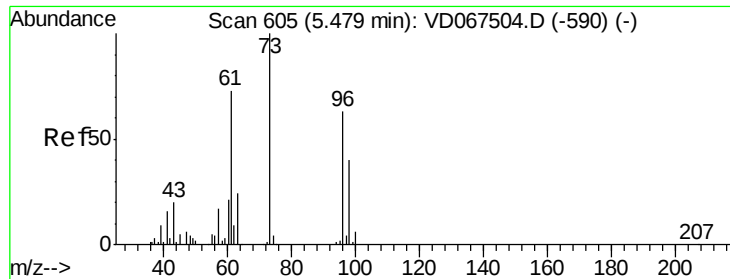
MMDadoda
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#18
Methyl Acetate
Concen: 19.772 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	0.0	27.2	40.8#





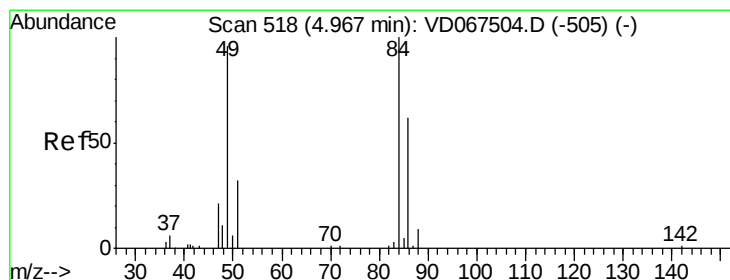
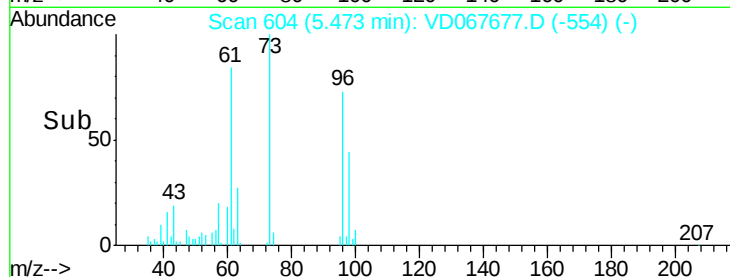
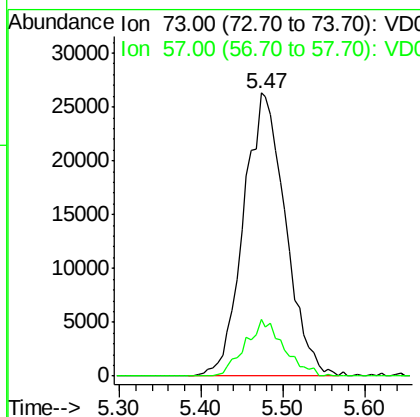
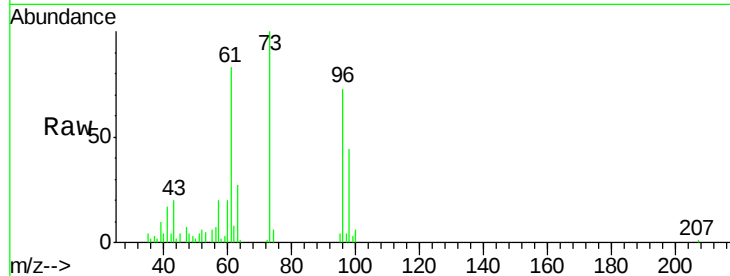
#19
Methyl tert-butyl Ether
Concen: 20.613 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 73 Resp: 93637
Ion Ratio Lower Upper
73 100
57 20.2 13.4 20.0#

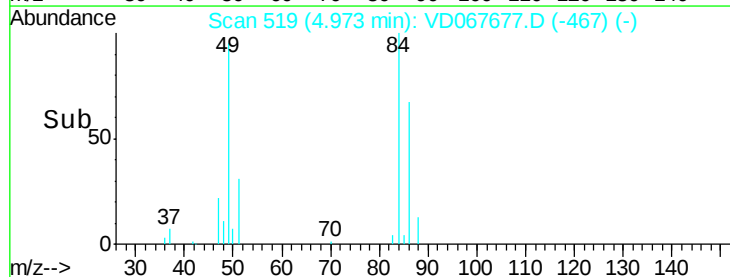
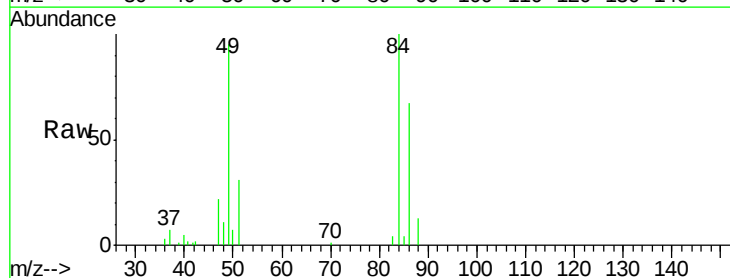
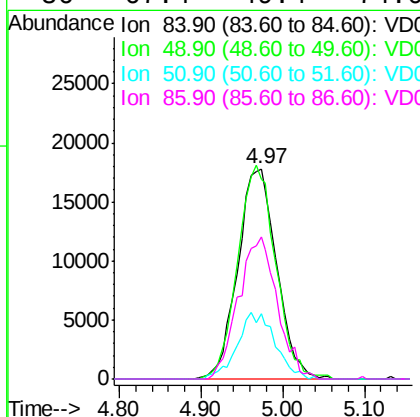
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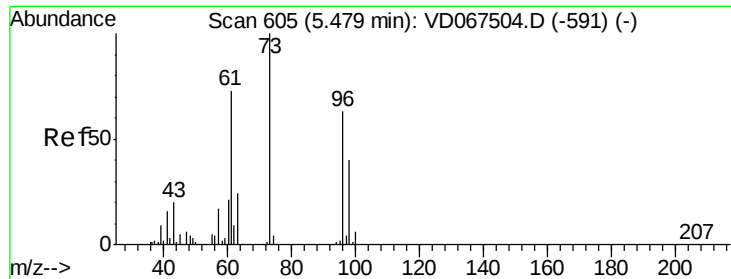
MMDadoda
11/19/2020 11:07:05 AM



#20
Methylene Chloride
Concen: 23.076 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion: 84 Resp: 58850
Ion Ratio Lower Upper
84 100
49 95.1 77.0 115.4
51 31.1 25.4 38.2
86 67.4 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.919 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

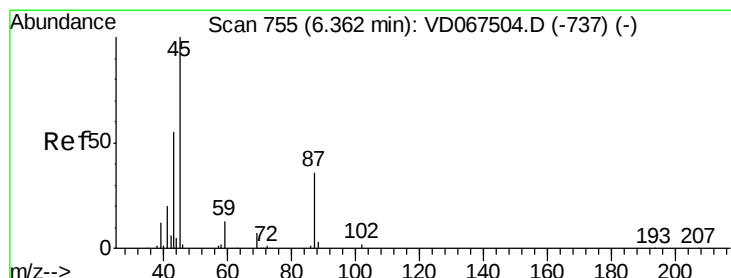
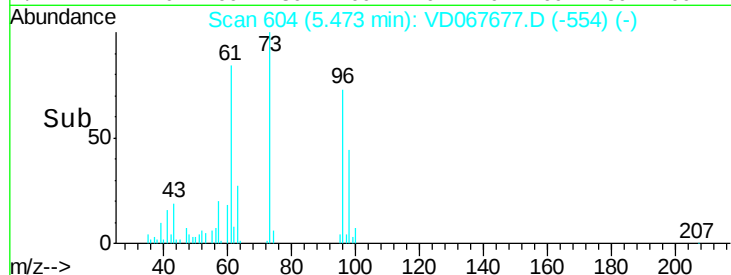
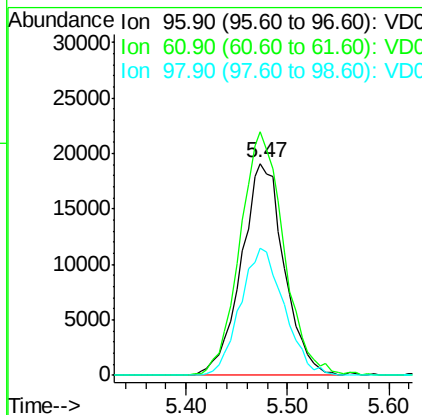
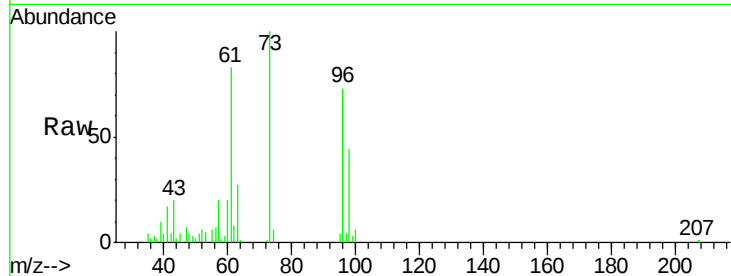
ClientSampleId :

VD1118SBS01

Tot Ion:	96	Resp:	56113
Ion	Ratio	Lower	Upper
96	100		
61	115.0	93.0	139.6
98	60.1	50.9	76.3

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#22

Diisopropyl ether

Concen: 21.125 ug/l

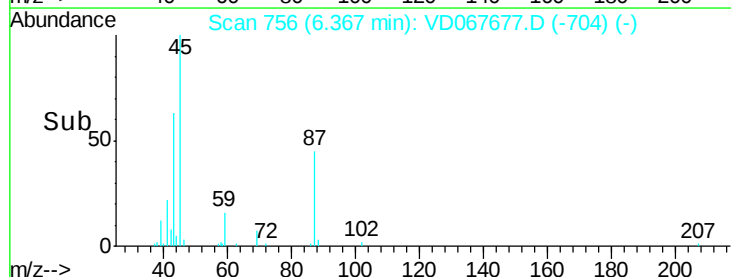
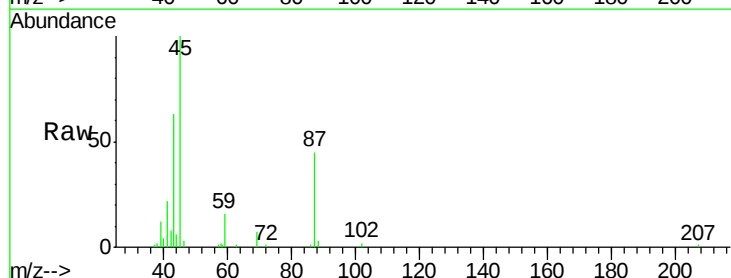
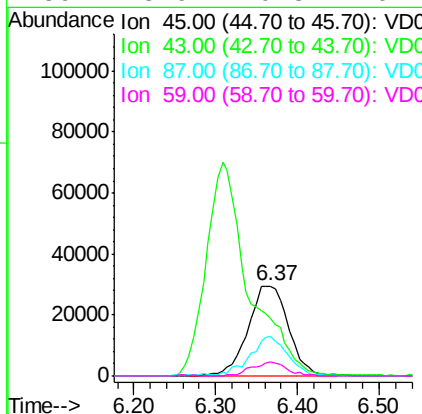
RT: 6.37 min Scan# 756

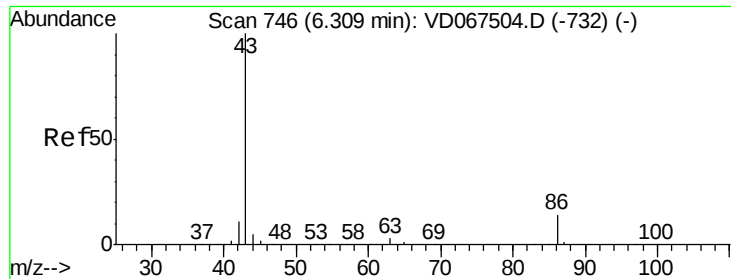
Delta R.T. 0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Tgt Ion:	45	Resp:	101464
Ion	Ratio	Lower	Upper
45	100		
43	61.0	46.2	69.4
87	44.6	29.4	44.2#
59	15.9	10.8	16.2





#23

Vinyl Acetate

Concen: 101.755 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 43 Resp: 255832

Ion Ratio Lower Upper

43 100

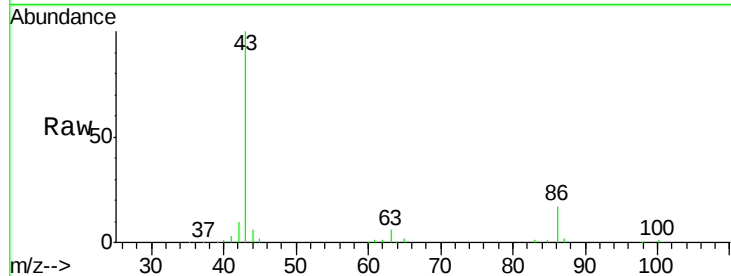
86 16.6 11.6 17.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

80000

60000

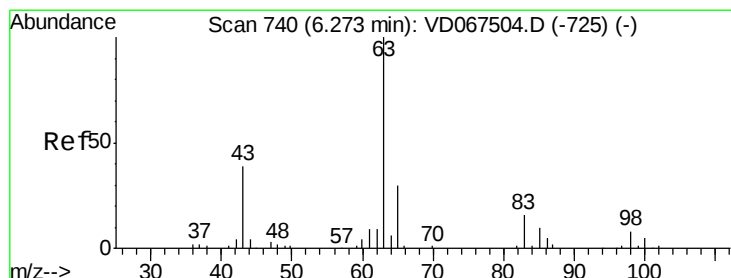
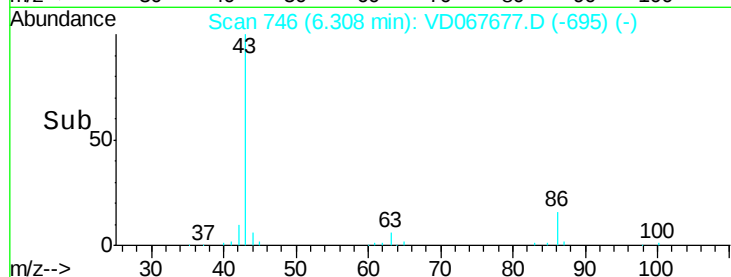
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.048 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

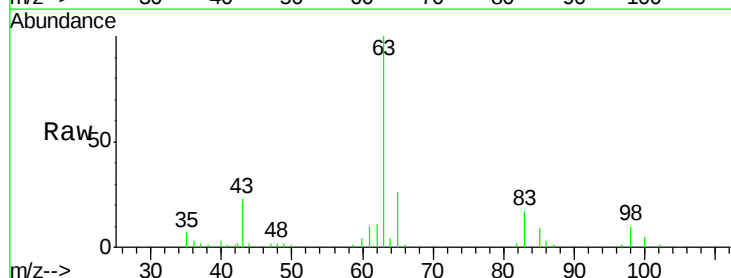
Tgt Ion: 63 Resp: 82706

Ion Ratio Lower Upper

63 100

98 10.2 3.9 11.5

100 4.9 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

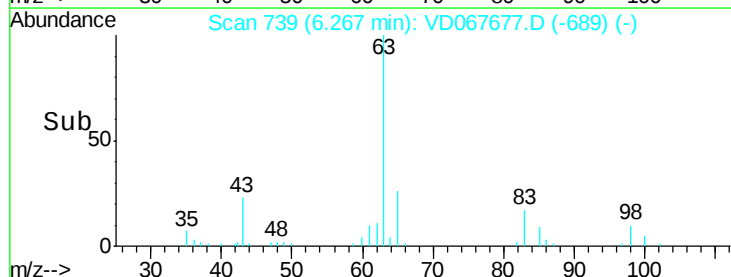
20000

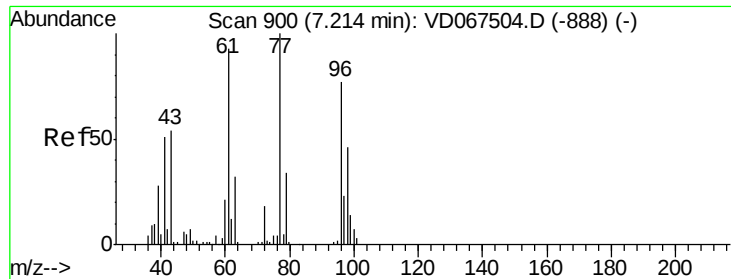
10000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 100.027 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBSD01

Tot Ion: 43 Resp: 38588

Ion Ratio Lower Upper

43 100

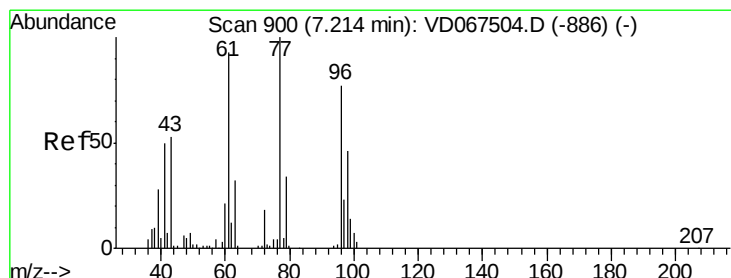
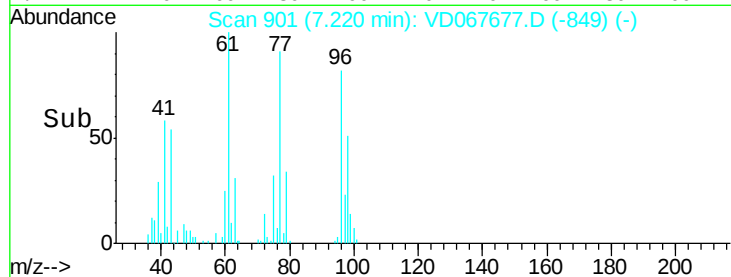
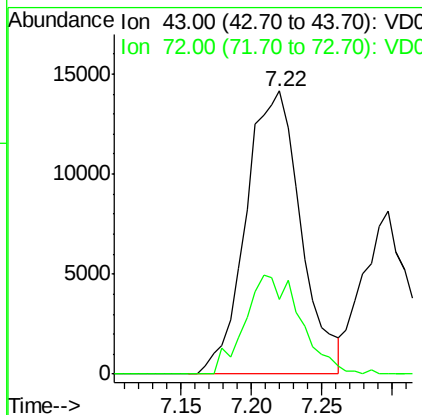
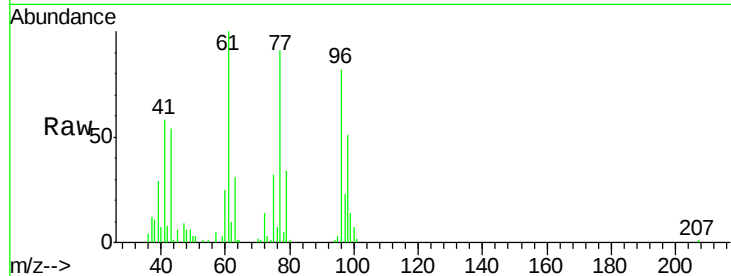
72 26.2 26.4 39.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.740 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067677.D

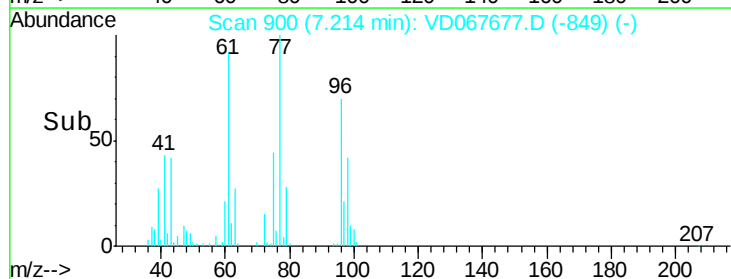
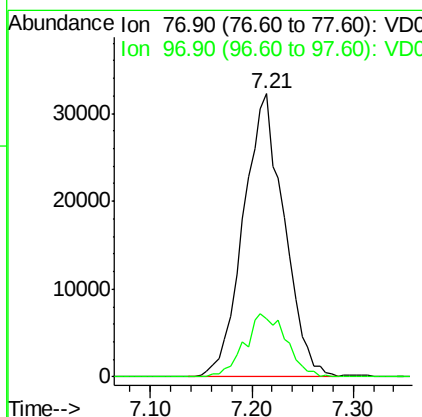
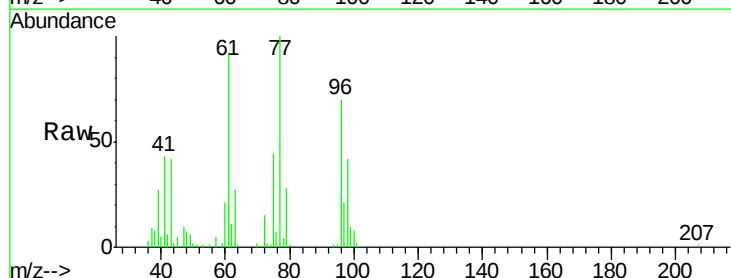
Acq: 18 Nov 2020 11:20

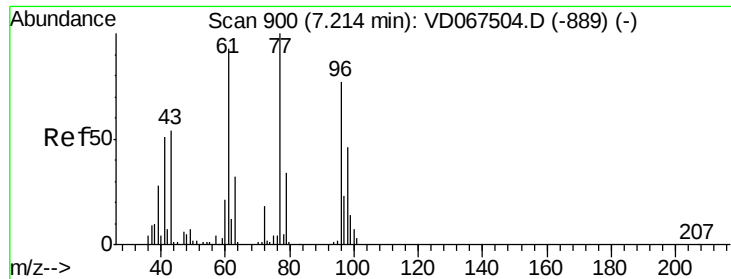
Tgt Ion: 77 Resp: 90155

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





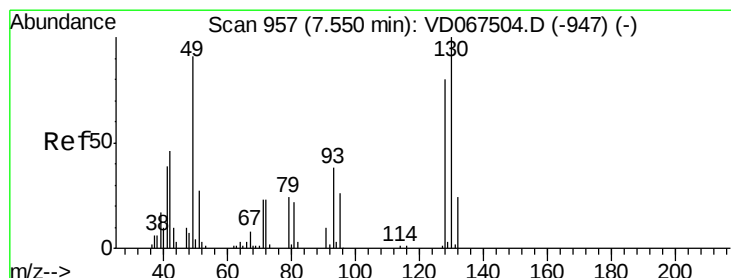
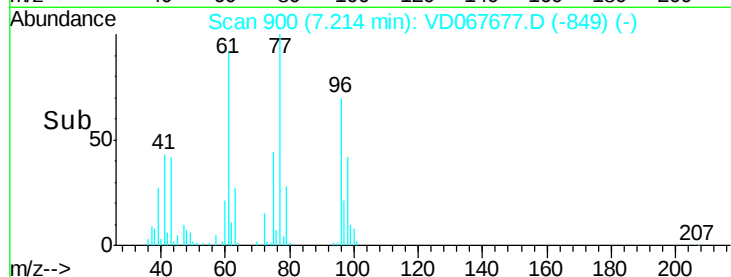
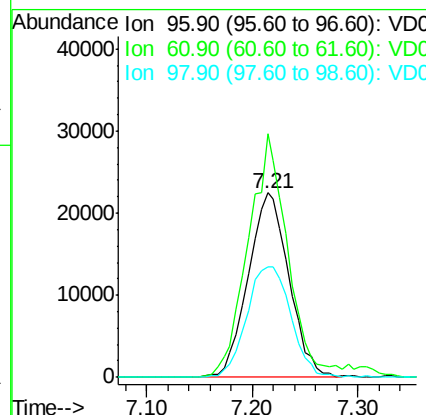
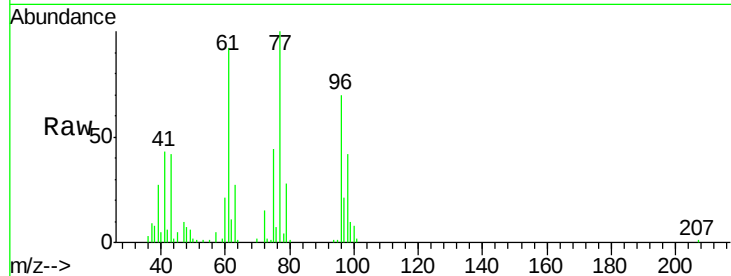
#27
 cis-1,2-Dichloroethene
 Concen: 21.665 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.6	0.0	251.6
98	64.6	0.0	128.0

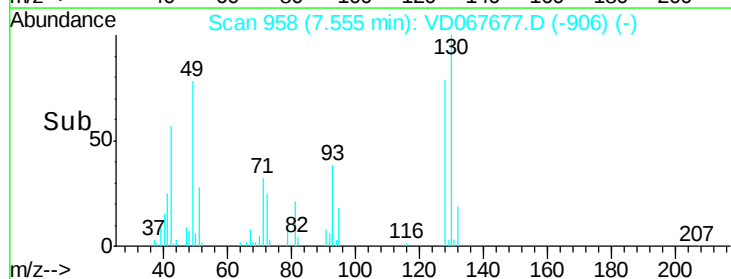
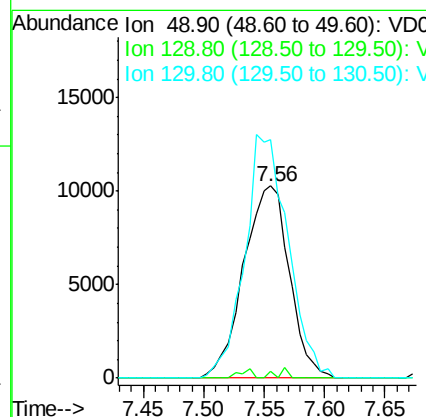
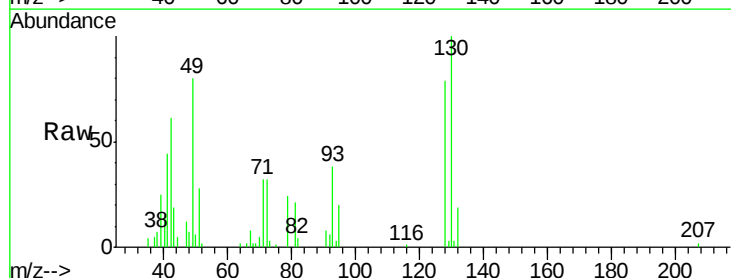
Manual Integrations
 APPROVED

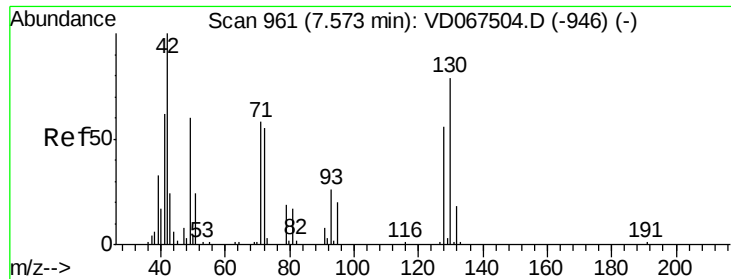
MMDadoda
 11/19/2020 11:07:05 AM



#28
 Bromochloromethane
 Concen: 19.353 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	6.4
130	0.0	94.6	142.0#





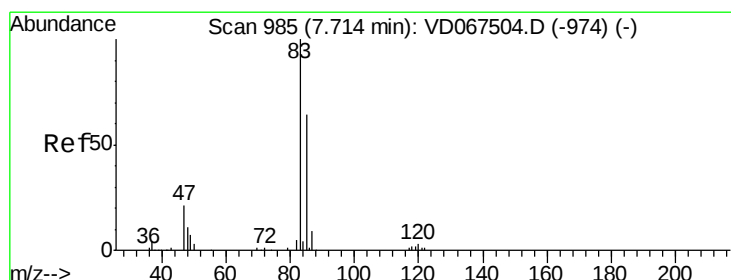
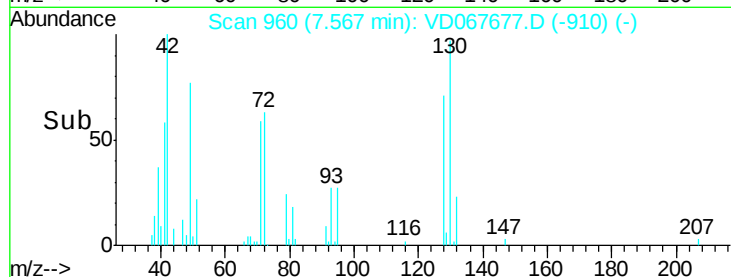
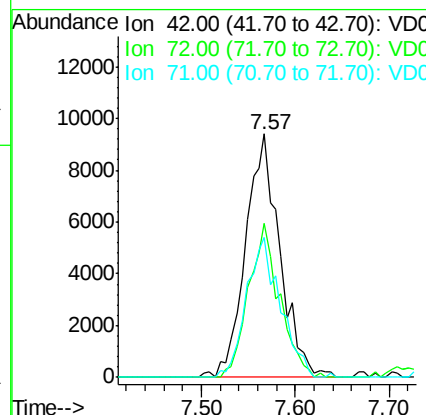
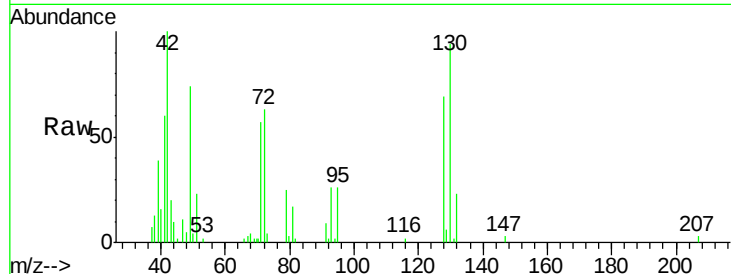
#29
Tetrahydrofuran
Concen: 102.635 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.1	46.3	69.5
71	56.8	44.0	66.0

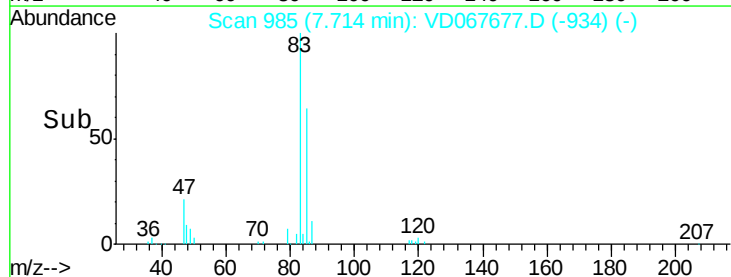
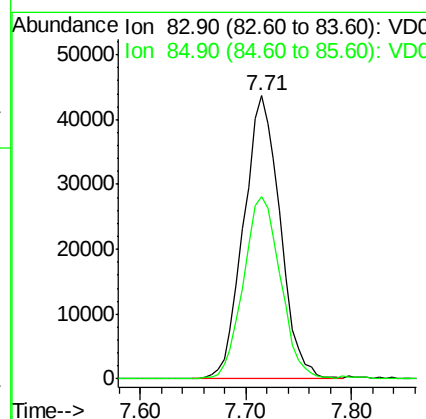
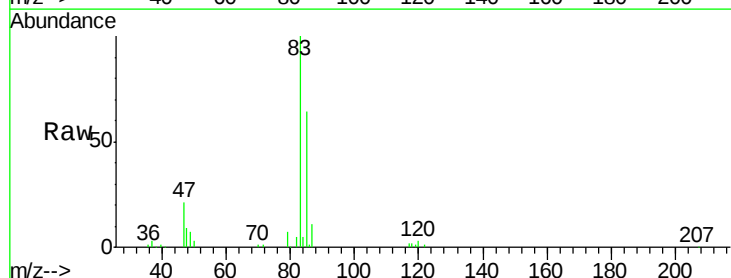
Manual Integrations
APPROVED

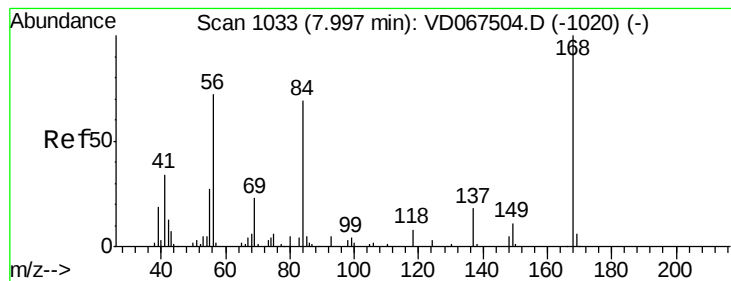
MMDadoda
11/19/2020 11:07:05 AM



#30
Chloroform
Concen: 22.347 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3





#31

Cyclohexane

Concen: 19.082 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

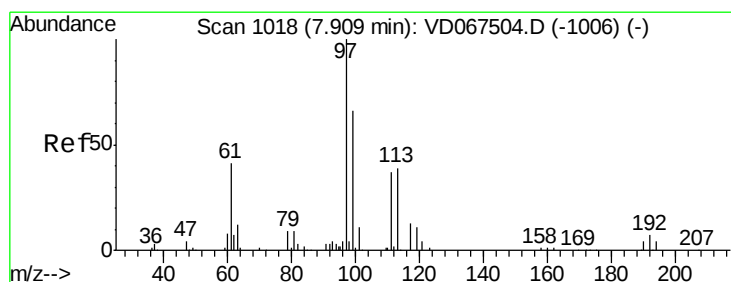
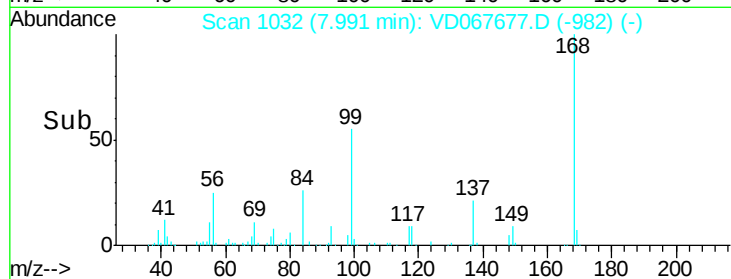
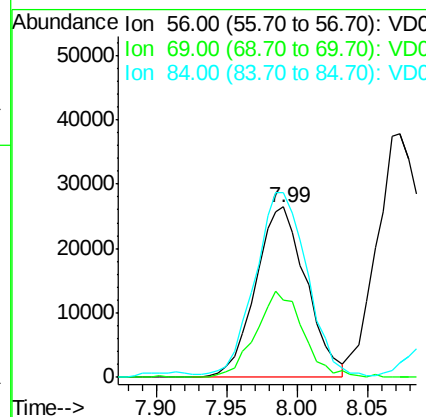
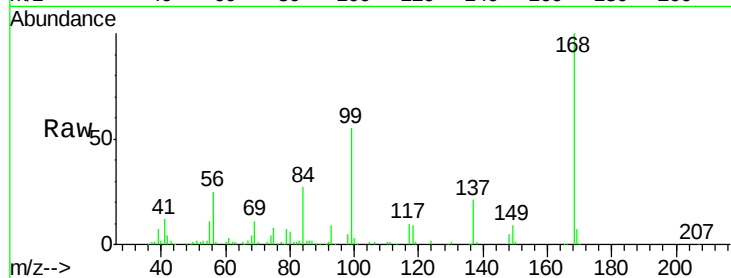
VD1118SBS01

Tot Ion: 56 Resp: 66772

Ion	Ratio	Lower	Upper
56	100		
69	45.7	25.9	38.9#
84	107.3	76.2	114.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.301 ug/l

RT: 7.90 min Scan# 1017

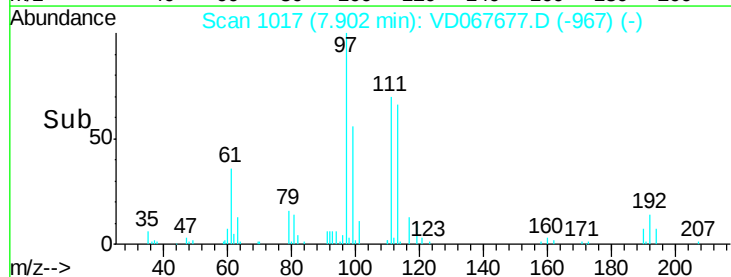
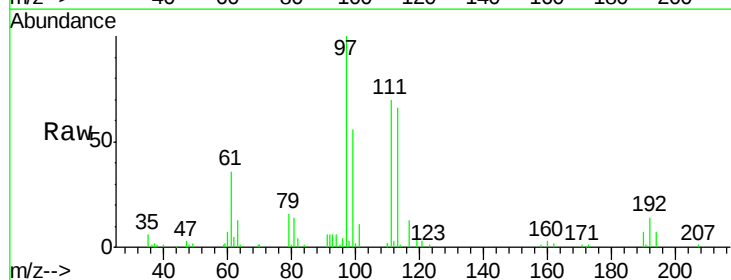
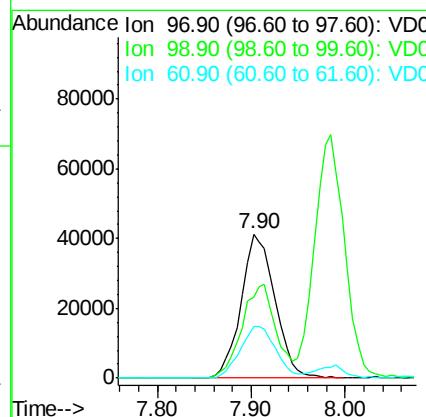
Delta R.T. -0.01 min

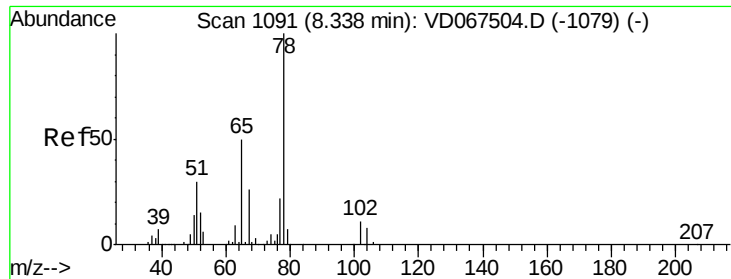
Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Tgt Ion: 97 Resp: 103028

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.6
61	37.9	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 50.007 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 65 Resp: 120647

Ion Ratio Lower Upper

65 100

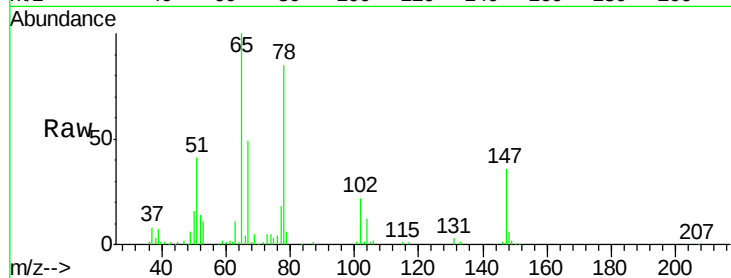
67 50.5 0.0 99.4

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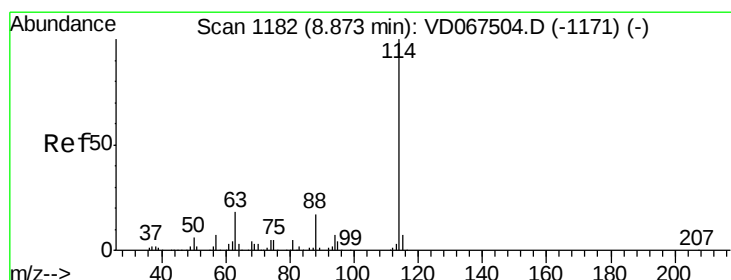
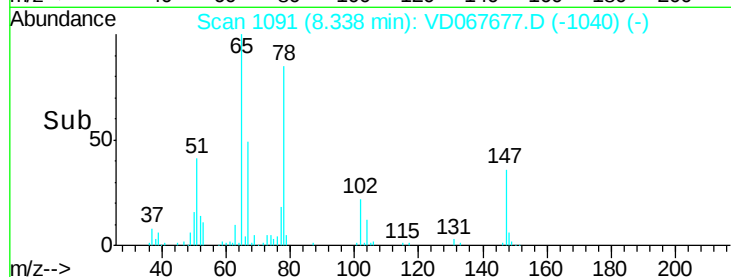
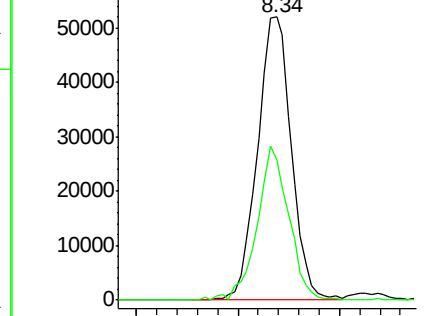
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

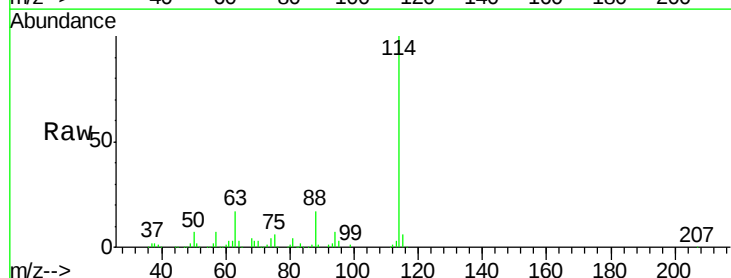
Tgt Ion: 114 Resp: 406475

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

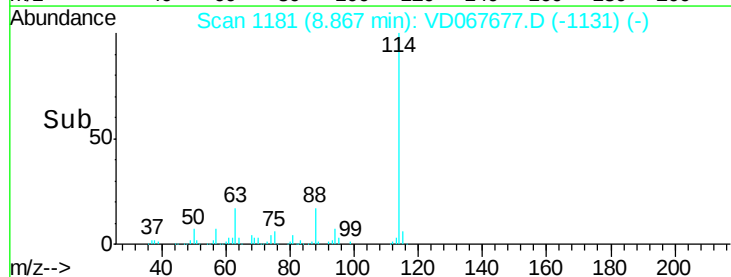
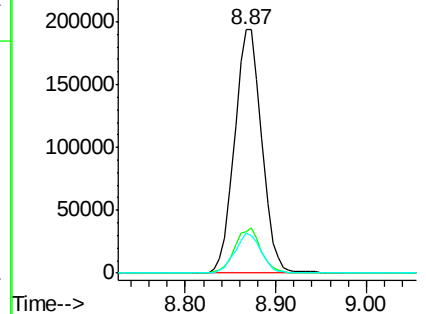
88 16.5 0.0 33.0

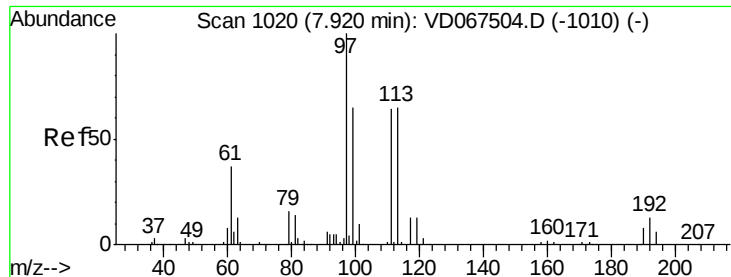


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





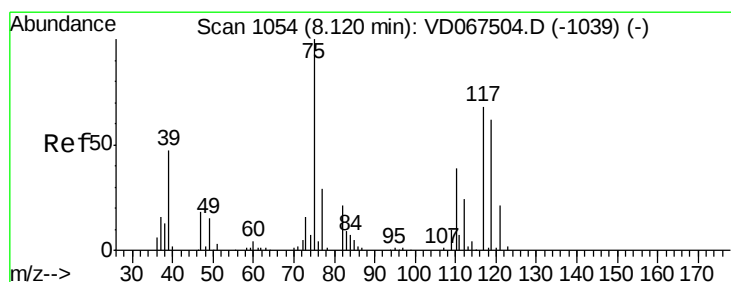
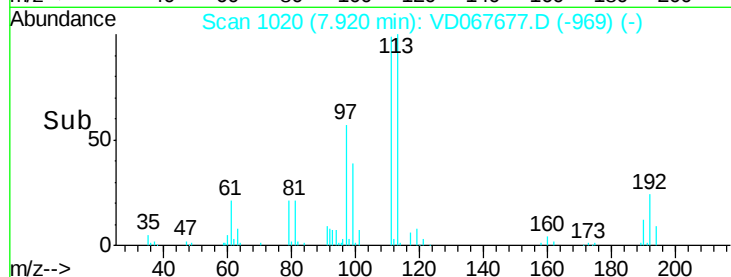
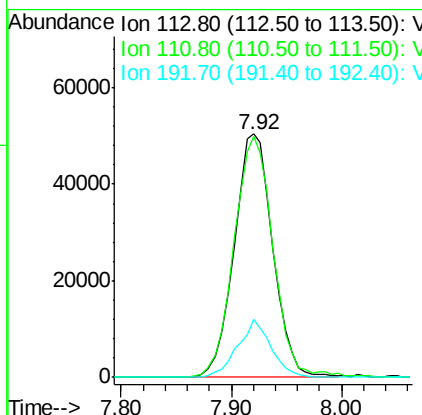
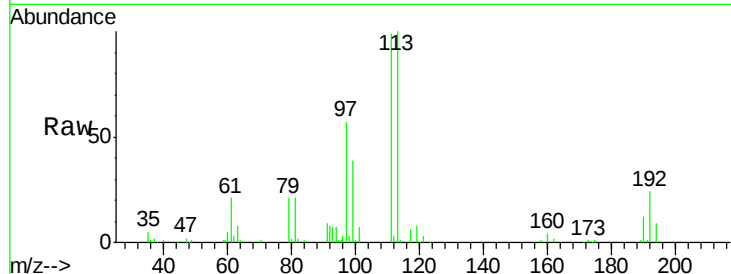
#35
Dibromofluoromethane
Concen: 50.392 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.0	120.0
192	20.6	16.3	24.5

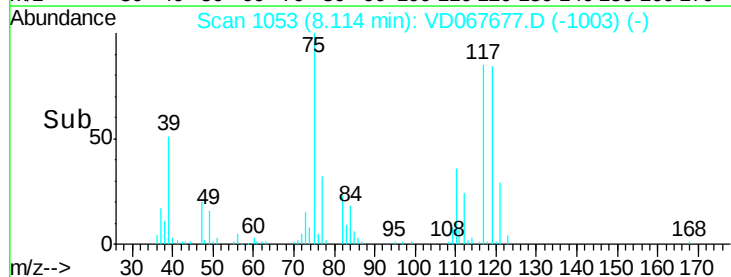
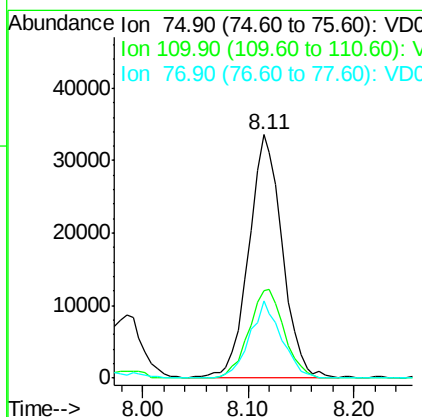
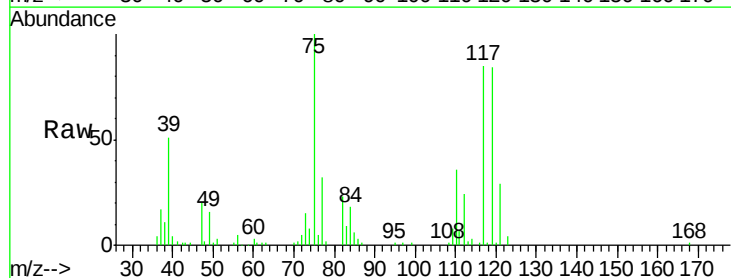
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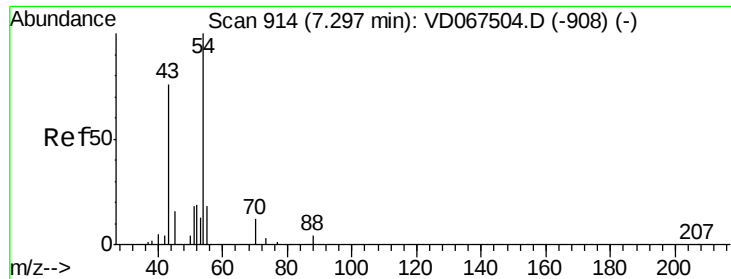
MMDadoda
11/19/2020 11:07:05 AM



#36
1,1-Dichloropropene
Concen: 21.347 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.9	59.7
77	30.0	24.8	37.2





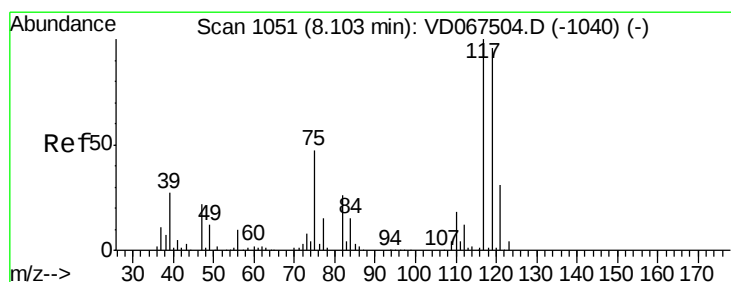
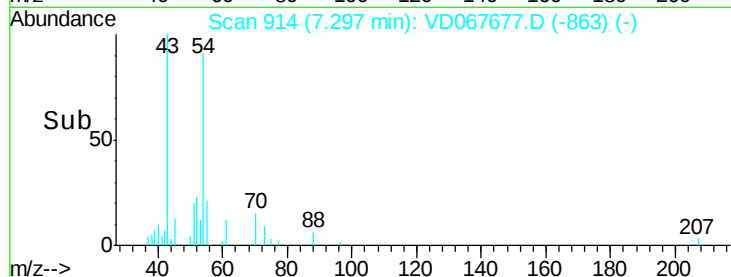
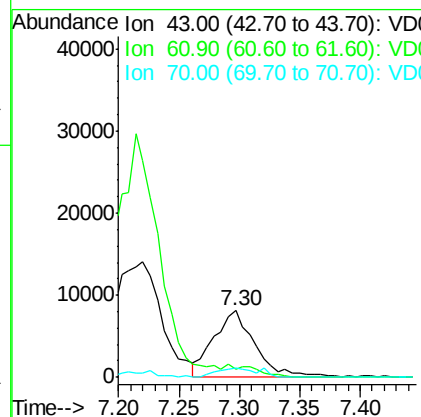
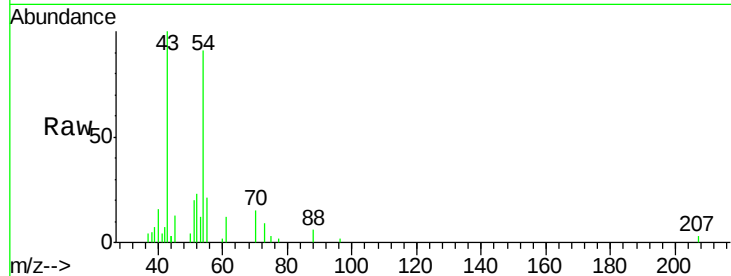
#37
Ethyl Acetate
Concen: 21.544 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	14.2	11.7	17.5

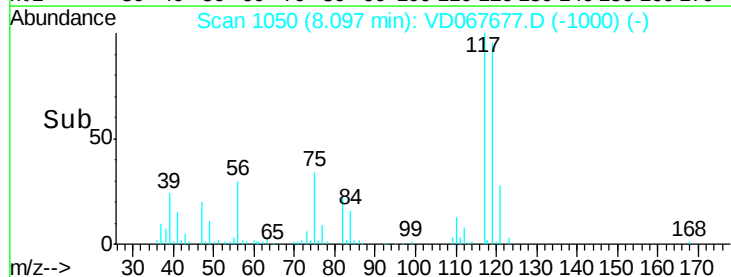
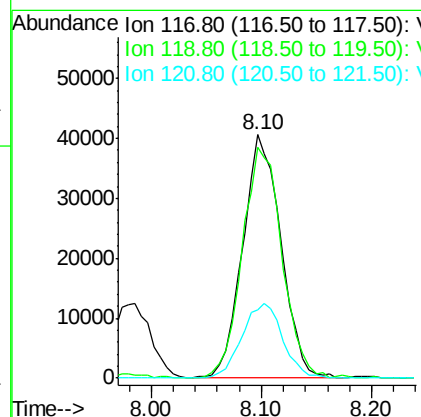
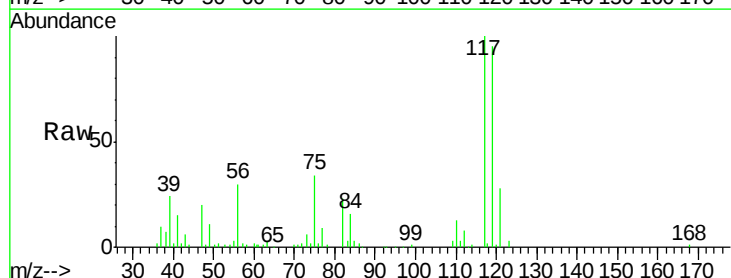
Manual Integrations
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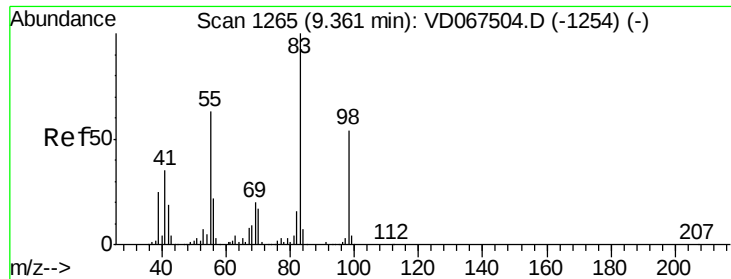
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.911 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.9	115.3
121	28.2	24.5	36.7





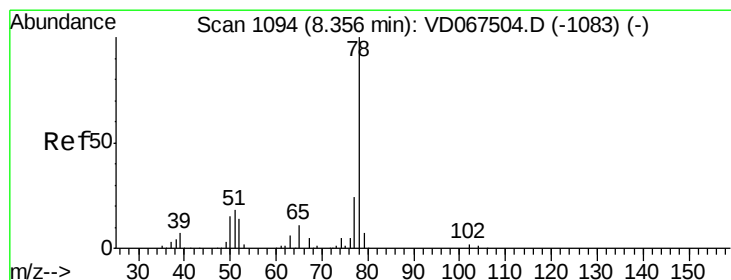
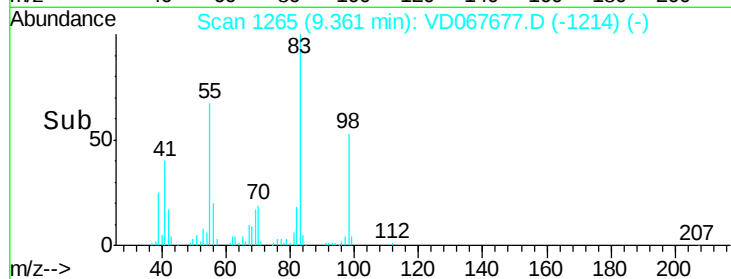
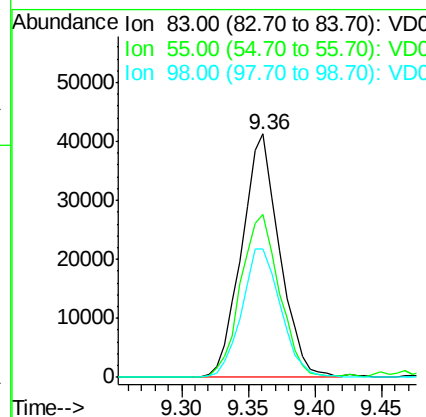
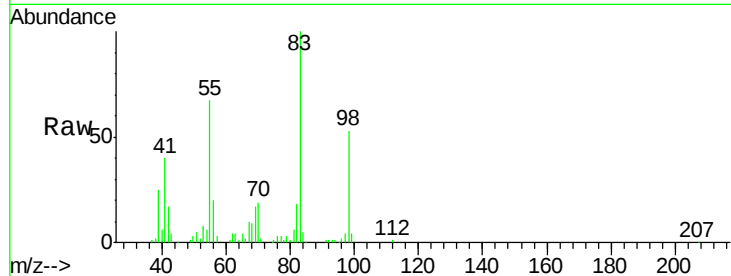
#39
Methvlcvclohexane
Concen: 19.834 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.8	50.5	75.7
98	52.5	43.4	65.0

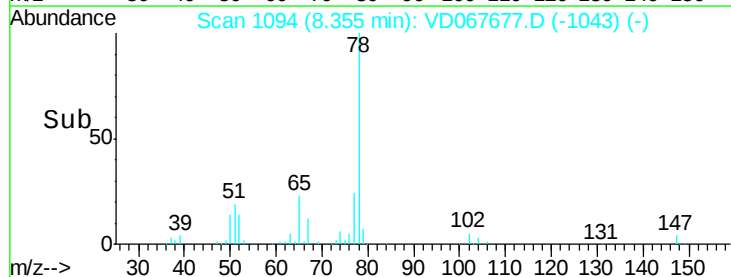
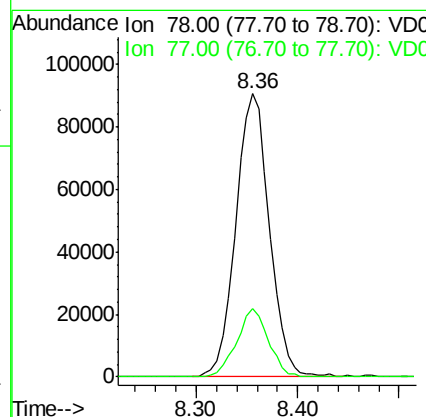
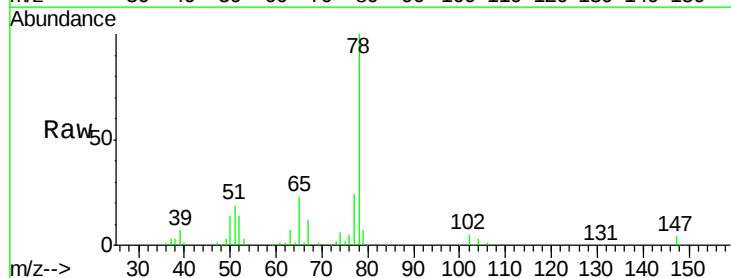
Manual Integrations
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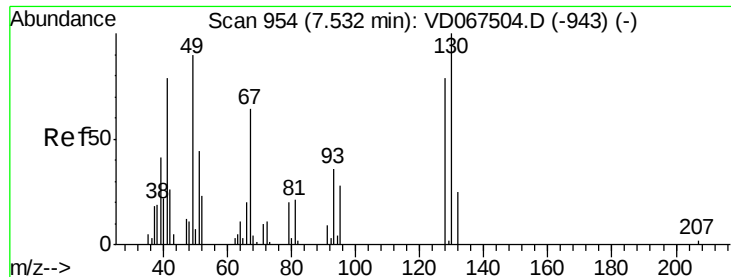
MMDadoda
11/19/2020 11:07:05 AM



#40
Benzene
Concen: 22.048 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 21.447 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 41 Resp: 11580

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.9 118.3#

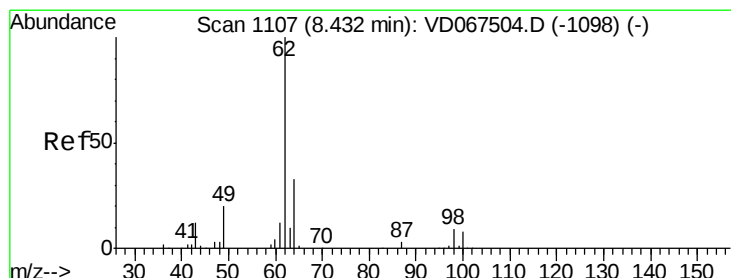
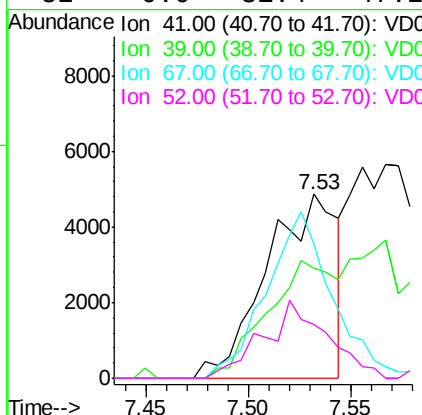
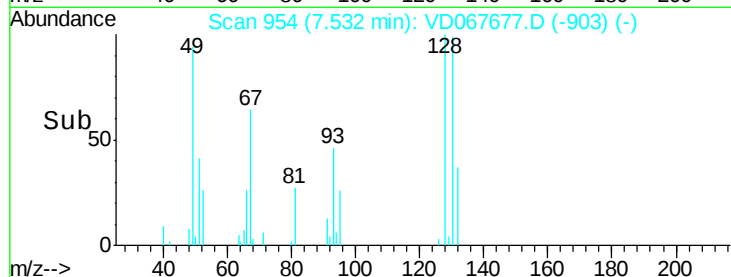
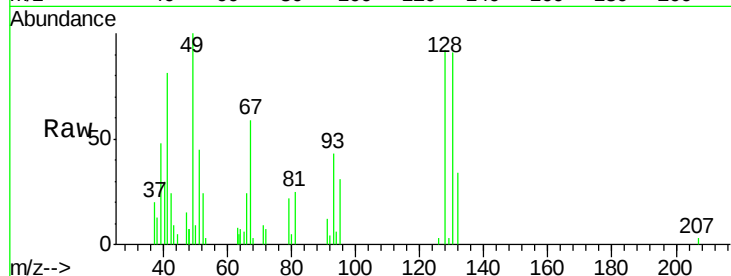
52 0.0 31.4 47.2#

Manual Integrations

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MMDadoda

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#42

1,2-Dichloroethane

Concen: 22.396 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067677.D

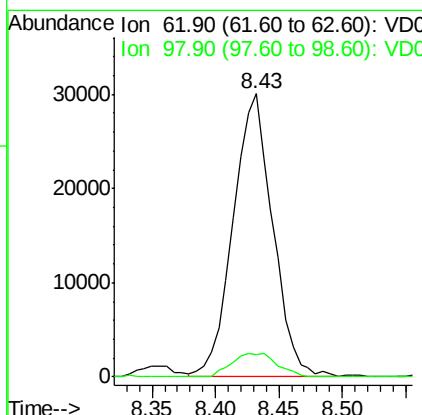
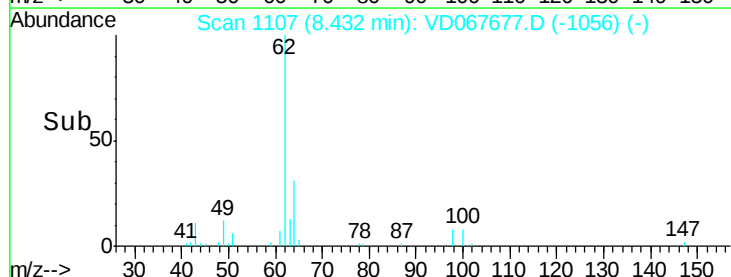
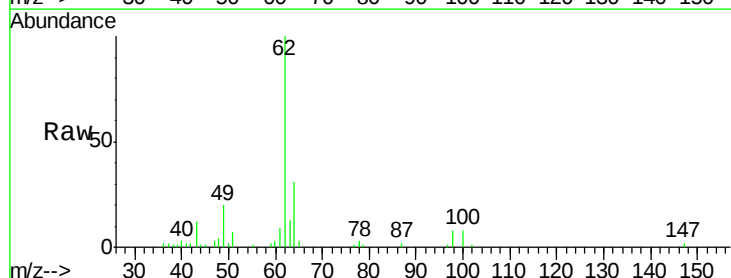
Acq: 18 Nov 2020 11:20

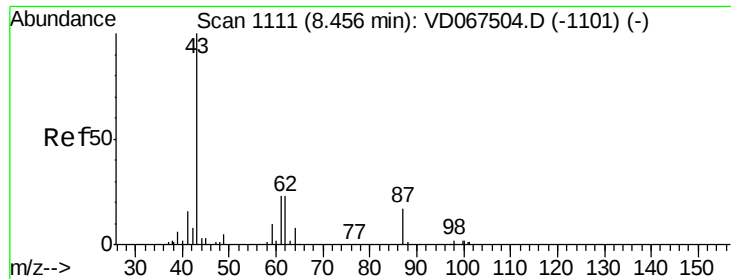
Tgt Ion: 62 Resp: 65215

Ion Ratio Lower Upper

62 100

98 9.5 0.0 19.8





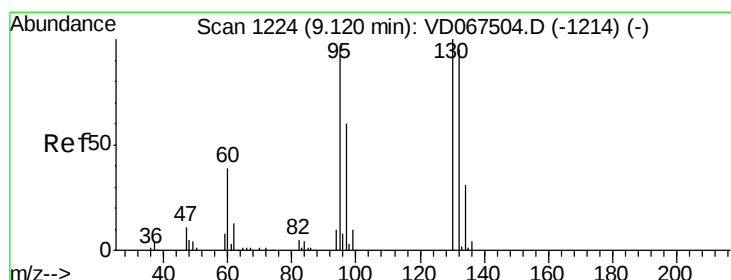
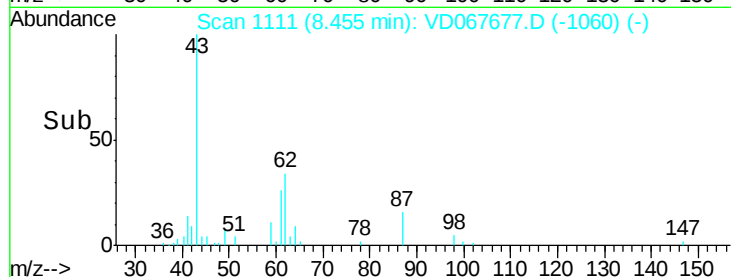
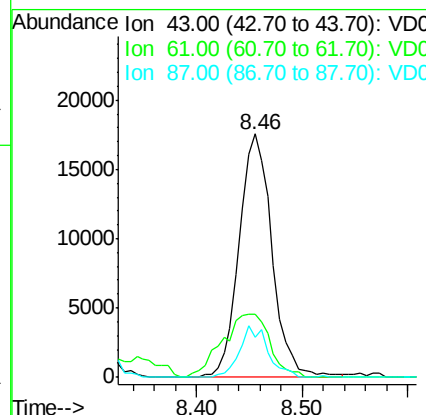
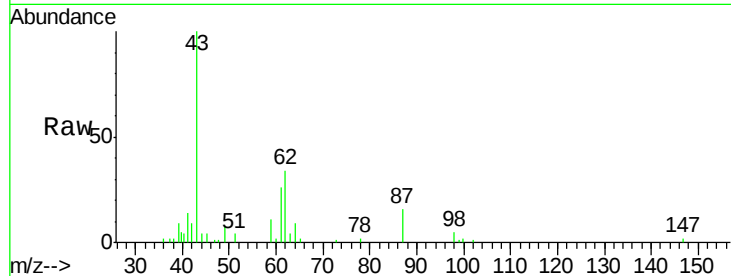
#43
Isopropyl Acetate
Concen: 21.180 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	43	Resp	37838
Ion Ratio	100	Lower	Upper
43	100		
61	37.6	30.5	45.7
87	18.1	14.7	22.1

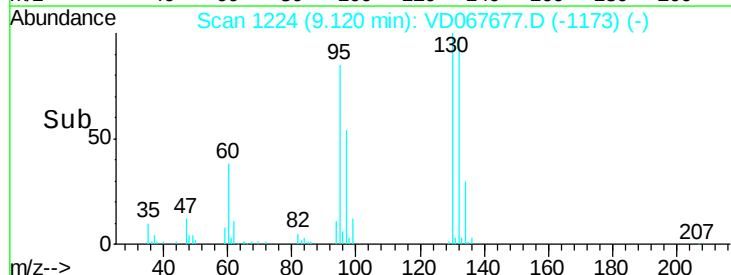
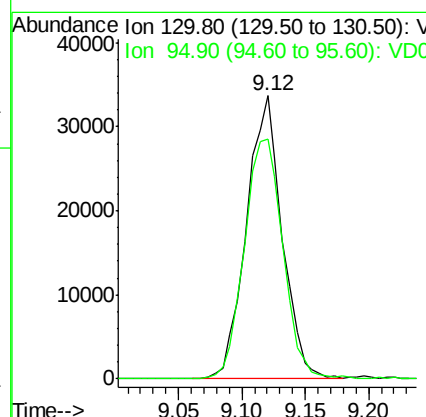
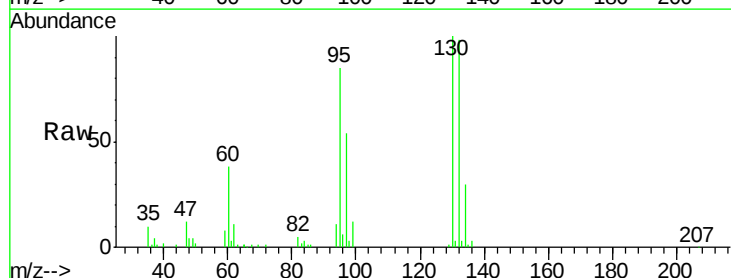
Manual Integrations
APPROVED

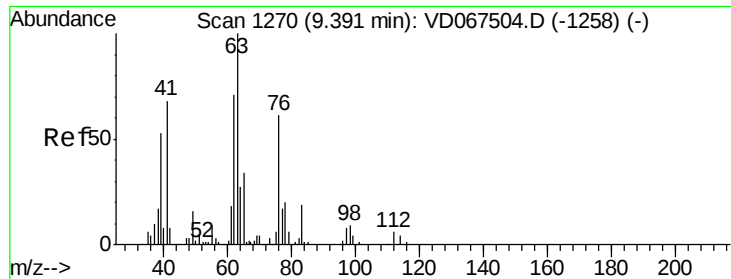
MMDadoda
11/19/2020 11:07:05 AM



#44
Trichloroethene
Concen: 21.275 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	130	Resp	65929
Ion Ratio	100	Lower	Upper
130	100		
95	84.9	0.0	194.4





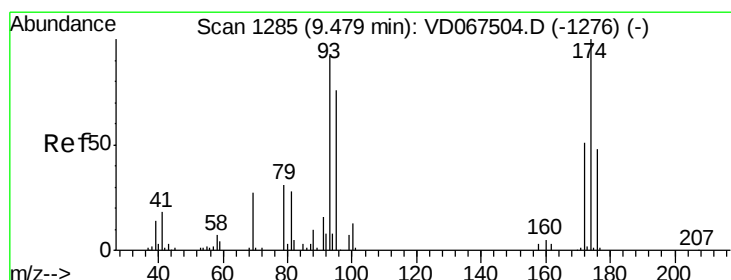
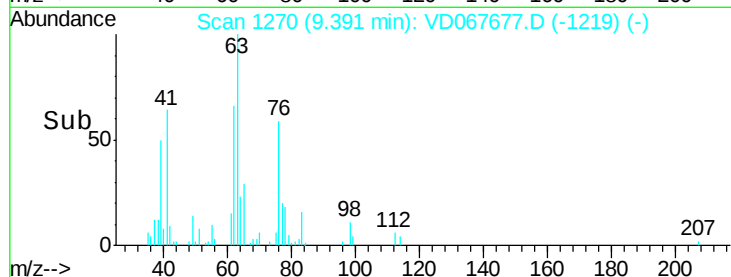
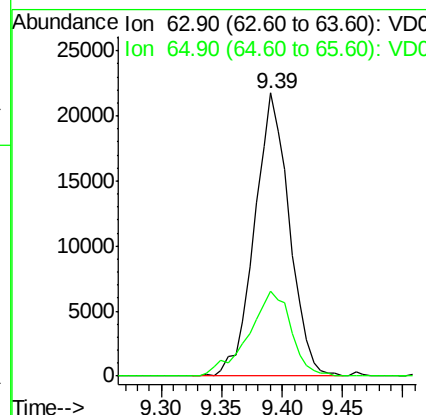
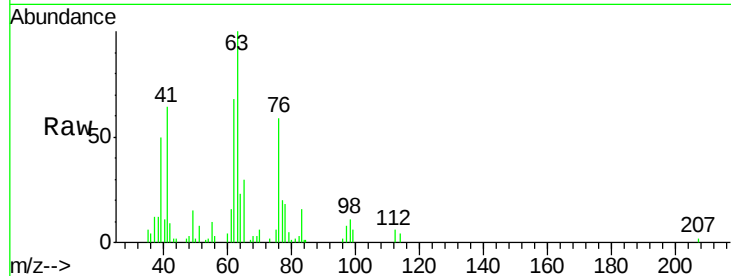
#45
 1,2-Dichloropropane
 Concen: 21.353 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

Tot Ion: 63 Resp: 43511
 Ion Ratio Lower Upper
 63 100
 65 29.9 26.9 40.3

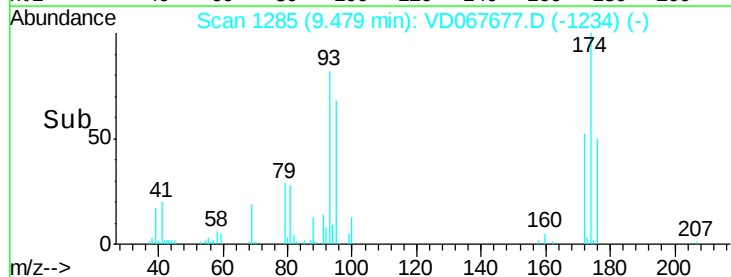
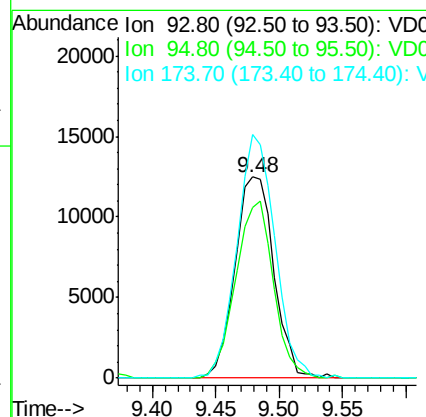
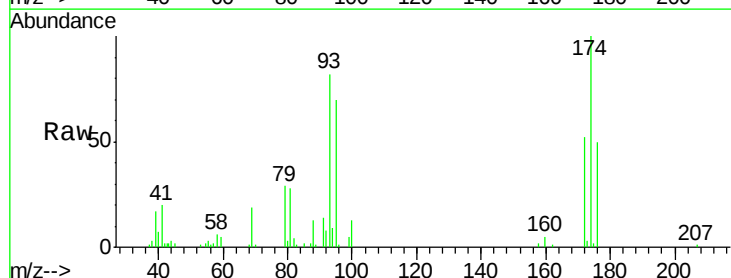
Manual Integrations
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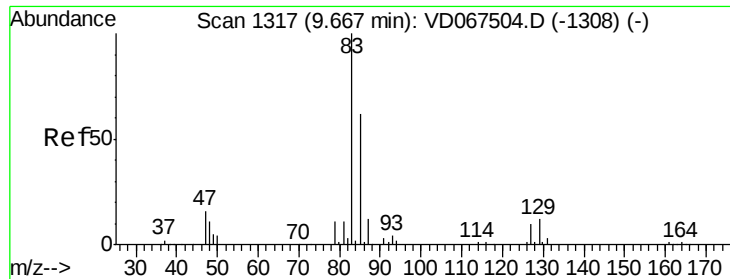
MMDadoda
 11/19/2020 11:07:05 AM



#46
 Dibromomethane
 Concen: 20.541 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 93 Resp: 26614
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.4 99.6
 174 118.8 88.2 132.4





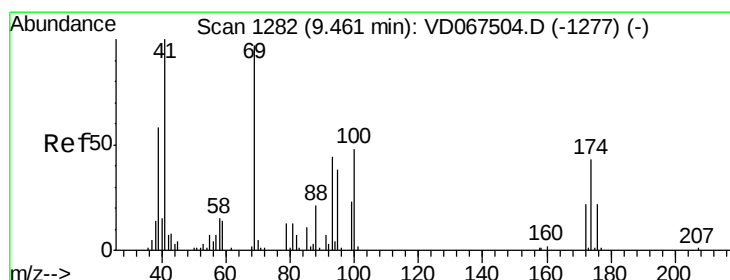
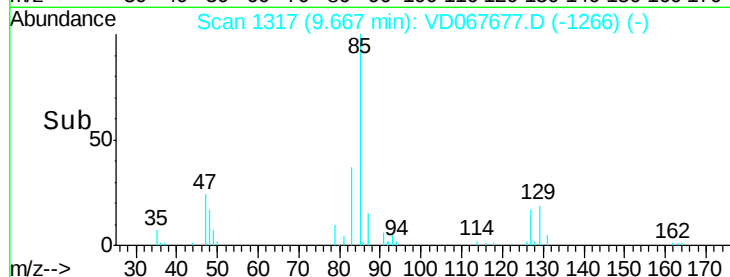
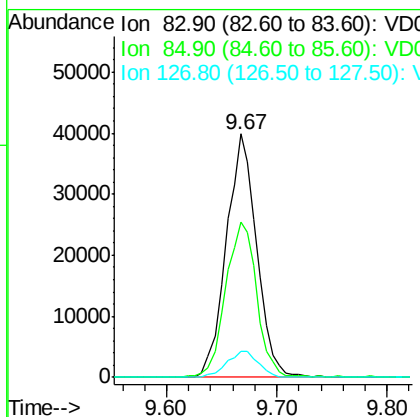
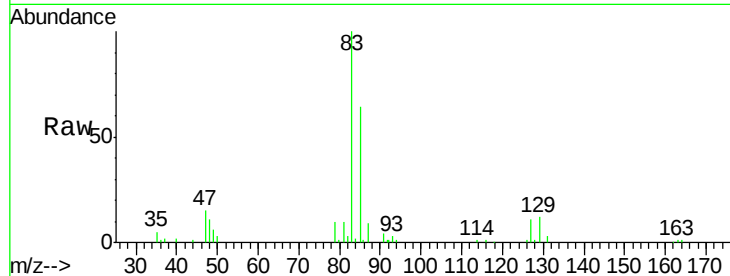
#47
Bromodichloromethane
Concen: 21.846 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.4	74.2
127	10.9	7.7	11.5

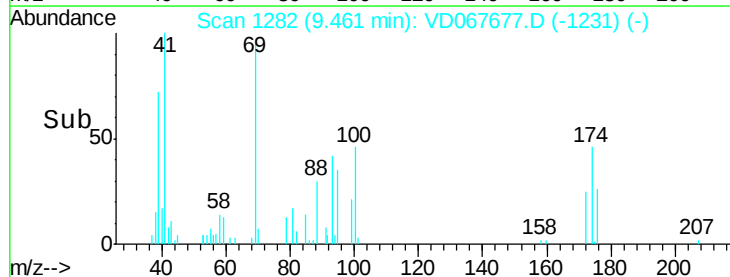
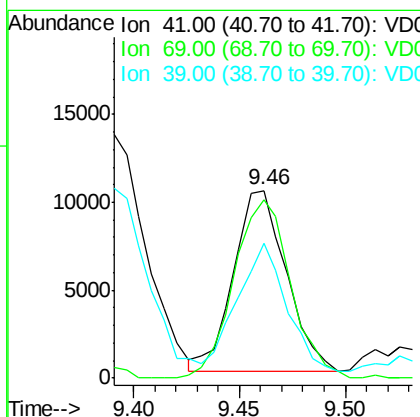
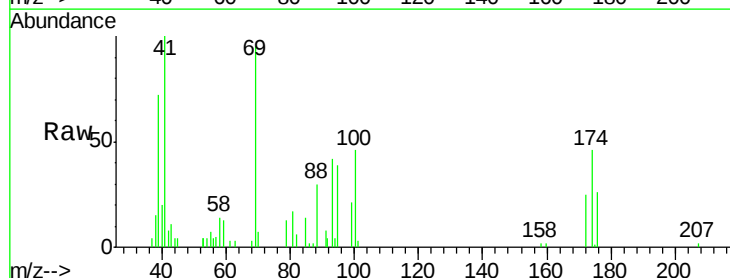
Manual Integrations
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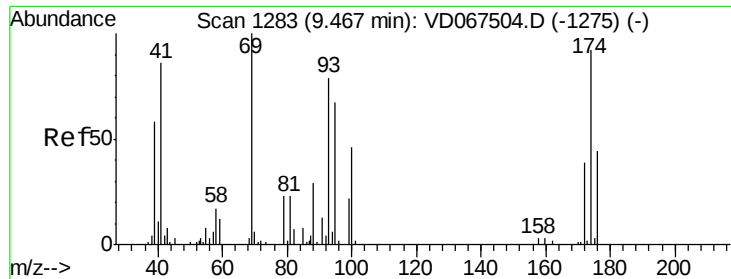
MMDadoda
11/19/2020 11:07:05 AM



#48
Methyl methacrylate
Concen: 19.330 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	106.0	80.6	121.0
39	66.5	50.2	75.4





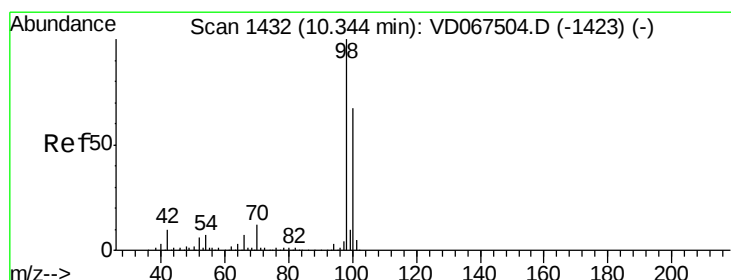
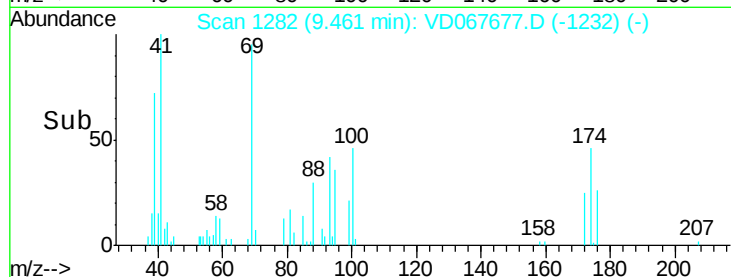
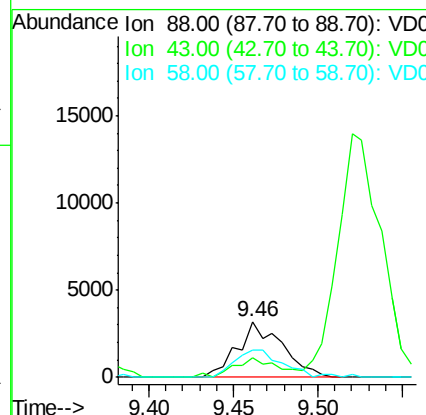
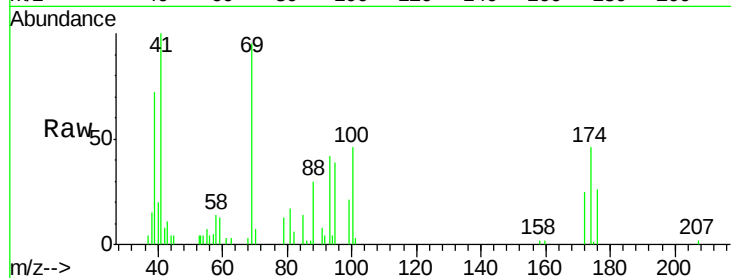
#49
1,4-Dioxane
Concen: 445.380 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	23.6	35.4#
58	51.2	44.7	67.1

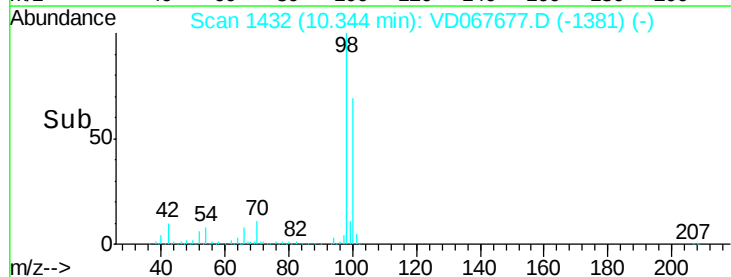
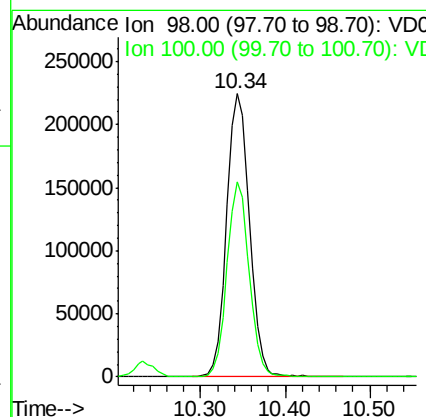
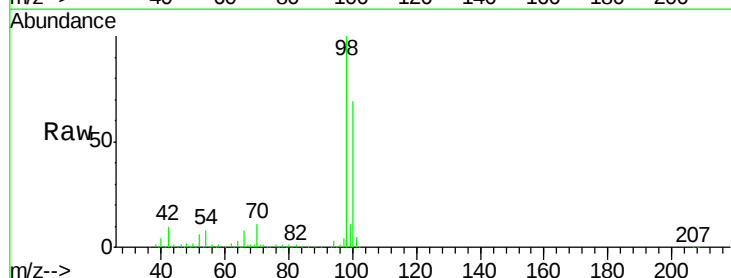
Manual Integrations
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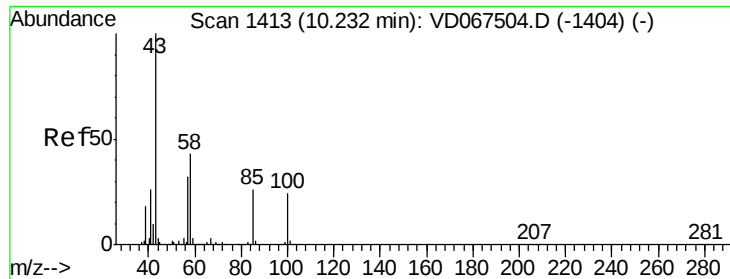
MMDadoda
11/19/2020 11:07:05 AM



#50
Toluene-d8
Concen: 48.685 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 105.420 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 43 Resp: 90069

Ion Ratio Lower Upper

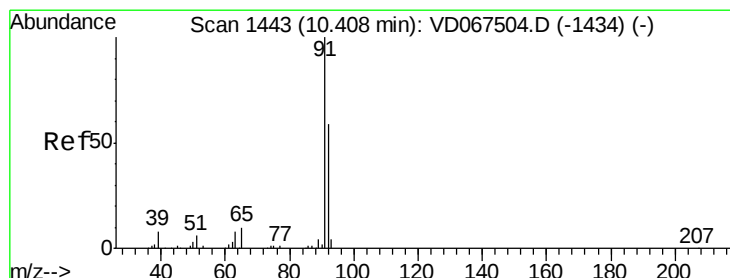
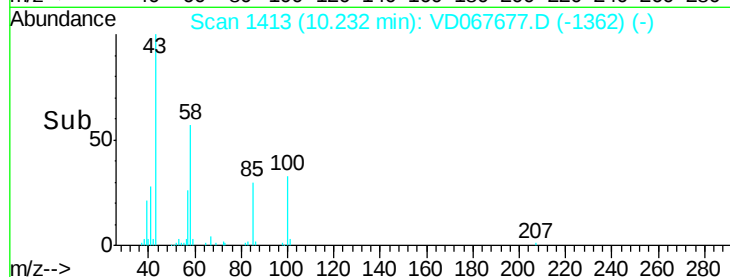
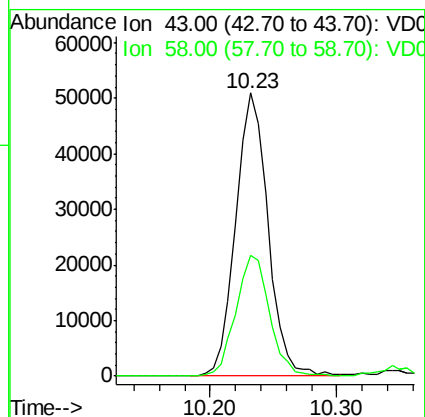
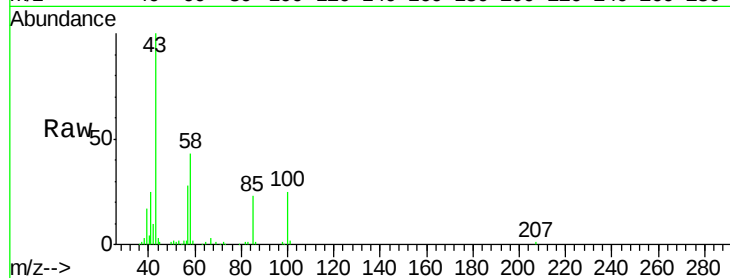
43 100

58 44.4 35.6 53.4

Manual Integrations
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#52

Toluene

Concen: 22.602 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067677.D

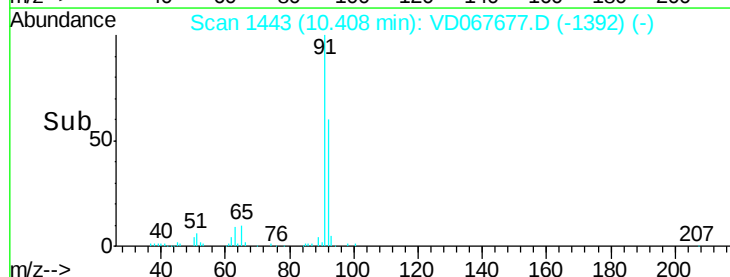
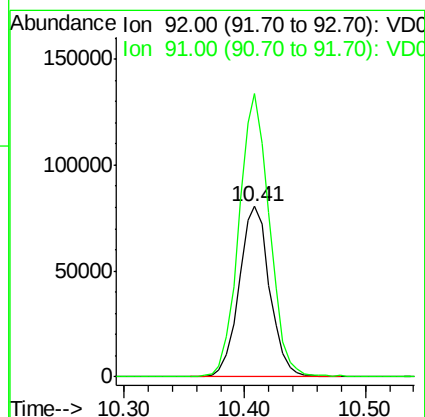
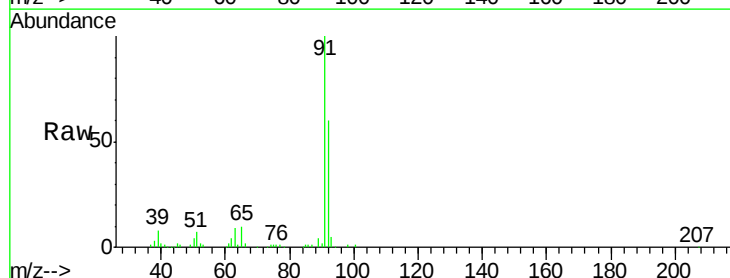
Acq: 18 Nov 2020 11:20

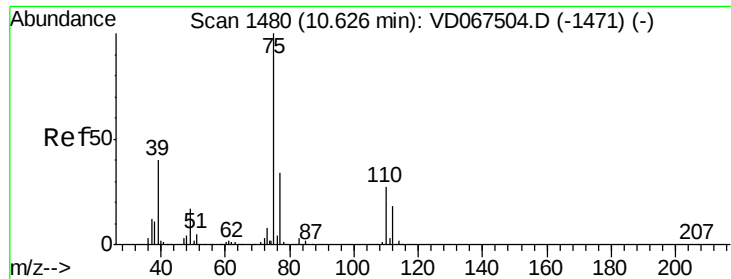
Tgt Ion: 92 Resp: 142682

Ion Ratio Lower Upper

92 100

91 164.9 137.0 205.6





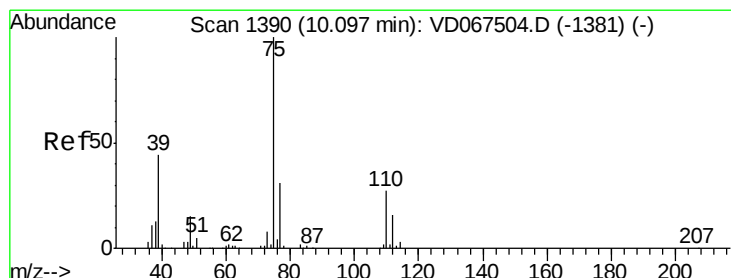
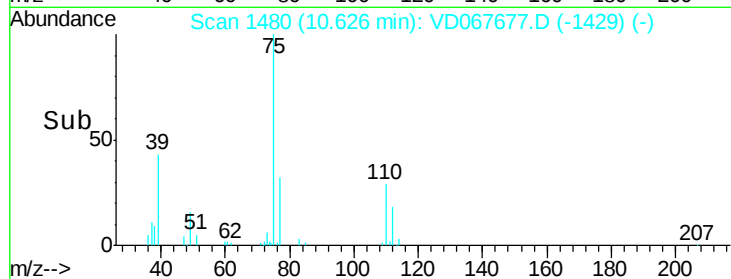
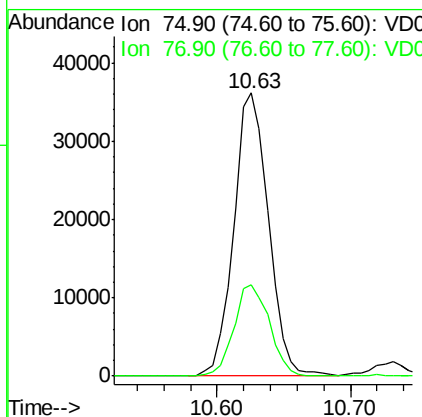
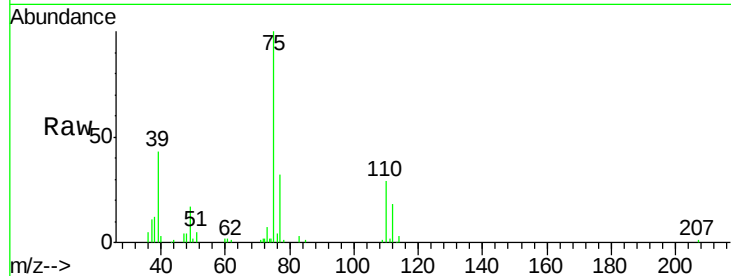
#53
 t-1,3-Dichloropropene
 Concen: 21.586 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

Tot Ion: 75 Resp: 65104
 Ion Ratio Lower Upper
 75 100
 77 32.2 27.0 40.6

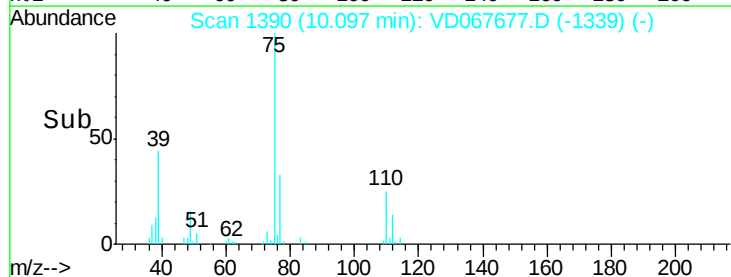
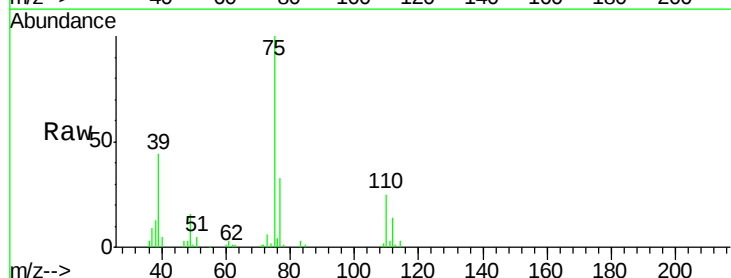
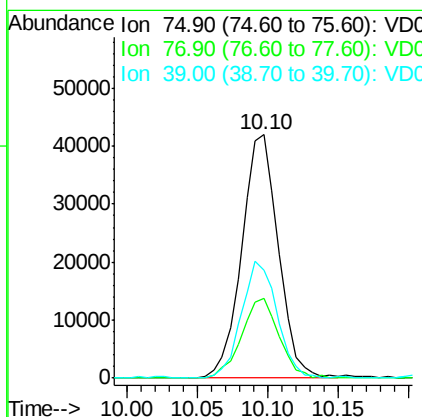
Manual Integrations
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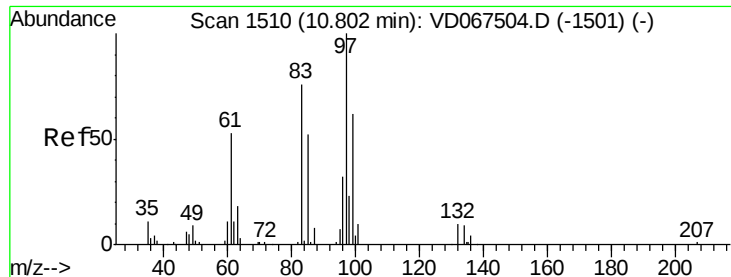
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#54
 cis-1,3-Dichloropropene
 Concen: 21.309 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 75 Resp: 76358
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.4 36.6
 39 44.3 35.6 53.4





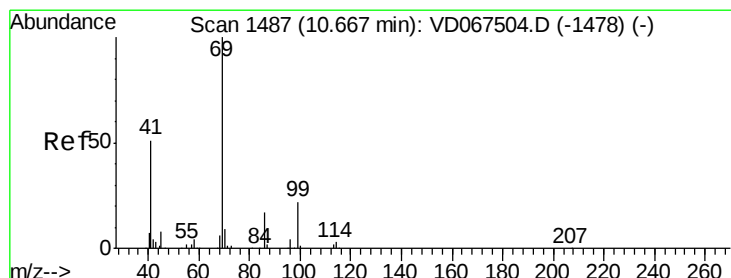
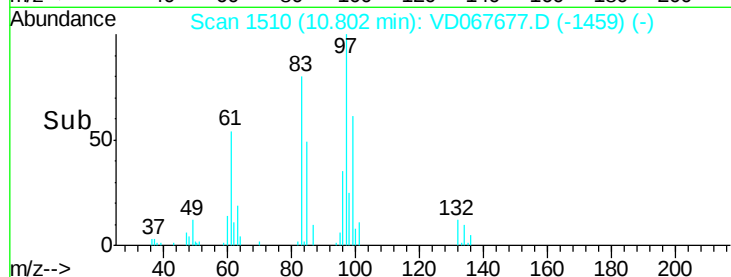
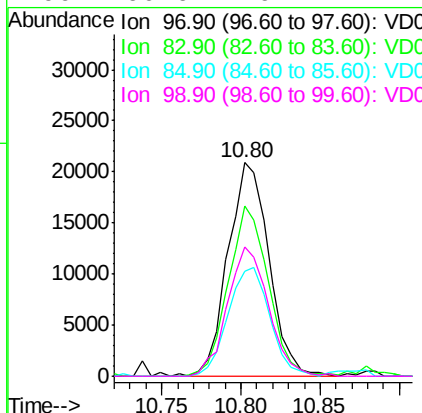
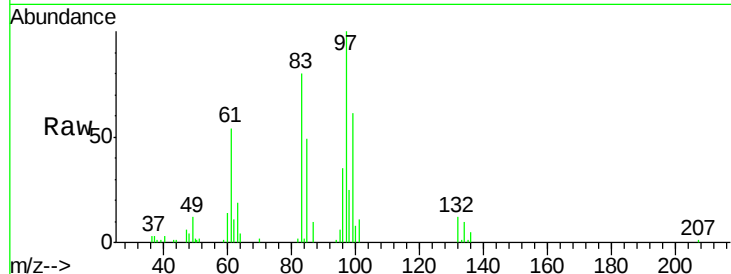
#55
 1,1,2-Trichloroethane
 Concen: 21.881 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.0	61.0	91.6
85	49.1	41.5	62.3
99	60.6	49.4	74.2

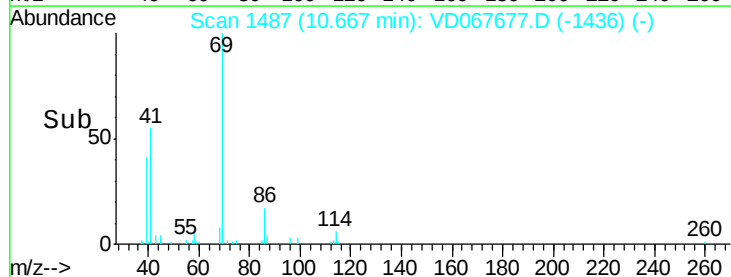
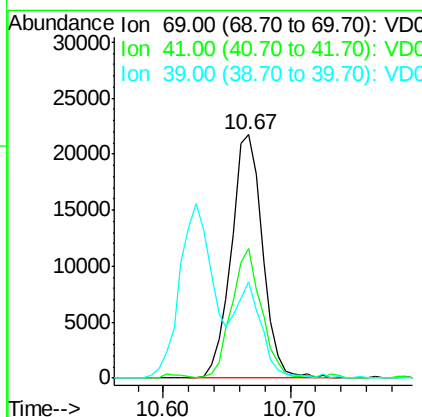
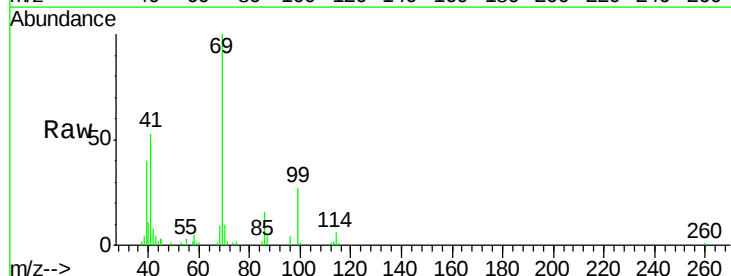
Manual Integrations
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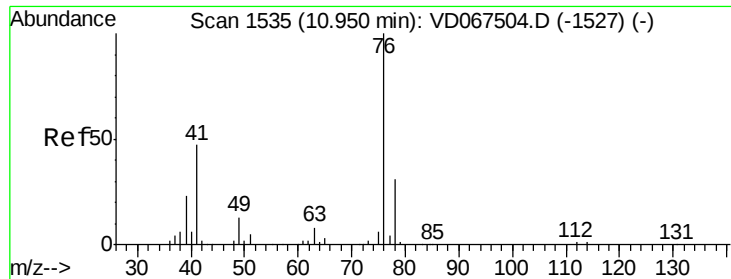
MMDadoda
 11/19/2020 11:07:05 AM



#56
 Ethyl methacrylate
 Concen: 20.912 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	51.3	45.4	68.0
39	33.3	27.4	41.0





#57

1,3-Dichloropropane

Concen: 20.985 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 76 Resp: 57888

Ion Ratio Lower Upper

76 100

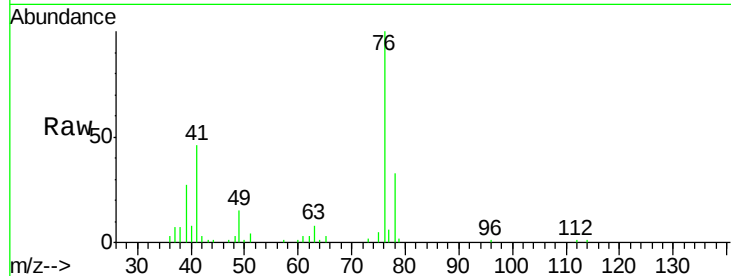
78 33.7 26.1 39.1

Manual Integrations

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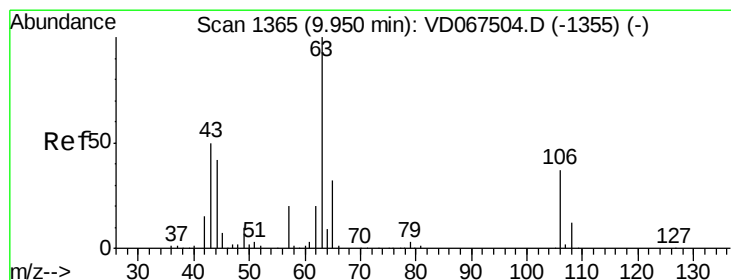
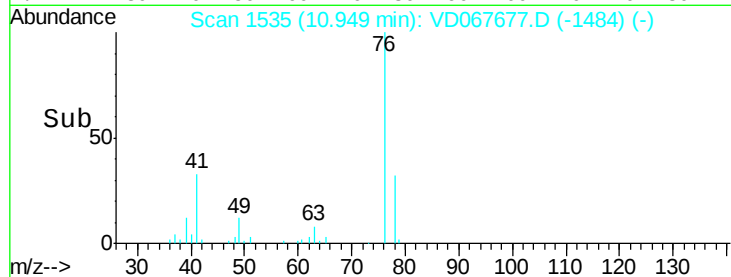
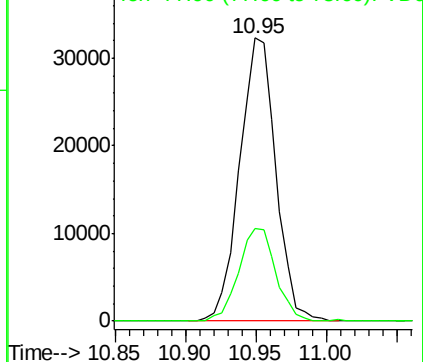
MMDadoda

11/19/2020 11:07:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.834 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD067677.D

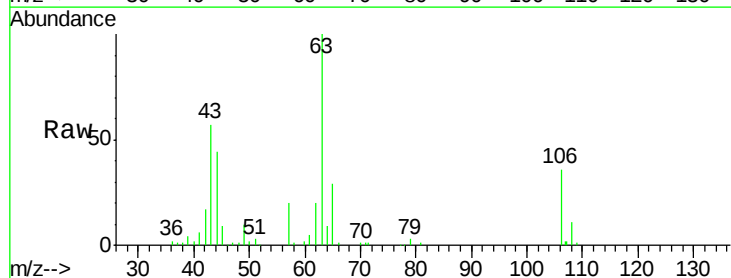
Acq: 18 Nov 2020 11:20

Tgt Ion: 63 Resp: 85718

Ion Ratio Lower Upper

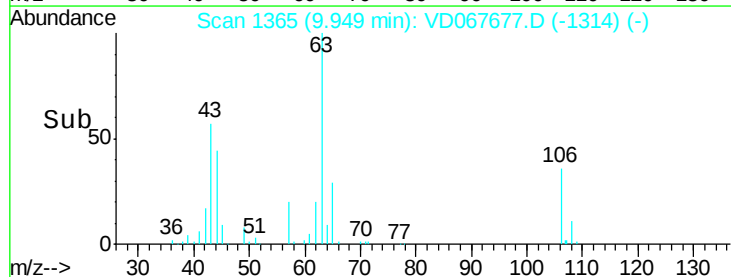
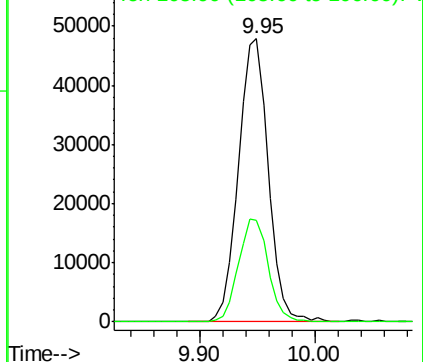
63 100

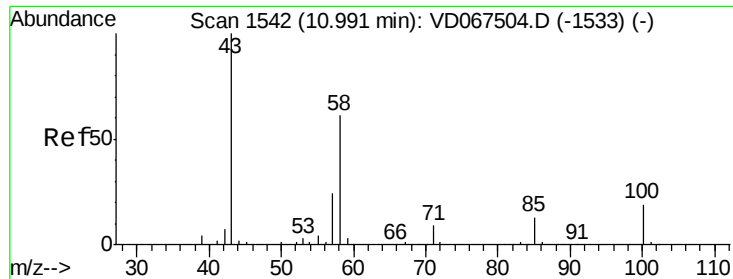
106 36.4 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





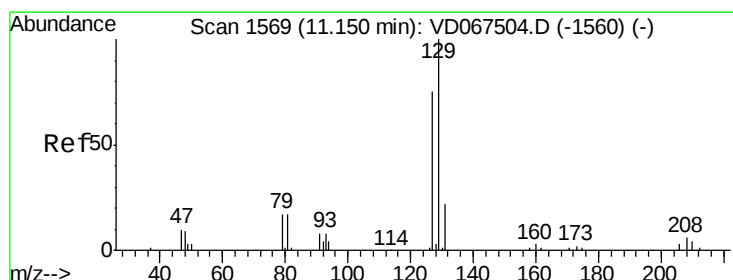
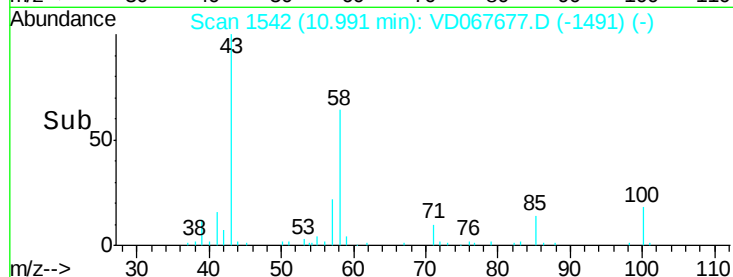
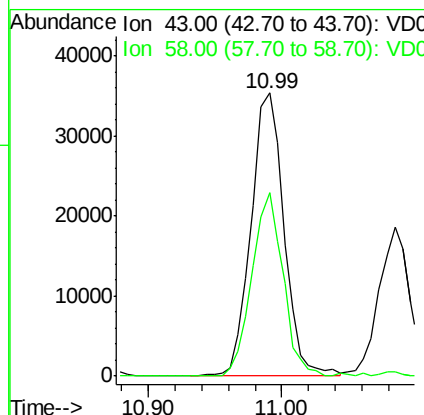
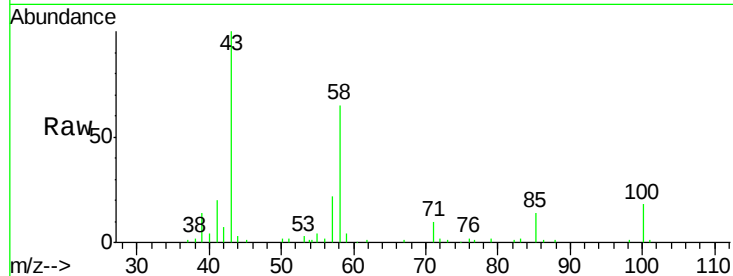
#59
2-Hexanone
Concen: 100.721 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion: 43 Resp: 60169
Ion Ratio Lower Upper
43 100
58 61.0 30.3 90.9

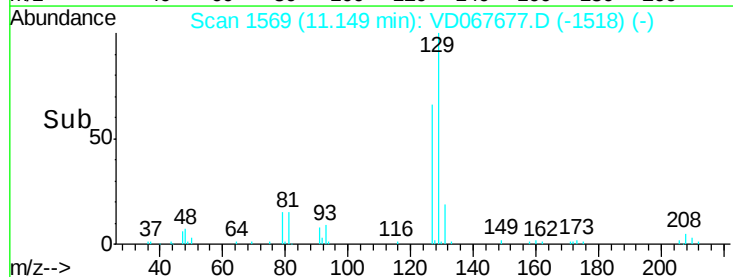
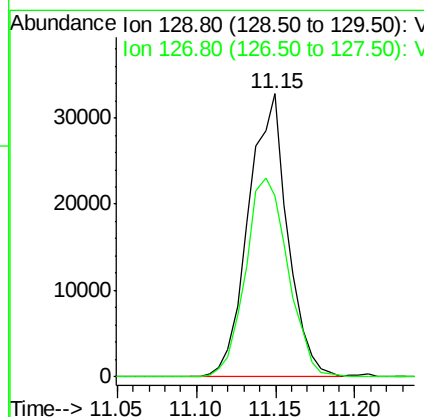
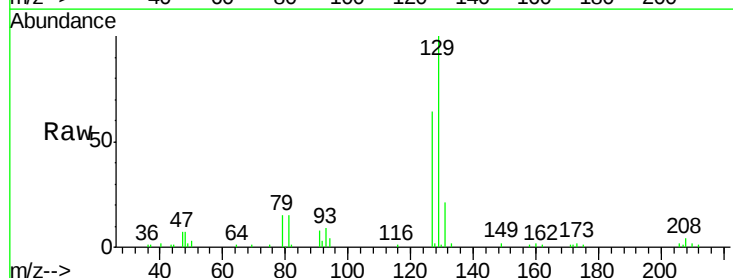
Manual Integrations
APPROVED

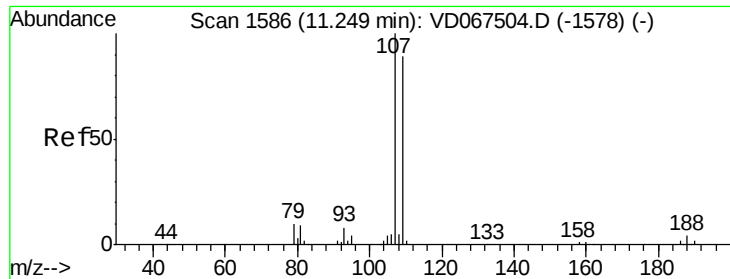
MMDadoda
11/19/2020 11:07:05 AM



#60
Dibromochloromethane
Concen: 22.248 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion: 129 Resp: 56419
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1





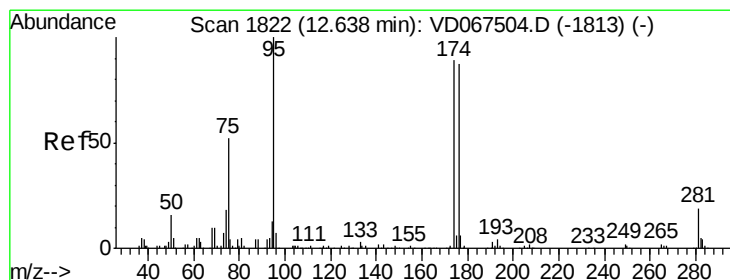
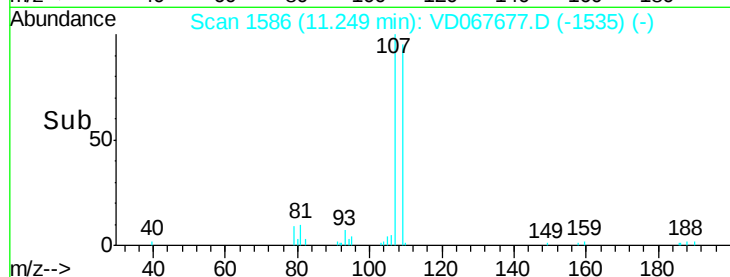
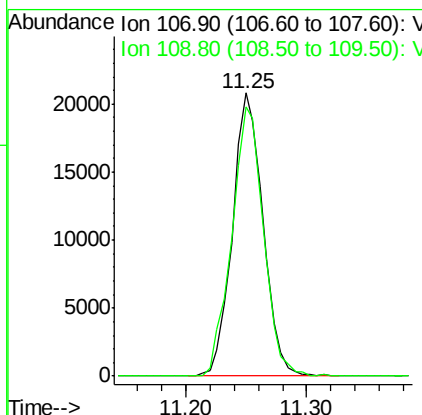
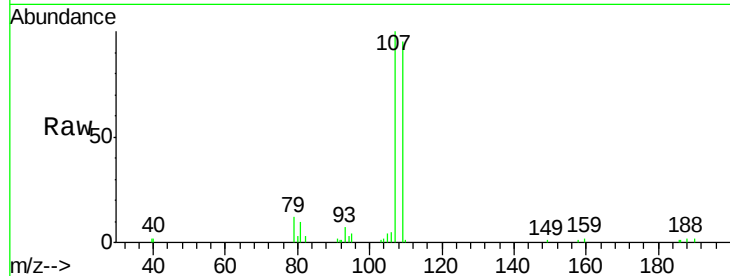
#61
 1,2-Dibromoethane
 Concen: 21.289 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion: 107 Resp: 36628
 Ion Ratio Lower Upper
 107 100
 109 98.9 74.6 111.8

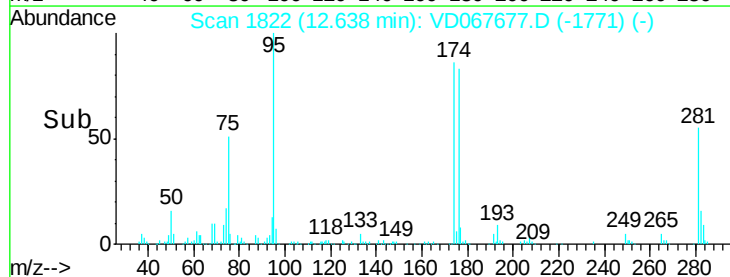
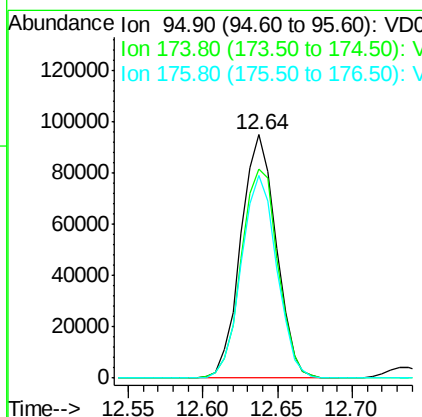
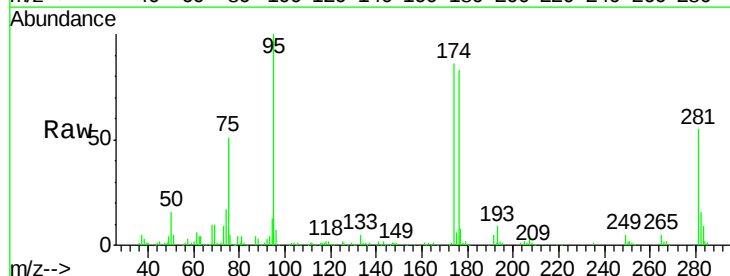
Manual Integrations
 APPROVED

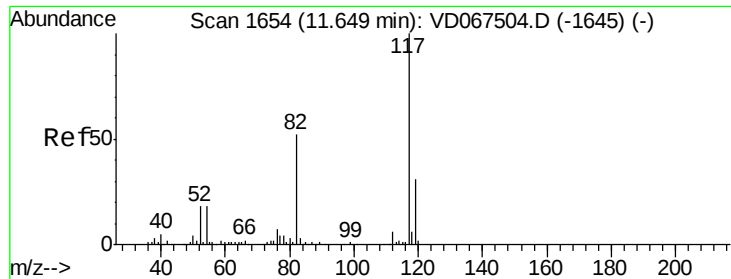
MMDadoda
 11/19/2020 11:07:05 AM



#62
 4-Bromofluorobenzene
 Concen: 52.525 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 95 Resp: 156068
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 177.8
 176 83.2 0.0 172.0





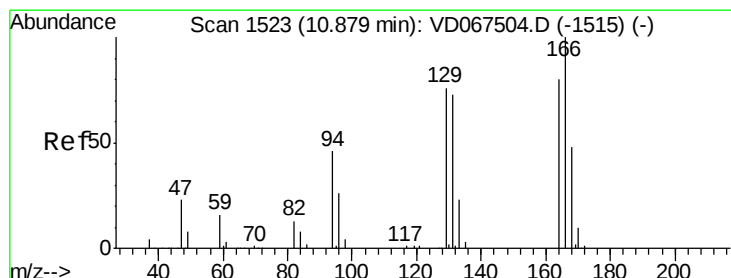
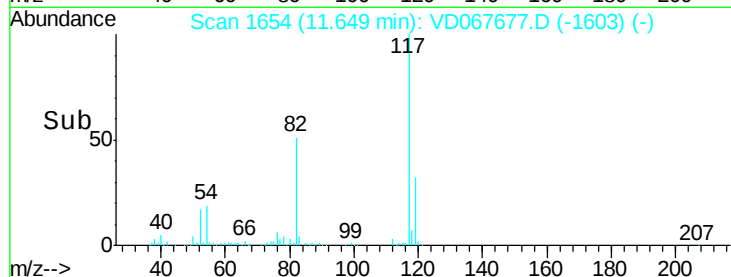
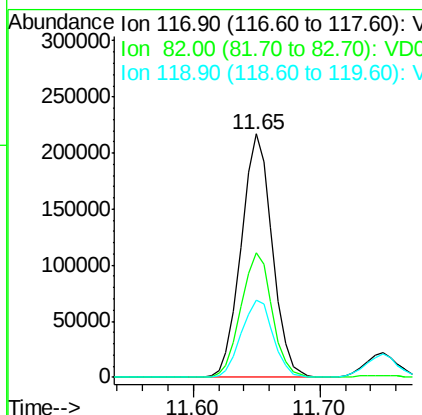
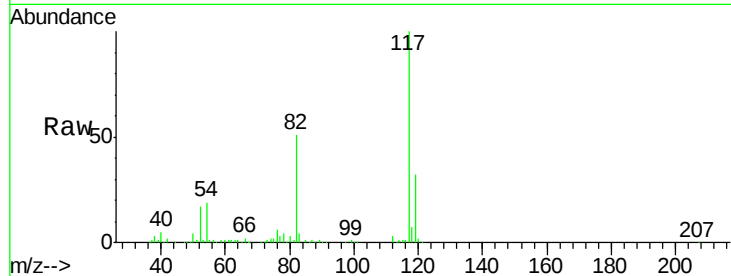
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369940		
82	51.0		41.6	62.4
119	31.6		25.1	37.7

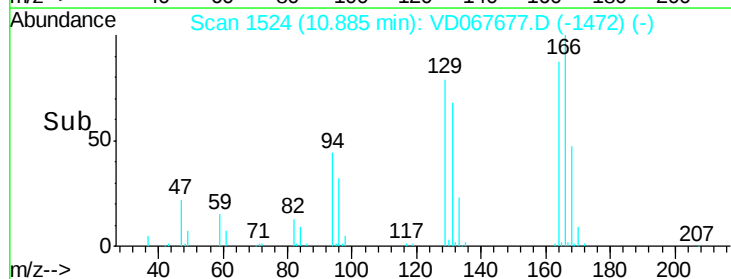
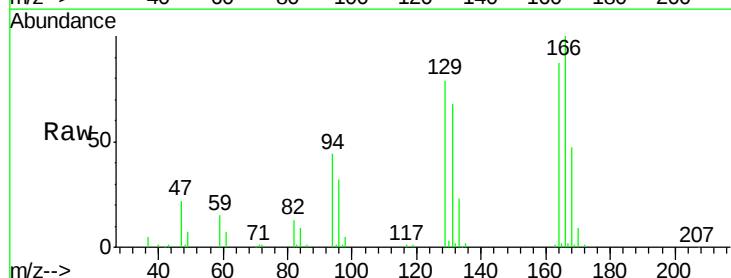
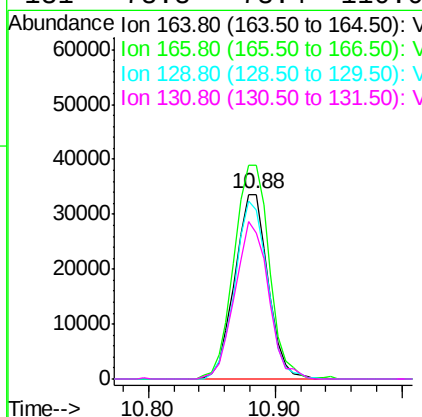
Manual Integrations
APPROVED

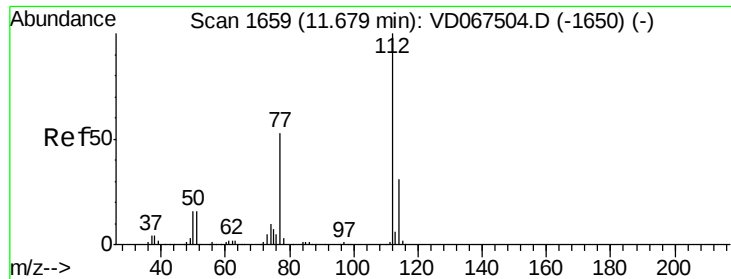
MMDadoda
11/19/2020 11:07:05 AM



#64
Tetrachloroethene
Concen: 22.295 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61082		
166	115.5		99.9	149.9
129	91.6		75.5	113.3
131	78.8		73.4	110.0





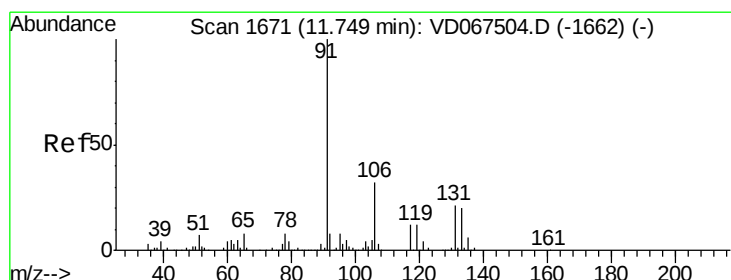
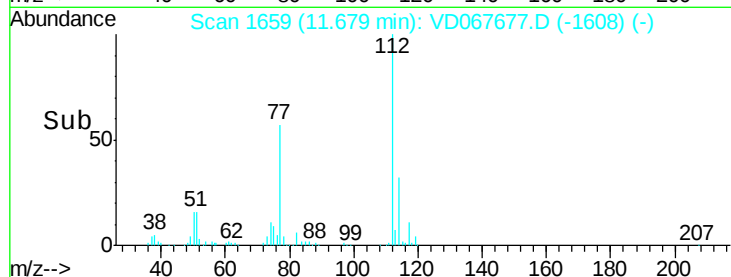
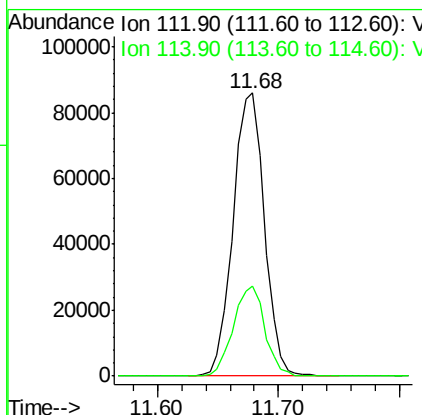
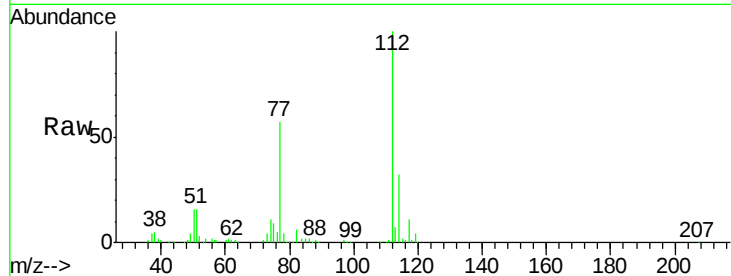
#65
Chlorobenzene
Concen: 21.842 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.9	37.3

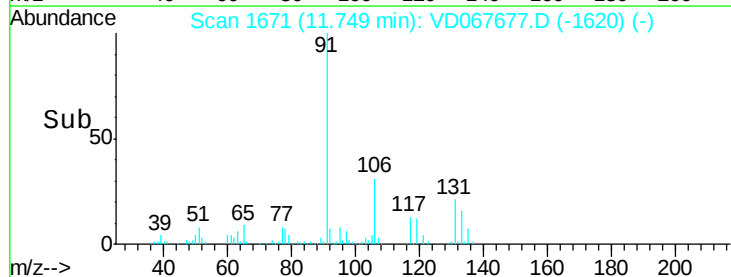
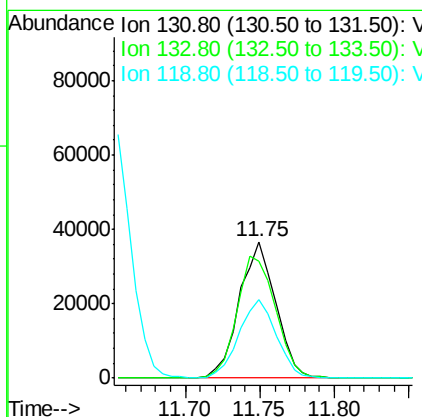
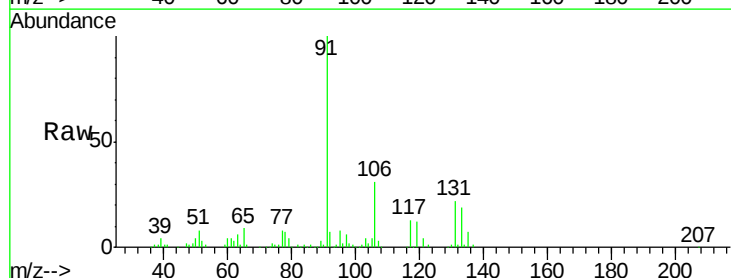
Manual Integrations
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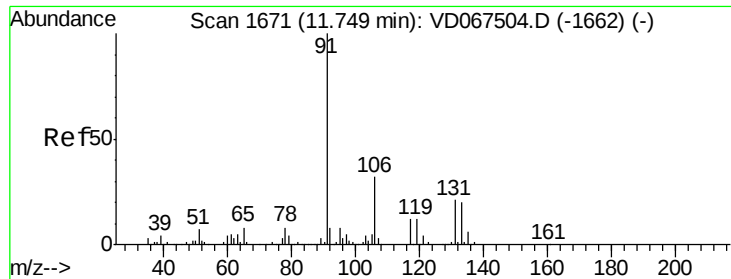
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.044 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.0
119	59.5	30.1	90.5





#67

Ethyl Benzene

Concen: 22.022 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 91 Resp: 268534

Ion Ratio Lower Upper

91 100

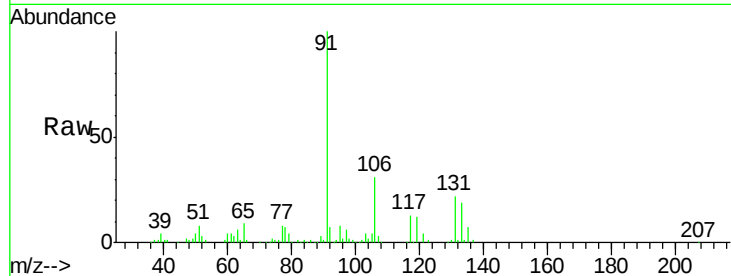
106 31.3 25.7 38.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD067677.D

Ion 106.00 (105.70 to 106.70): VD067677.D

250000

200000

150000

100000

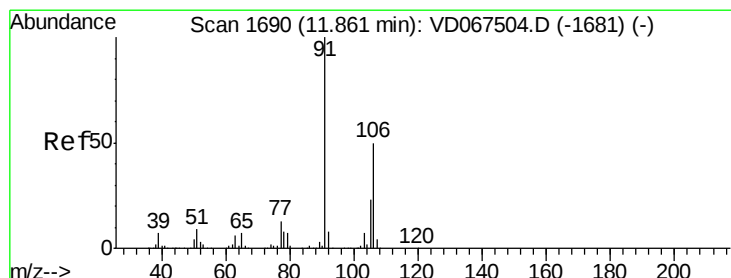
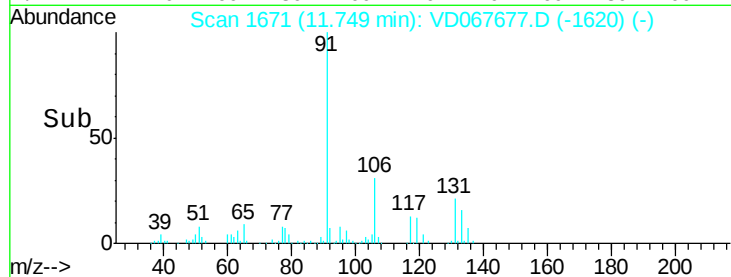
50000

0

11.70

11.80

Time-->



#68

m/p-Xylenes

Concen: 44.847 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067677.D

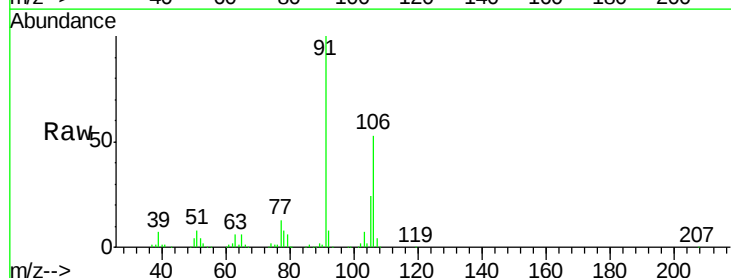
Acq: 18 Nov 2020 11:20

Tgt Ion: 106 Resp: 212756

Ion Ratio Lower Upper

106 100

91 200.6 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VD067677.D

Ion 91.00 (90.70 to 91.70): VD067677.D

250000

200000

150000

100000

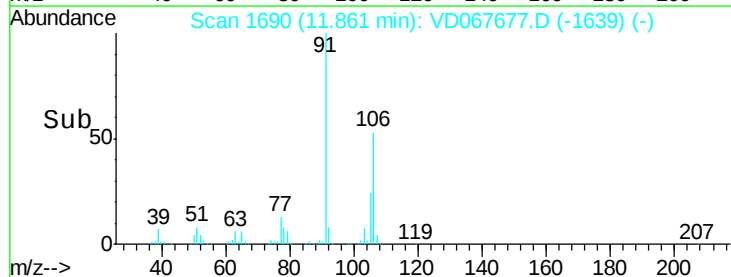
50000

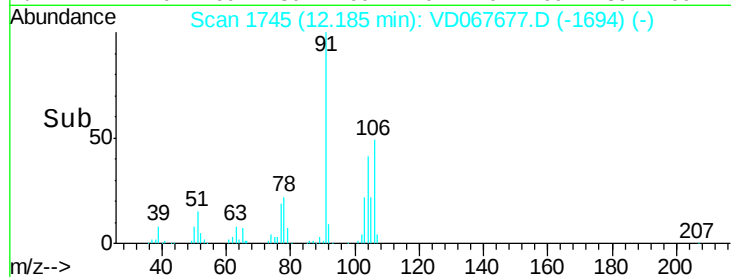
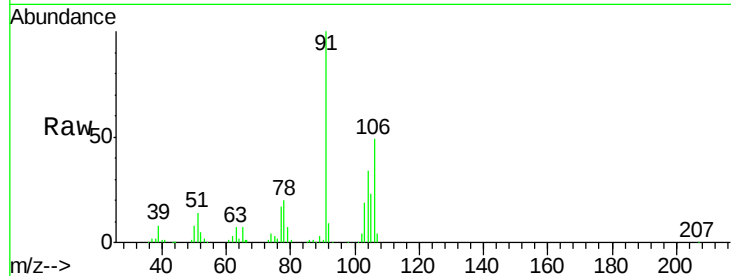
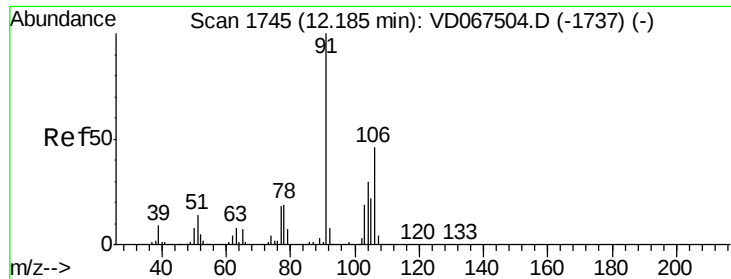
0

11.80

11.90

Time-->





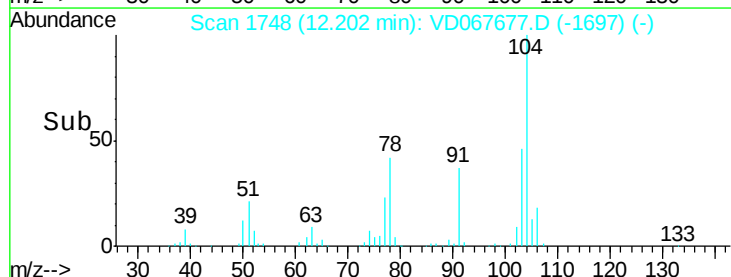
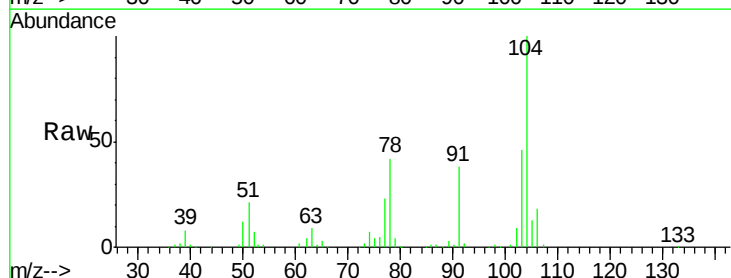
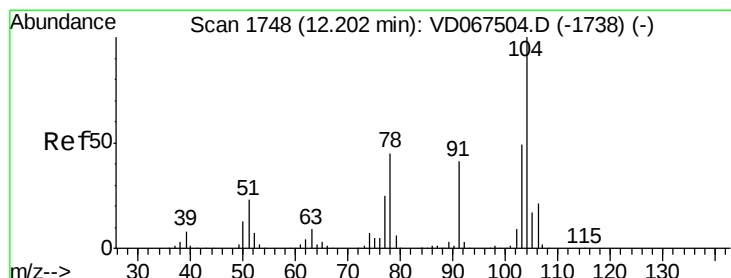
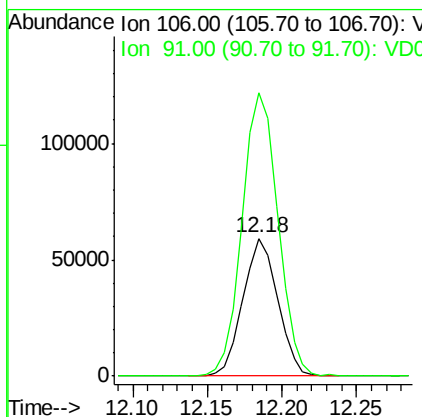
#69
o-Xylene
Concen: 22.624 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tot Ion:106 Resp: 95825
Ion Ratio Lower Upper
106 100
91 211.9 107.1 321.1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

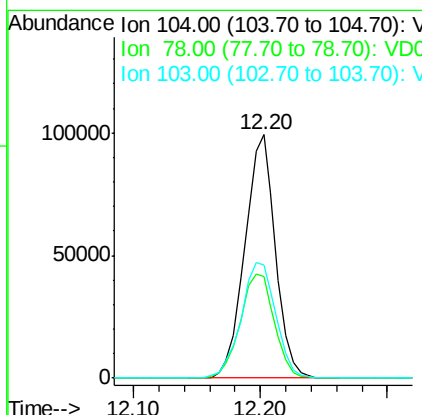
Manual Integrations
APPROVED

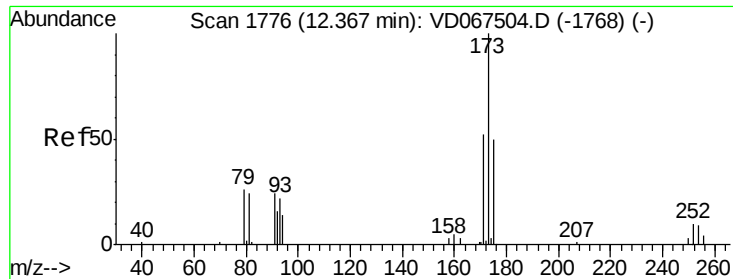
MMDadoda
11/19/2020 11:07:05 AM



#70
Styrene
Concen: 22.501 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion:104 Resp: 166073
Ion Ratio Lower Upper
104 100
78 48.0 39.8 59.8
103 53.8 43.9 65.9





#71

Bromoform

Concen: 21.181 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

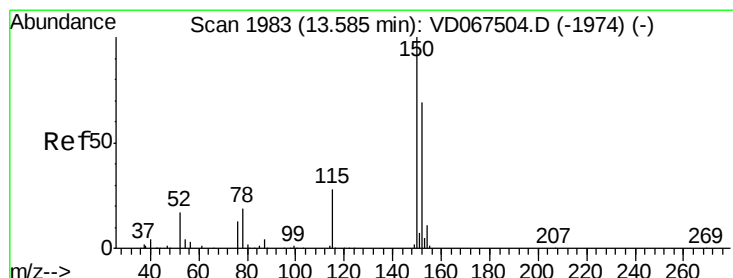
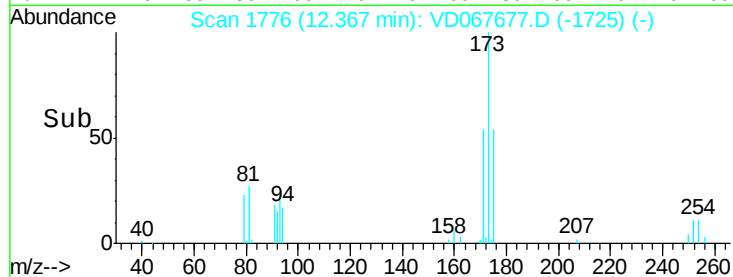
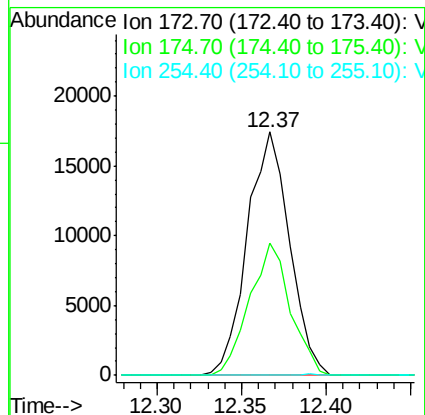
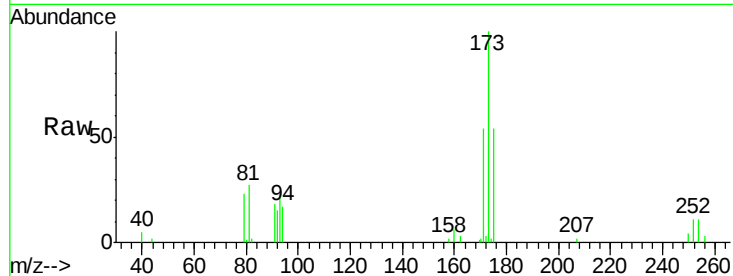
ClientSampleId :

VD1118SBS01

Tot Ion:	173	Resp:	30340
Ion Ratio	Lower	Upper	
173	100		
175	52.7	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

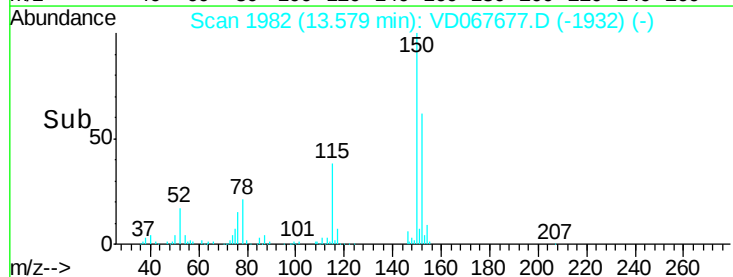
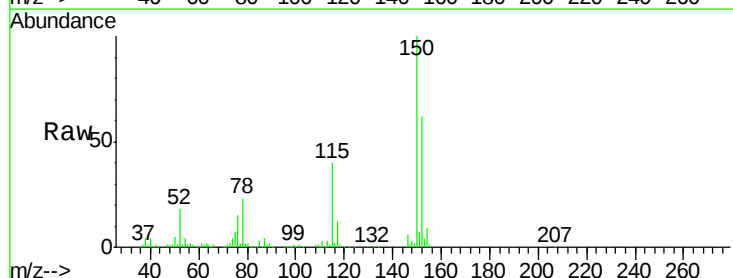
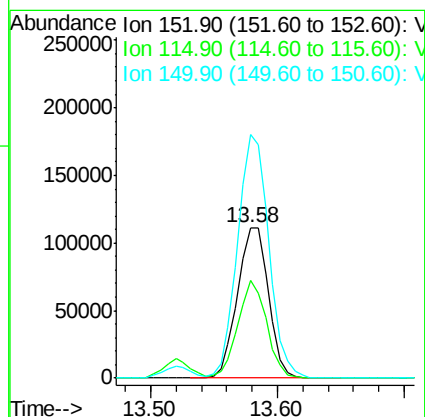
RT: 13.58 min Scan# 1982

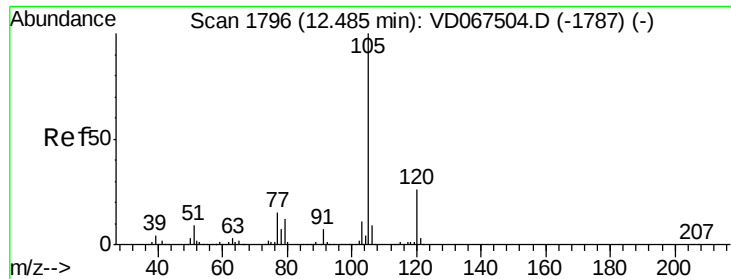
Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Tgt Ion:	152	Resp:	188850
Ion Ratio	Lower	Upper	
152	100		
115	59.9	29.3	88.0
150	163.4	0.0	338.2





#73

Isopropylbenzene

Concen: 21.503 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:105 Resp: 262451

Ion Ratio Lower Upper

105 100

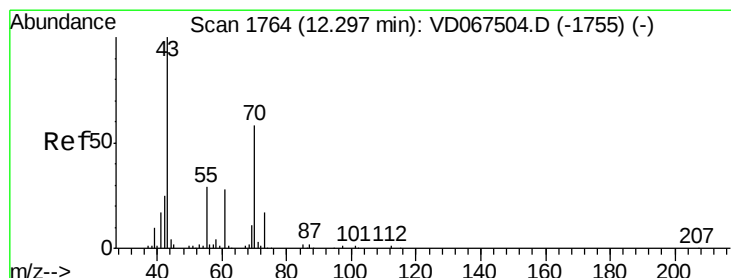
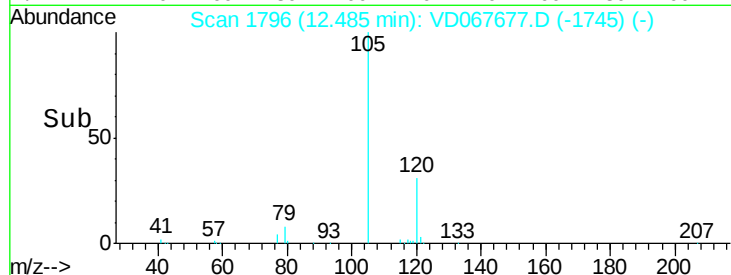
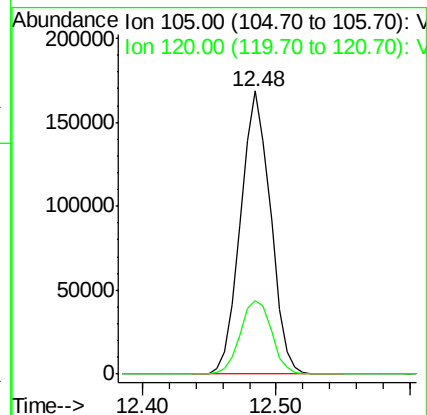
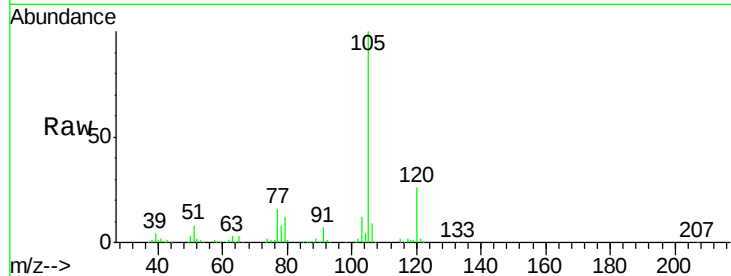
120 27.3 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.716 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Tgt Ion: 43 Resp: 31664

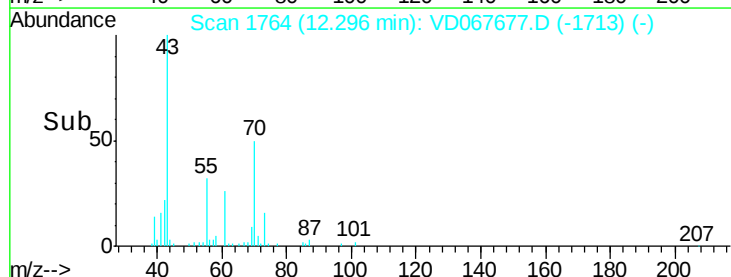
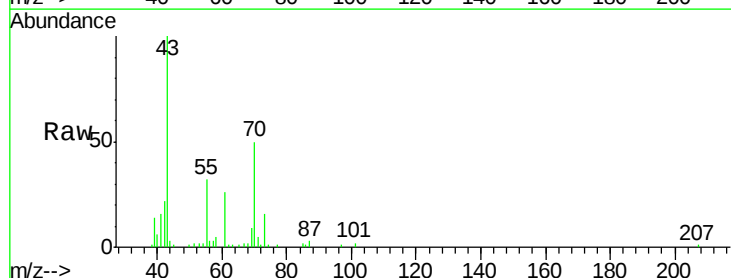
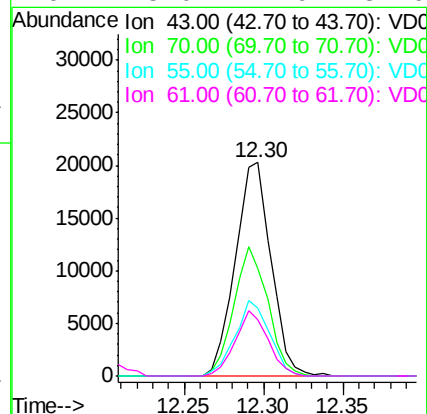
Ion Ratio Lower Upper

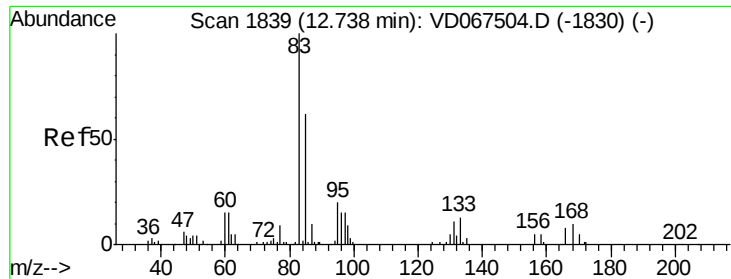
43 100

70 57.2 42.6 64.0

55 34.1 23.7 35.5

61 28.0 21.9 32.9





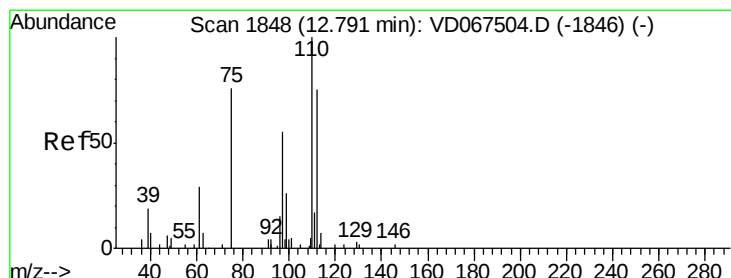
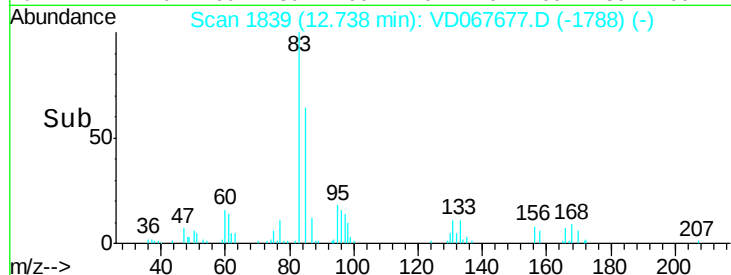
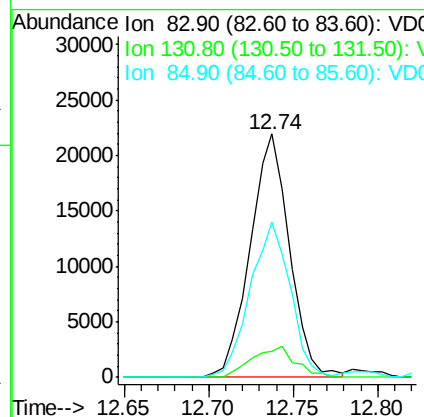
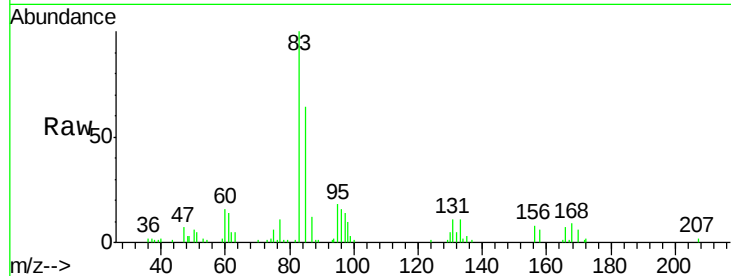
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.371 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	13.9	7.1	21.3
85	64.8	32.9	98.7

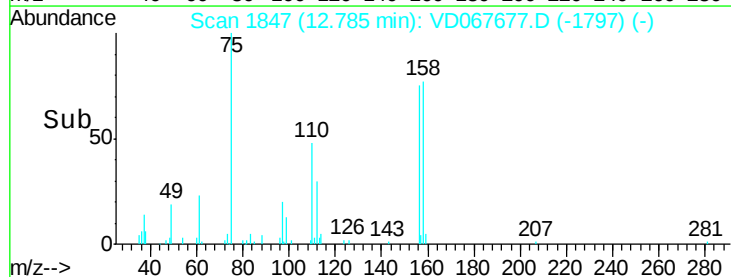
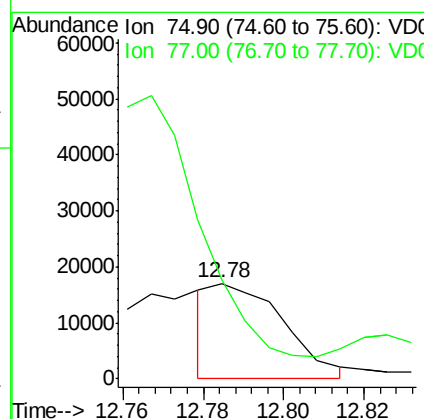
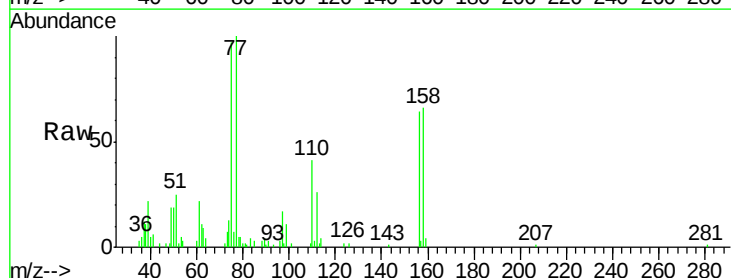
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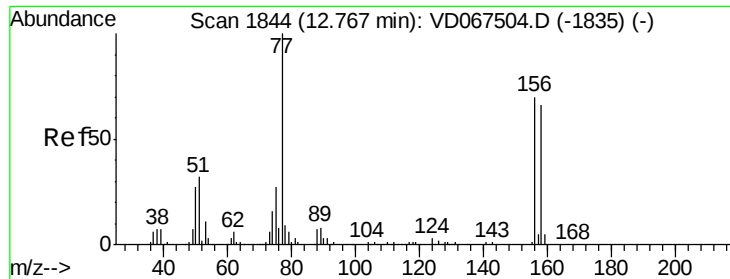
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 18.553 ug/l m
 RT: 12.78 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	470.4	0.0	0.0#





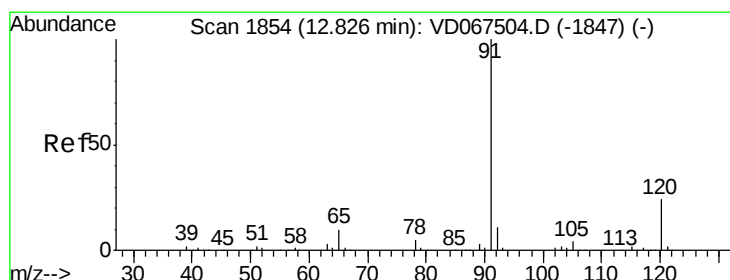
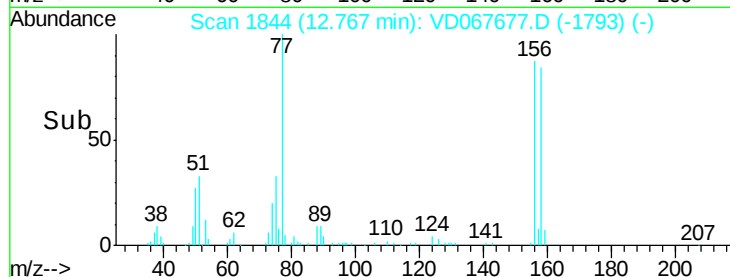
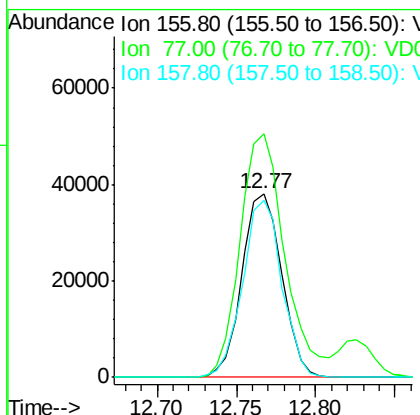
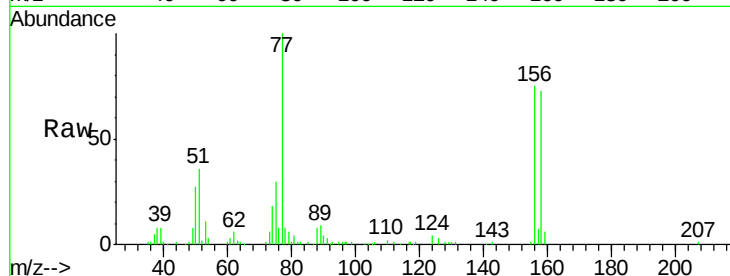
#77
Bromobenzene
Concen: 22.231 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.2	77.8	233.5
158	95.3	47.9	143.7

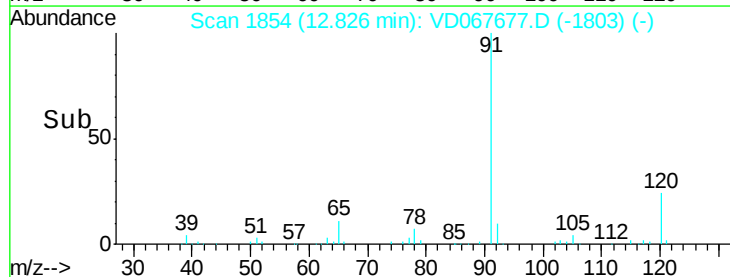
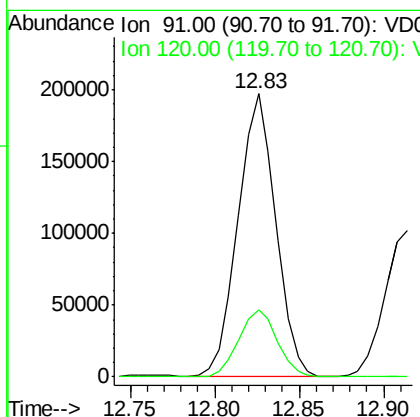
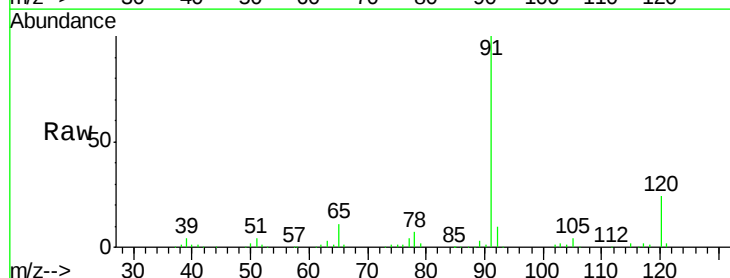
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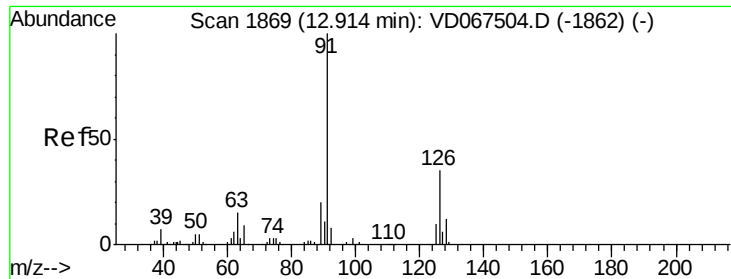
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#78
n-propylbenzene
Concen: 21.918 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.2	36.4





#79

2-Chlorotoluene

Concen: 22.051 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 91 Resp: 174872

Ion Ratio Lower Upper

91 100

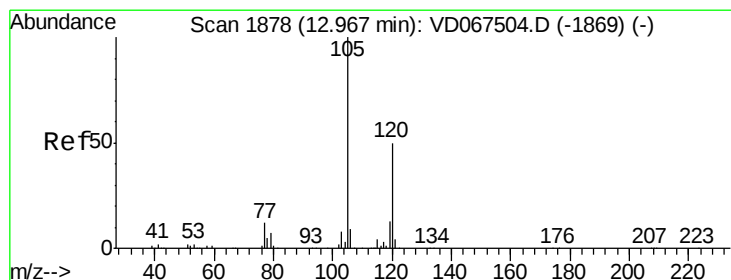
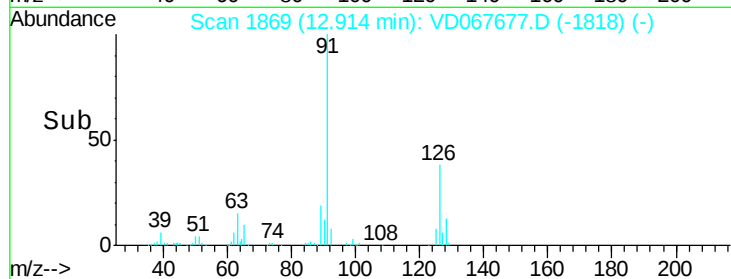
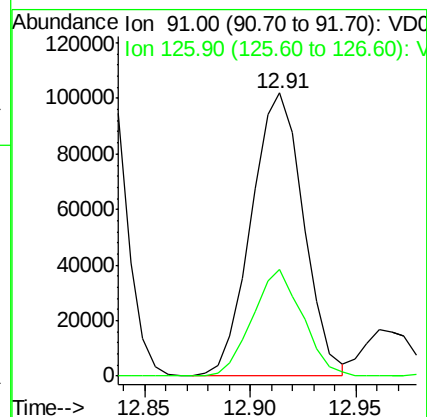
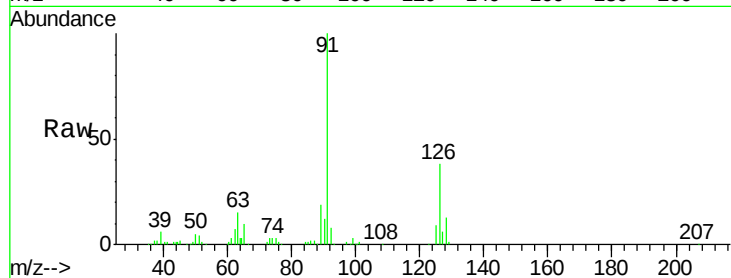
126 36.3 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 22.152 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067677.D

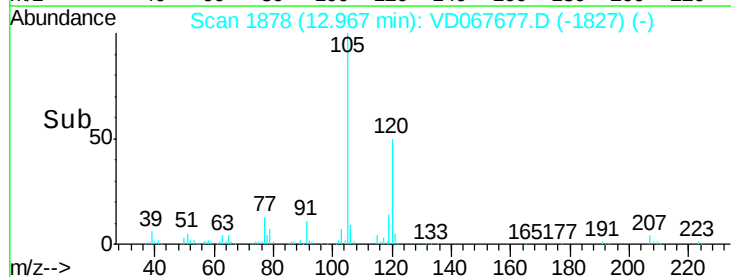
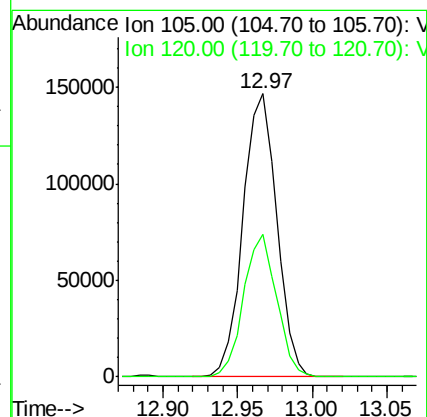
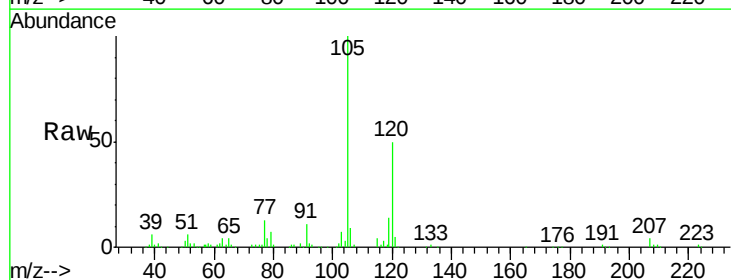
Acq: 18 Nov 2020 11:20

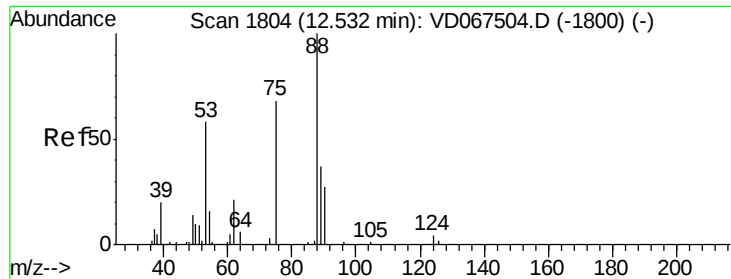
Tgt Ion: 105 Resp: 230957

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





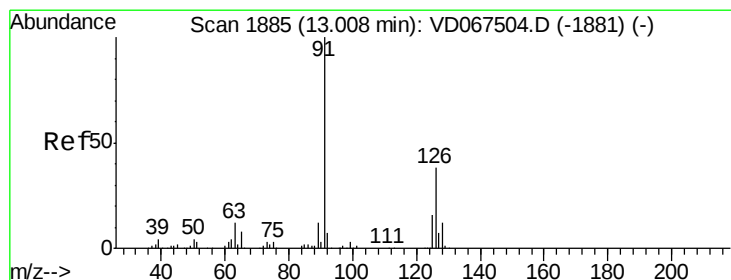
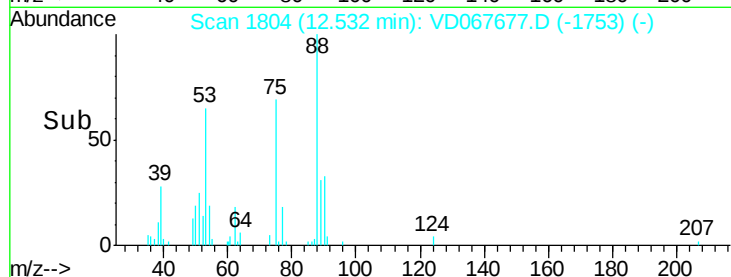
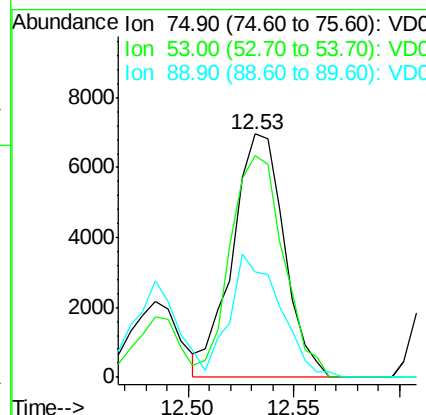
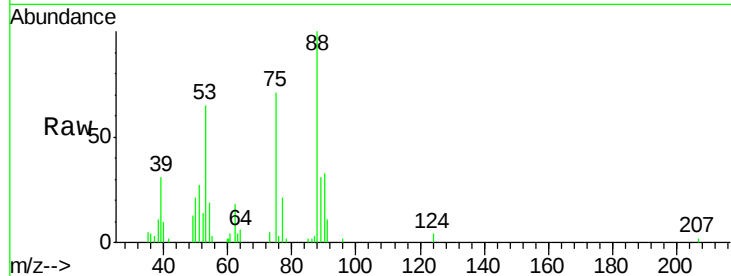
#81
trans-1,4-Dichloro-2-butene
Concen: 21.056 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	75.9	113.9
89	48.8	44.6	67.0

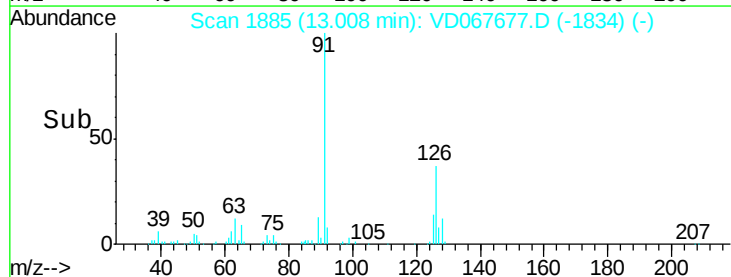
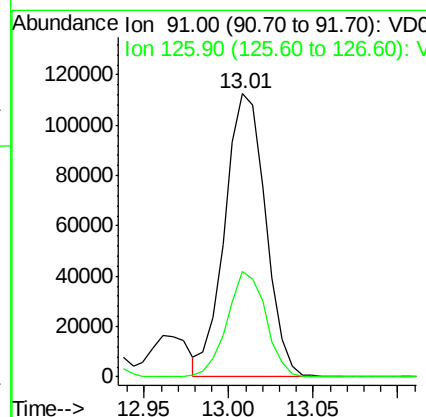
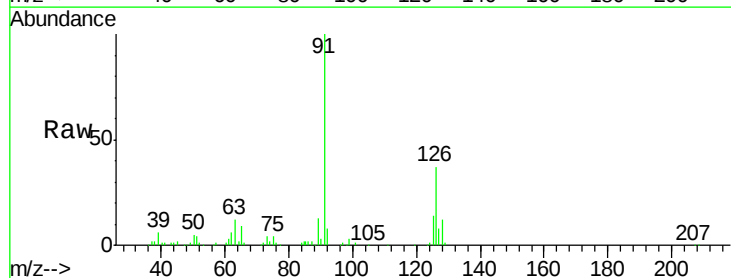
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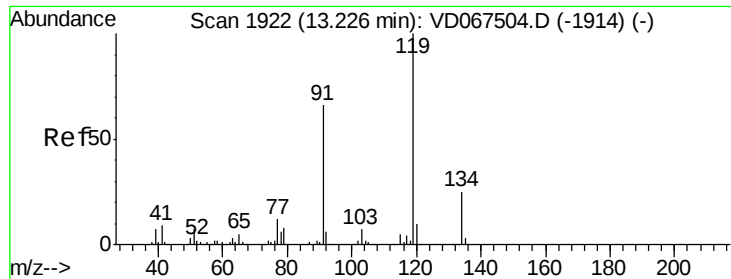
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#82
4-Chlorotoluene
Concen: 22.240 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.7





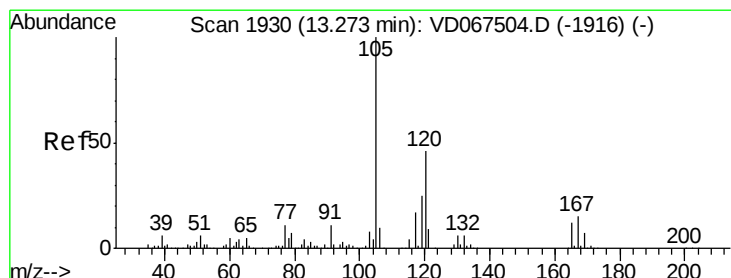
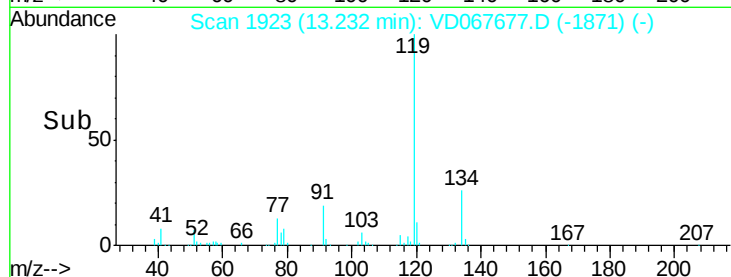
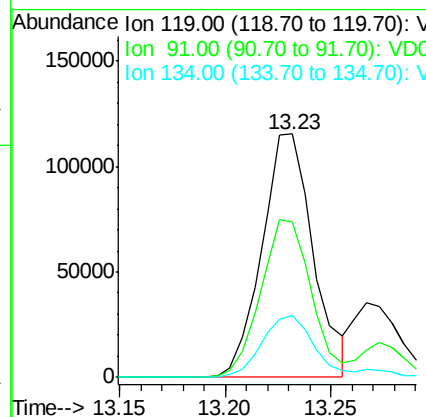
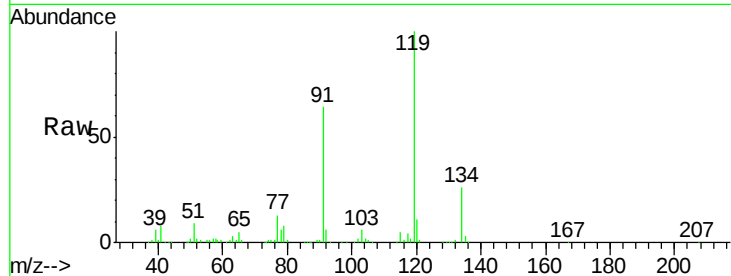
#83
tert-Butylbenzene
Concen: 22.144 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195670		
91	63.7		32.7	98.1
134	25.7		13.4	40.2

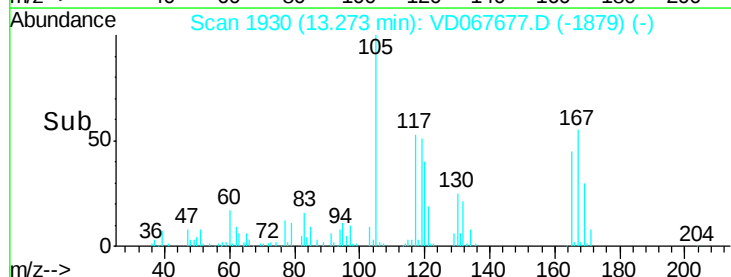
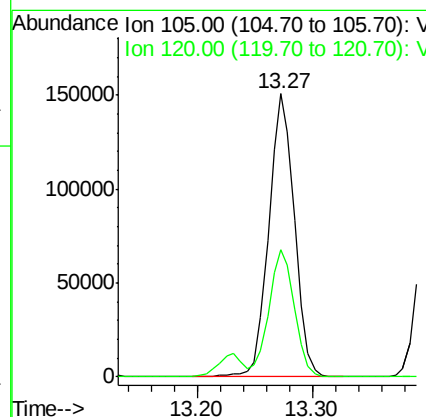
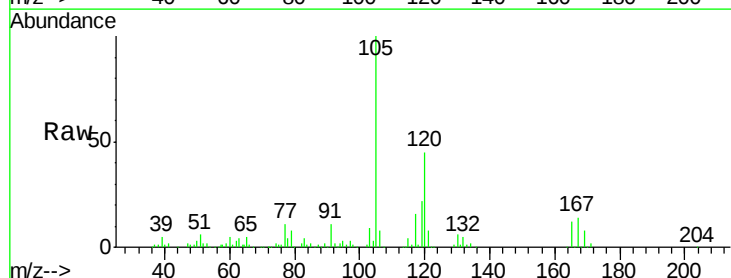
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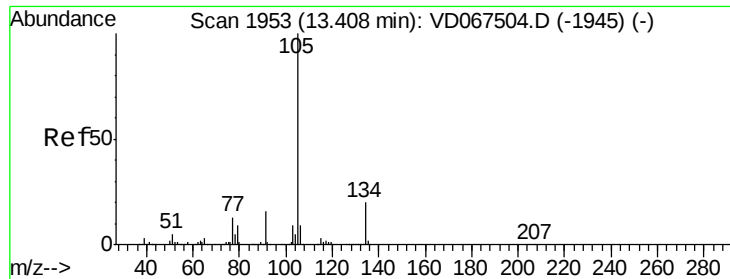
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#84
1,2,4-Trimethylbenzene
Concen: 22.541 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233938		
120	44.5		22.1	66.1





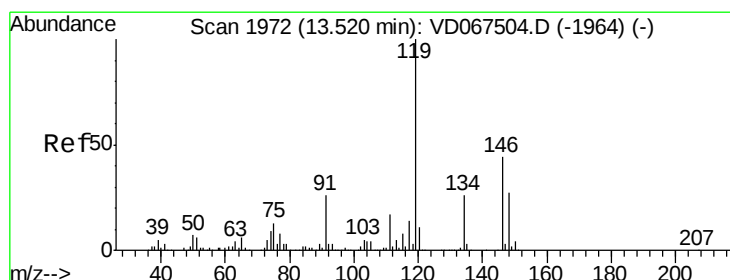
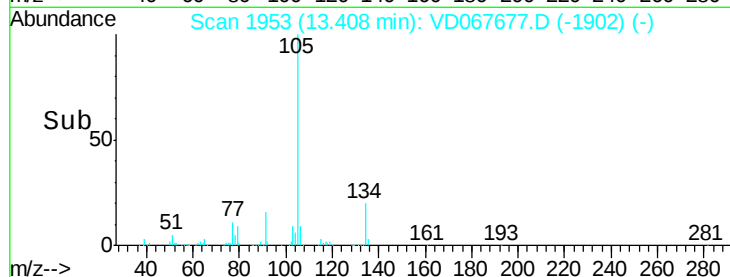
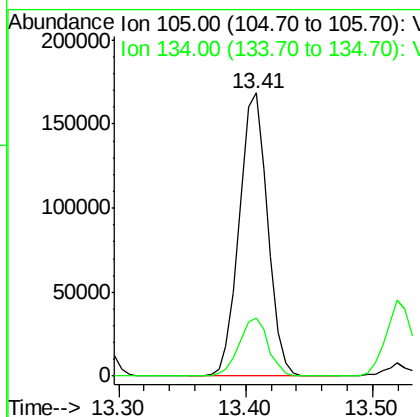
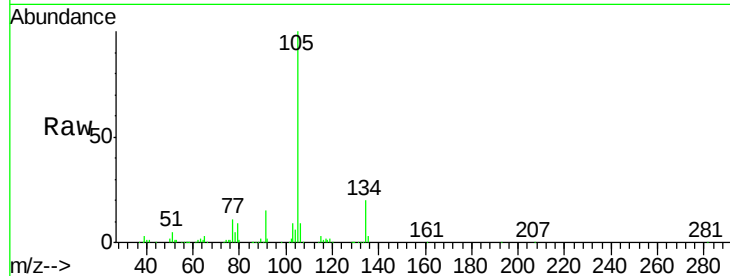
#85
 sec-Butylbenzene
 Concen: 21.856 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.4	31.4

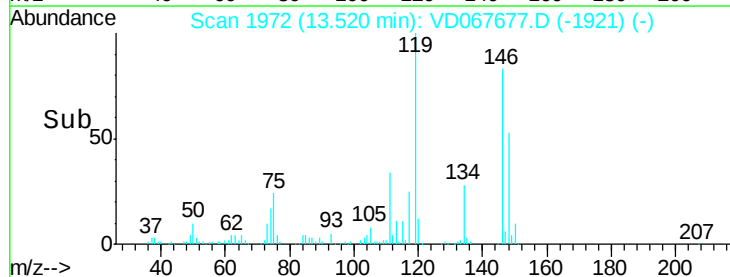
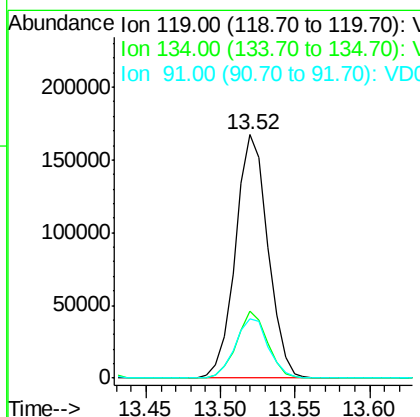
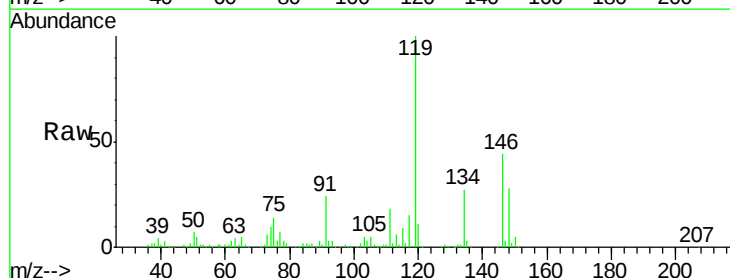
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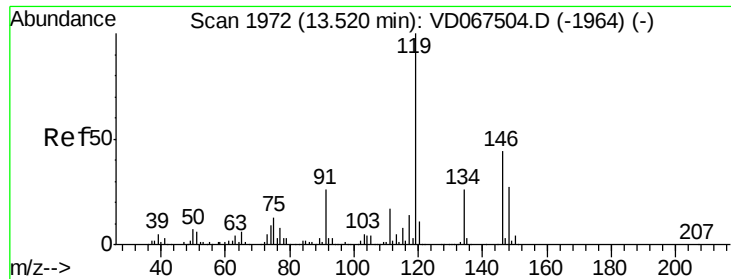
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#86
 p-Isopropyltoluene
 Concen: 21.945 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	25.4	12.2	36.4





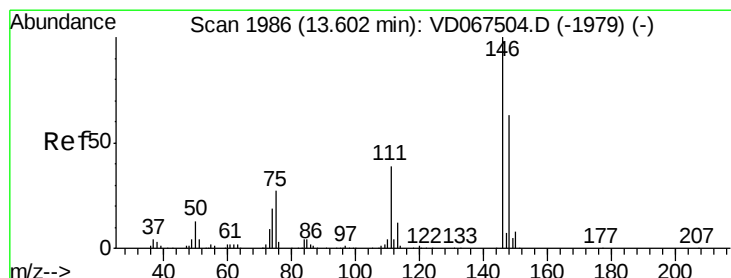
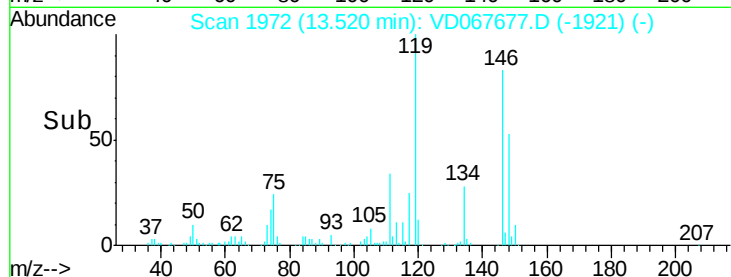
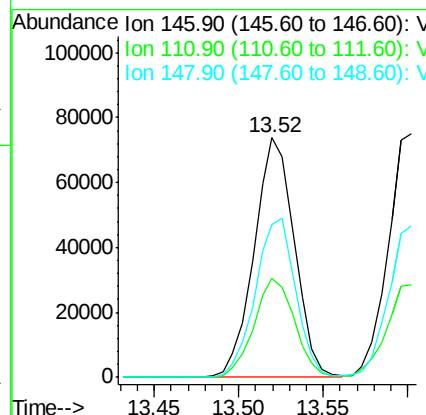
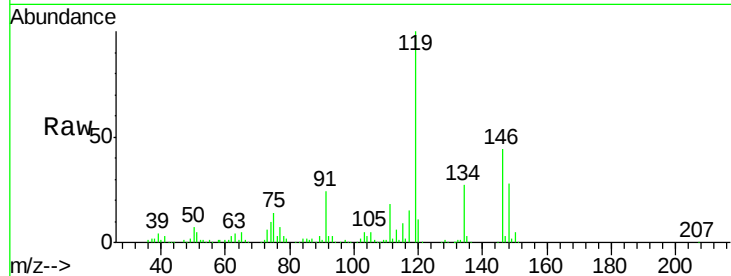
#87
 1,3-Dichlorobenzene
 Concen: 21.388 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122326		
111	41.6	20.3	60.8	
148	66.3	31.9	95.9	

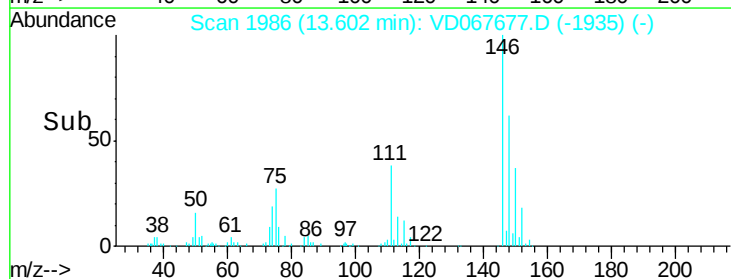
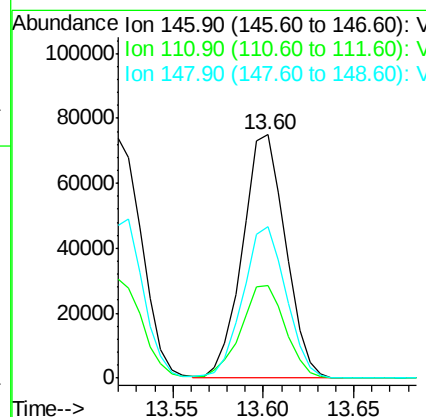
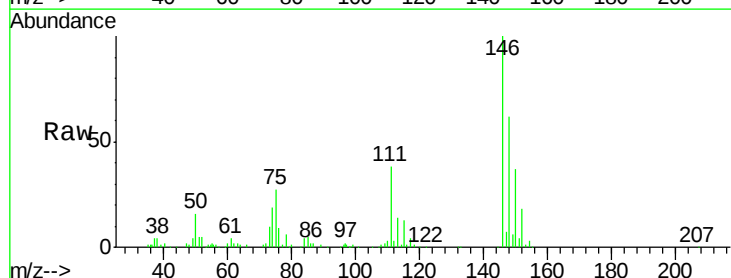
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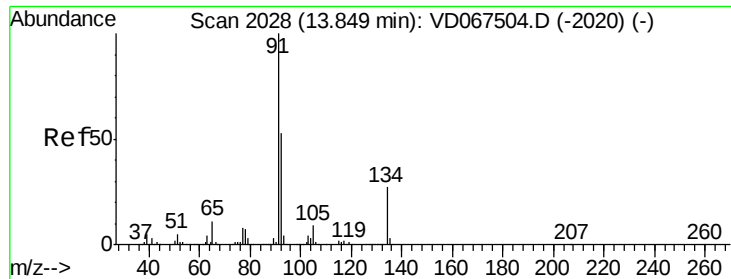
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#88
 1,4-Dichlorobenzene
 Concen: 21.427 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124090		
111	39.7	19.6	58.7	
148	62.4	31.8	95.4	





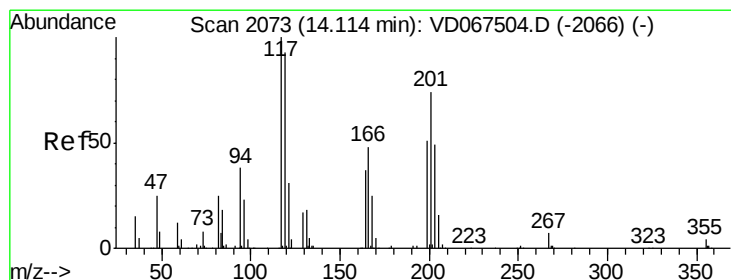
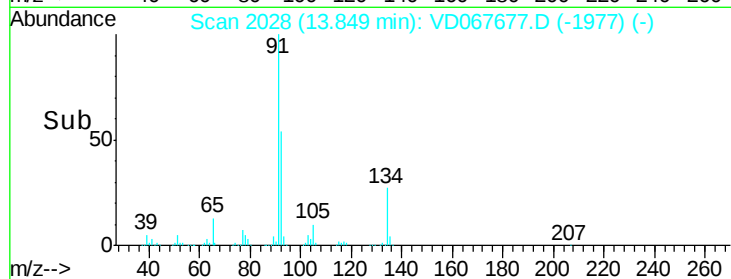
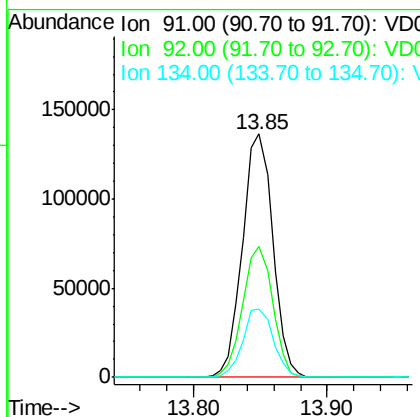
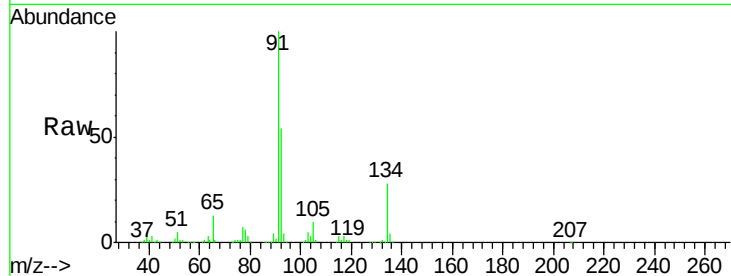
#89
n-Butylbenzene
Concen: 21.555 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.8
134	28.4	14.1	42.2

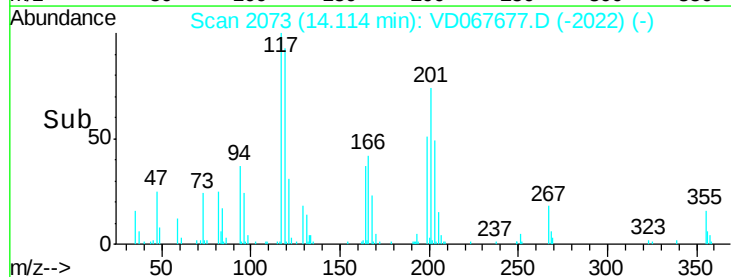
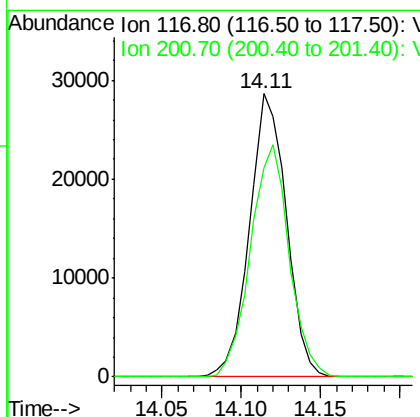
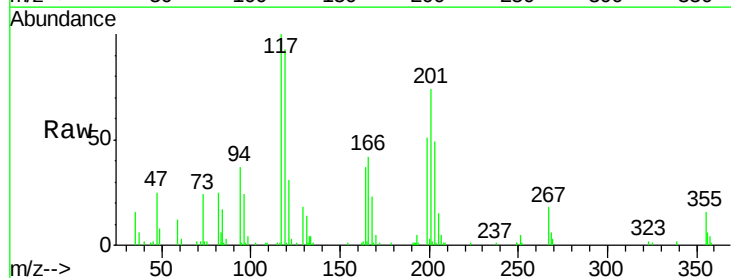
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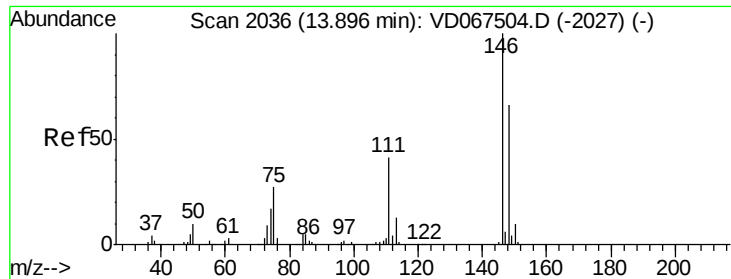
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#90
Hexachloroethane
Concen: 21.336 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	40.7	122.1





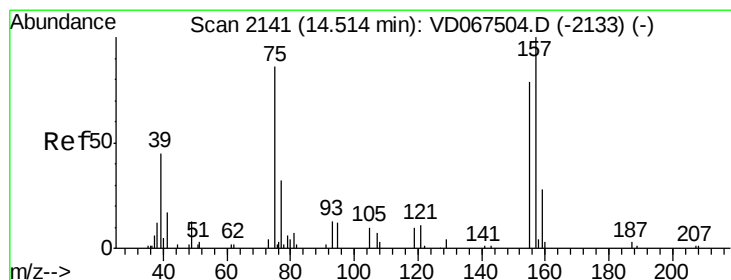
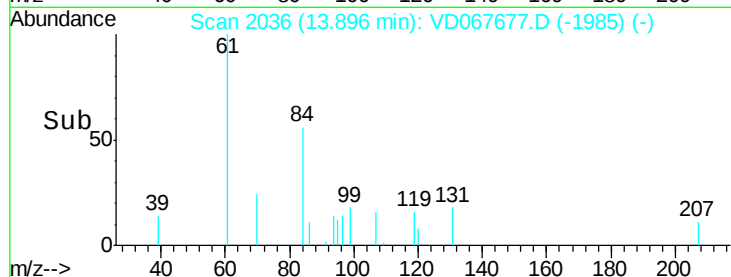
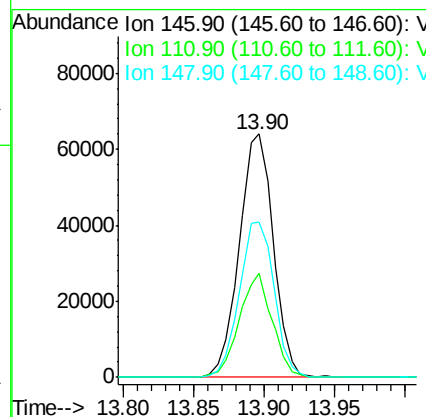
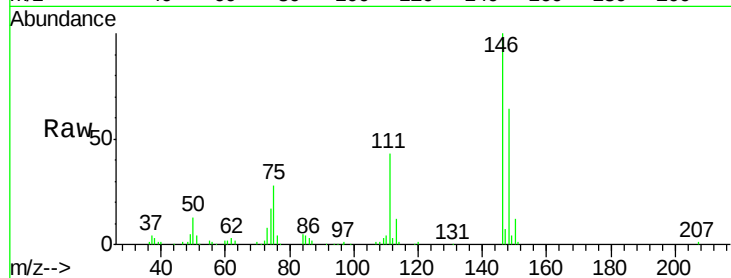
#91
 1,2-Dichlorobenzene
 Concen: 21.772 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	65.4	31.5	94.5

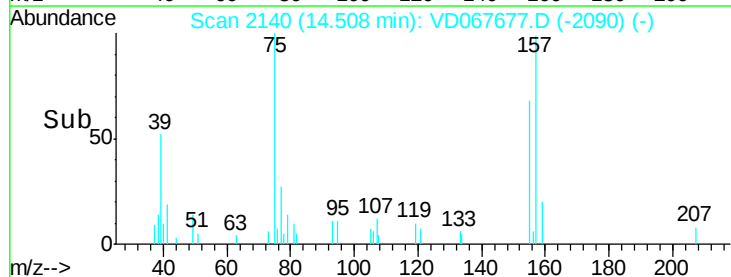
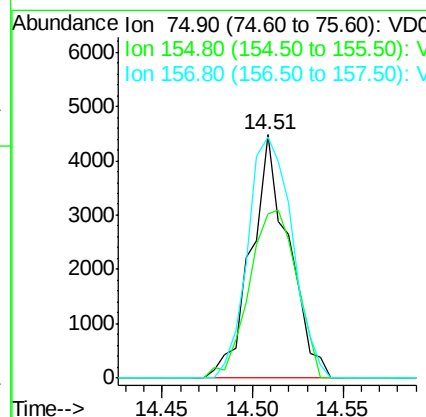
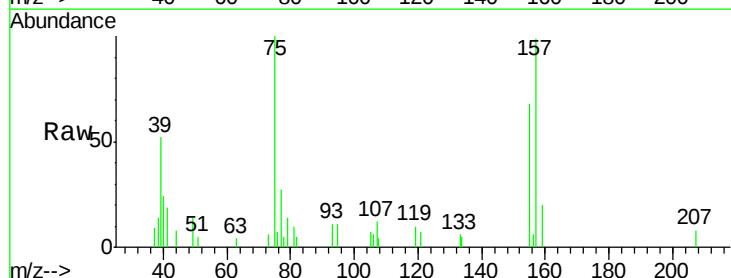
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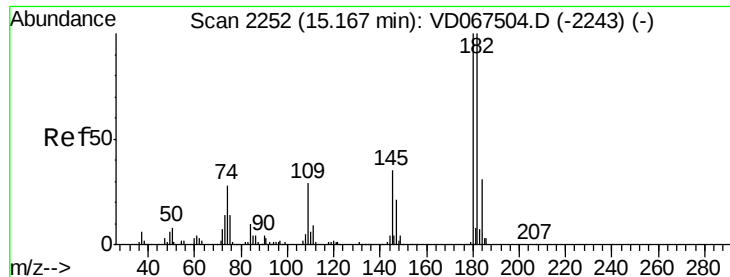
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.930 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	46.6	139.8
157	117.4	58.1	174.2





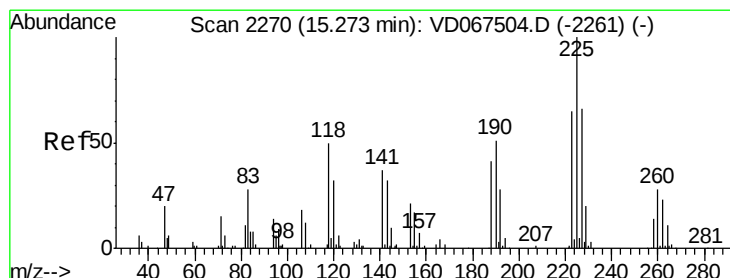
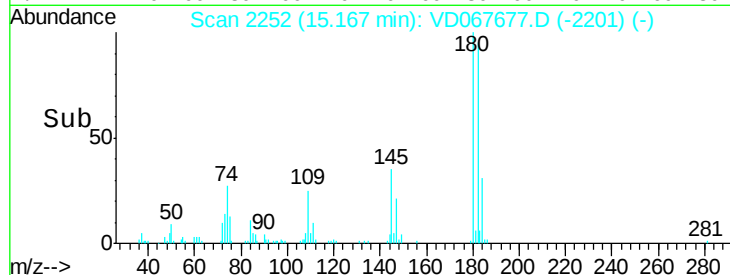
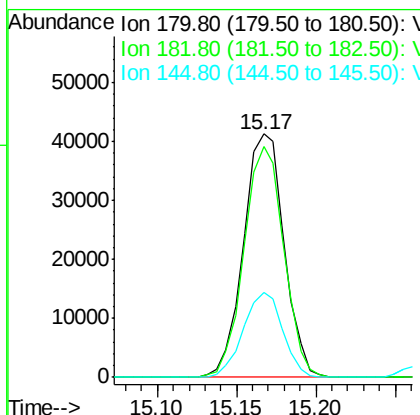
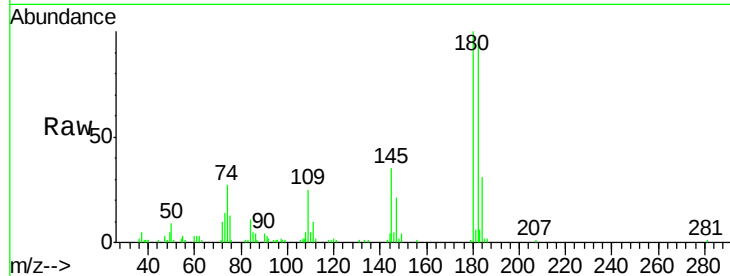
#93
 1,2,4-Trichlorobenzene
 Concen: 21.879 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.3
145	34.0	16.2	48.6

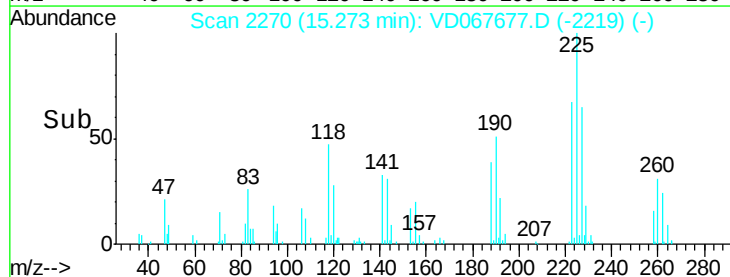
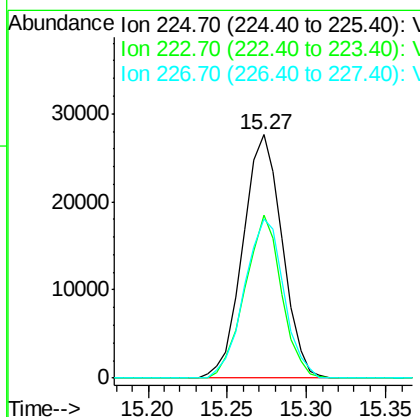
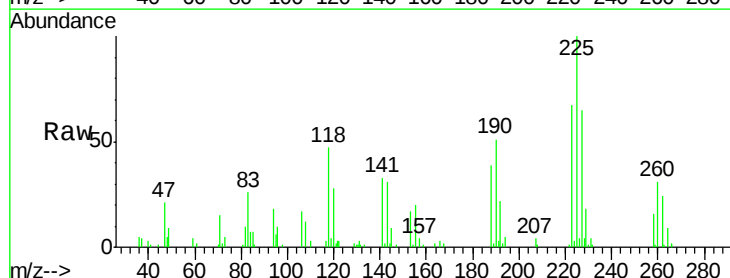
Manual Integrations
 APPROVED

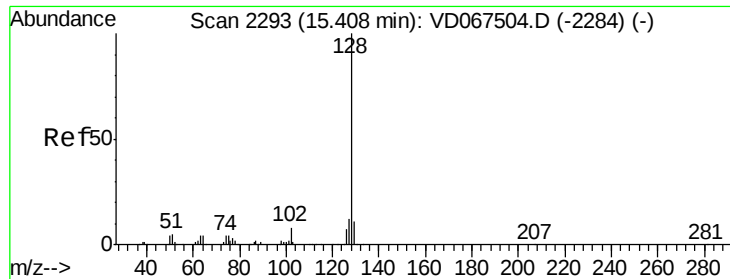
MMDadoda
 11/19/2020 11:07:05 AM



#94
 Hexachlorobutadiene
 Concen: 21.177 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.9	95.5
227	65.7	32.5	97.4





#95

Naphthalene

Concen: 20.522 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

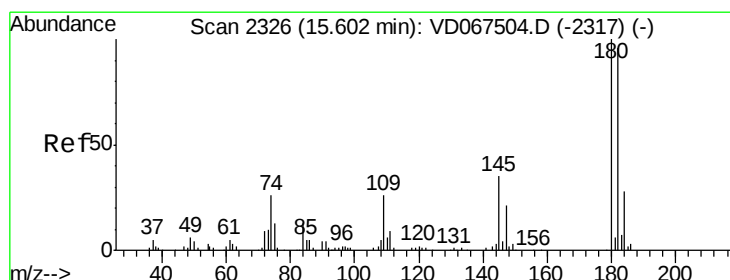
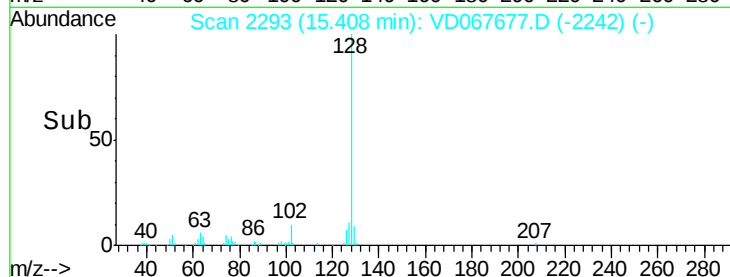
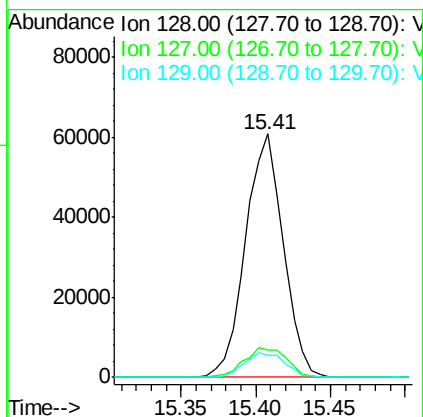
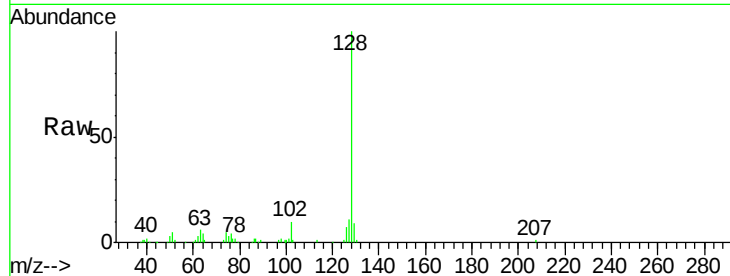
ClientSampleId :

VD1118SBS01

Tot Ion:	128	Resp:	106404
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/19/2020 11:07:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.132 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Tgt Ion:	180	Resp:	60797
Ion Ratio	Lower	Upper	
180	100		
182	93.3	46.9	140.8
145	34.8	17.1	51.2

