

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066611.D
 Acq On : 10 Sep 2020 12:58
 Operator : VA/SY
 Sample : VD0910SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:17:57 AM

Quant Time: Sep 11 02:27:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	353904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	577288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	535831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232929	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
35) Dibromofluoromethane	7.91	113	209582	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
50) Toluene-d8	10.34	98	775547	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
62) 4-Bromofluorobenzene	12.63	95	260396	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72430	22.626	ug/l	93
3) Chloromethane	2.21	50	90747	20.276	ug/l	100
4) Vinyl Chloride	2.35	62	100909	20.328	ug/l	92
5) Bromomethane	2.76	94	69831	19.474	ug/l	98
6) Chloroethane	2.92	64	59823	18.974	ug/l #	85
7) Trichlorofluoromethane	3.27	101	153576	20.943	ug/l	96
8) Diethyl Ether	3.71	74	36006	19.499	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	79892	20.130	ug/l	99
10) Methyl Iodide	4.30	142	64822	20.489	ug/l	100
11) Tert butyl alcohol	5.23	59	34201	100.548	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	70623	19.807	ug/l	97
13) Acrolein	3.92	56	16094	91.924	ug/l	97
14) Allyl chloride	4.71	41	116076	19.864	ug/l	98
15) Acrylonitrile	5.42	53	83542	105.316	ug/l #	88
16) Acetone	4.16	43	81194	103.057	ug/l	95
17) Carbon Disulfide	4.41	76	236529	20.179	ug/l	98
18) Methyl Acetate	4.71	43	40846	21.749	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	173479	20.747	ug/l	99
20) Methylene Chloride	4.96	84	100381	19.318	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	84328	19.916	ug/l	98
22) Diisopropyl ether	6.36	45	253983	21.135	ug/l	99
23) Vinyl Acetate	6.30	43	713381	104.319	ug/l	98
24) 1,1-Dichloroethane	6.26	63	154076	20.389	ug/l	99
25) 2-Butanone	7.21	43	106293	100.503	ug/l	100
26) 2,2-Dichloropropane	7.20	77	140586	20.281	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	90706	19.921	ug/l	99
28) Bromochloromethane	7.55	49	53755	18.477	ug/l	98
29) Tetrahydrofuran	7.56	42	67987	103.218	ug/l	99
30) Chloroform	7.71	83	162441	20.319	ug/l	100
31) Cyclohexane	7.98	56	138007	19.756	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	150617	20.038	ug/l	100
36) 1,1-Dichloropropene	8.11	75	123018	20.476	ug/l	98
37) Ethyl Acetate	7.29	43	50775	21.224	ug/l	97
38) Carbon Tetrachloride	8.09	117	131378	20.689	ug/l	94

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	134913	20.110	ug/l	96
40) Benzene	8.34	78	338604	20.579	ug/l	99
41) Methacrylonitrile	7.52	41	25694	22.188	ug/l #	65
42) 1,2-Dichloroethane	8.43	62	108546	20.361	ug/l	87
43) Isopropyl Acetate	8.45	43	98206	21.421	ug/l	97
44) Trichloroethene	9.11	130	88811	20.577	ug/l	94
45) 1,2-Dichloropropane	9.38	63	84056	20.314	ug/l	94
46) Dibromomethane	9.47	93	46288	20.276	ug/l	96
47) Bromodichloromethane	9.66	83	129355	20.943	ug/l	94
48) Methyl methacrylate	9.45	41	46031	19.856	ug/l	96
49) 1,4-Dioxane	9.46	88	9684	386.657	ug/l #	83
51) 4-Methyl-2-Pentanone	10.23	43	245457	106.161	ug/l	97
52) Toluene	10.40	92	214662	20.610	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	111908	20.524	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	132079	20.172	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	61637	20.999	ug/l	95
56) Ethyl methacrylate	10.66	69	68490	20.040	ug/l	97
57) 1,3-Dichloropropane	10.94	76	106676	20.749	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	192448	123.110	ug/l	98
59) 2-Hexanone	10.98	43	162537	104.535	ug/l	99
60) Dibromochloromethane	11.14	129	78723	20.282	ug/l	97
61) 1,2-Dibromoethane	11.24	107	60511	21.190	ug/l	97
64) Tetrachloroethene	10.87	164	71031	19.688	ug/l	93
65) Chlorobenzene	11.67	112	222474	20.117	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	83372	19.753	ug/l	99
67) Ethyl Benzene	11.74	91	399142	19.656	ug/l	99
68) m/p-Xylenes	11.86	106	307198	40.743	ug/l	99
69) o-Xylene	12.18	106	134520	19.907	ug/l	98
70) Styrene	12.20	104	236614	20.141	ug/l	99
71) Bromoform	12.36	173	44095	20.730	ug/l #	98
73) Isopropylbenzene	12.48	105	379784	20.582	ug/l	99
74) N-amyl acetate	12.28	43	82175	19.662	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	68220	20.927	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	42016m	17.529	ug/l	
77) Bromobenzene	12.76	156	87534	21.278	ug/l	97
78) n-propylbenzene	12.82	91	463835	20.735	ug/l	100
79) 2-Chlorotoluene	12.91	91	261860	20.867	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	323756	20.846	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20810	20.269	ug/l	94
82) 4-Chlorotoluene	13.01	91	275948	20.563	ug/l	99
83) tert-Butylbenzene	13.23	119	262759	20.718	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	324385	20.978	ug/l	96
85) sec-Butylbenzene	13.40	105	368960	20.192	ug/l	99
86) p-Isopropyltoluene	13.52	119	341317	20.753	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	169509	20.755	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	168511	20.557	ug/l	98
89) n-Butylbenzene	13.84	91	322234	20.106	ug/l	98
90) Hexachloroethane	14.11	117	68233	19.255	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	141645	19.842	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10696	19.315	ug/l	99

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ClientSampleId :
VD0910SBSD01

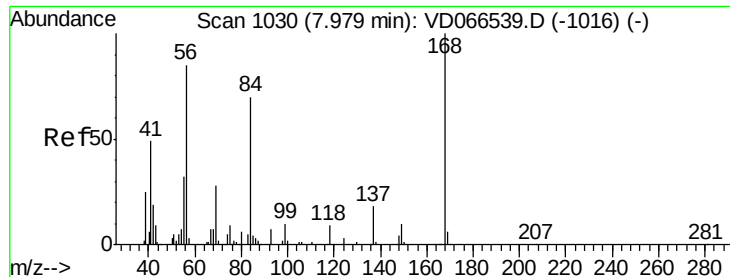
Manual Integrations
APPROVED

MMDadoda
9/11/2020 10:17:57 AM

Quant Time: Sep 11 02:27:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	89866	20.976	ug/l	96
94) Hexachlorobutadiene	15.27	225	51680	20.079	ug/l	100
95) Naphthalene	15.40	128	155626	20.788	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	77981	21.350	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBSD01

Tot Ion:168 Resp: 353904

Ion Ratio Lower Upper

168 100

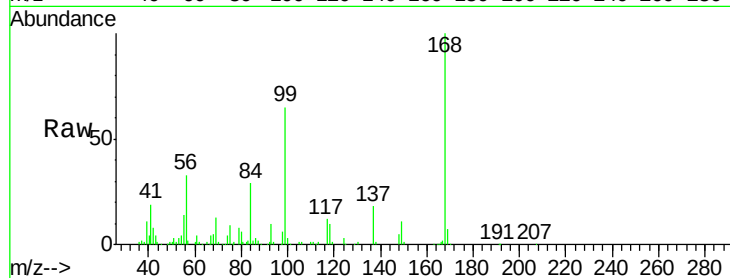
99 64.3 50.5 75.7

Manual Integrations

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9/11/2020 10:17:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

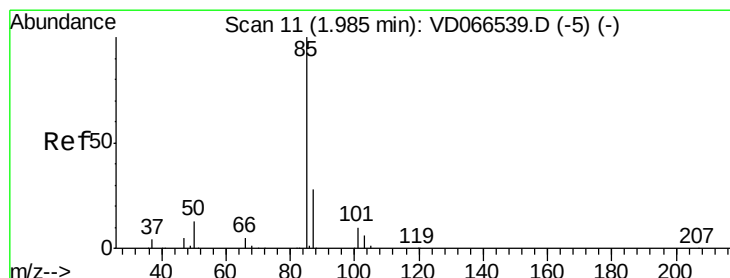
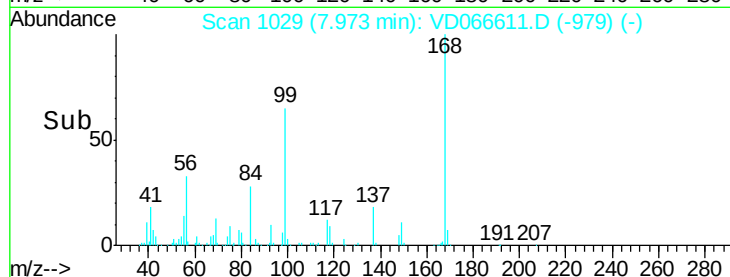
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.626 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066611.D

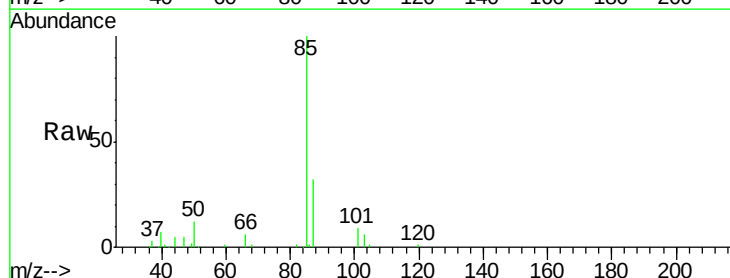
Acq: 10 Sep 2020 12:58

Tgt Ion: 85 Resp: 72430

Ion Ratio Lower Upper

85 100

87 32.0 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

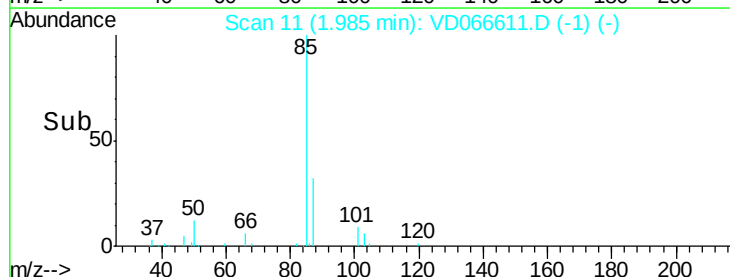
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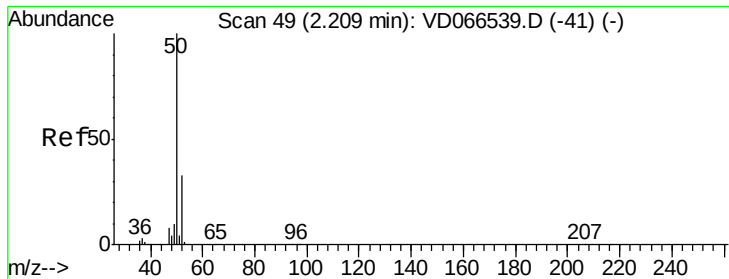
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.276 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 50 Resp: 90747

Ion Ratio Lower Upper

50 100

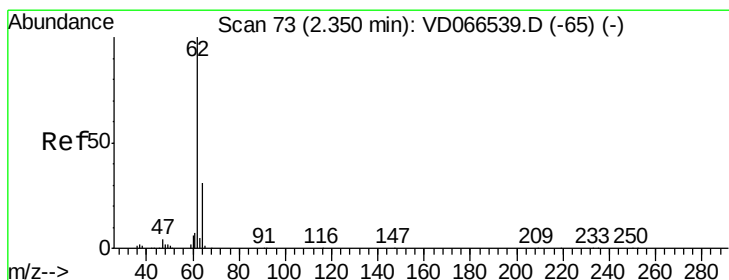
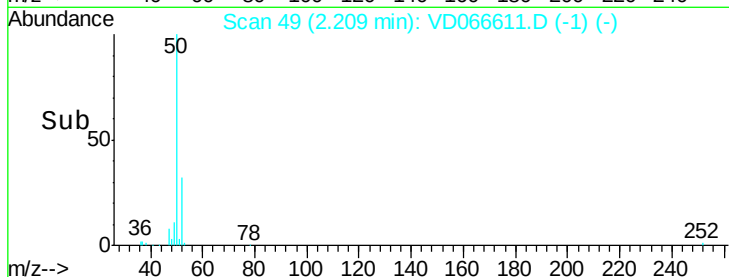
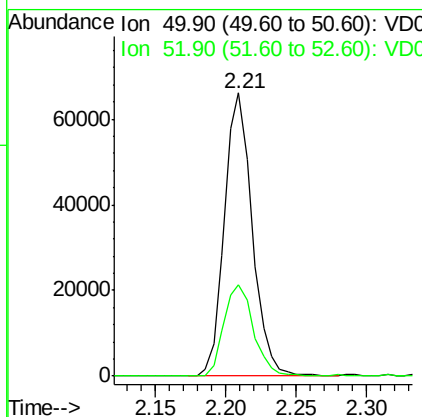
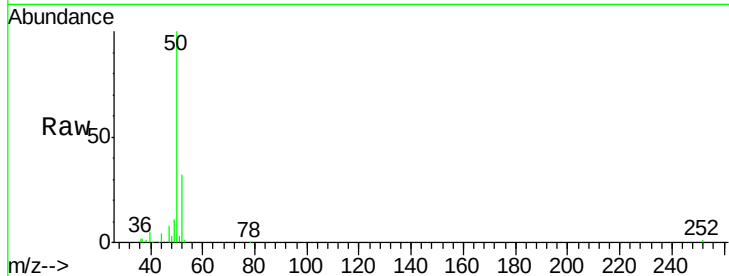
52 32.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.328 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066611.D

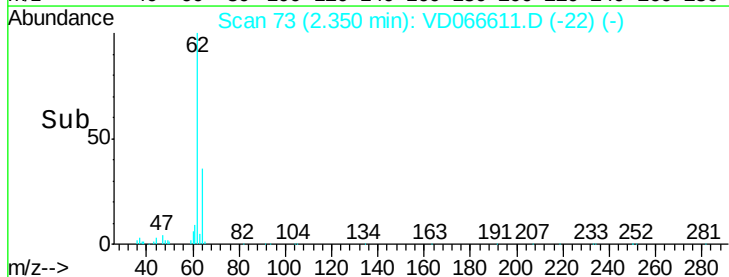
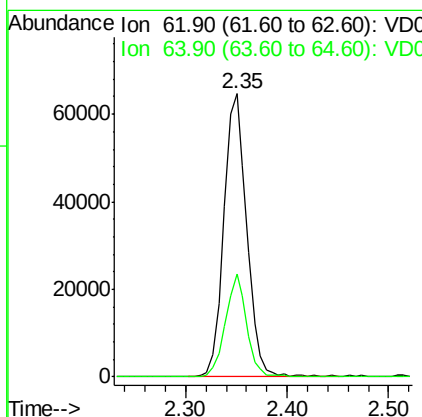
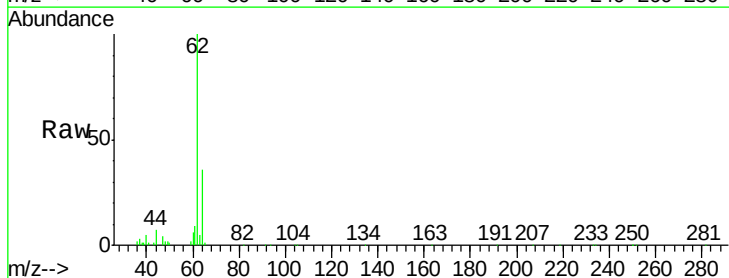
Acq: 10 Sep 2020 12:58

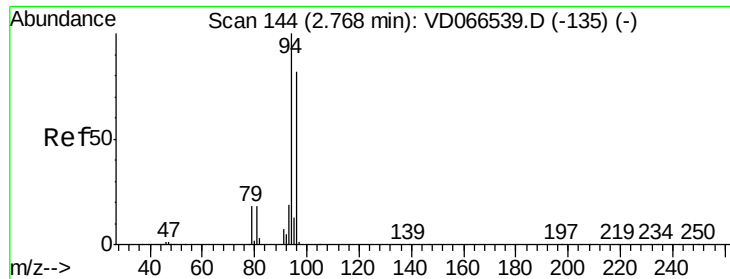
Tgt Ion: 62 Resp: 100909

Ion Ratio Lower Upper

62 100

64 36.2 25.3 37.9





#5

Bromomethane

Concen: 19.474 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 94 Resp: 69831

Ion Ratio Lower Upper

94 100

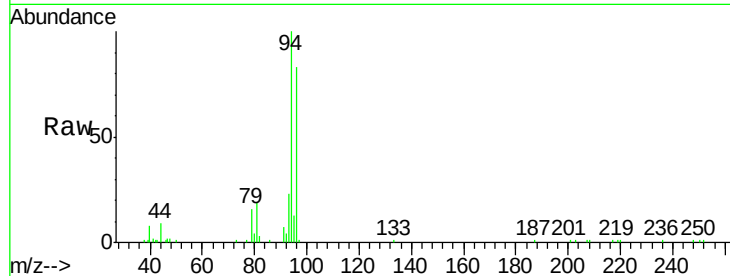
96 83.4 65.2 97.8

Manual Integrations

APPROVED

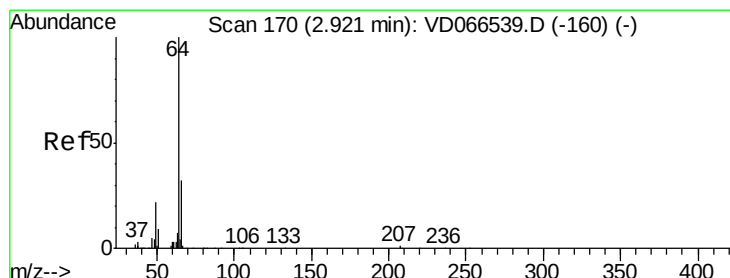
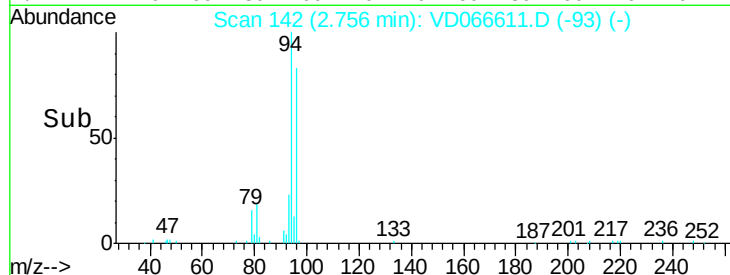
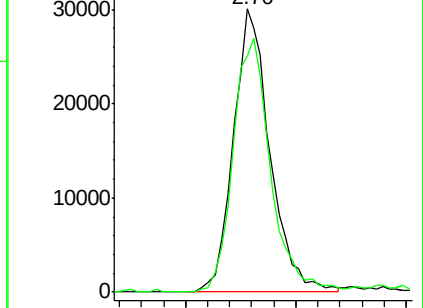
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.974 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066611.D

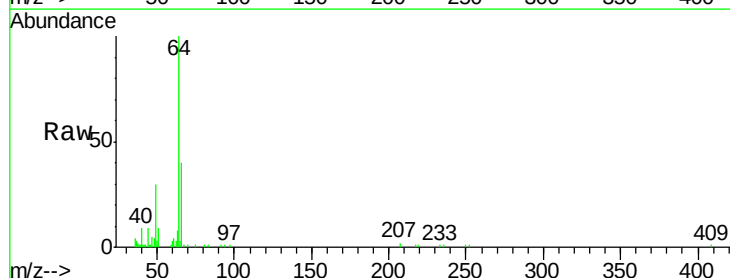
Acq: 10 Sep 2020 12:58

Tgt Ion: 64 Resp: 59823

Ion Ratio Lower Upper

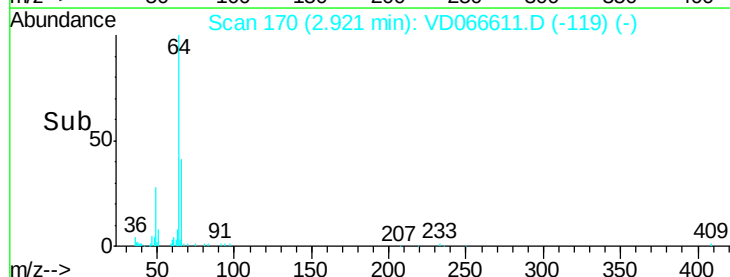
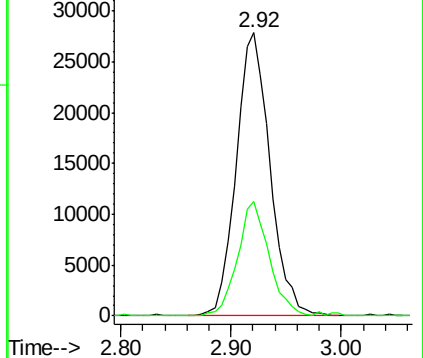
64 100

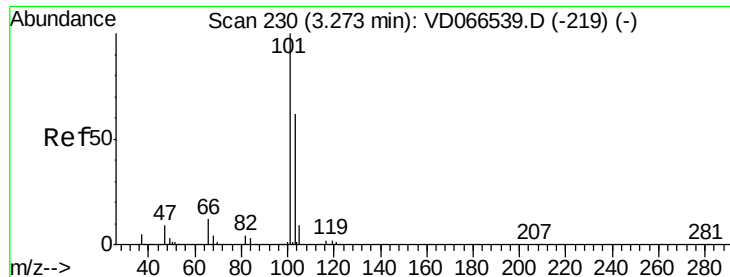
66 40.3 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

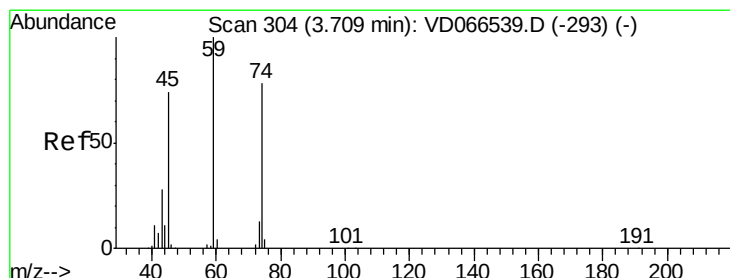
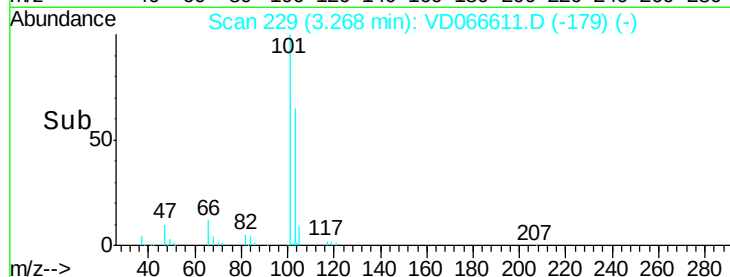
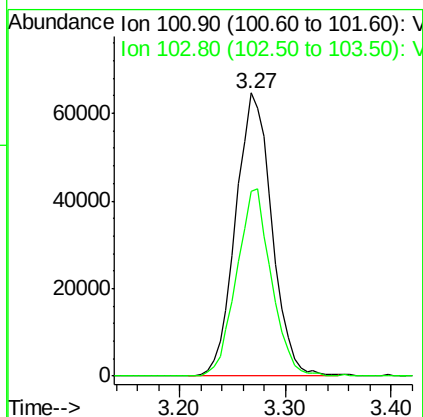
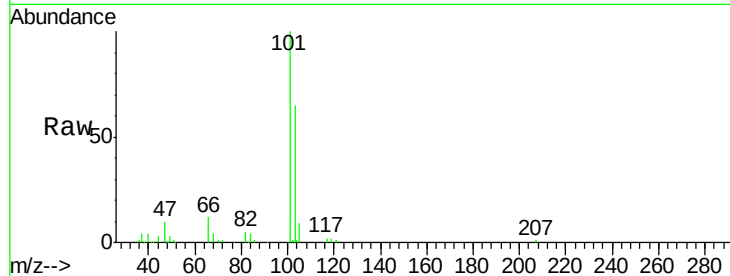
Trichlorofluoromethane
 Concen: 20.943 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	49.7	74.5

Manual Integrations
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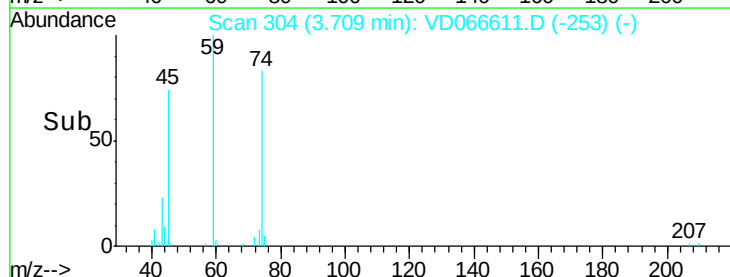
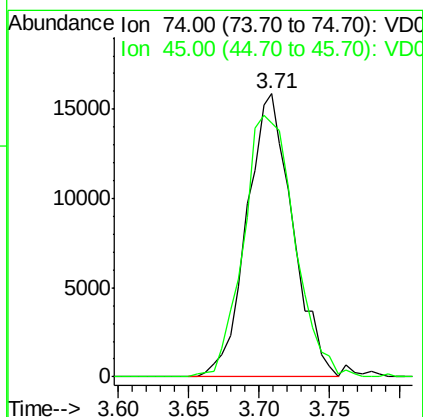
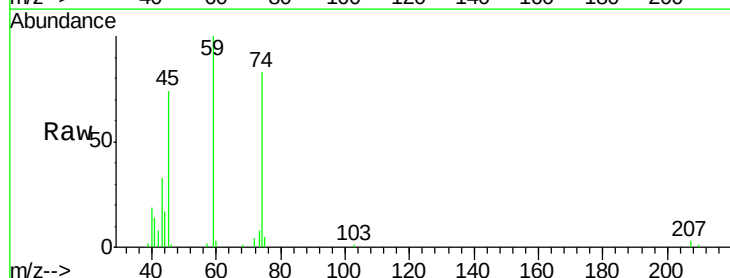
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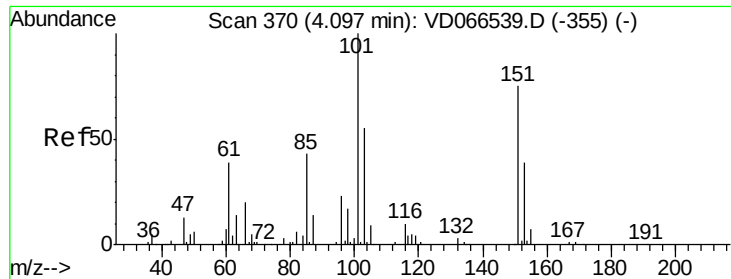


#8

Diethyl Ether
 Concen: 19.499 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.130 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

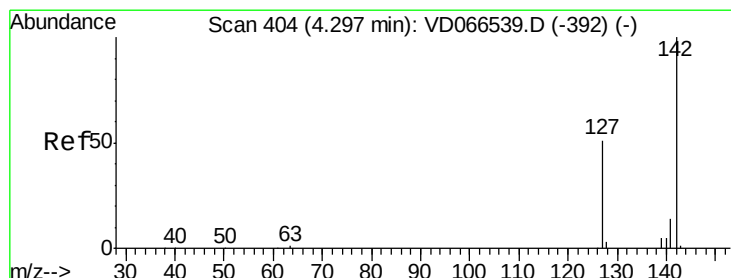
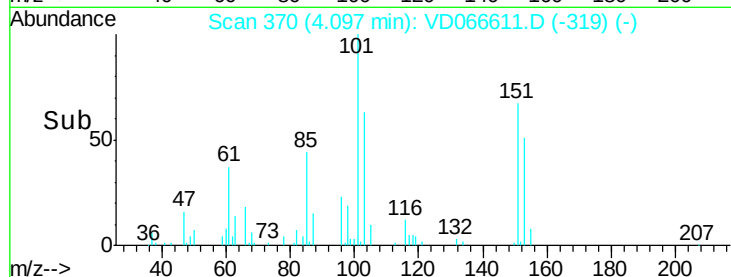
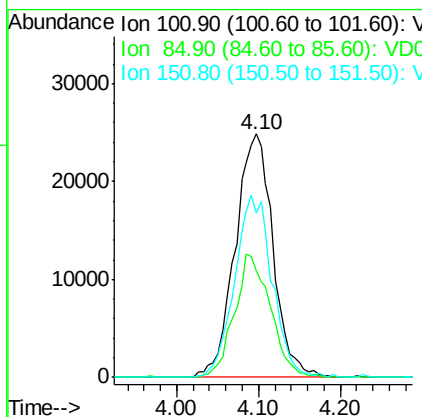
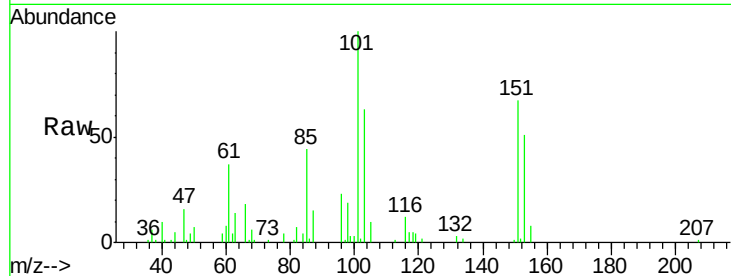
ClientSampleId :

VD0910SBS01

Tot Ion:	101	Resp:	79892
Ion Ratio	Lower	Upper	
101	100		
85	48.2	37.0	55.6
151	74.5	59.4	89.2

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#10

Methyl Iodide

Concen: 20.489 ug/l

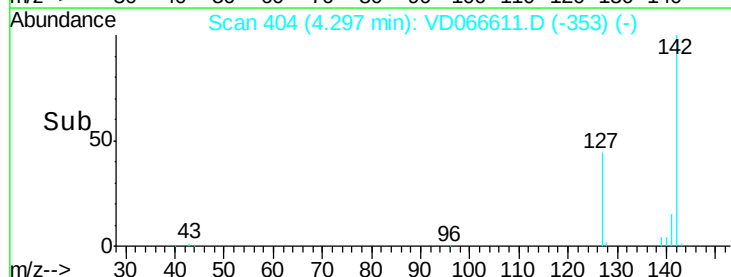
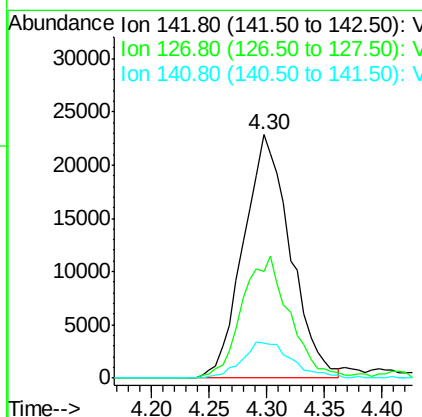
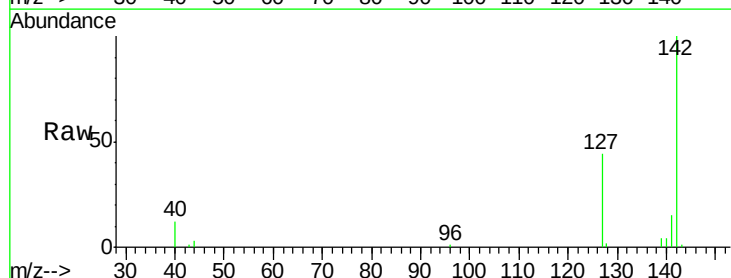
RT: 4.30 min Scan# 404

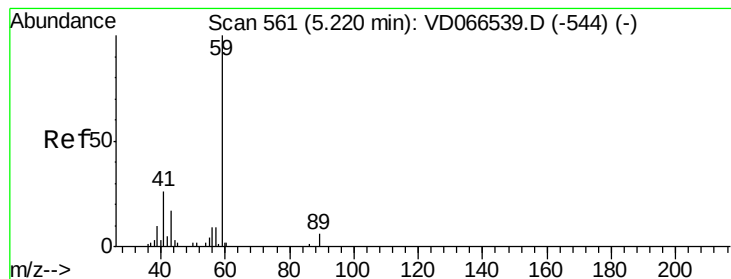
Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Tgt Ion:	142	Resp:	64822
Ion Ratio	Lower	Upper	
142	100		
127	50.7	40.6	61.0
141	15.8	12.2	18.4





#11

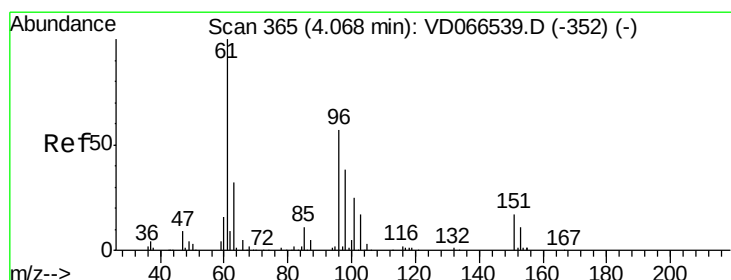
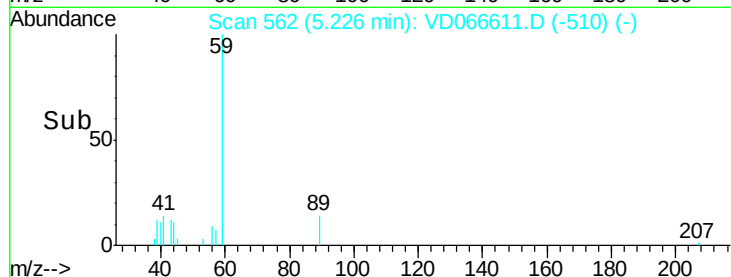
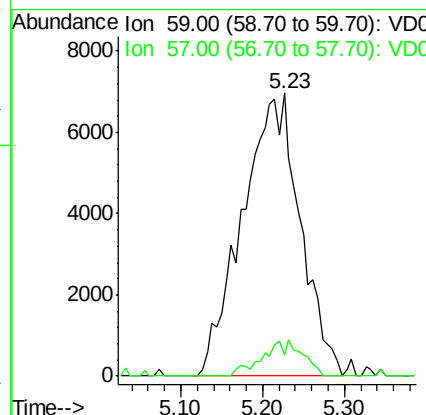
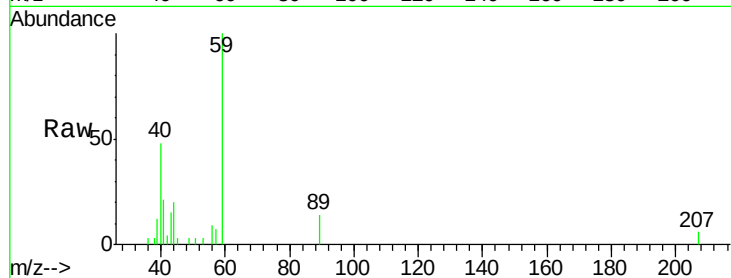
Tert butyl alcohol
Concen: 100.548 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	7.6	11.4#

Manual Integrations
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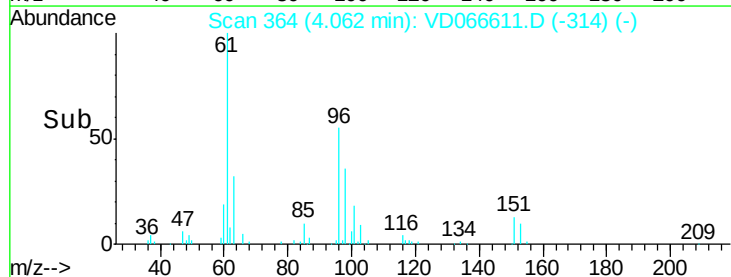
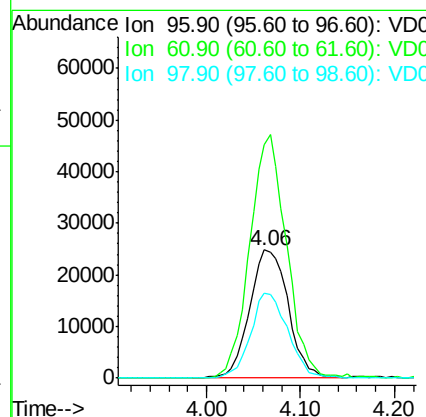
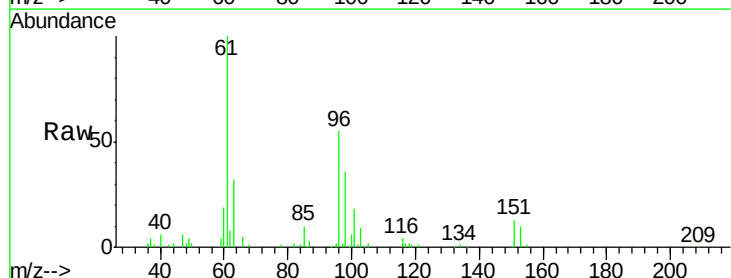
MMDadoda
9/11/2020 10:17:57 AM

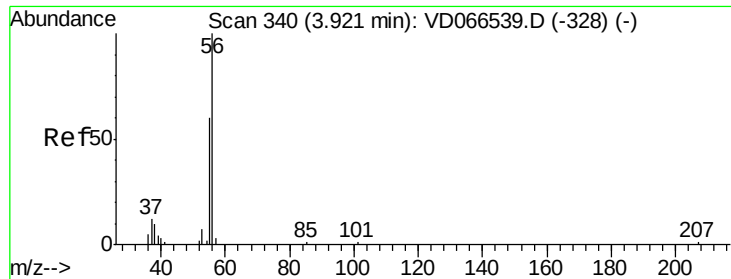


#12

1,1-Dichloroethene
Concen: 19.807 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.2	140.9	211.3
98	66.4	53.2	79.8





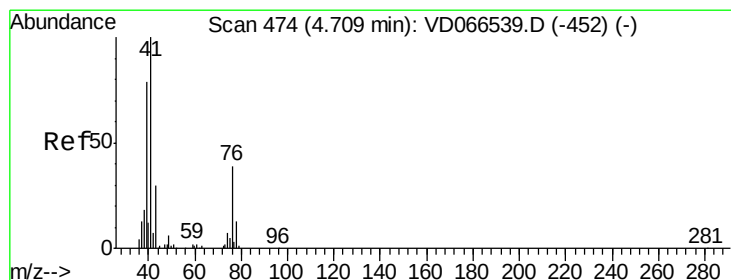
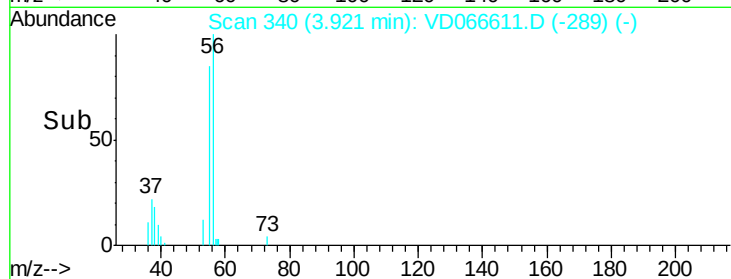
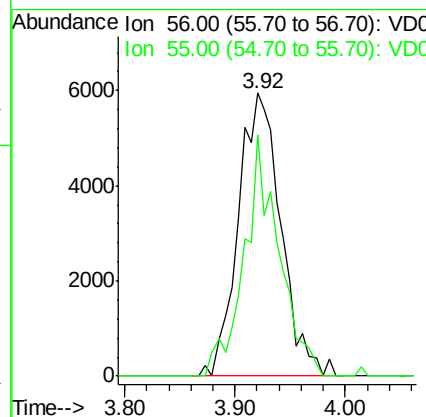
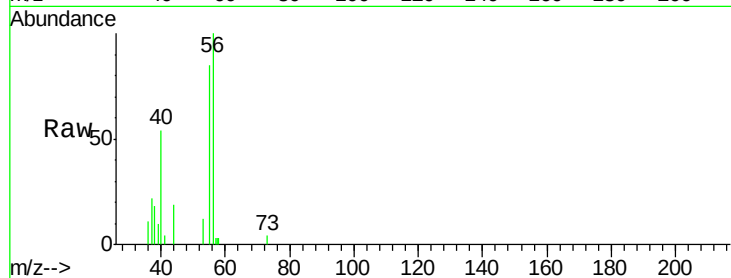
#13
 Acrolein
 Concen: 91.924 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.2	53.6	80.4	

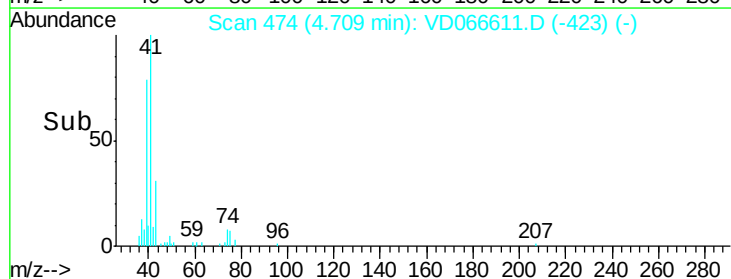
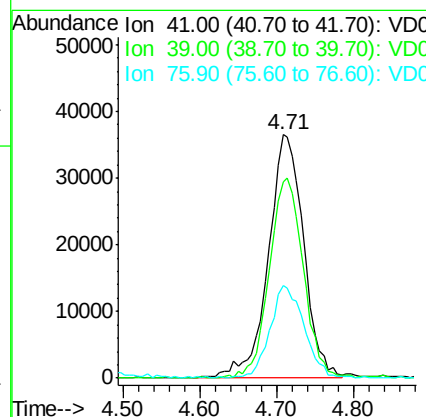
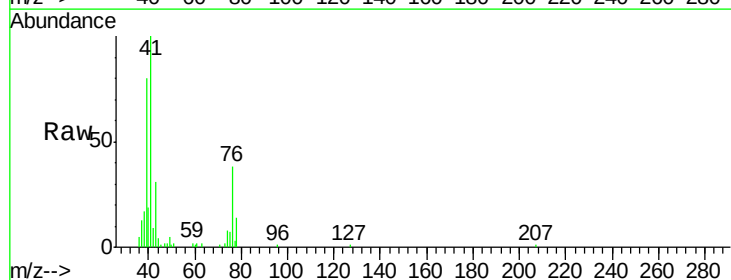
Manual Integrations
 APPROVED

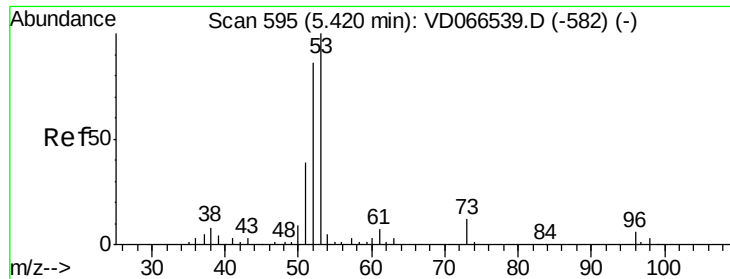
MMDadoda
 9/11/2020 10:17:57 AM



#14
 Allyl chloride
 Concen: 19.864 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	79.5	61.9	92.9	
76	36.9	29.0	43.6	





#15

Acrylonitrile

Concen: 105.316 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

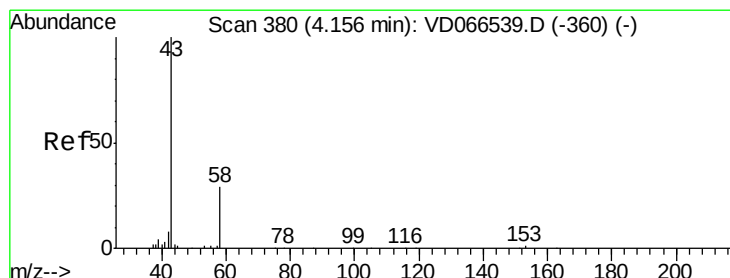
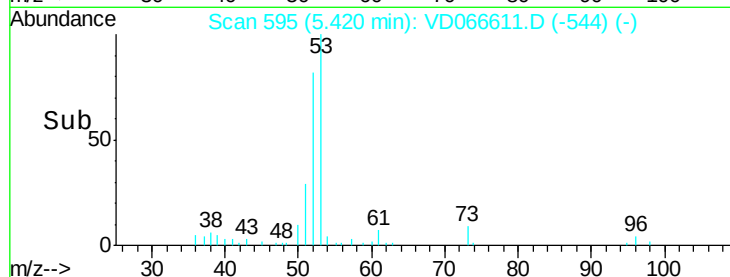
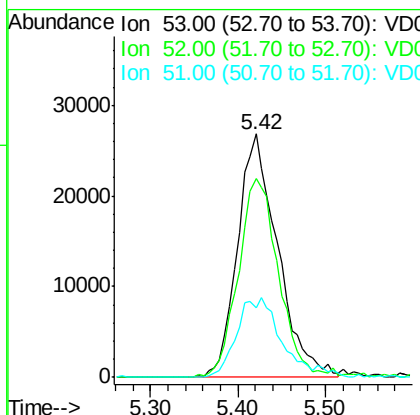
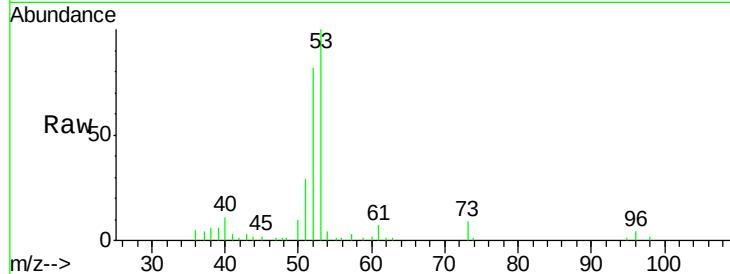
ClientSampleId :

VD0910SBS01

Tot Ion:	53	Resp:	83542
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.4	98.2
51	17.0	31.2	46.8#

Manual Integrations
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#16

Acetone

Concen: 103.057 ug/l

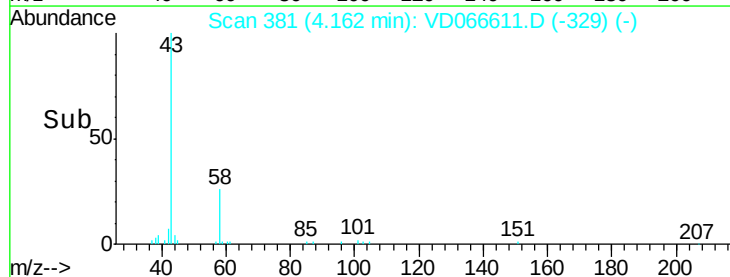
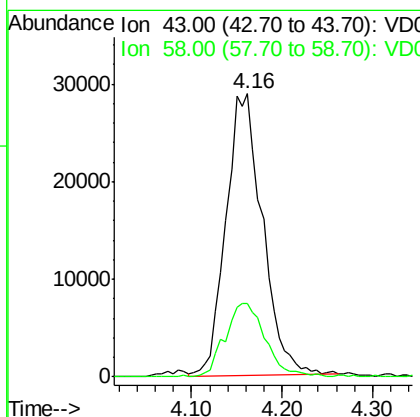
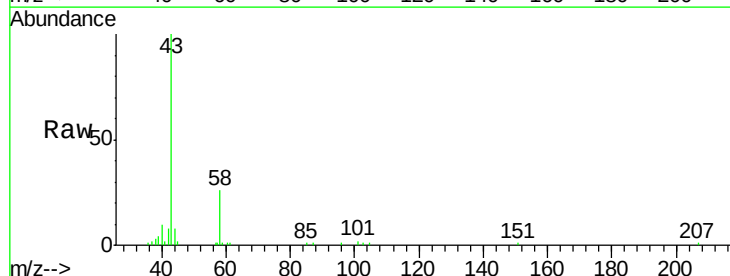
RT: 4.16 min Scan# 381

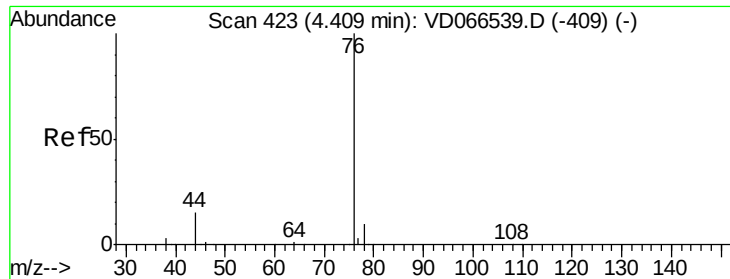
Delta R.T. 0.01 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Tgt Ion:	43	Resp:	81194
Ion Ratio	Lower	Upper	
43	100		
58	26.2	22.9	34.3





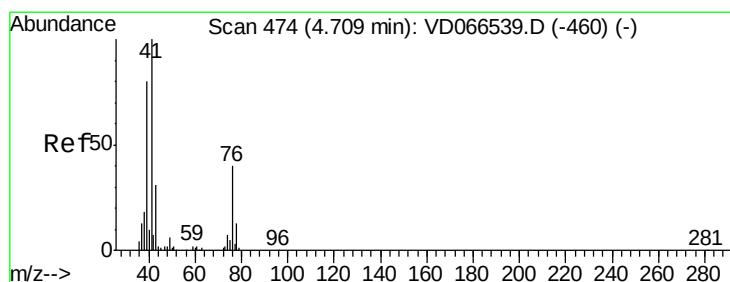
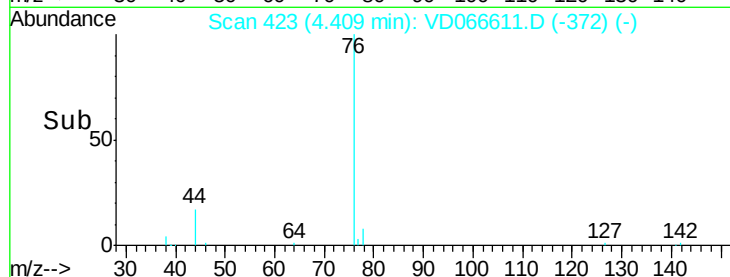
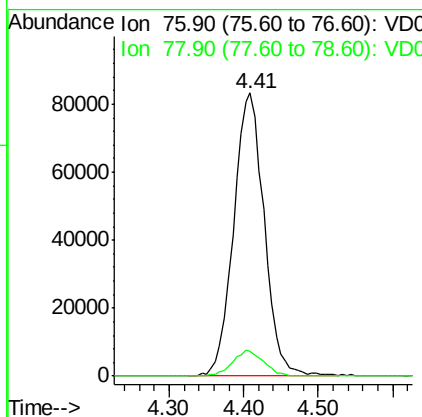
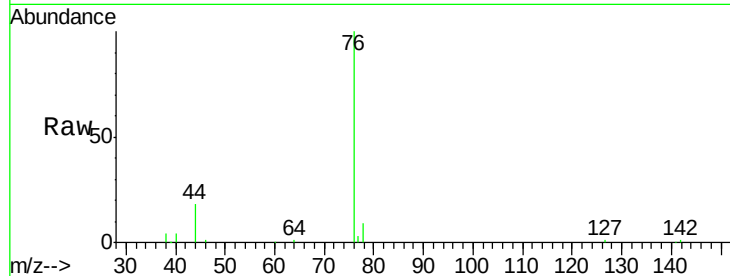
#17
Carbon Disulfide
Concen: 20.179 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.6	11.4

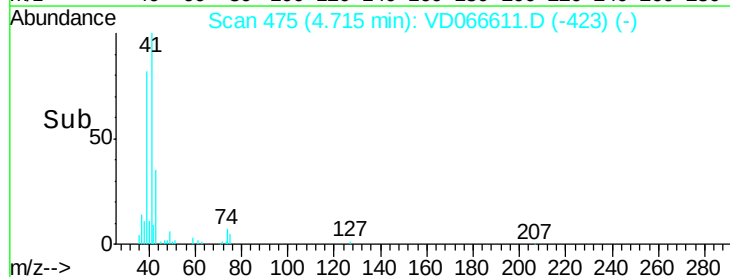
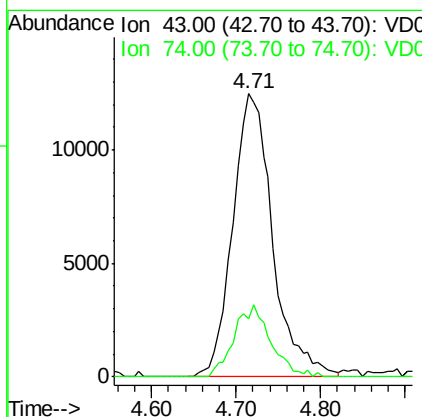
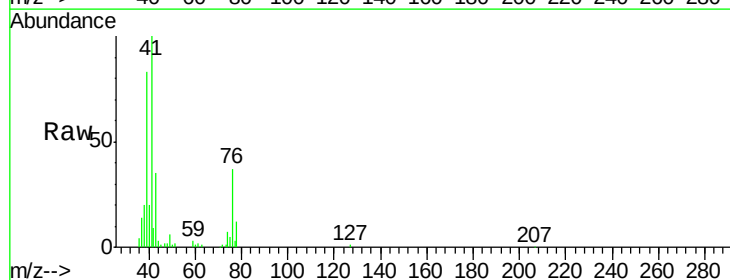
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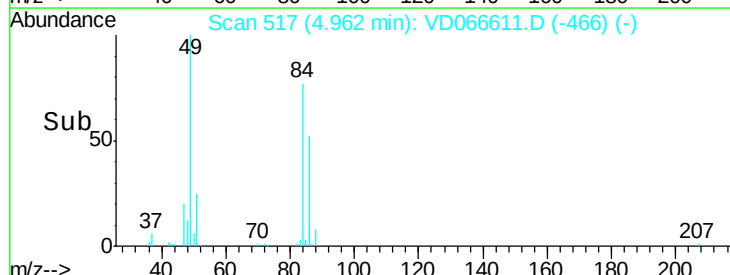
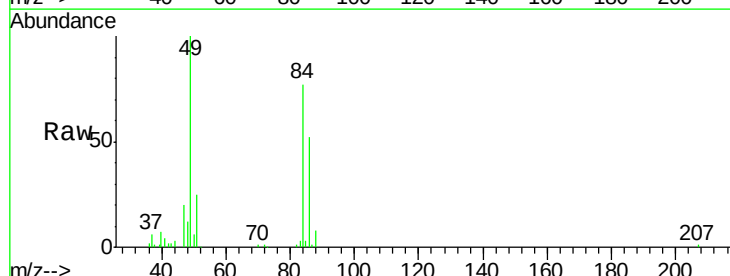
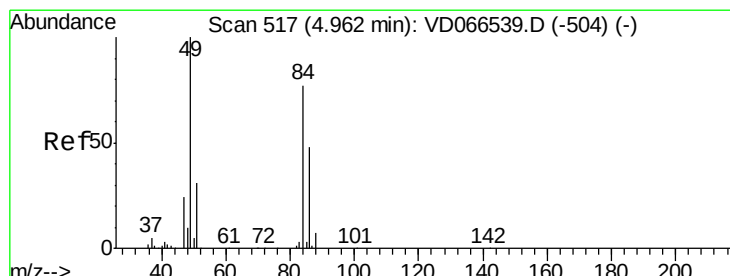
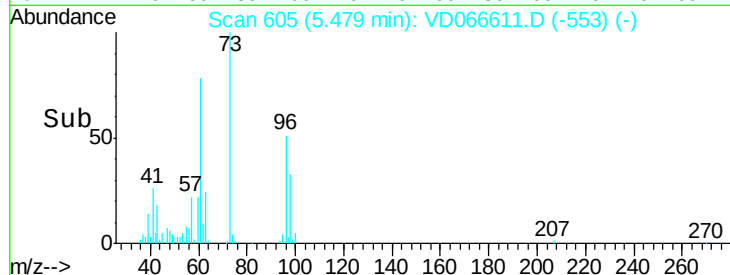
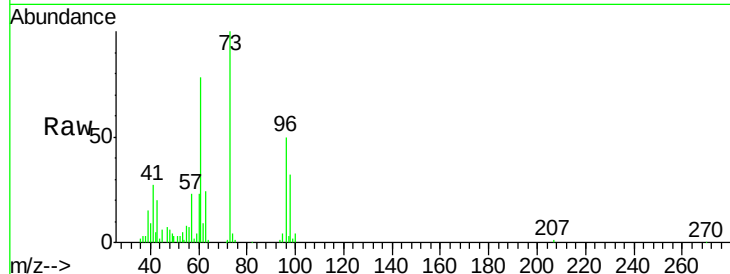
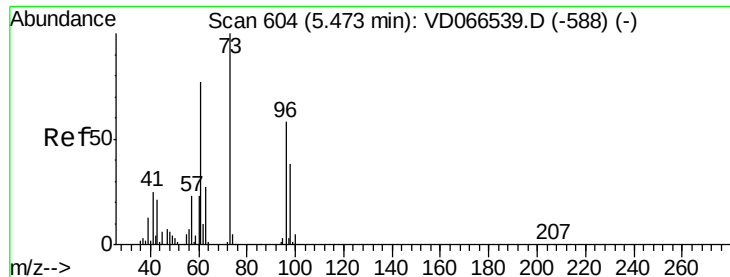
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#18
Methyl Acetate
Concen: 21.749 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.0	27.0





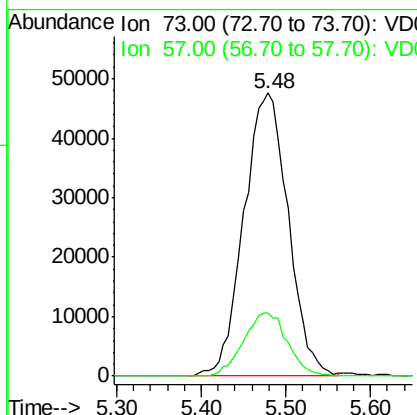
#19
Methyl tert-butyl Ether
Concen: 20.747 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tot Ion: 73 Resp: 173479
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

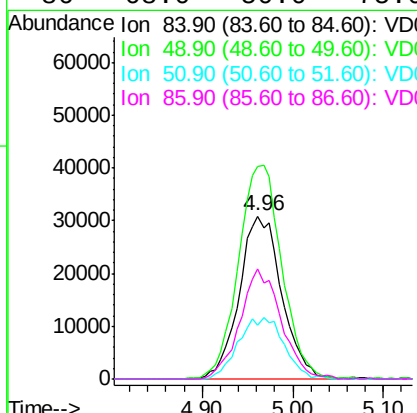
Manual Integrations
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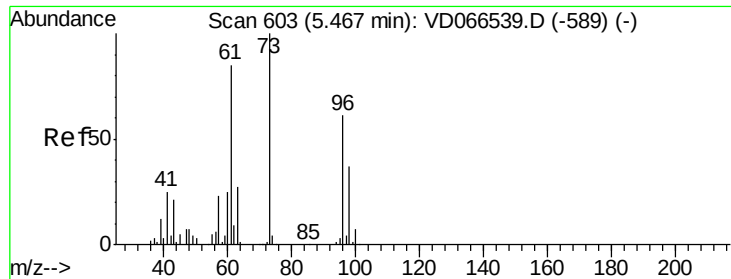
MMDadoda
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#20
Methylene Chloride
Concen: 19.318 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion: 84 Resp: 100381
Ion Ratio Lower Upper
84 100
49 130.0 104.3 156.5
51 32.9 32.2 48.4
86 68.0 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 19.916 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 96 Resp: 84328

Ion Ratio Lower Upper

96 100

61 137.8 112.1 168.1

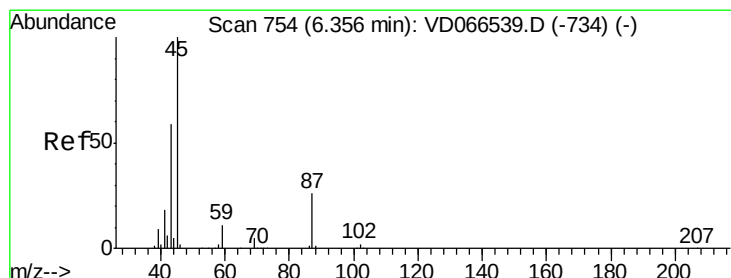
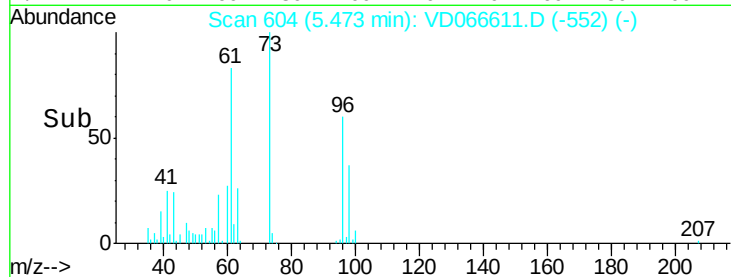
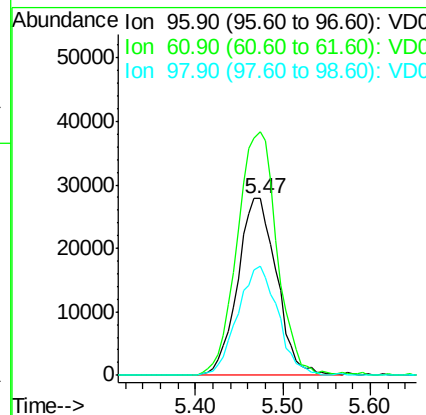
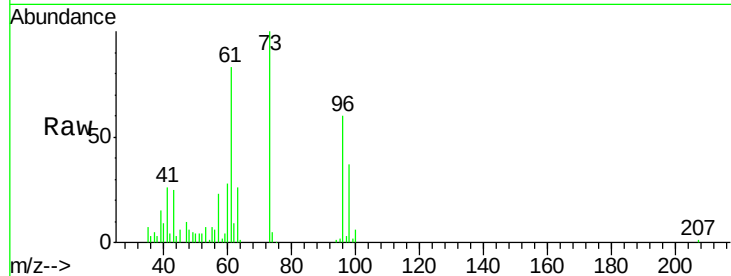
98 61.2 48.6 72.8

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#22

Diisopropyl ether

Concen: 21.135 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Tgt Ion: 45 Resp: 253983

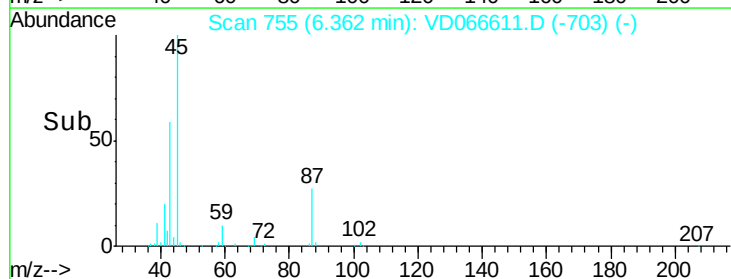
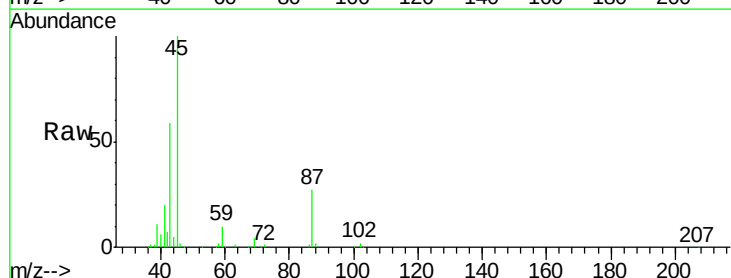
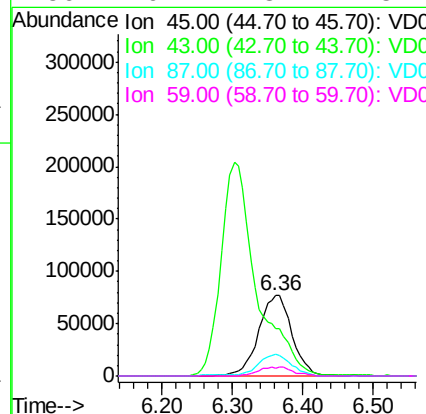
Ion Ratio Lower Upper

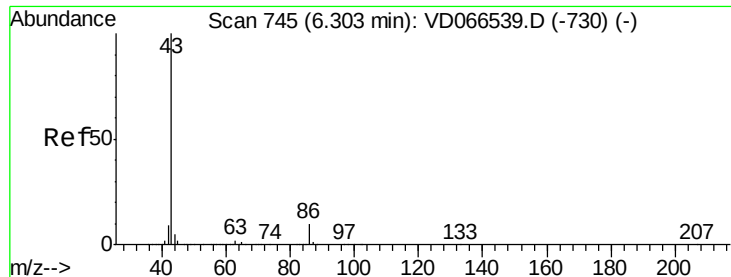
45 100

43 58.1 47.0 70.4

87 26.5 21.3 31.9

59 10.2 8.7 13.1





#23

Vinyl Acetate

Concen: 104.319 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 43 Resp: 713381

Ion Ratio Lower Upper

43 100

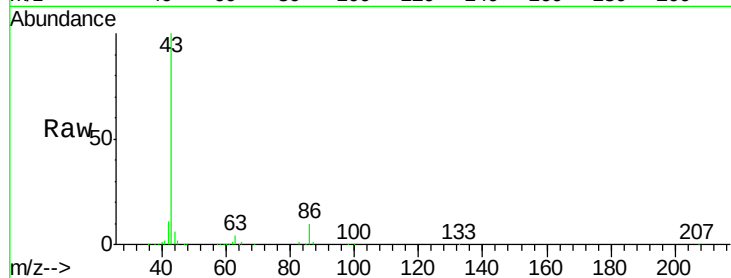
86 10.4 7.7 11.5

Manual Integrations

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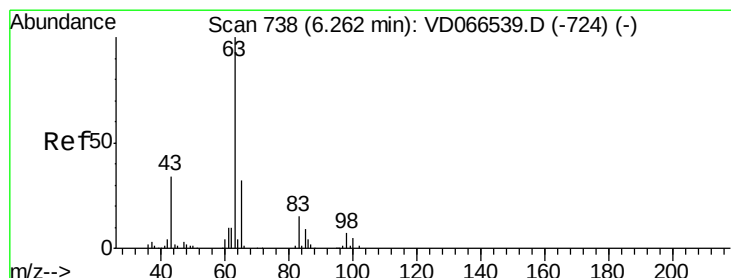
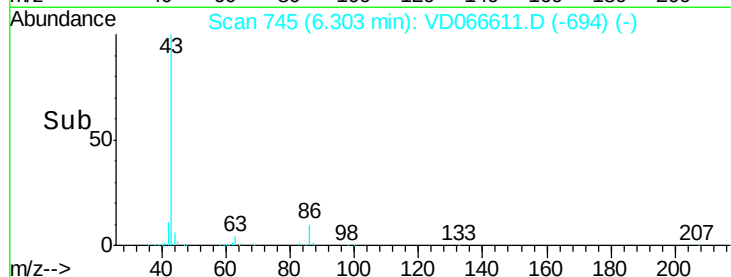
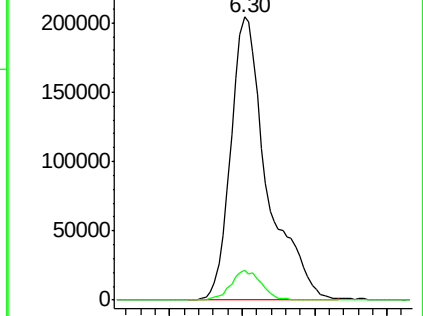
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.389 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

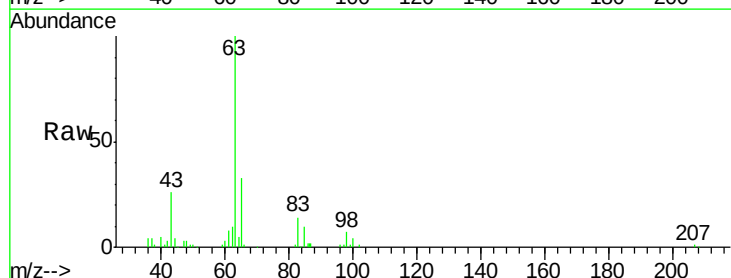
Tgt Ion: 63 Resp: 154076

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

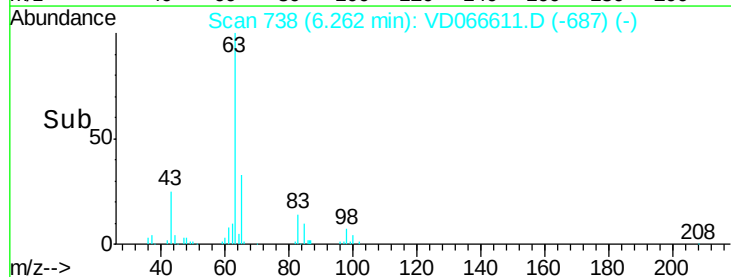
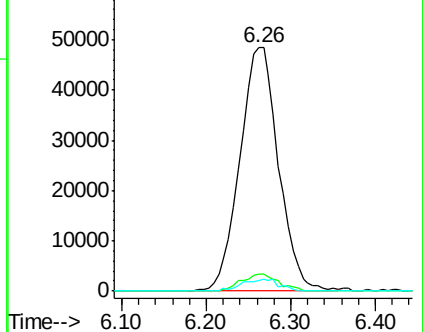
100 4.5 2.5 7.4

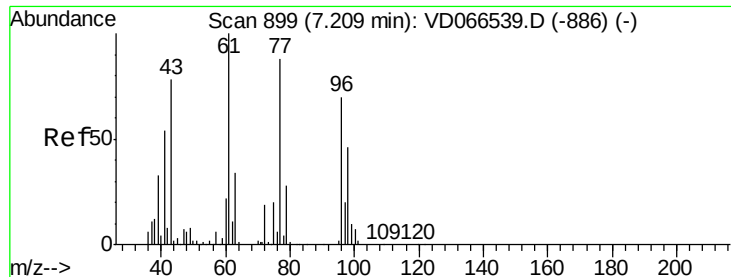


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





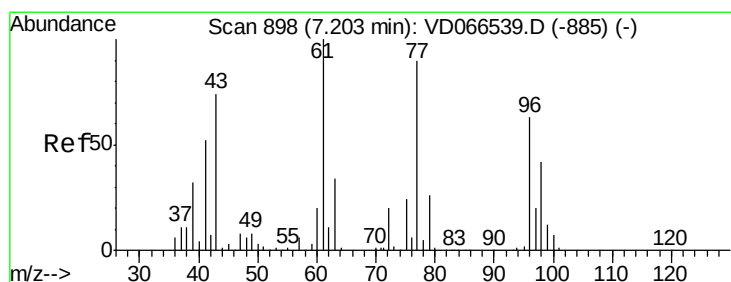
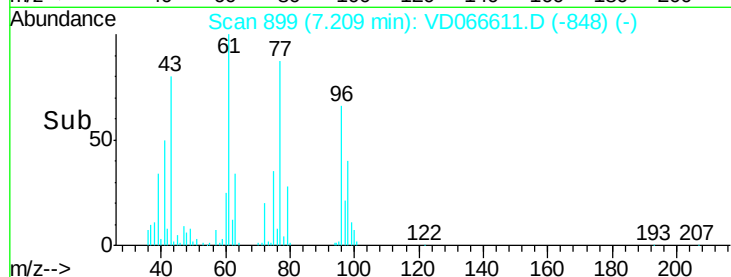
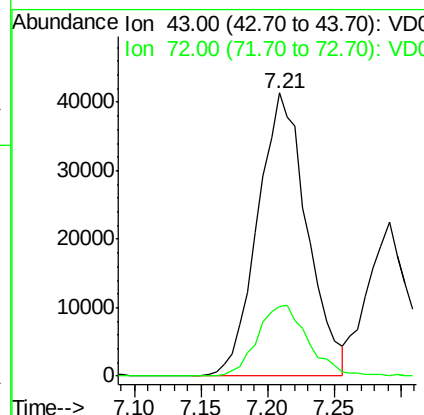
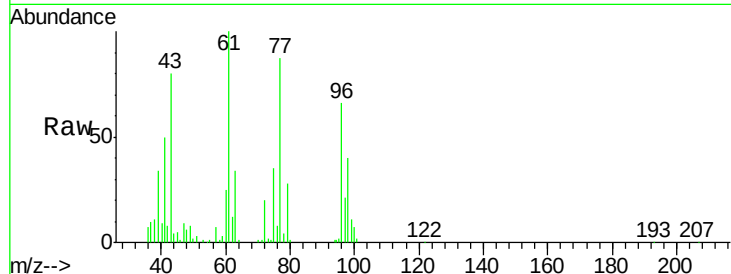
#25
2-Butanone
Concen: 100.503 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 43 Resp: 106293
Ion Ratio Lower Upper
43 100
72 24.7 19.8 29.6

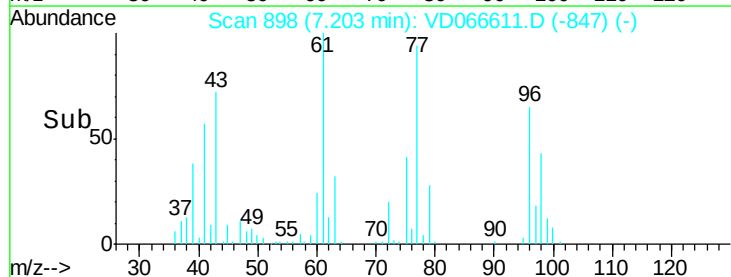
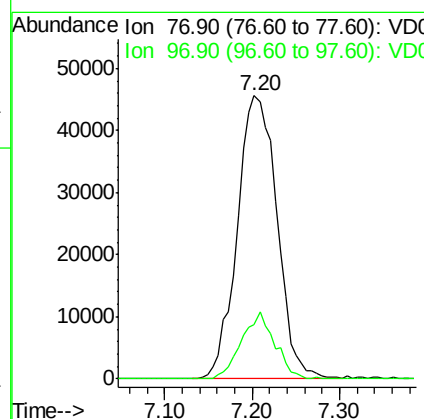
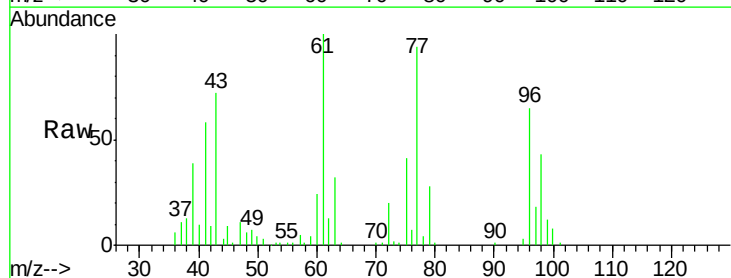
Manual Integrations
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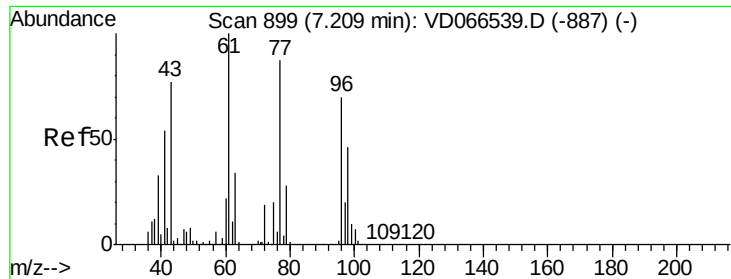
MMDadoda
9/11/2020 10:17:57 AM



#26
2,2-Dichloropropane
Concen: 20.281 ug/l
RT: 7.20 min Scan# 898
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion: 77 Resp: 140586
Ion Ratio Lower Upper
77 100
97 19.8 10.8 32.3





#27

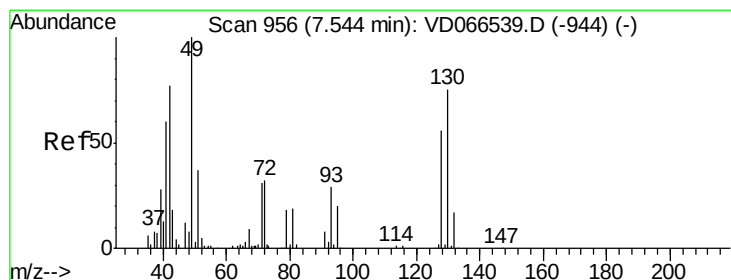
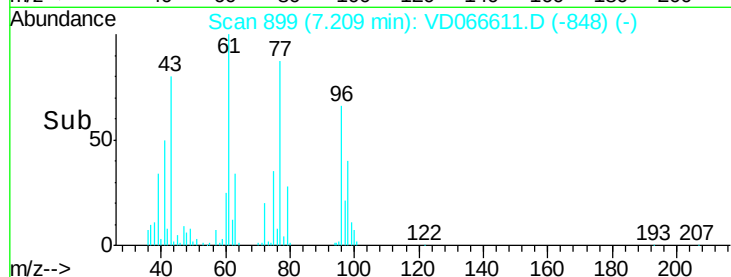
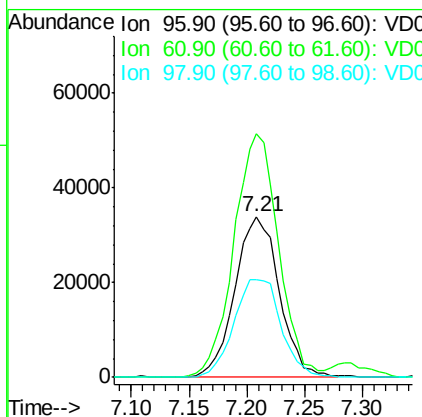
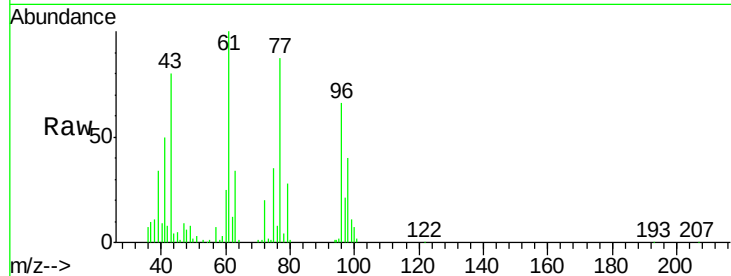
cis-1,2-Dichloroethene
 Concen: 19.921 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	301.0
98	65.0	0.0	129.8

Manual Integrations
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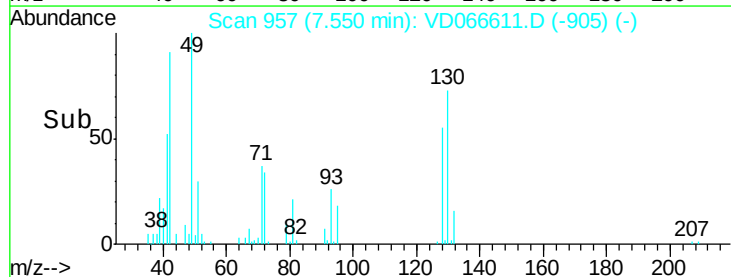
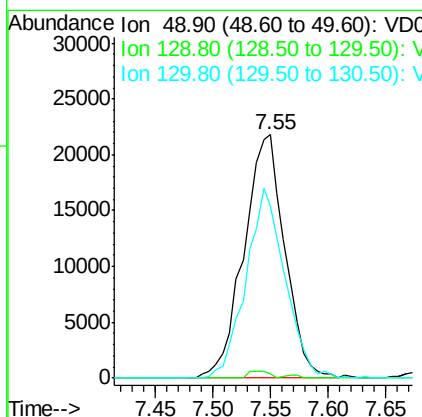
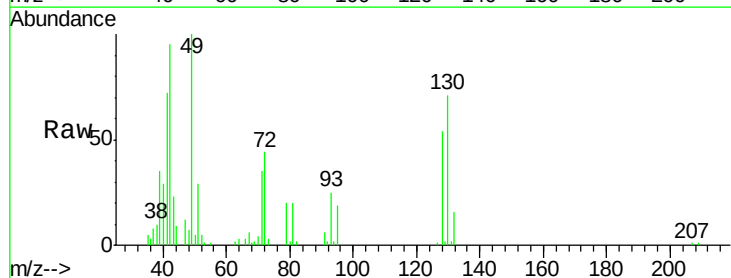
MMDadoda
 9/11/2020 10:17:57 AM

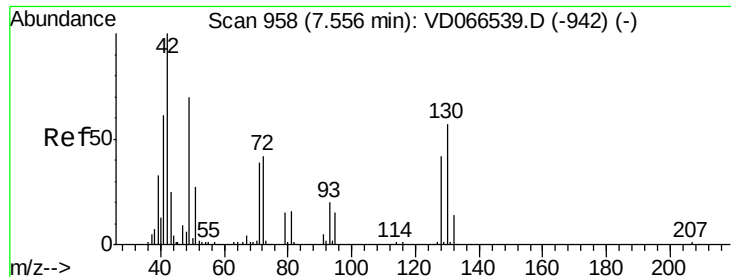


#28

Bromochloromethane
 Concen: 18.477 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.6
130	74.6	58.2	87.2





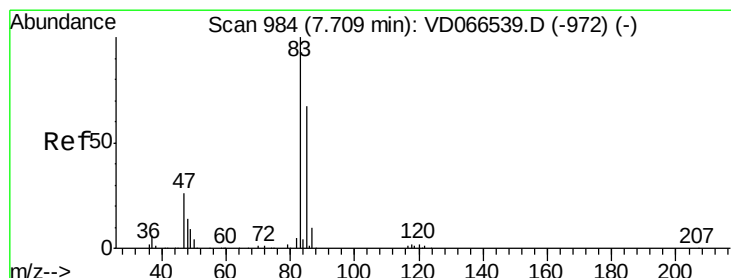
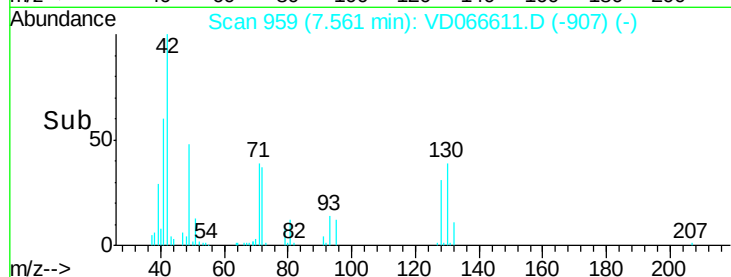
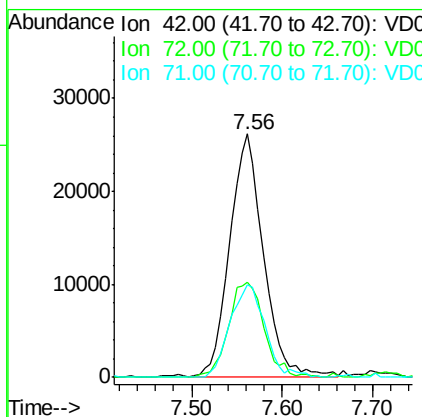
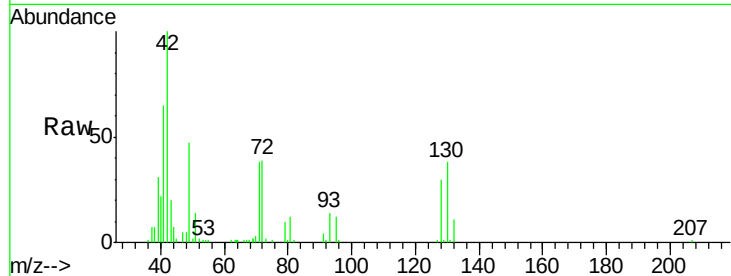
#29
Tetrahydrofuran
Concen: 103.218 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.4	50.0
71	39.3	31.9	47.9

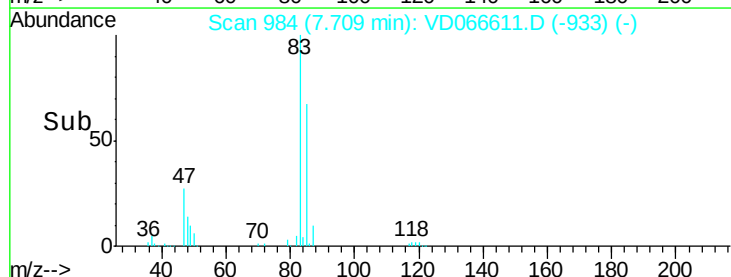
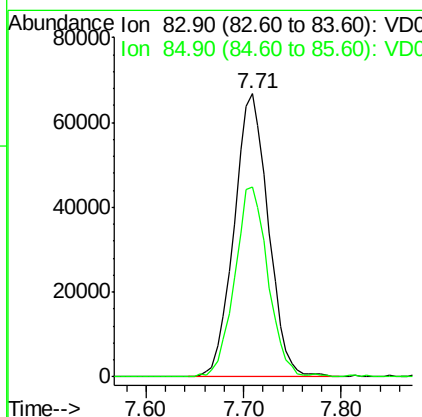
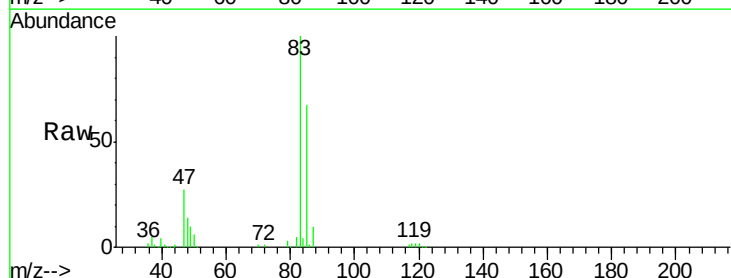
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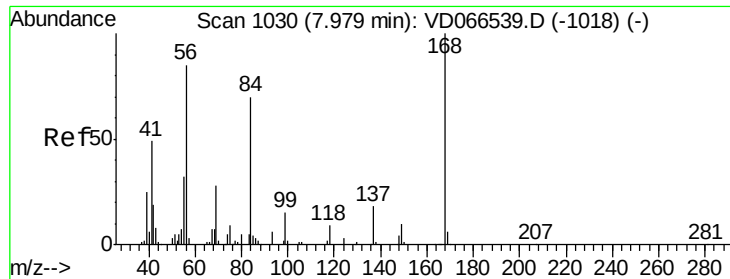
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9/11/2020 10:17:57 AM



#30
Chloroform
Concen: 20.319 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.6	80.4





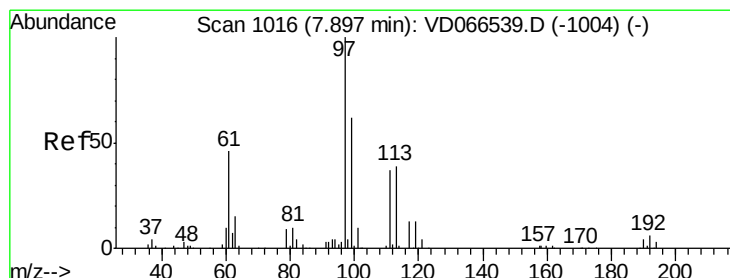
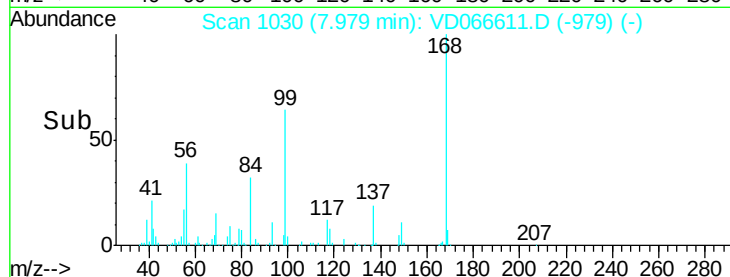
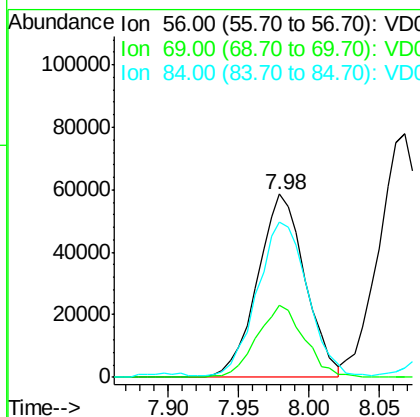
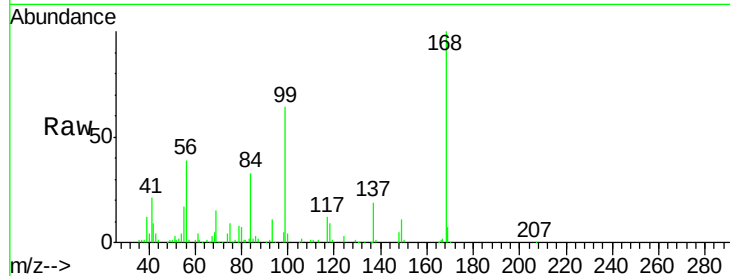
#31
Cyclohexane
Concen: 19.756 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	26.3	39.5
84	83.8	66.1	99.1

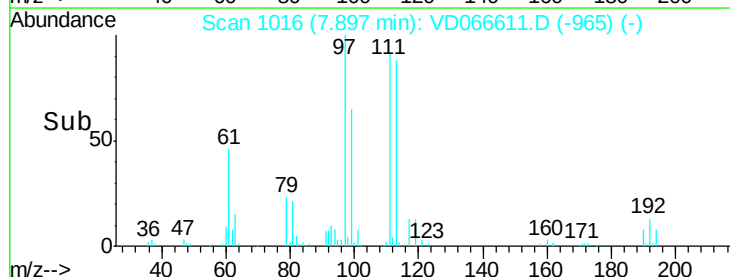
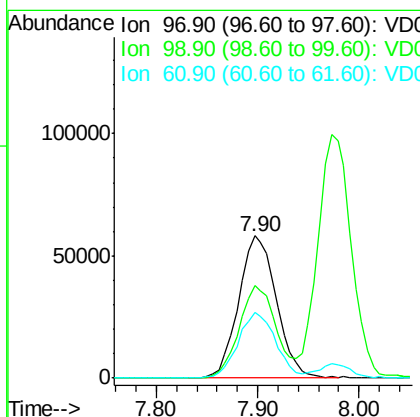
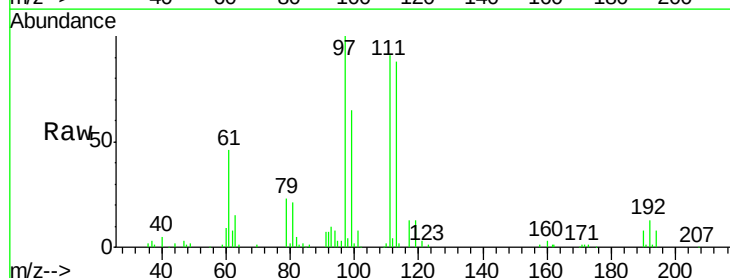
Manual Integrations
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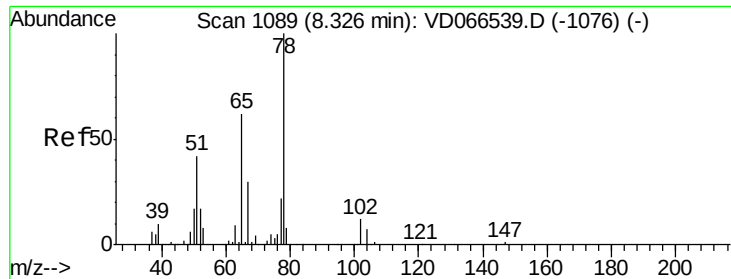
MMDadoda
9/11/2020 10:17:57 AM



#32
1,1,1-Trichloroethane
Concen: 20.038 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	46.0	37.4	56.0





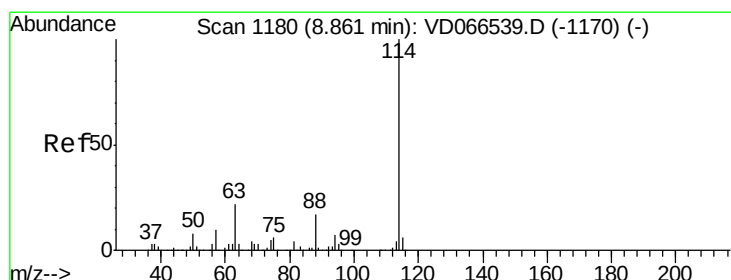
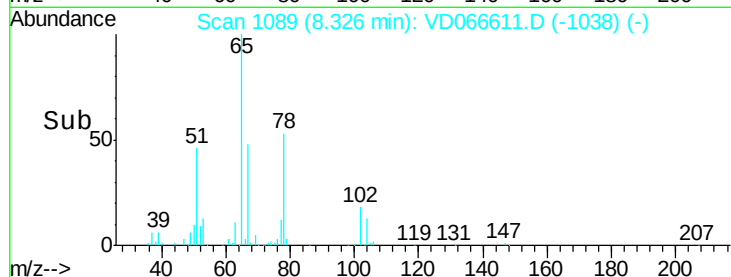
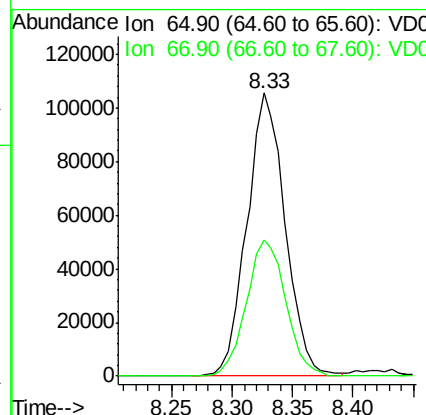
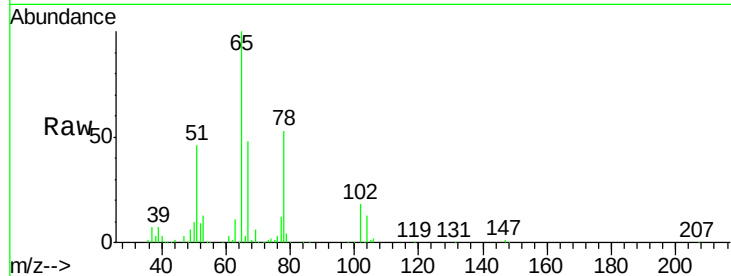
#33
 1,2-Dichloroethane-d4
 Concen: 54.398 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	232929		
67	49.7	0.0	102.8	

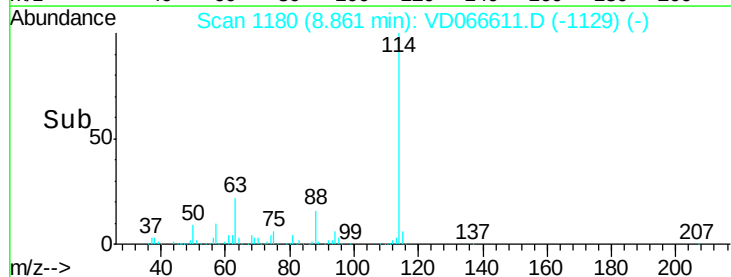
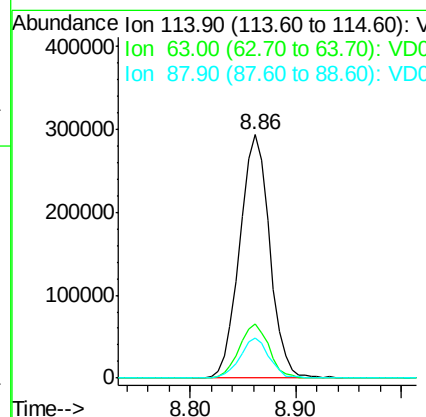
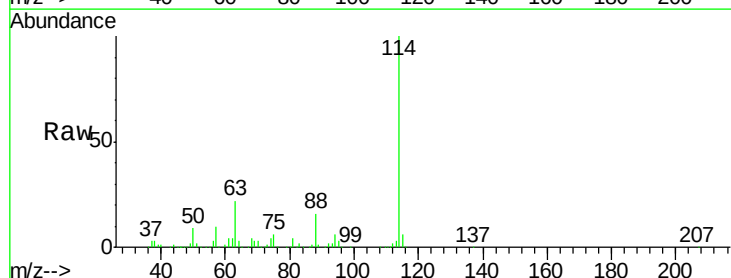
Manual Integrations
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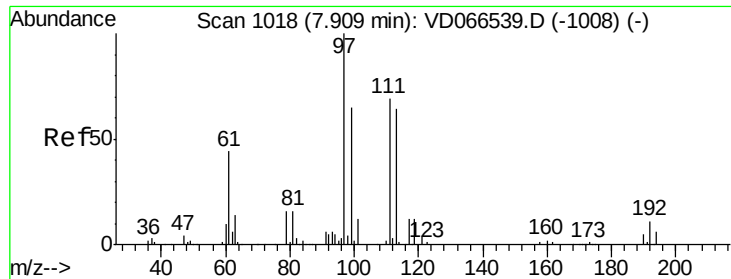
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	577288		
63	22.1	0.0	43.2	
88	16.3	0.0	33.2	





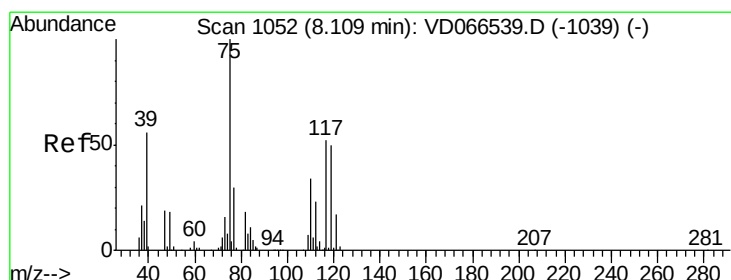
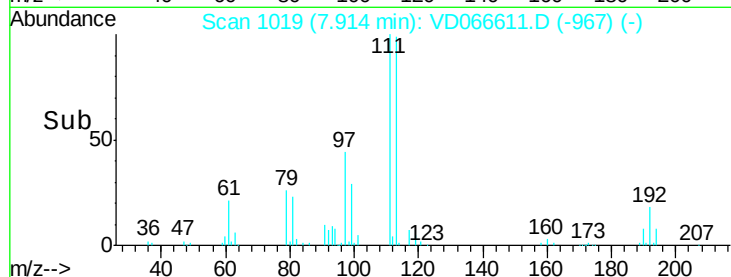
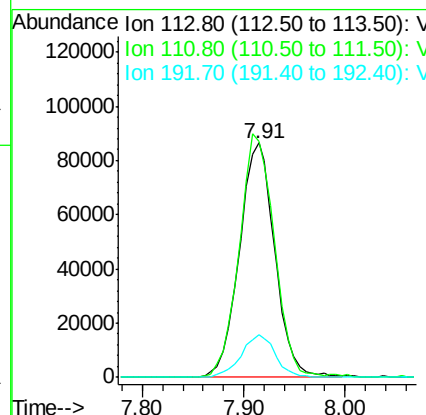
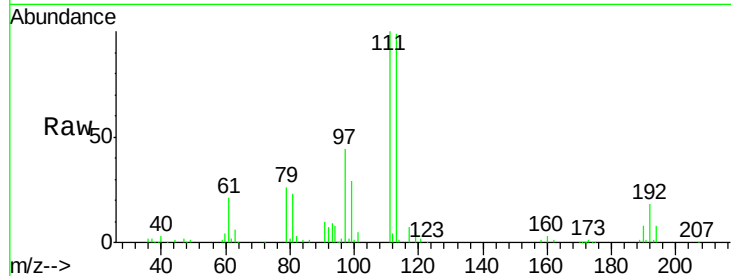
#35
 Dibromofluoromethane
 Concen: 53.816 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209582		
111	103.4	83.2	124.8	
192	17.4	13.7	20.5	

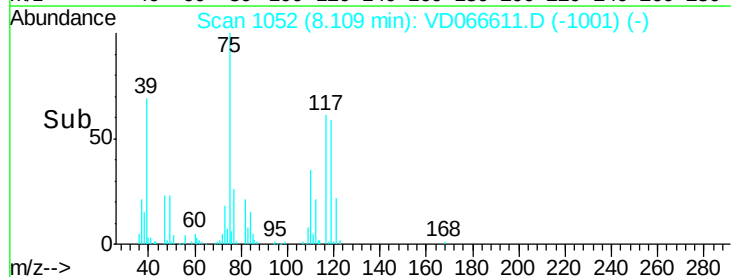
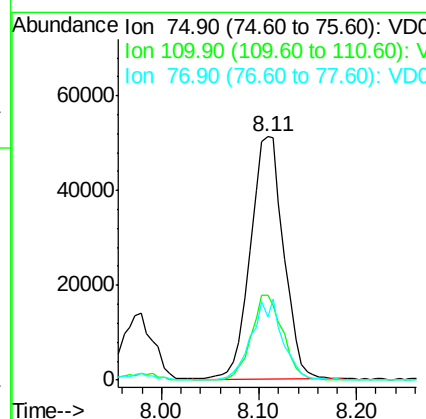
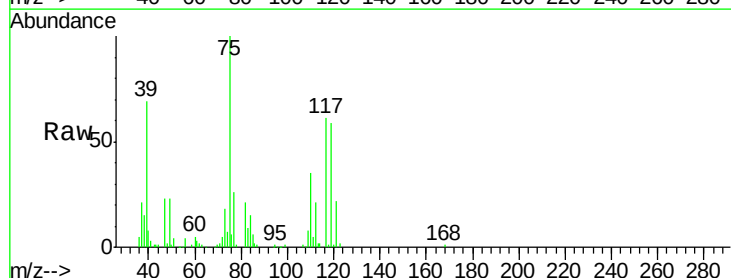
Manual Integrations
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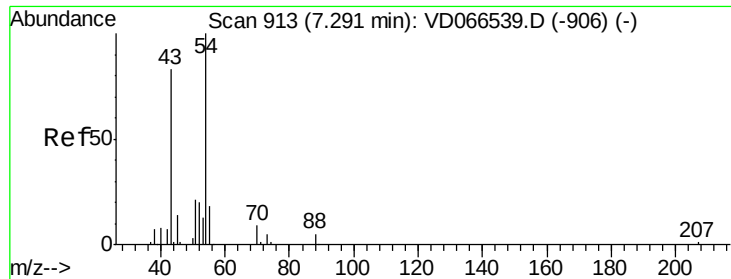
MMDadoda
 9/11/2020 10:17:57 AM



#36
 1,1-Dichloropropene
 Concen: 20.476 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123018		
110	33.1	17.3	52.0	
77	31.3	25.1	37.7	





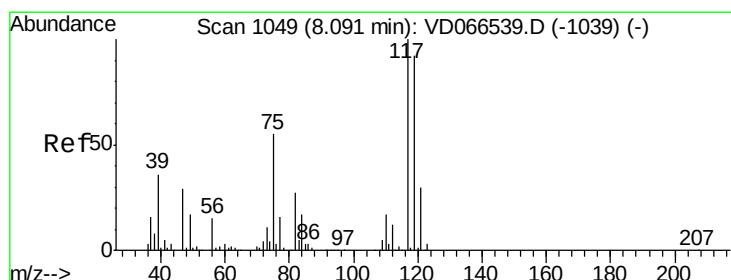
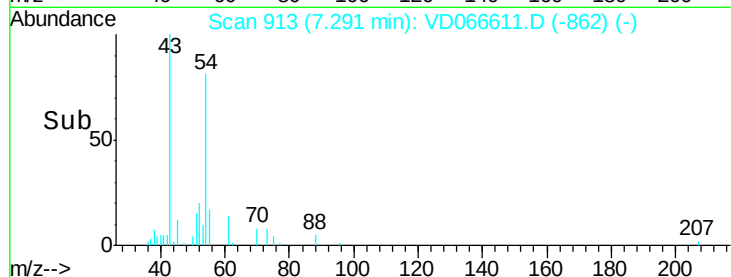
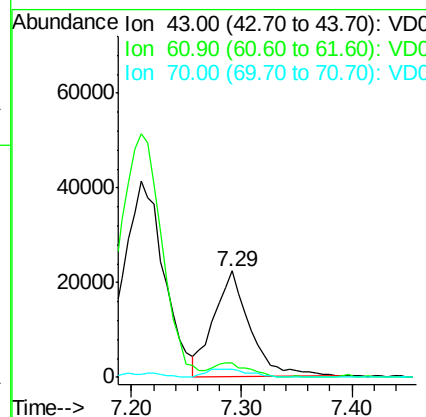
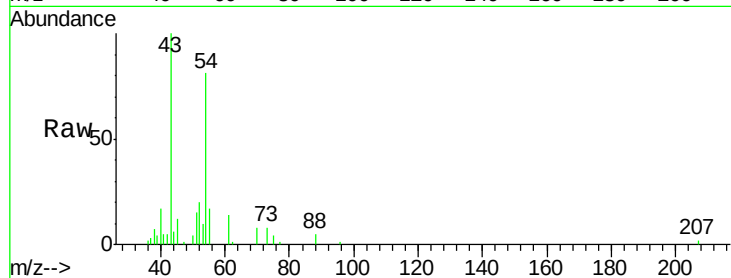
#37
Ethyl Acetate
Concen: 21.224 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.8	17.8
70	9.2	7.9	11.9

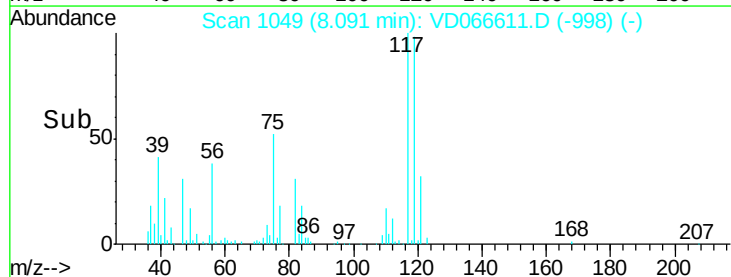
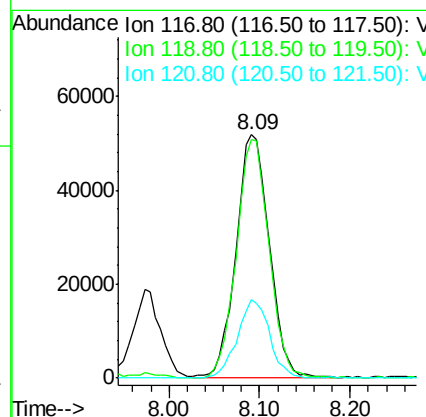
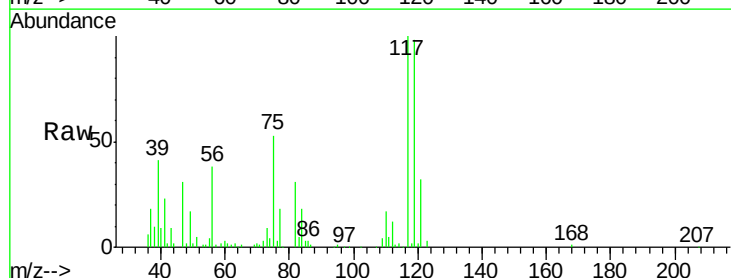
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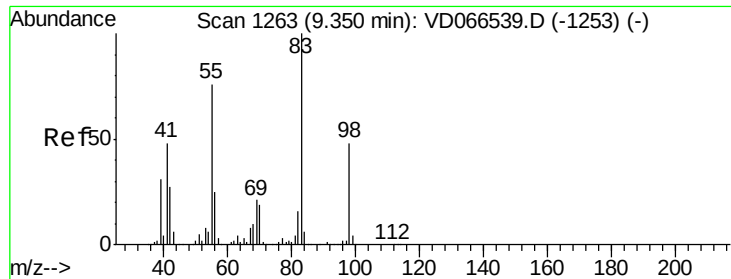
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.689 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	73.9	110.9
121	32.2	24.1	36.1





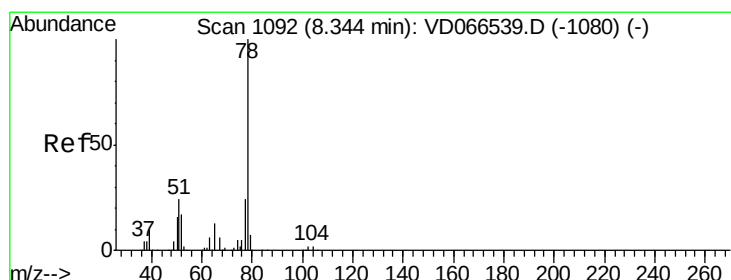
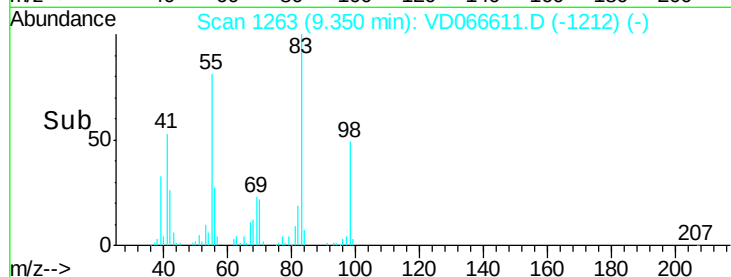
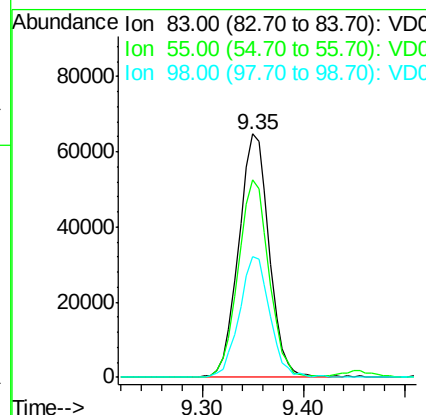
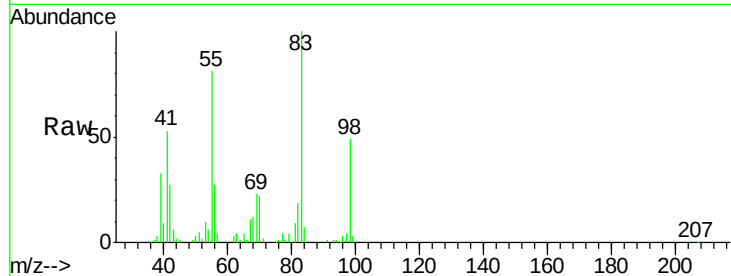
#39
Methylvlcyclohexane
Concen: 20.110 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.1	60.8	91.2	
98	49.4	38.6	58.0	

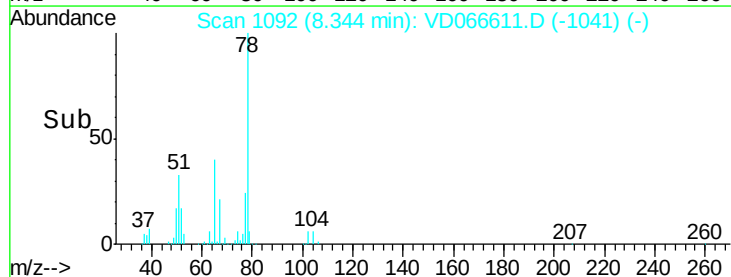
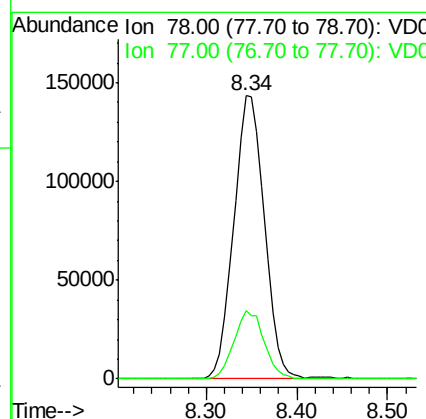
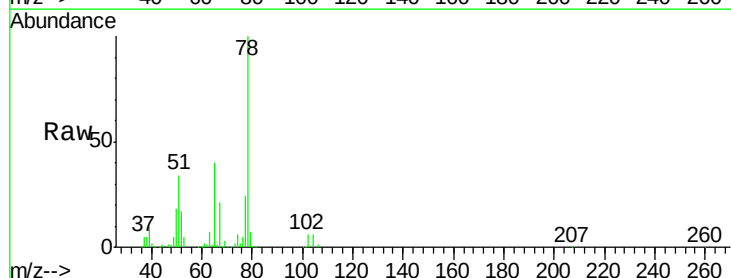
Manual Integrations
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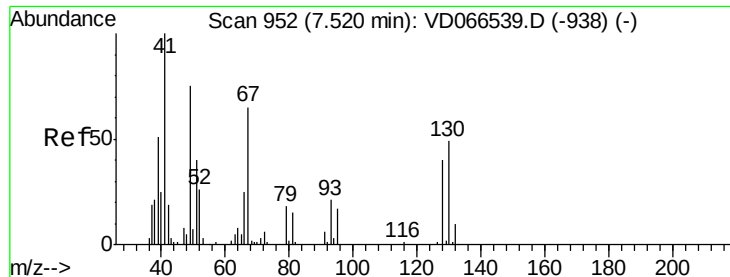
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#40
Benzene
Concen: 20.579 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.1	28.7	





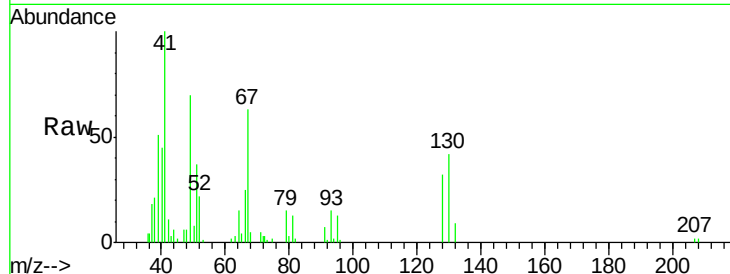
#41
Methacrylonitrile
Concen: 22.188 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

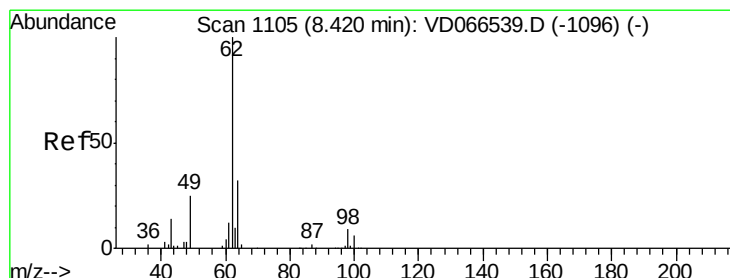
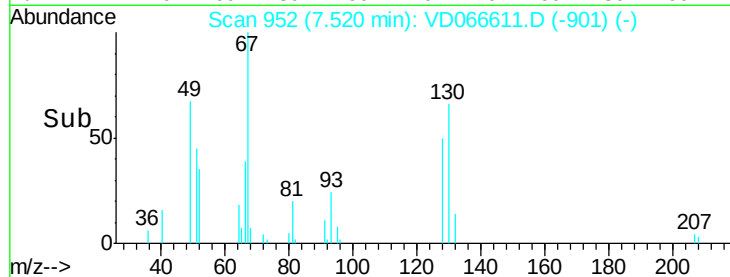
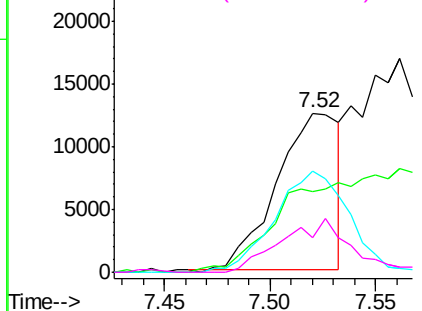
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.6	80.4#
67	75.7	59.2	88.8
52	38.9	26.8	40.2

Manual Integrations
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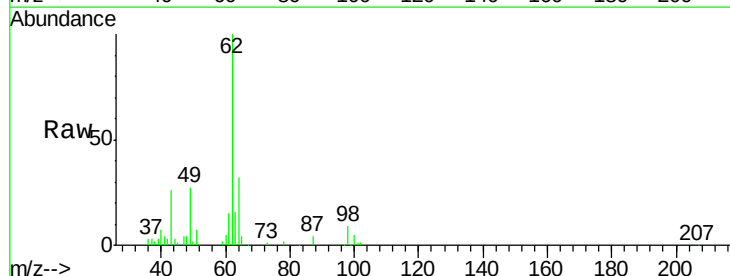


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

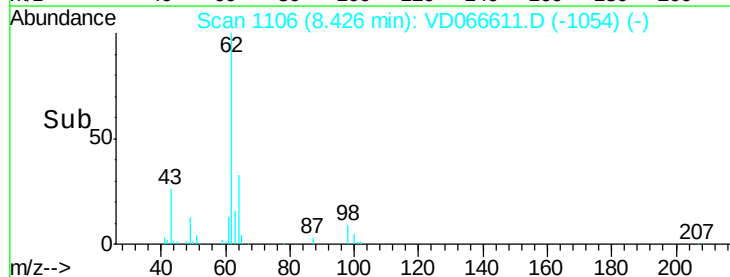
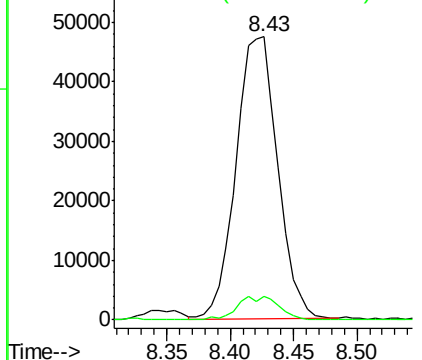


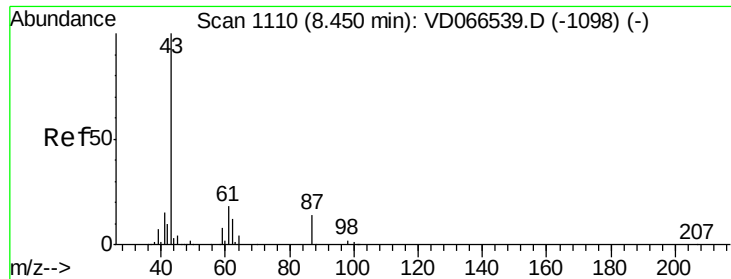
#42
1,2-Dichloroethane
Concen: 20.361 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.421 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

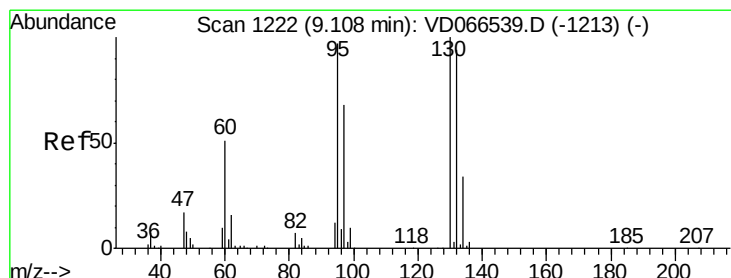
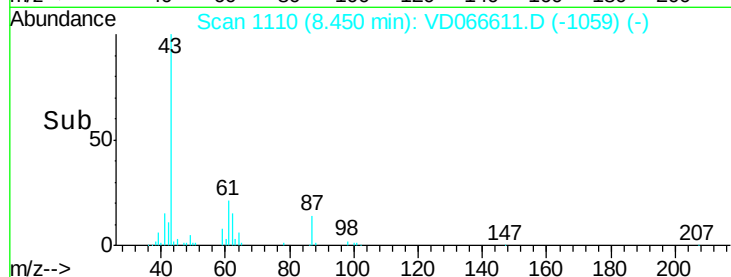
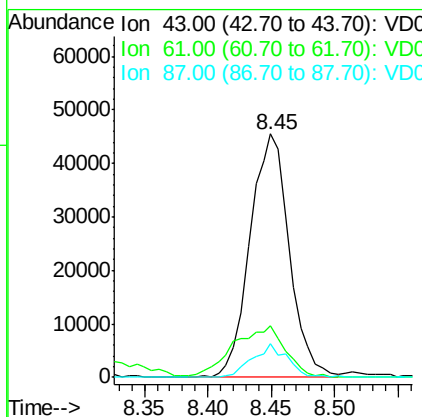
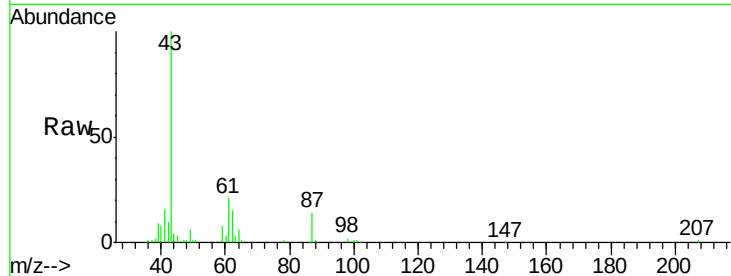
ClientSampleId :

VD0910SBS01

Tot Ion:	43	Resp:	98206
Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.8	35.8
87	12.4	10.7	16.1

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#44

Trichloroethene

Concen: 20.577 ug/l

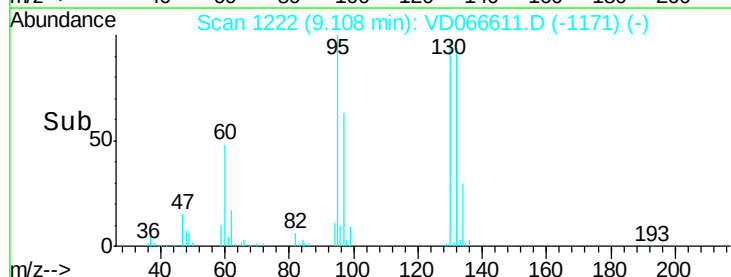
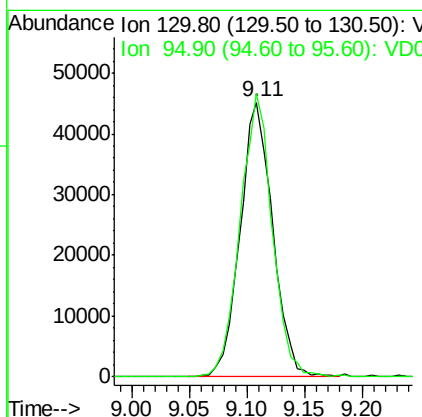
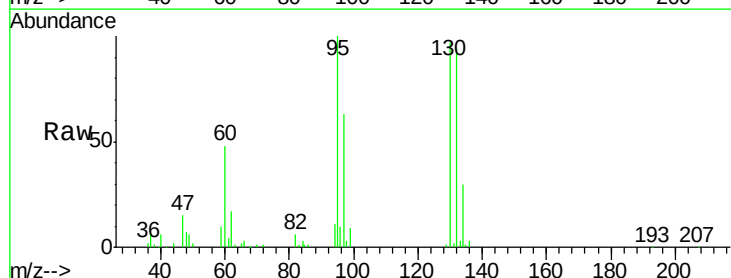
RT: 9.11 min Scan# 1222

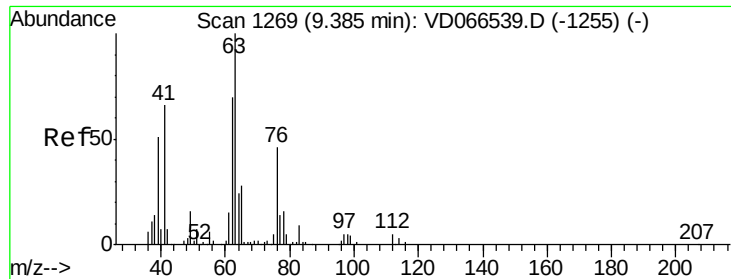
Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Tgt Ion:	130	Resp:	88811
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	194.4





#45

1,2-Dichloropropane

Concen: 20.314 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 63 Resp: 84056

Ion Ratio Lower Upper

63 100

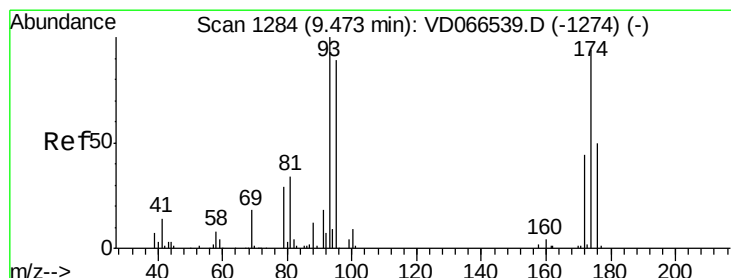
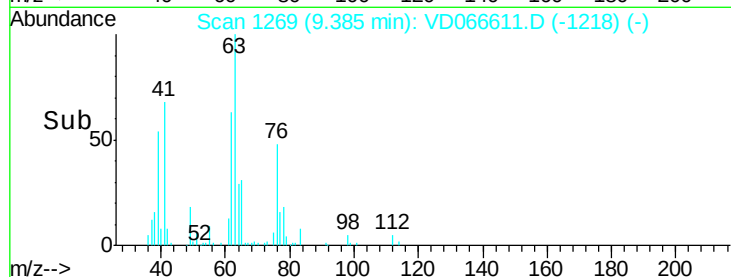
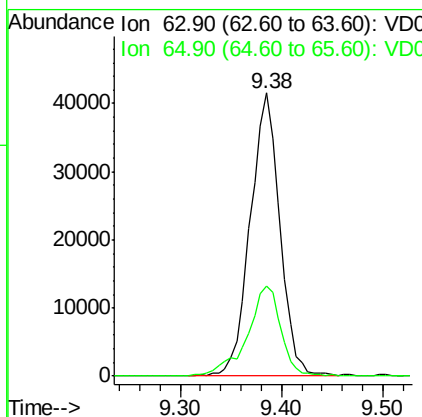
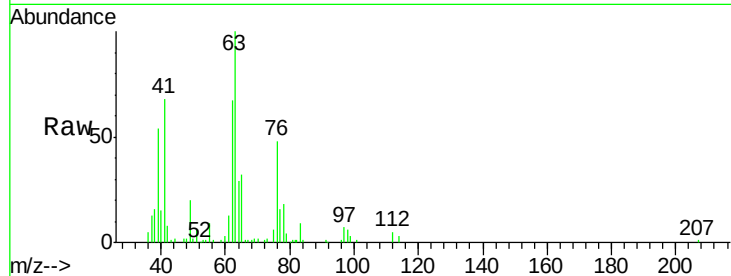
65 31.7 22.6 34.0

Manual Integrations

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MMDadoda

9/11/2020 10:17:57 AM



#46

Dibromomethane

Concen: 20.276 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

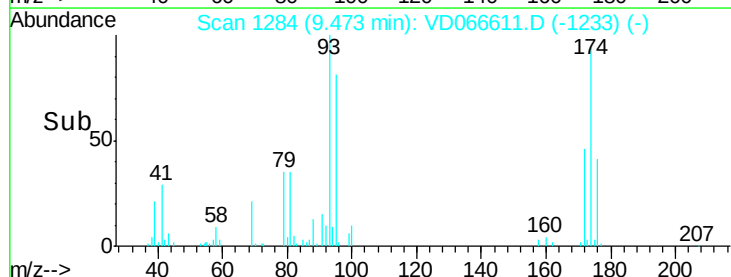
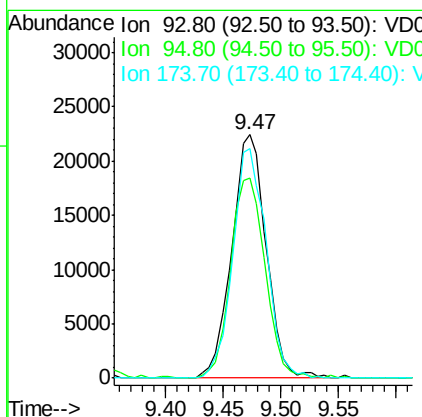
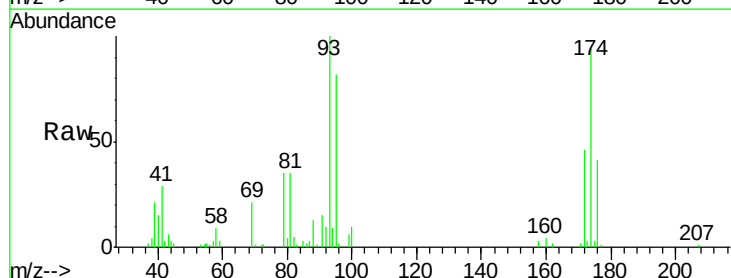
Tgt Ion: 93 Resp: 46288

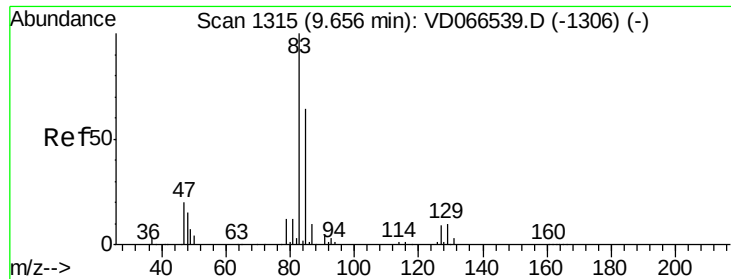
Ion Ratio Lower Upper

93 100

95 82.4 68.7 103.1

174 91.8 70.0 105.0





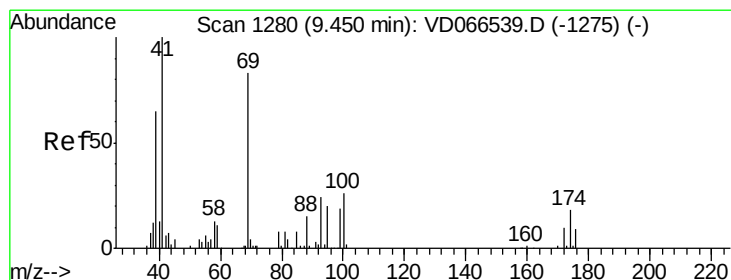
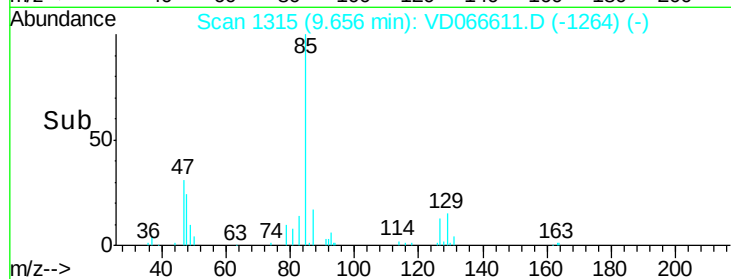
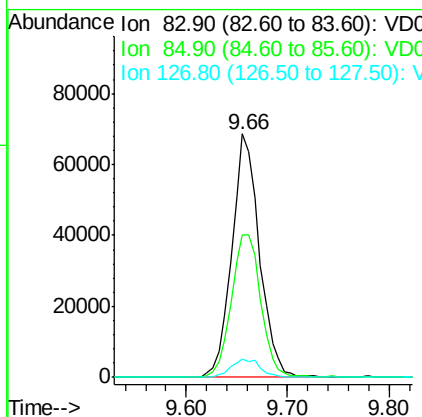
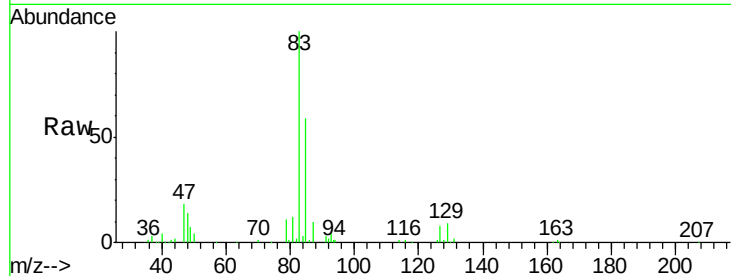
#47
Bromodichloromethane
Concen: 20.943 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129355		
85	58.7		51.1	76.7
127	7.5		6.9	10.3

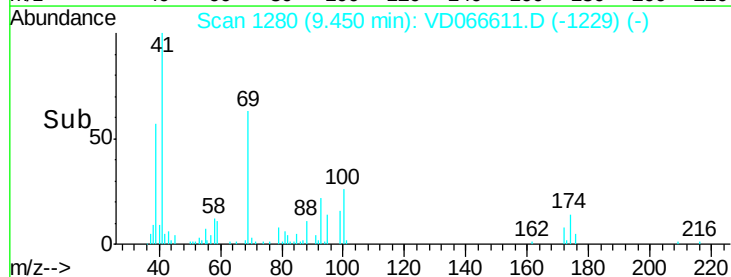
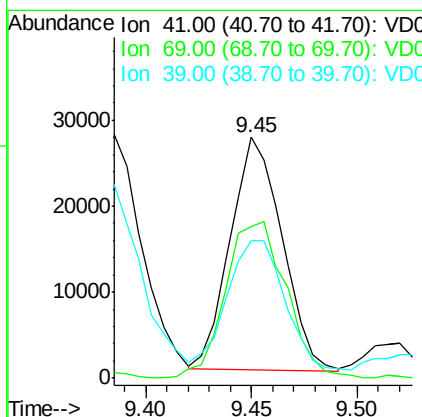
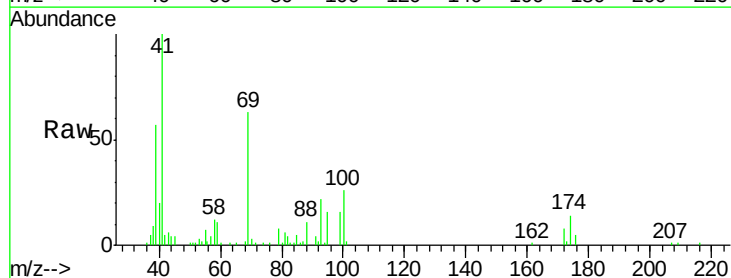
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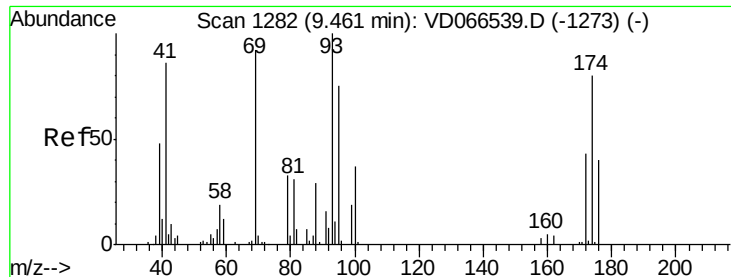
MMDadoda
9/11/2020 10:17:57 AM



#48
Methyl methacrylate
Concen: 19.856 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	46031		
69	79.0		64.5	96.7
39	62.6		46.6	69.8





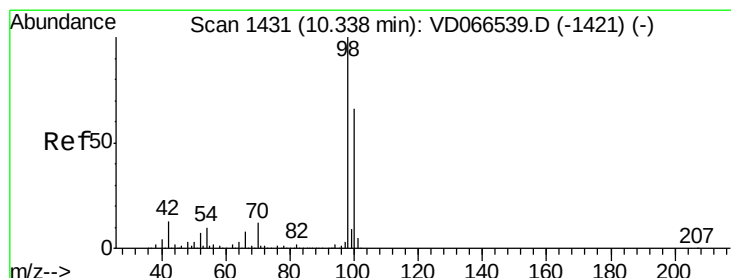
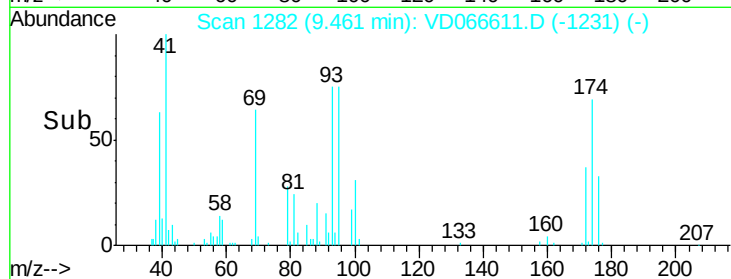
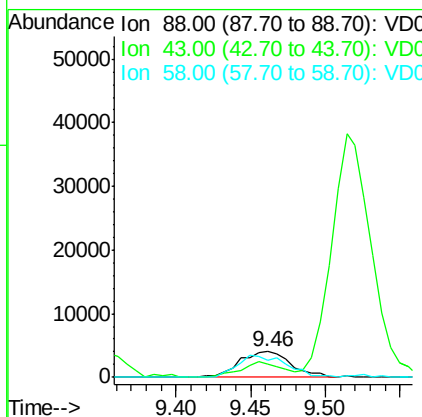
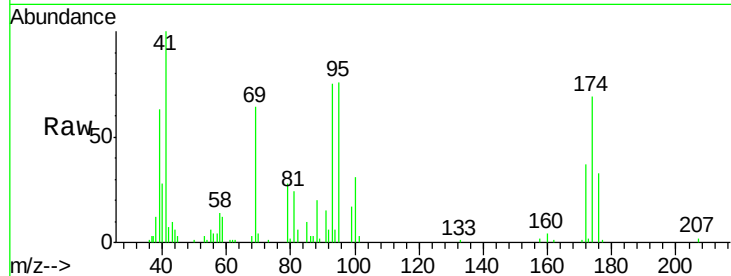
#49
1,4-Dioxane
Concen: 386.657 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	88	Resp	9684
Ion Ratio	100	Lower	Upper
88	100		
43	47.6	28.3	42.5#
58	82.4	56.1	84.1

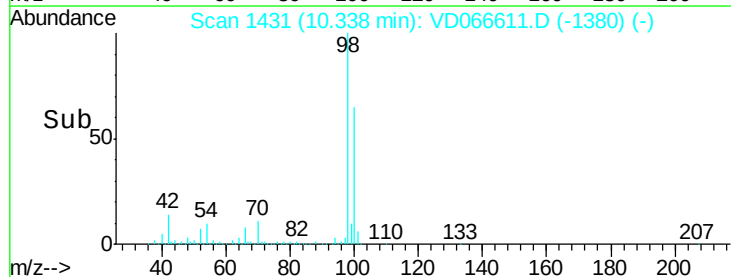
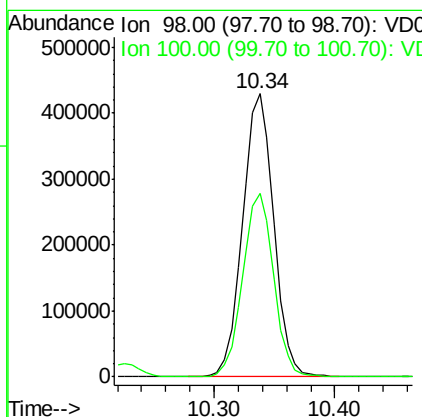
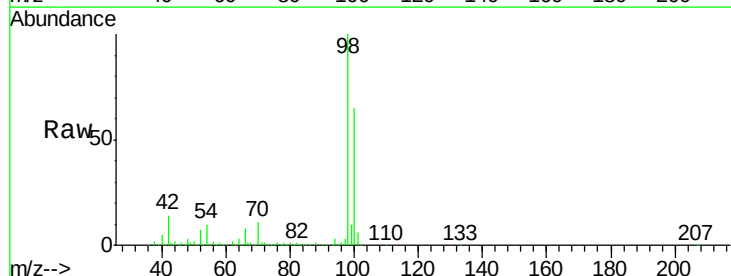
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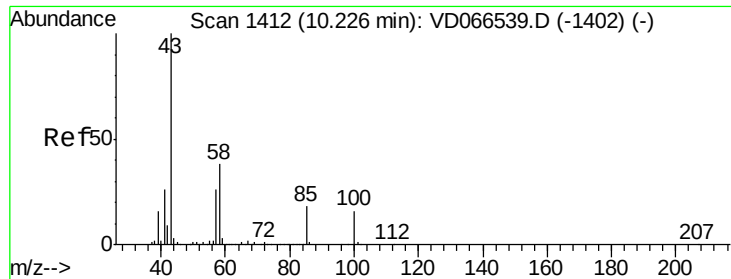
MMDadoda
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#50
Toluene-d8
Concen: 55.717 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	98	Resp	775547
Ion Ratio	100	Lower	Upper
98	100		
100	64.4	52.9	79.3





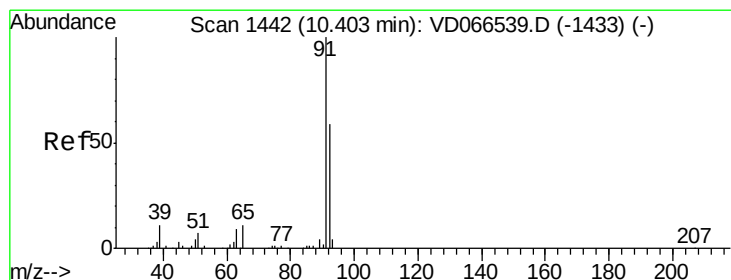
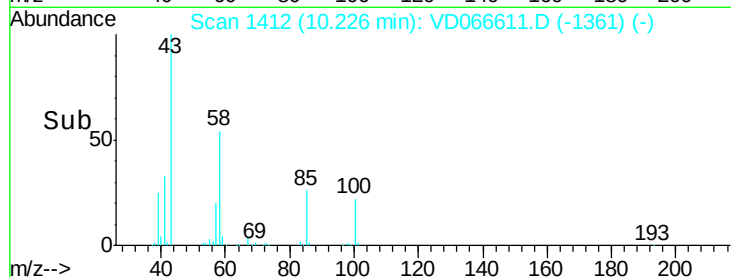
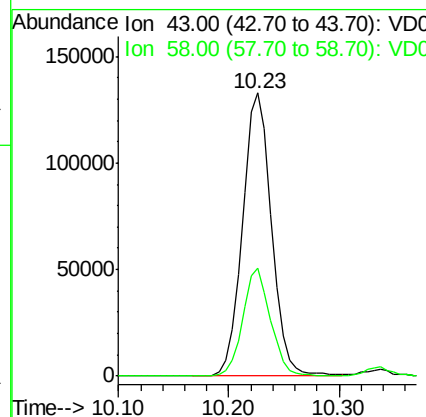
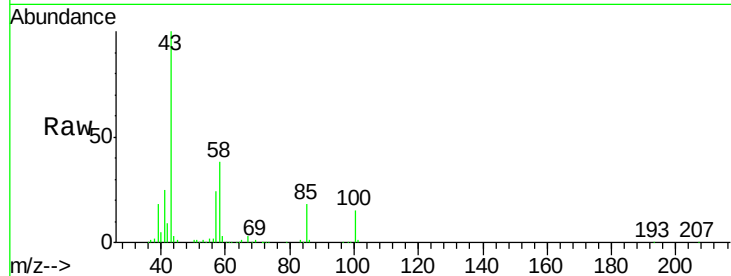
#51
 4-Methyl-2-Pentanone
 Concen: 106.161 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	30.5	45.7

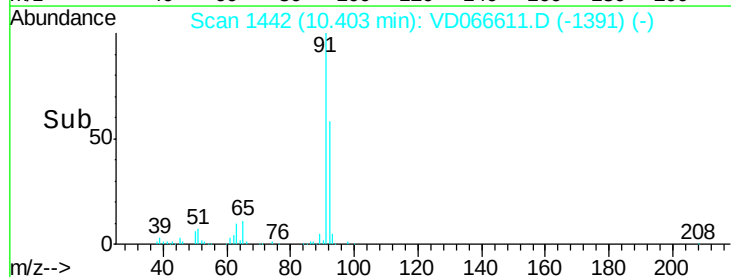
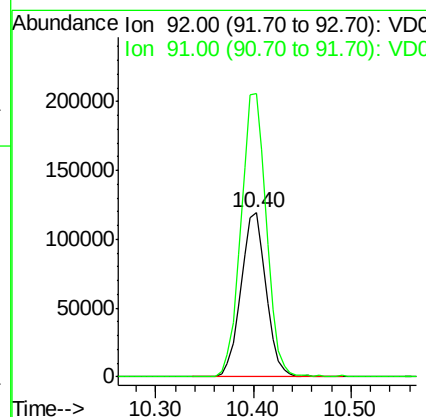
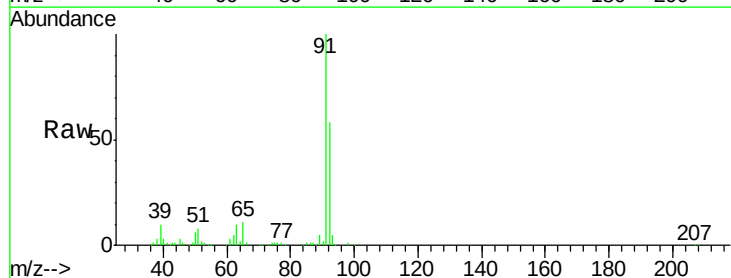
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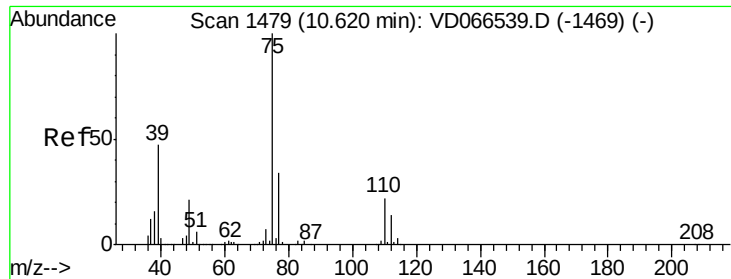
MMDadoda
 9/11/2020 10:17:57 AM



#52
 Toluene
 Concen: 20.610 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.4	206.2





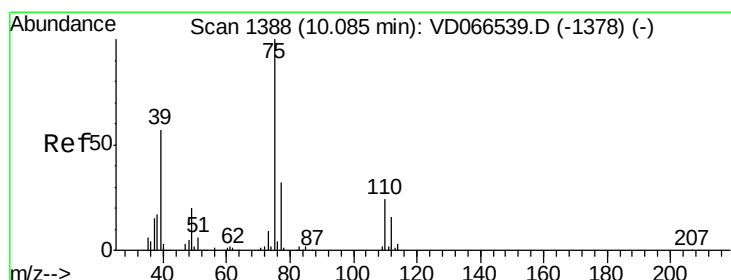
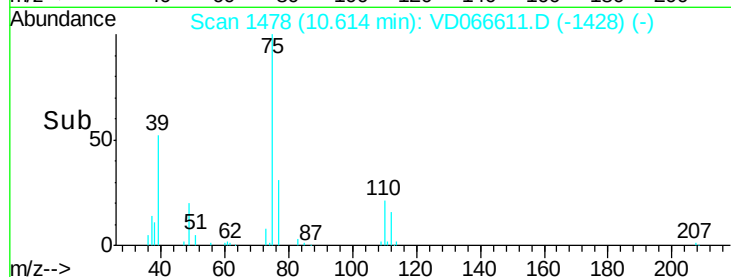
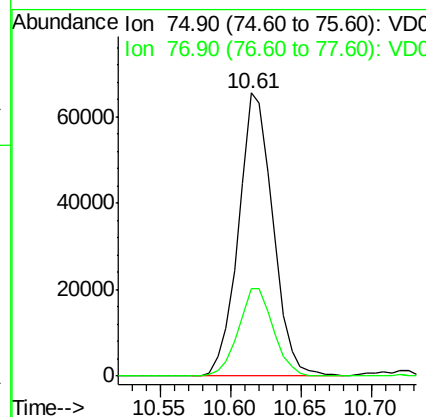
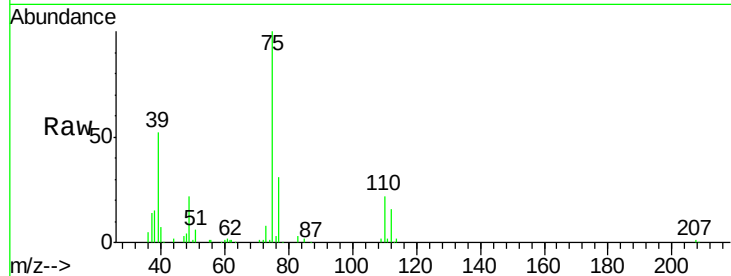
#53
 t-1,3-Dichloropropene
 Concen: 20.524 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 75 Resp: 111908
 Ion Ratio Lower Upper
 75 100
 77 31.1 27.4 41.2

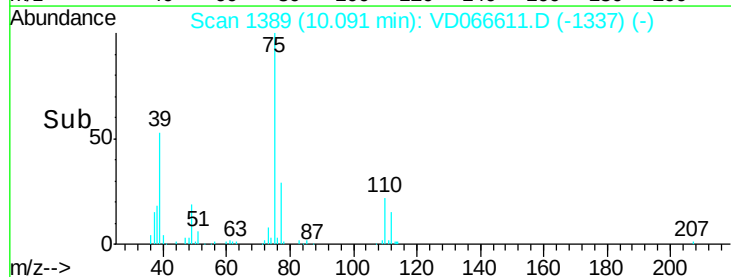
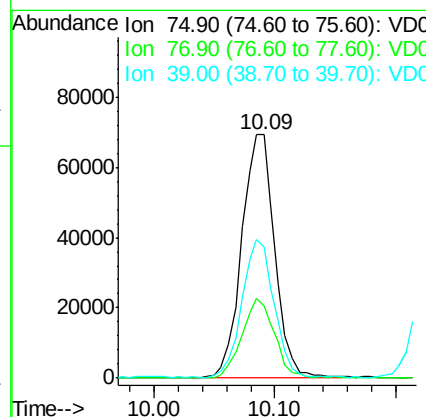
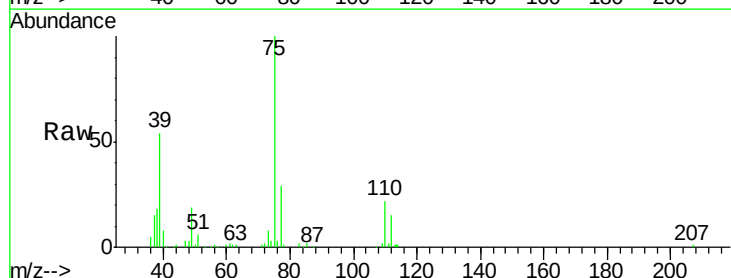
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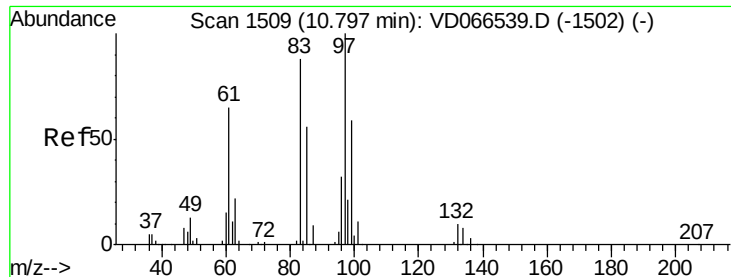
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#54
 cis-1,3-Dichloropropene
 Concen: 20.172 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion: 75 Resp: 132079
 Ion Ratio Lower Upper
 75 100
 77 29.2 25.4 38.0
 39 53.0 45.4 68.0





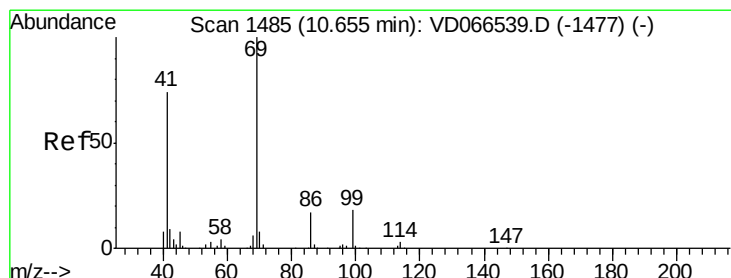
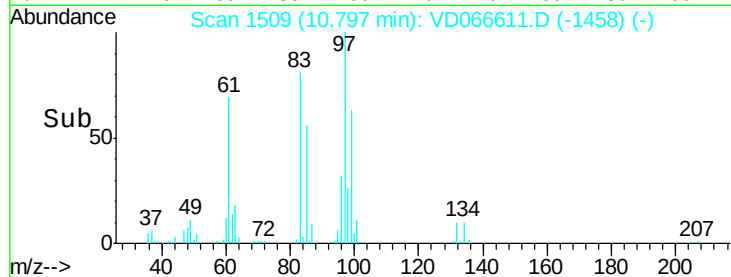
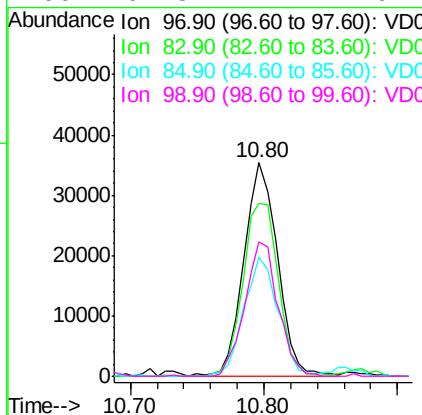
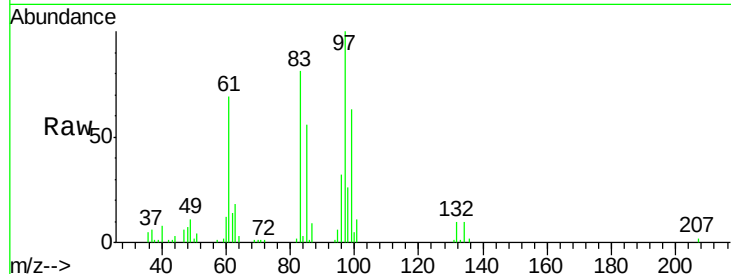
#55
 1,1,2-Trichloroethane
 Concen: 20.999 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion:	97	Resp:	61637
Ion	Ratio	Lower	Upper
97	100		
83	80.8	70.1	105.1
85	55.7	44.5	66.7
99	62.8	47.1	70.7

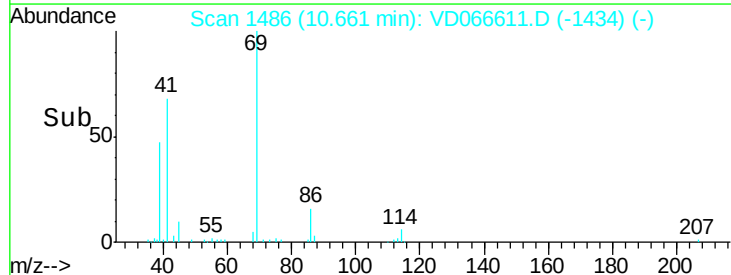
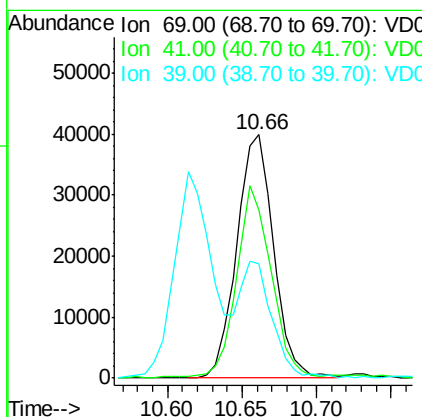
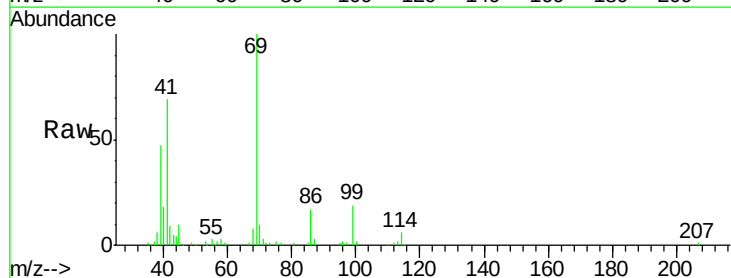
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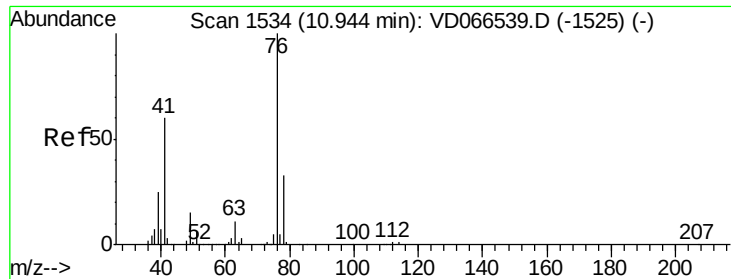
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 9/11/2020 10:17:57 AM



#56
 Ethyl methacrylate
 Concen: 20.040 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion:	69	Resp:	68490
Ion	Ratio	Lower	Upper
69	100		
41	72.8	56.8	85.2
39	41.1	30.6	46.0





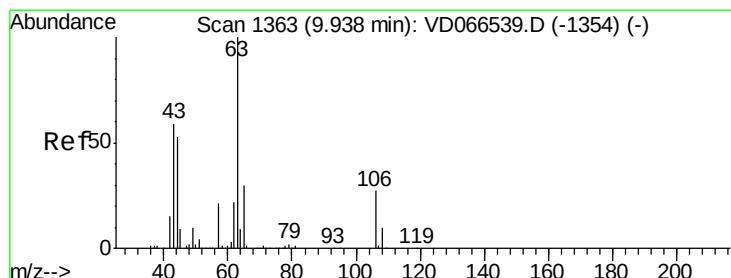
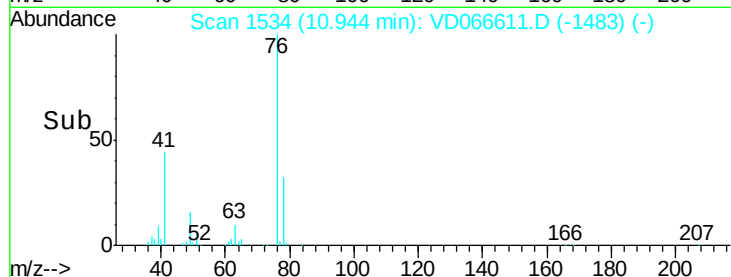
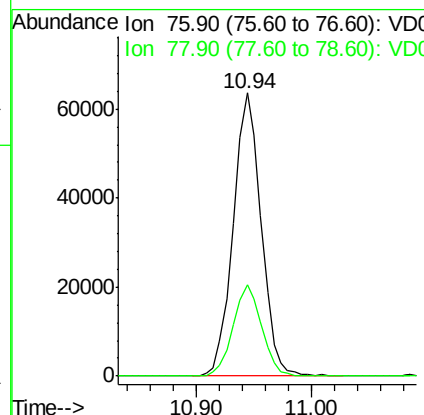
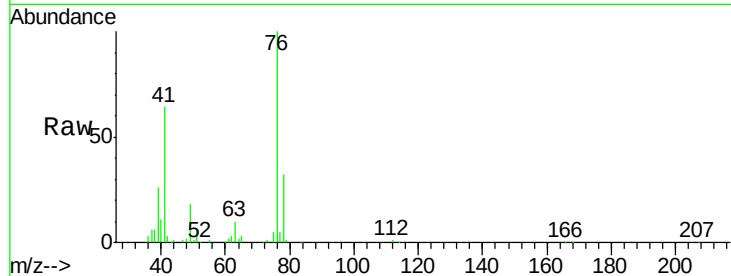
#57
 1,3-Dichloropropane
 Concen: 20.749 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

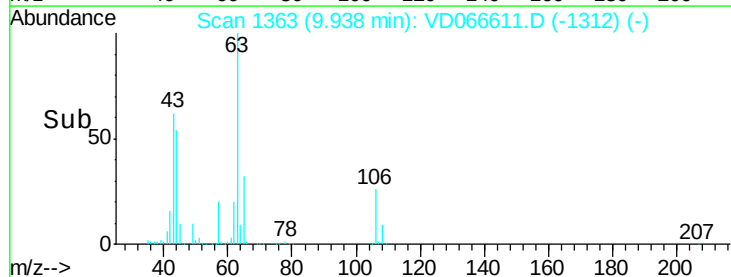
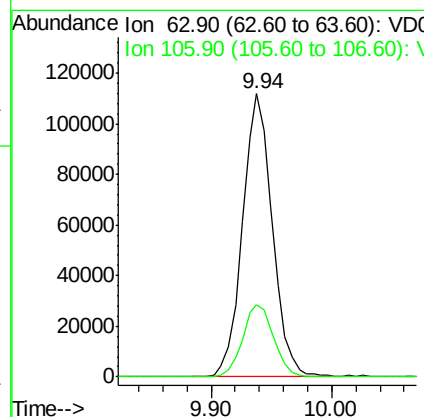
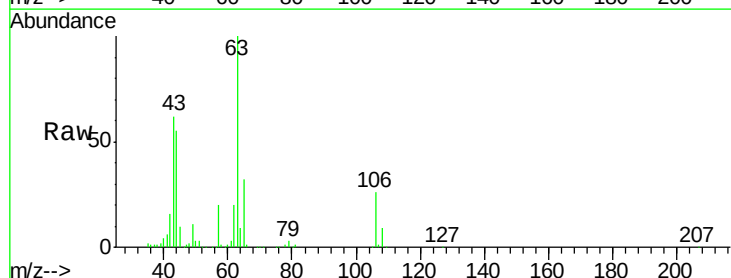
Manual Integrations
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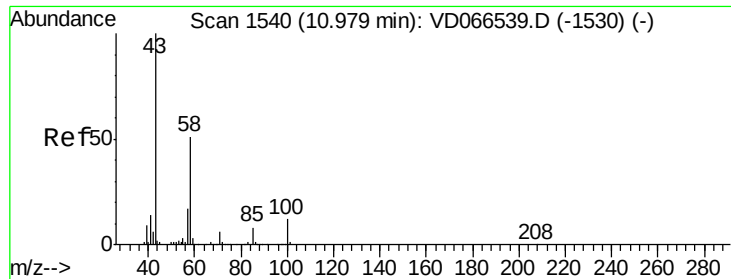
MMDadoda
 9/11/2020 10:17:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.110 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	22.0	33.0





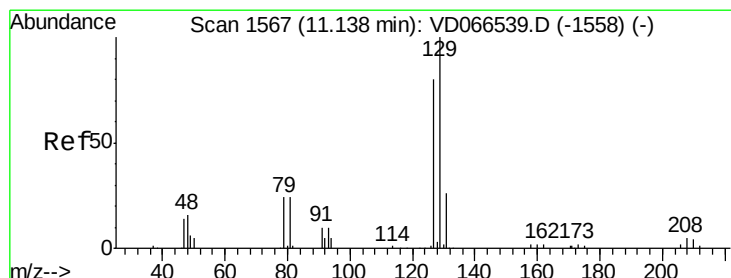
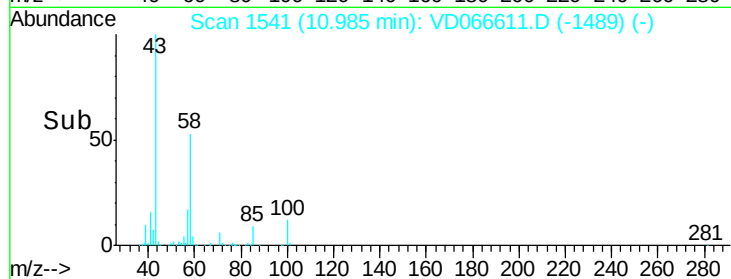
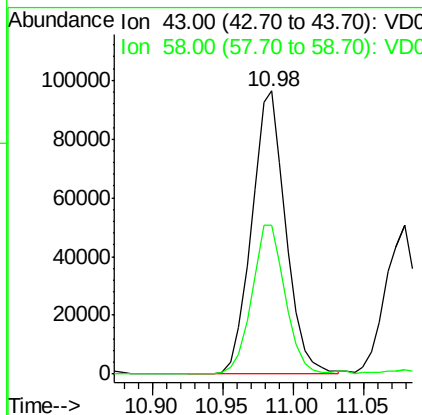
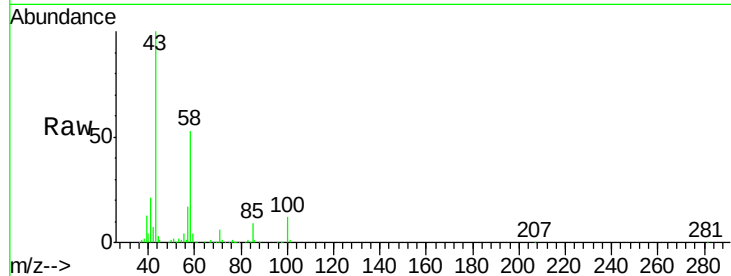
#59
2-Hexanone
Concen: 104.535 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 43 Resp: 162537
Ion Ratio Lower Upper
43 100
58 51.9 25.6 76.8

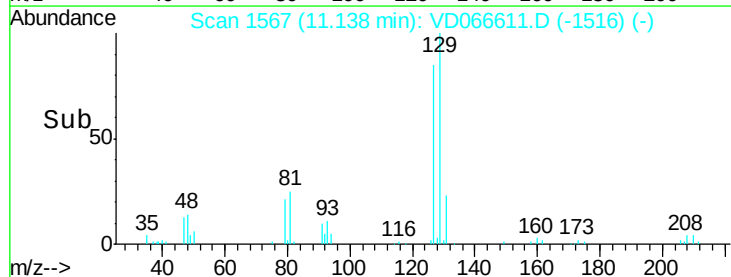
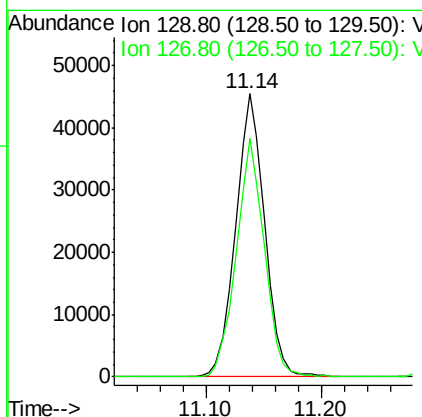
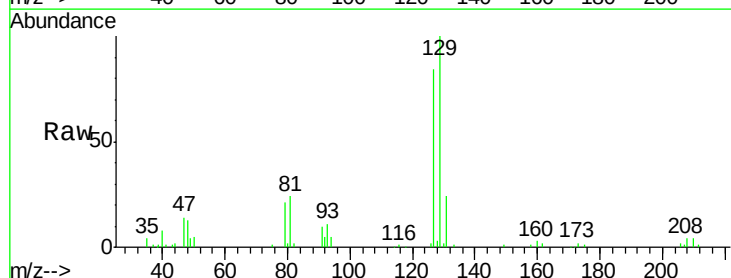
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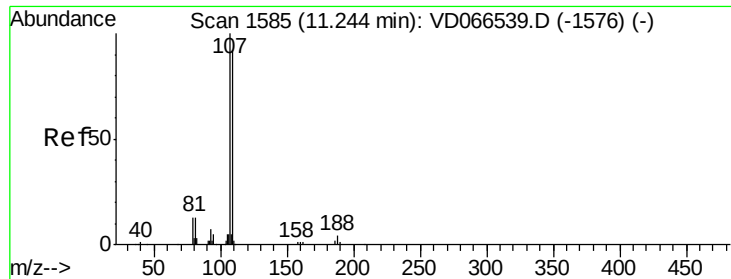
MMDadoda
9/11/2020 10:17:57 AM



#60
Dibromochloromethane
Concen: 20.282 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion: 129 Resp: 78723
Ion Ratio Lower Upper
129 100
127 81.6 39.5 118.3





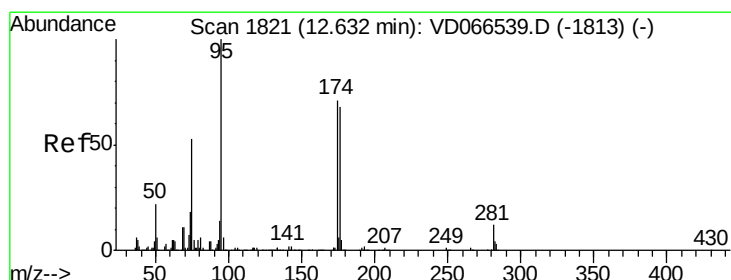
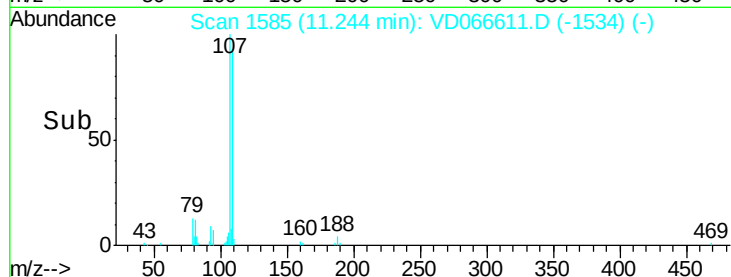
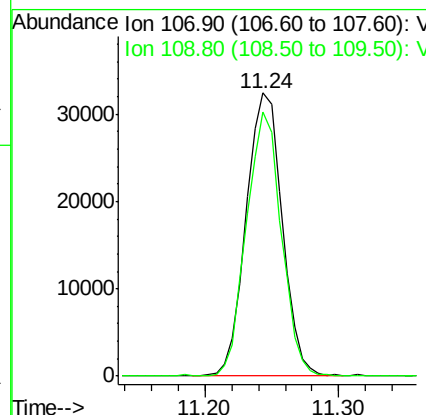
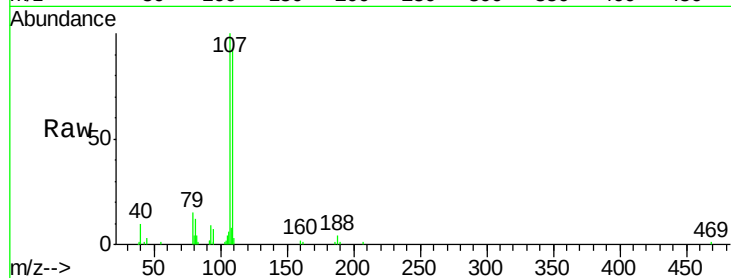
#61
 1,2-Dibromoethane
 Concen: 21.190 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	74.4	111.6

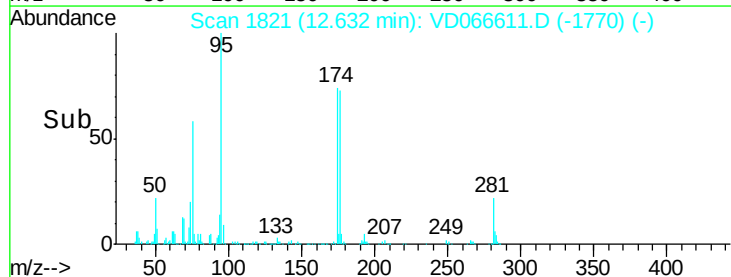
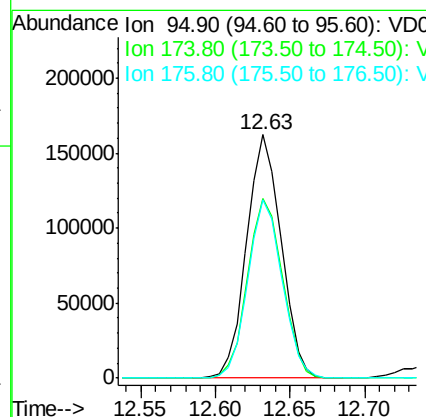
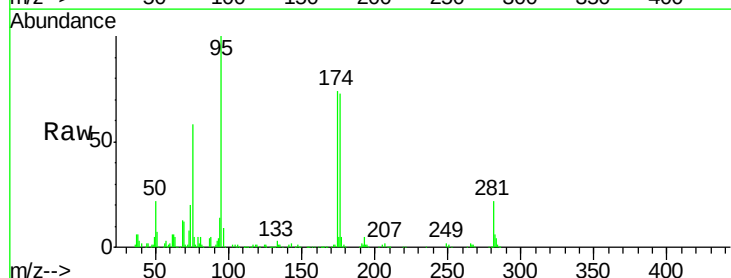
Manual Integrations
 APPROVED

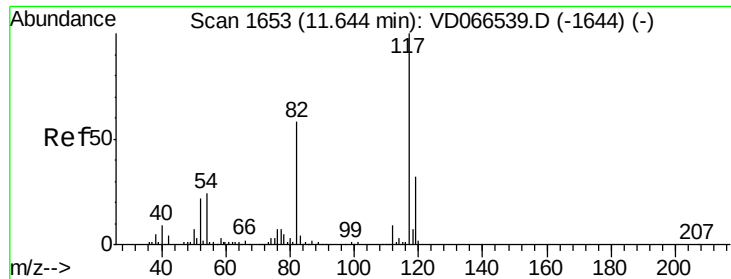
MMDadoda
 9/11/2020 10:17:57 AM



#62
 4-Bromofluorobenzene
 Concen: 56.418 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	155.8
176	72.9	0.0	148.6





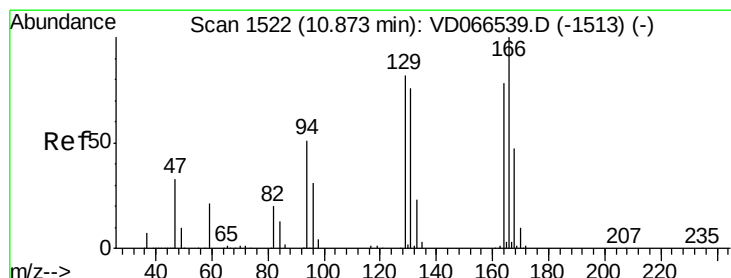
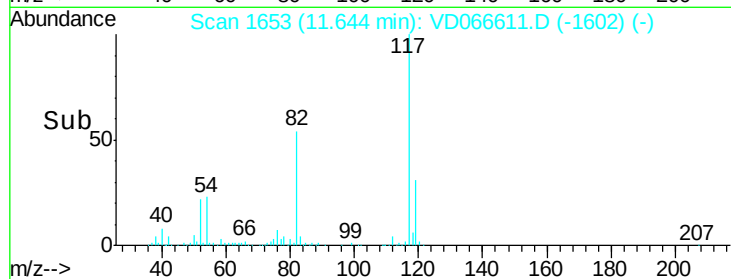
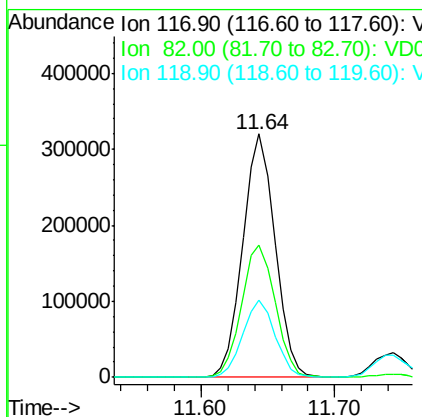
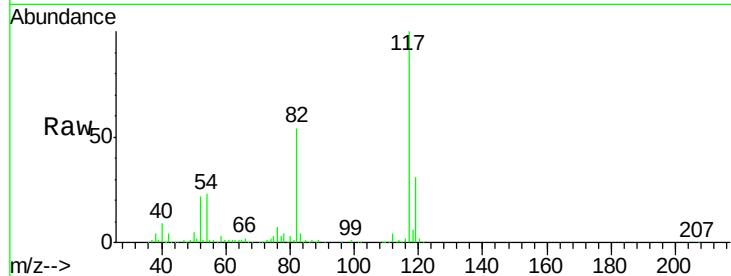
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	535831		
82	54.2	46.2	69.2	
119	31.5	25.8	38.8	

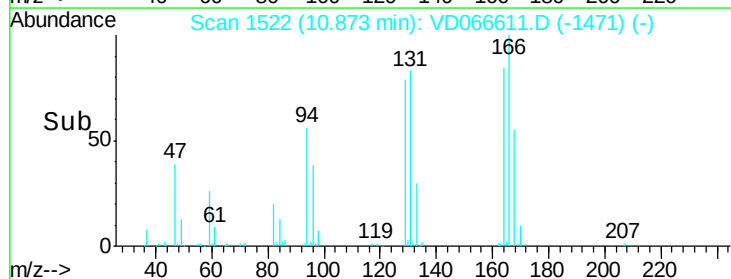
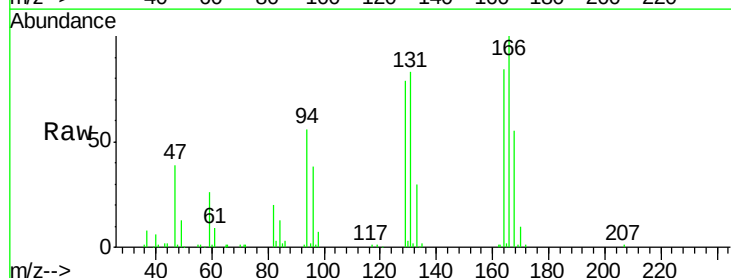
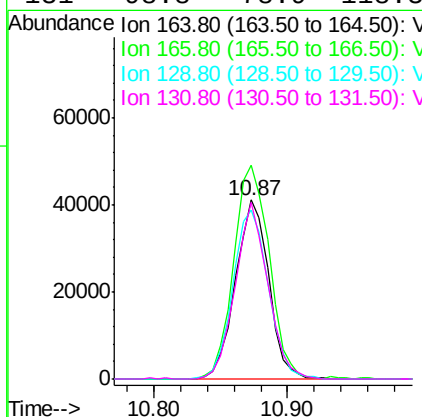
Manual Integrations
APPROVED

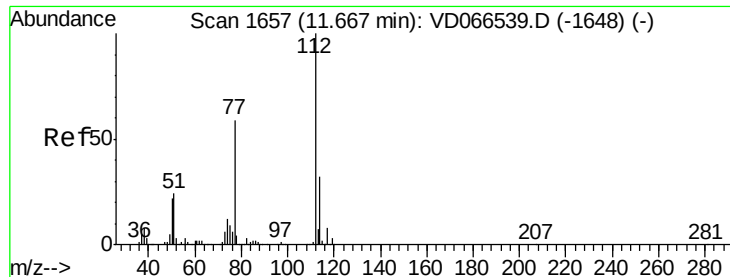
MMDadoda
9/11/2020 10:17:57 AM



#64
Tetrachloroethene
Concen: 19.688 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71031		
166	119.3	103.2	154.8	
129	94.2	84.5	126.7	
131	98.8	78.9	118.3	





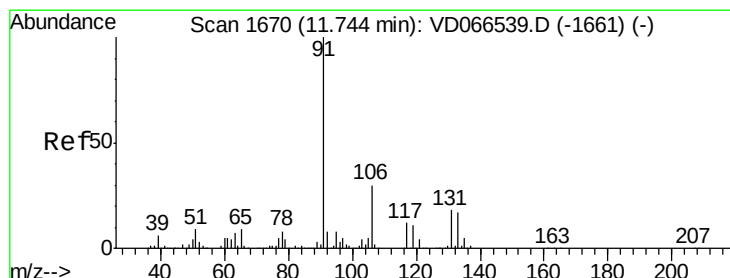
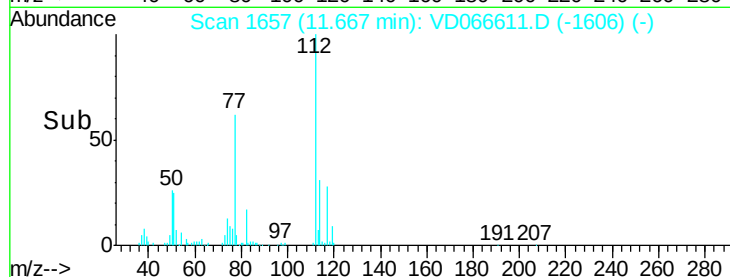
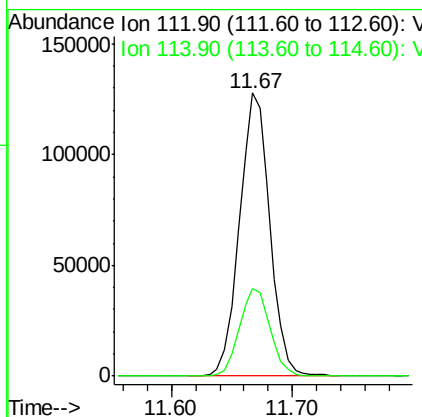
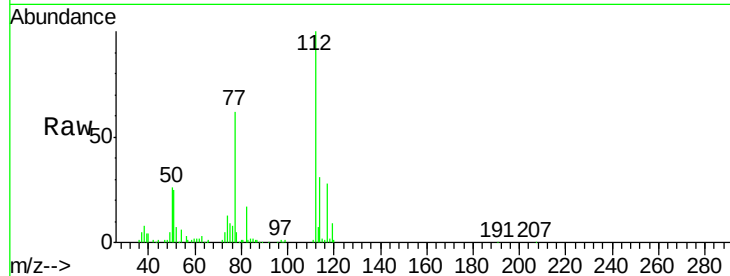
#65
Chlorobenzene
Concen: 20.117 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.7	38.5

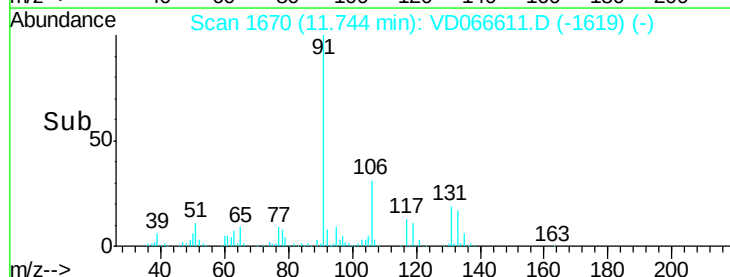
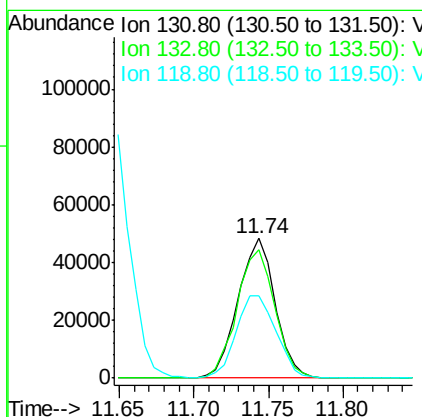
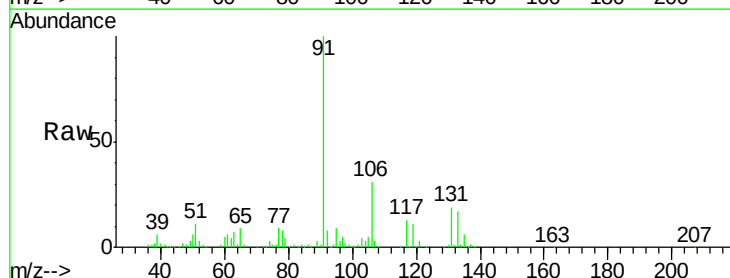
Manual Integrations
APPROVED

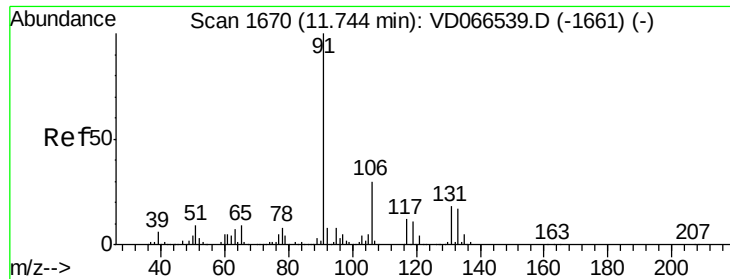
MMDadoda
9/11/2020 10:17:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.753 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	46.7	140.0
119	63.7	31.9	95.7





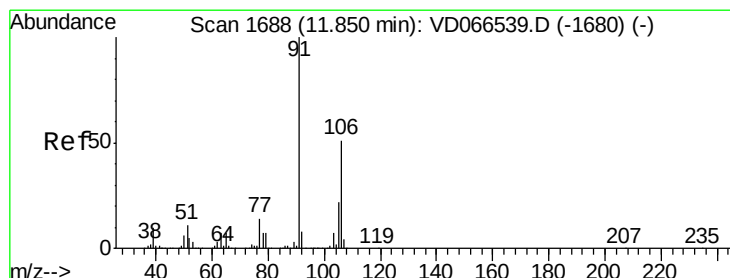
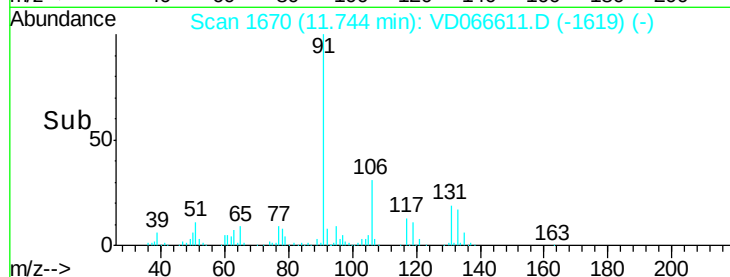
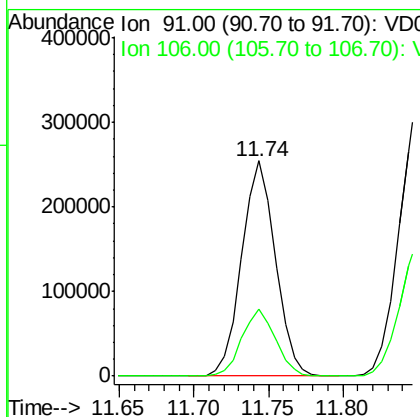
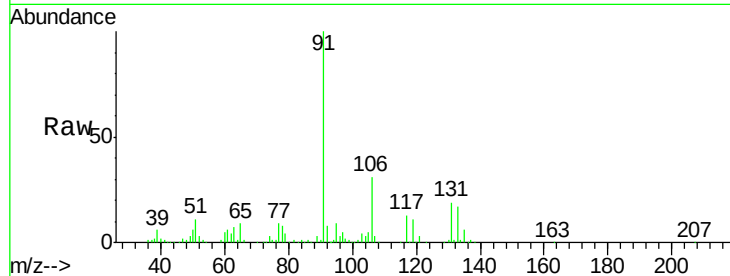
#67
Ethyl Benzene
Concen: 19.656 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleID :
VD0910SBS01

Tot Ion: 91 Resp: 399142
Ion Ratio Lower Upper
91 100
106 31.1 24.3 36.5

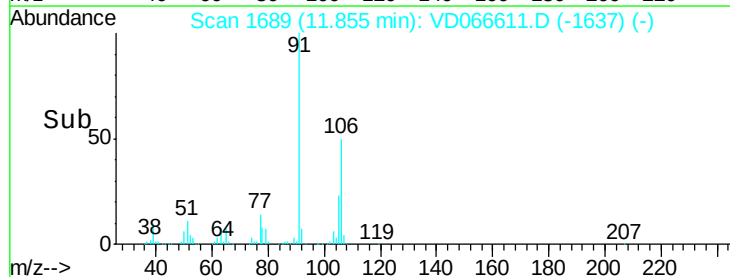
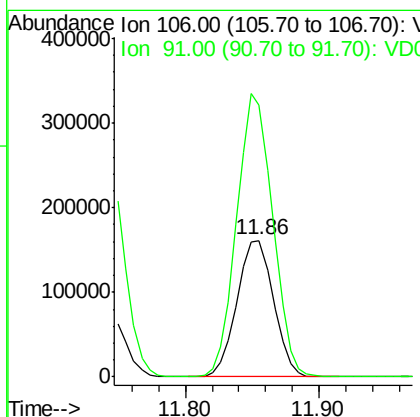
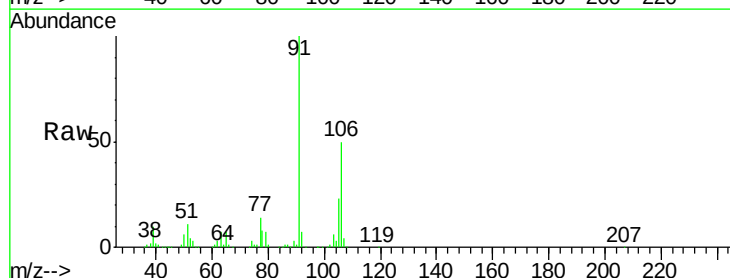
Manual Integrations
APPROVED

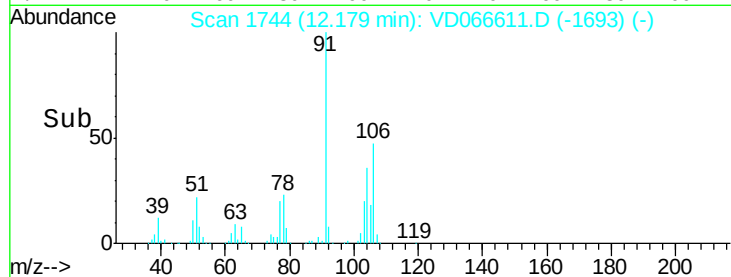
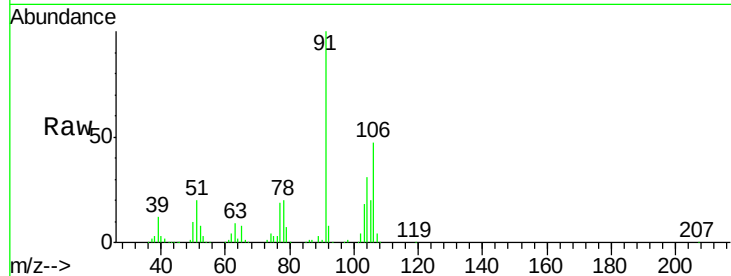
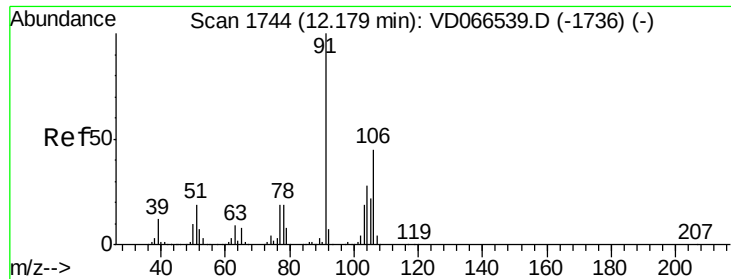
MMDadoda
9/11/2020 10:17:57 AM



#68
m/p-Xylenes
Concen: 40.743 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion: 106 Resp: 307198
Ion Ratio Lower Upper
106 100
91 204.1 162.4 243.6





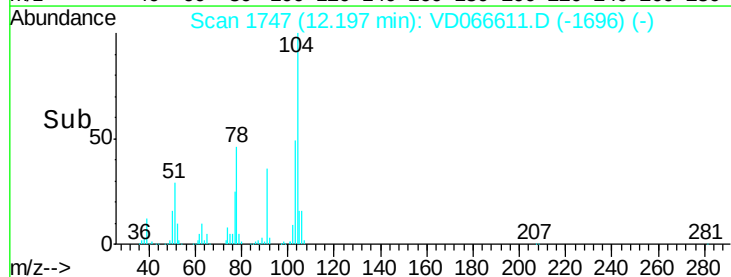
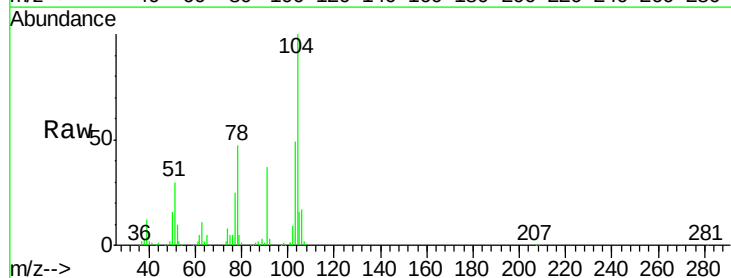
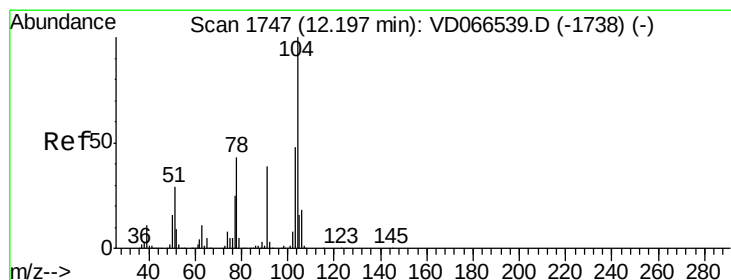
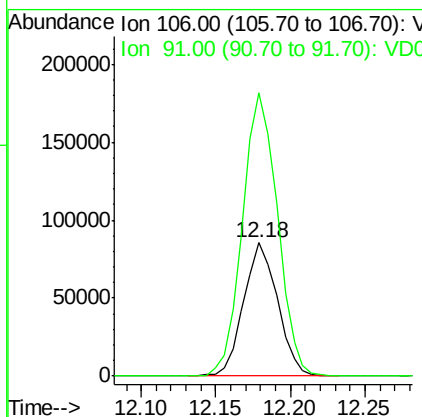
#69
o-Xylene
Concen: 19.907 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tot Ion:106 Resp: 134520
Ion Ratio Lower Upper
106 100
91 219.7 107.9 323.8

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

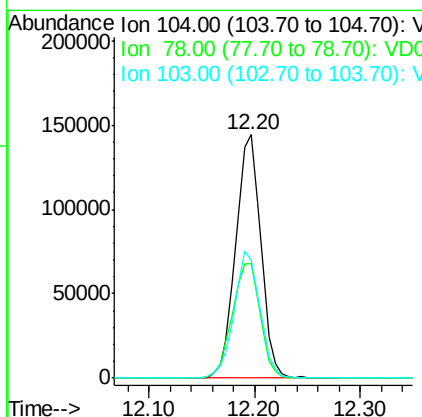
Manual Integrations
APPROVED

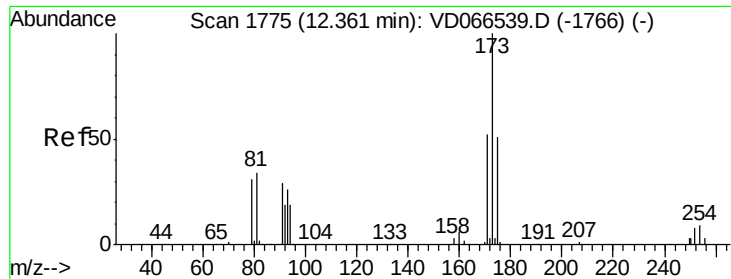
MMDadoda
9/11/2020 10:17:57 AM



#70
Styrene
Concen: 20.141 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion:104 Resp: 236614
Ion Ratio Lower Upper
104 100
78 52.6 40.7 61.1
103 53.6 42.9 64.3





#71

Bromoform

Concen: 20.730 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:173 Resp: 44095

Ion Ratio Lower Upper

173 100

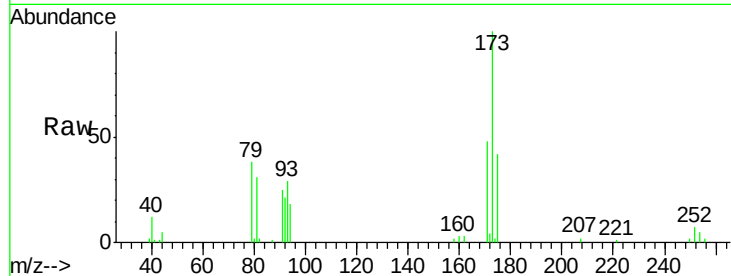
175 47.2 24.2 72.6

254 0.0 0.0 0.0

Manual Integrations
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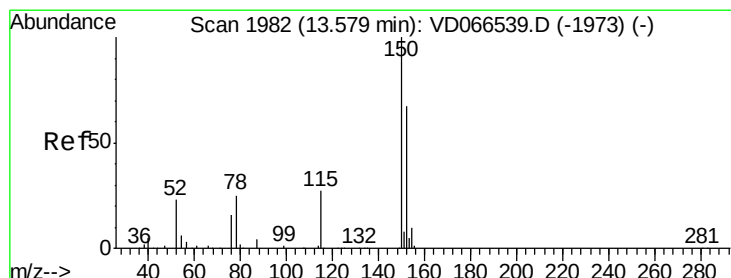
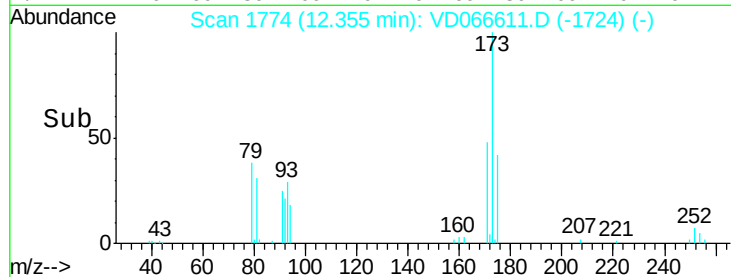
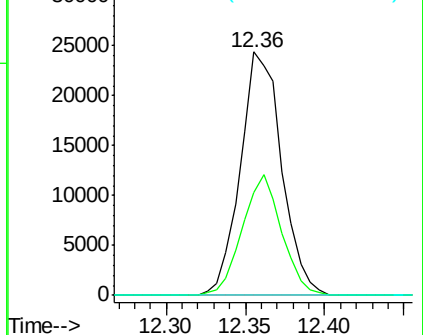
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

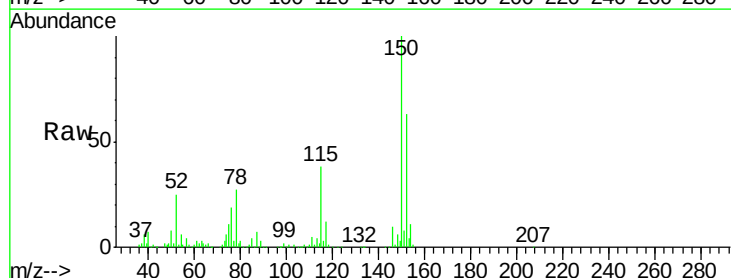
Tgt Ion:152 Resp: 249229

Ion Ratio Lower Upper

152 100

115 63.1 30.4 91.2

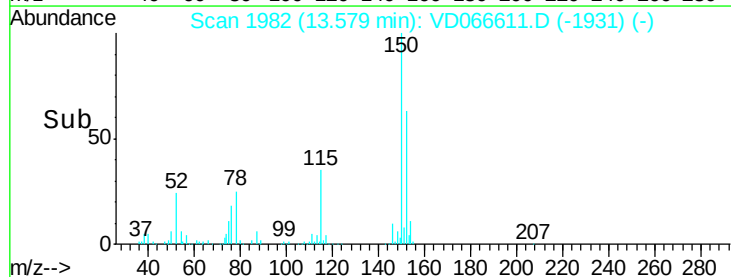
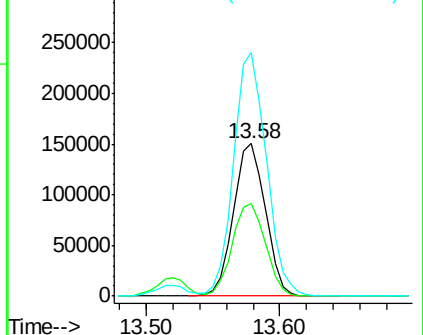
150 164.1 0.0 345.8

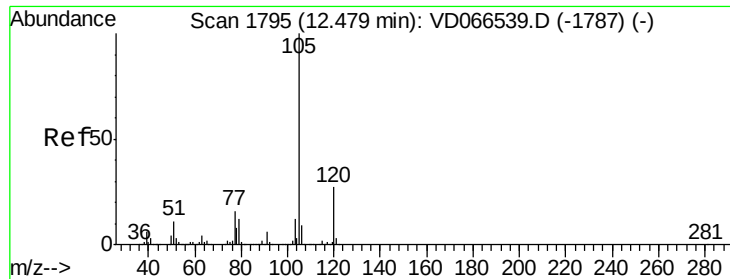


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.582 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 105 Resp: 379784

Ion Ratio Lower Upper

105 100

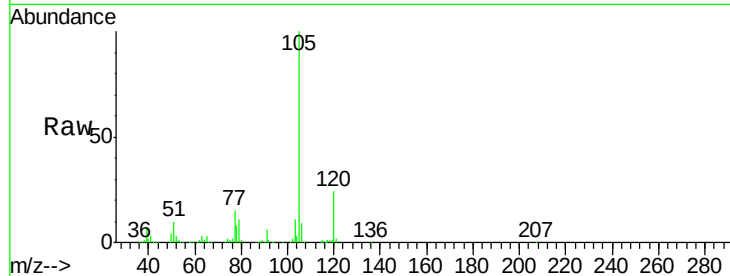
120 25.4 13.0 39.0

Manual Integrations

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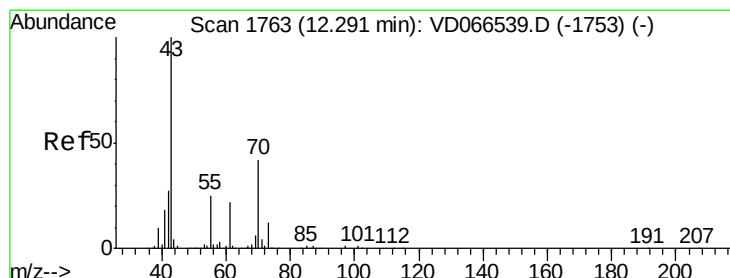
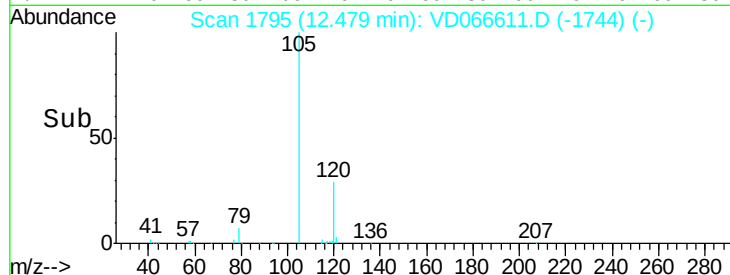
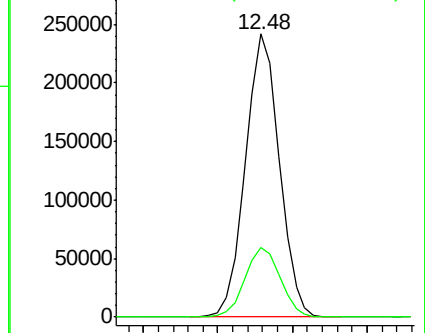
MMDadoda

9/11/2020 10:17:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.662 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Tgt Ion: 43 Resp: 82175

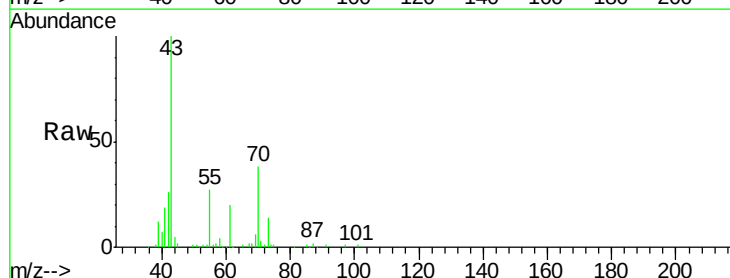
Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.2

55 27.8 20.1 30.1

61 22.4 18.2 27.2

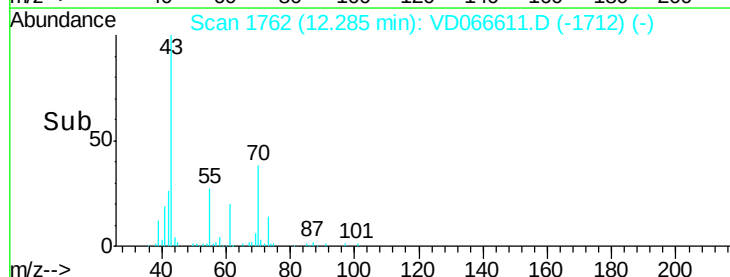
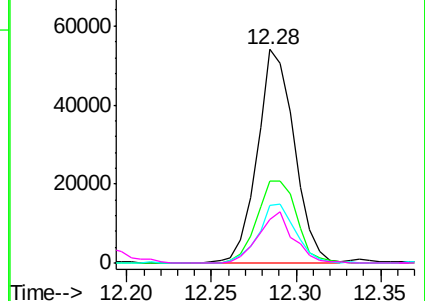


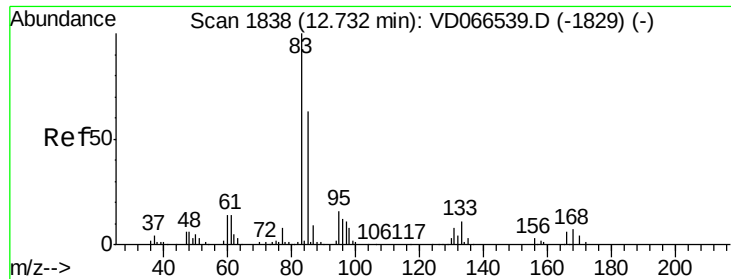
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.927 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

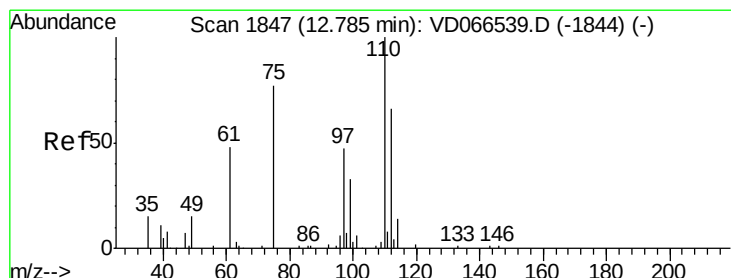
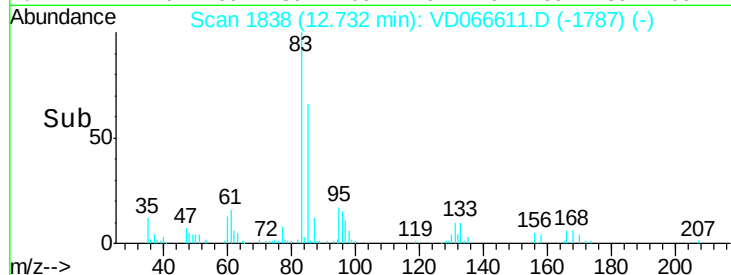
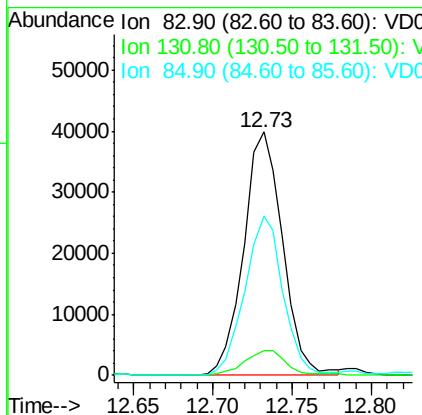
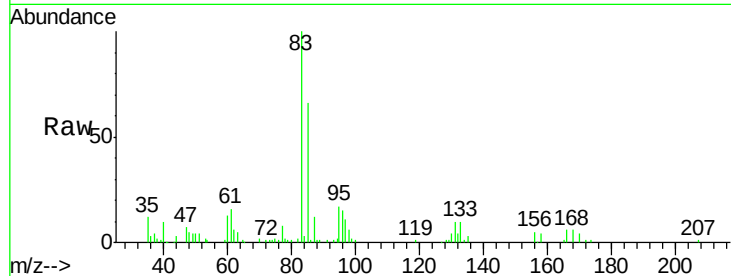
ClientSampleId :

VD0910SBS01

Tot Ion:	83	Resp:	68220
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.0	15.0
85	64.4	32.1	96.3

Manual Integrations
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9/11/2020 10:17:57 AM



#76

1,2,3-Trichloropropane

Concen: 17.529 ug/l m

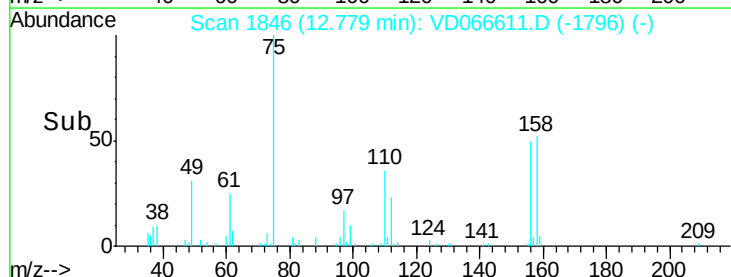
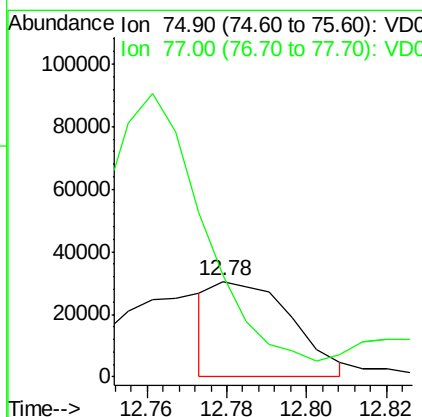
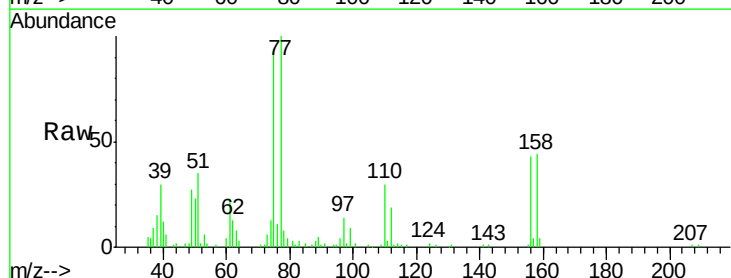
RT: 12.78 min Scan# 1846

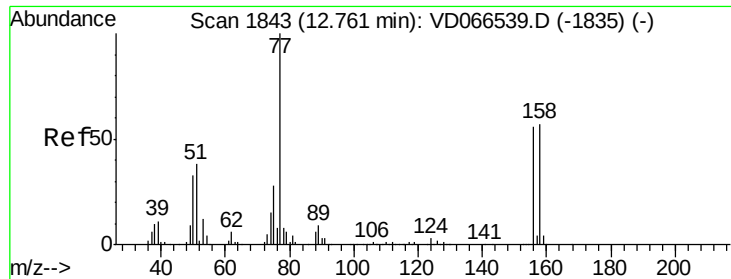
Delta R.T. -0.01 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Tgt Ion:	75	Resp:	42016
Ion Ratio	Lower	Upper	
75	100		
77	399.9	0.0	0.0#





#77

Bromobenzene

Concen: 21.278 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:156 Resp: 87534

Ion Ratio Lower Upper

156 100

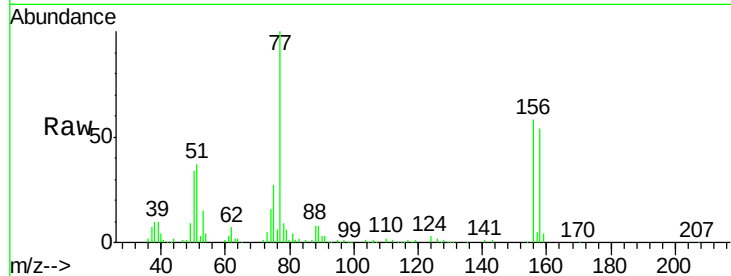
77 192.0 98.0 294.1

158 93.8 48.1 144.3

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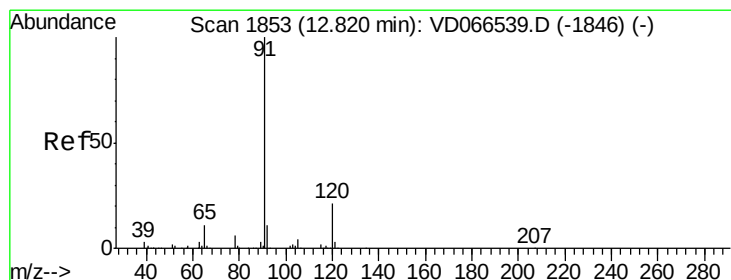
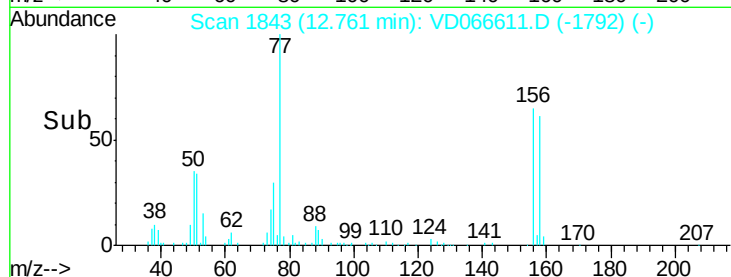
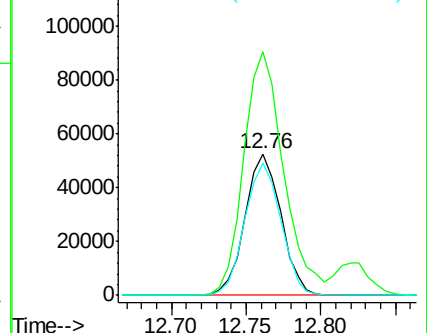
9/11/2020 10:17:57 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.735 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066611.D

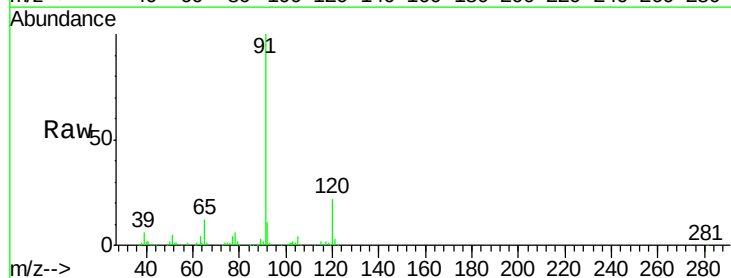
Acq: 10 Sep 2020 12:58

Tgt Ion: 91 Resp: 463835

Ion Ratio Lower Upper

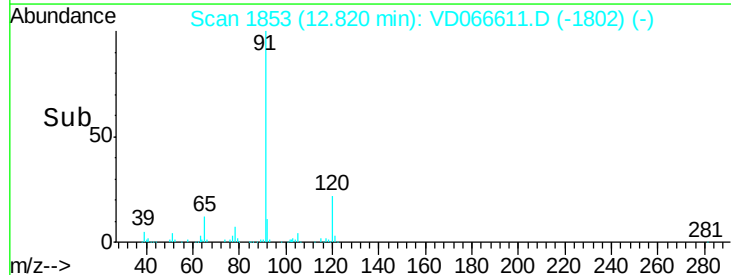
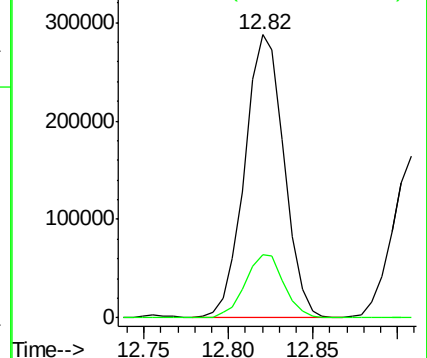
91 100

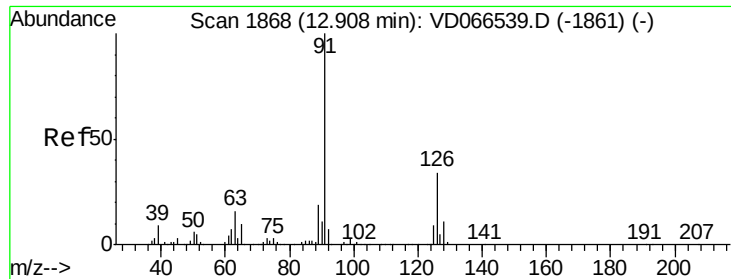
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.867 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 91 Resp: 261860

Ion Ratio Lower Upper

91 100

126 32.4

16.4

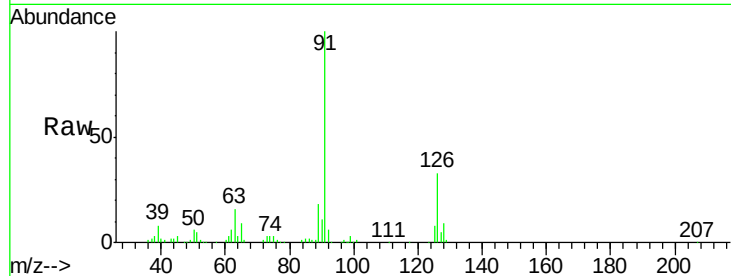
49.4

Manual Integrations

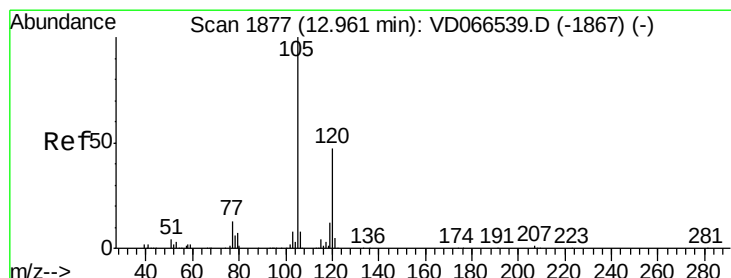
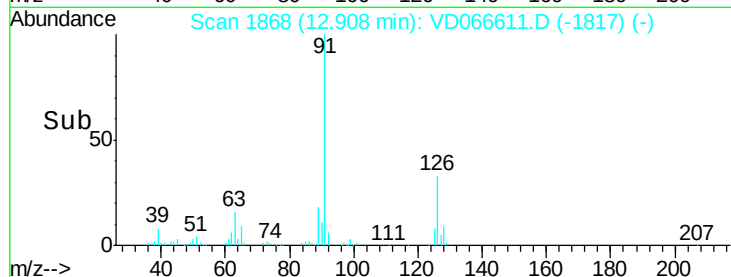
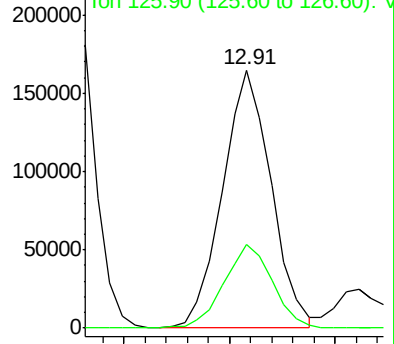
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Abundance Ion 91.00 (90.70 to 91.70): VD066611.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.846 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Tgt Ion: 105 Resp: 323756

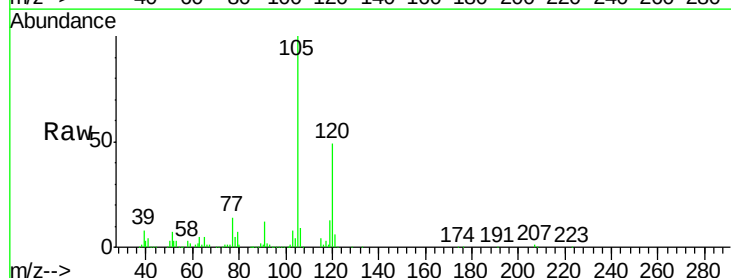
Ion Ratio Lower Upper

105 100

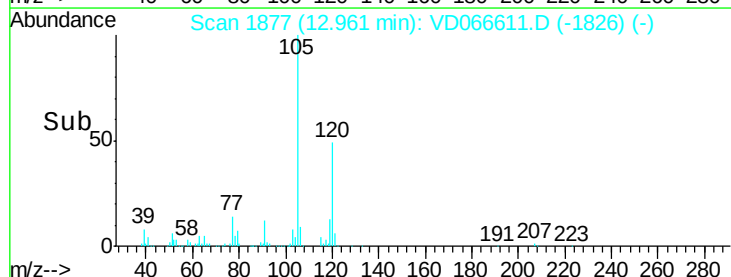
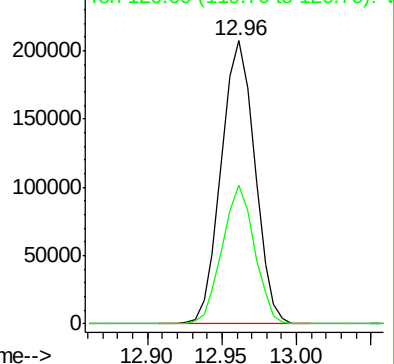
120 47.1

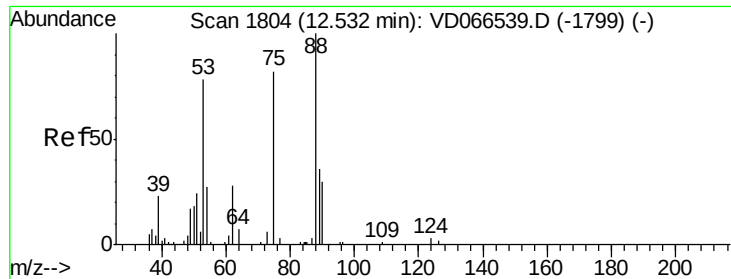
23.9

71.8



Abundance Ion 105.00 (104.70 to 105.70): VD066611.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.269 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

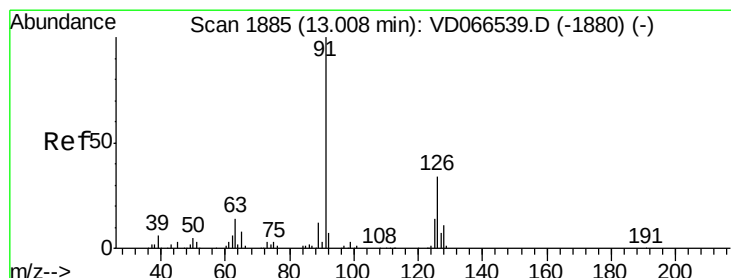
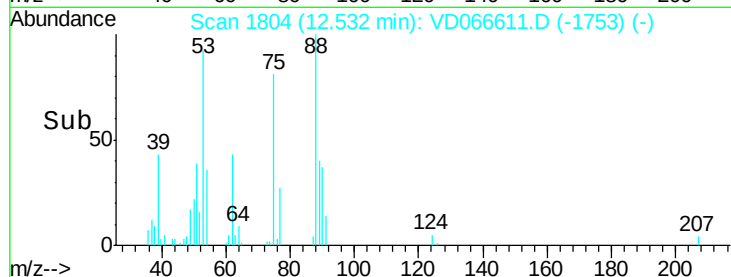
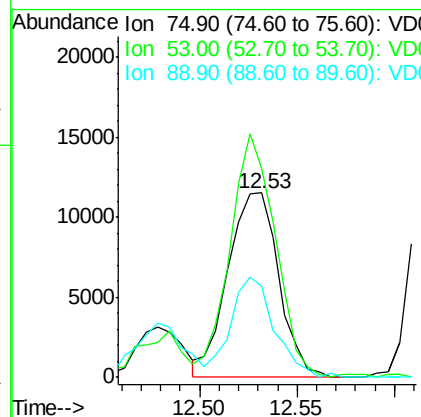
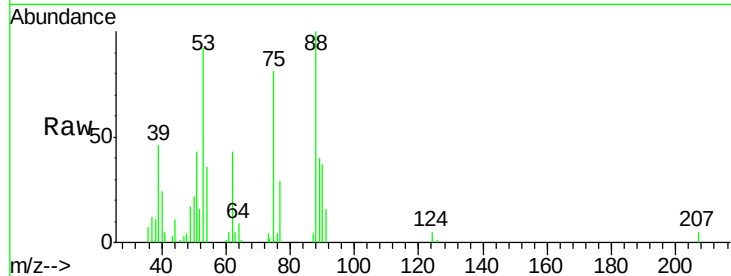
ClientSampleId :

VD0910SBS01

Tot Ion:	75	Resp:	20810
Ion	Ratio	Lower	Upper
75	100		
53	117.3	87.0	130.4
89	47.1	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.563 ug/l

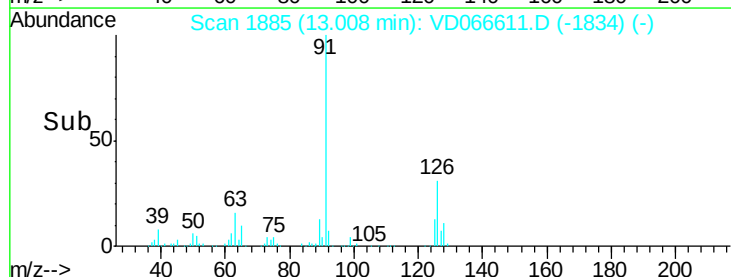
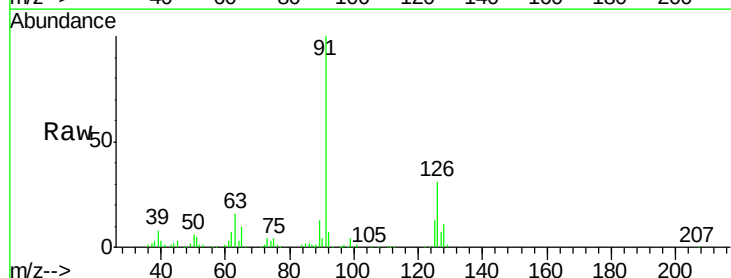
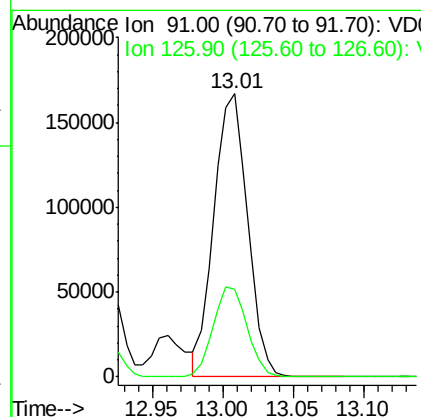
RT: 13.01 min Scan# 1885

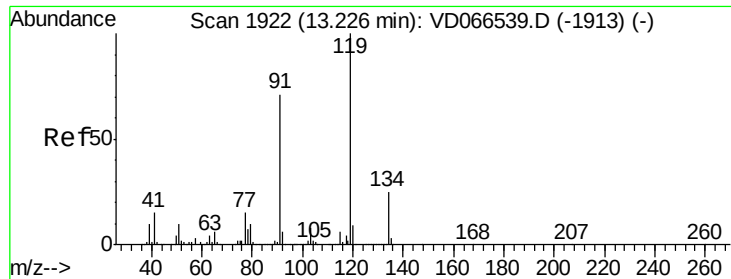
Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Tgt Ion:	91	Resp:	275948
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.1





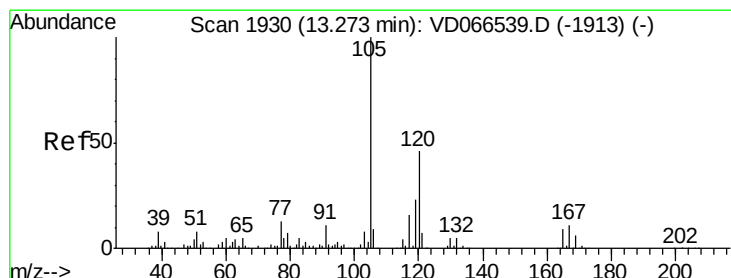
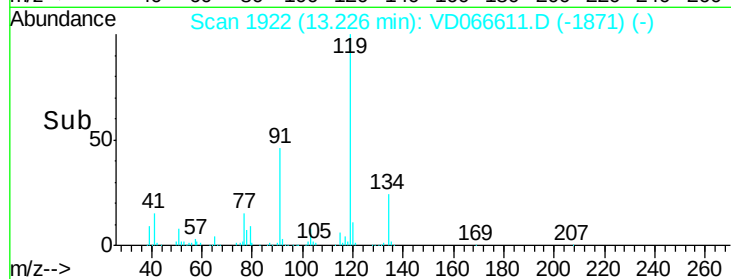
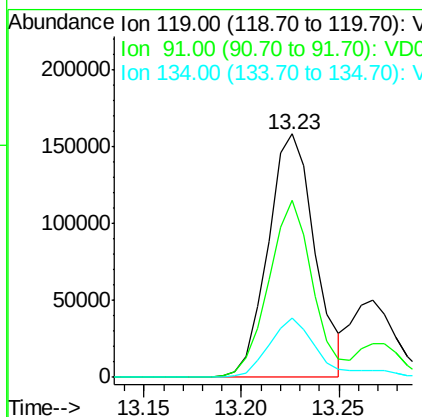
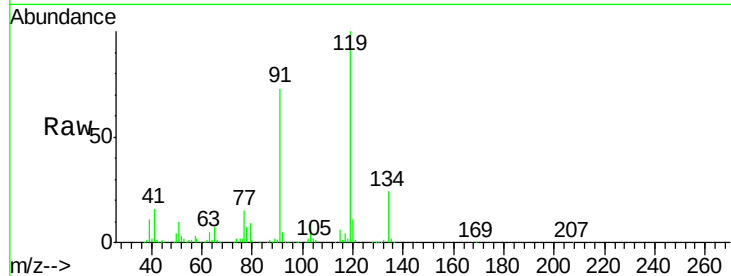
#83
tert-Butylbenzene
Concen: 20.718 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.4	35.2	105.6
134	26.0	13.5	40.5

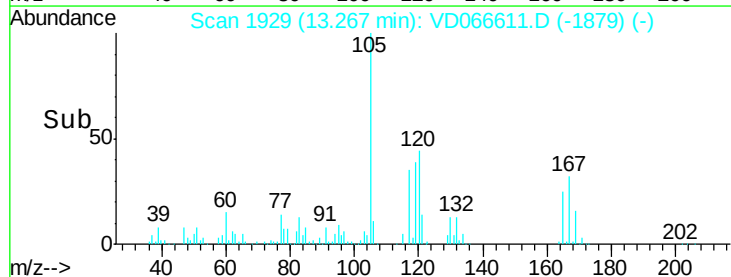
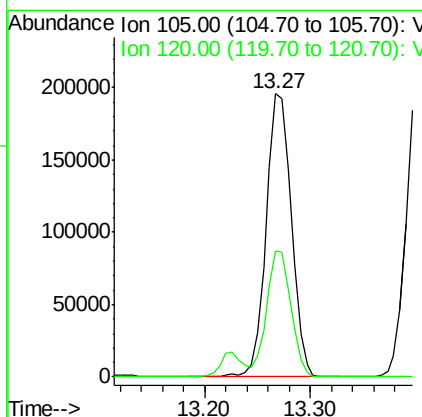
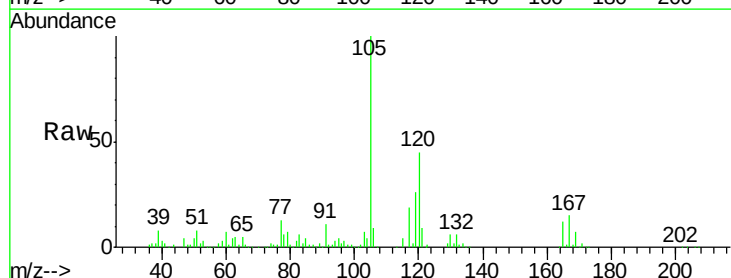
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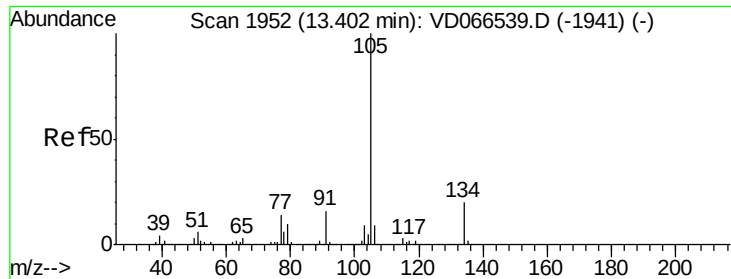
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#84
1,2,4-Trimethylbenzene
Concen: 20.978 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.192 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:105 Resp: 368960

Ion Ratio Lower Upper

105 100

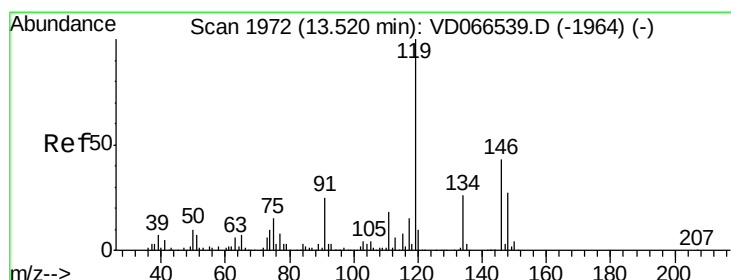
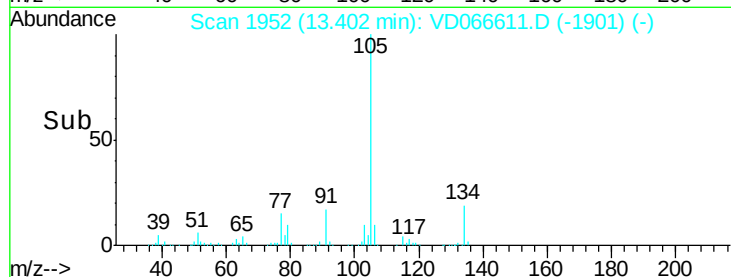
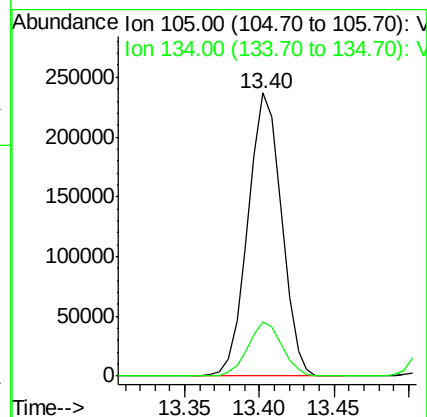
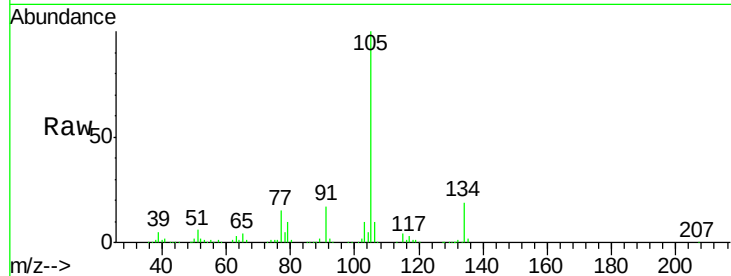
134 19.4 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 20.753 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066611.D

Acq: 10 Sep 2020 12:58

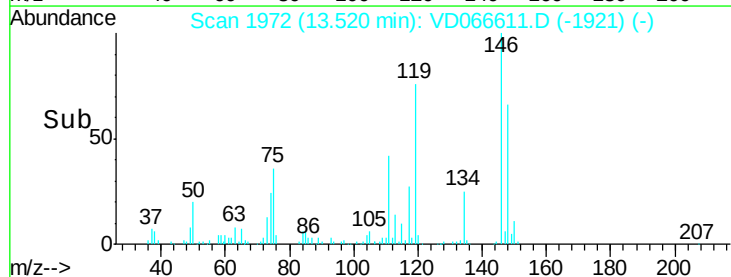
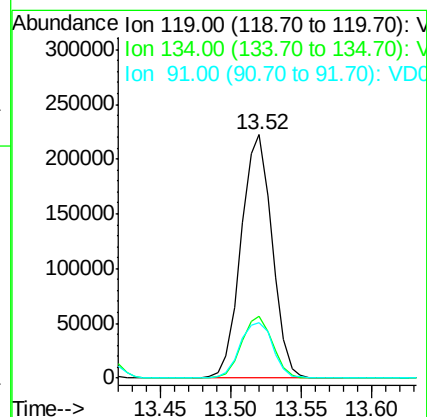
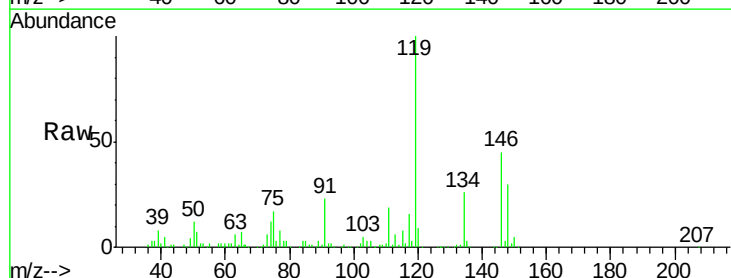
Tgt Ion:119 Resp: 341317

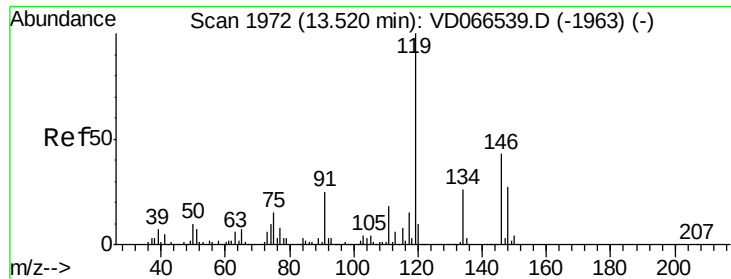
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 24.2 12.5 37.5





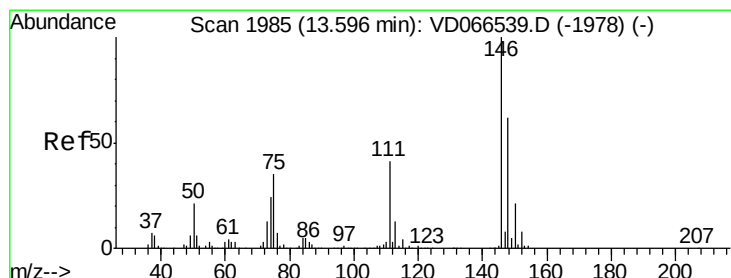
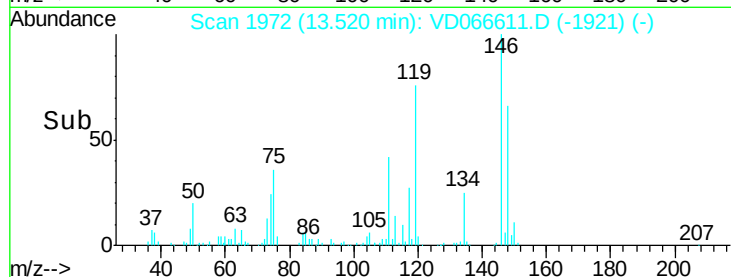
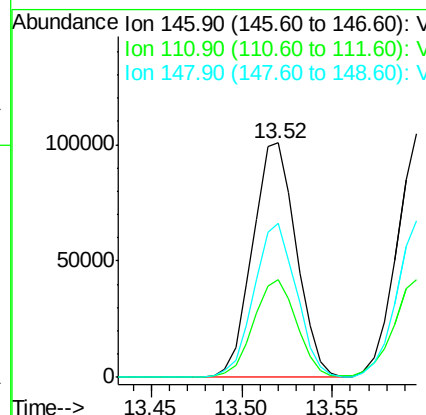
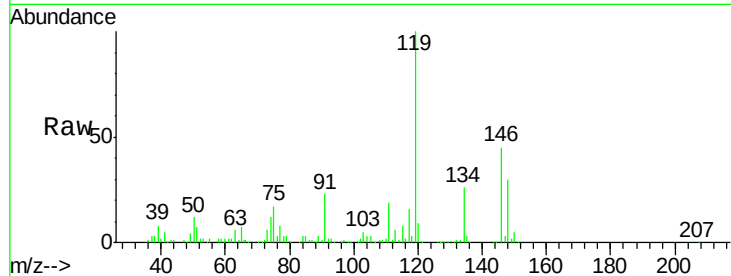
#87
 1,3-Dichlorobenzene
 Concen: 20.755 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	169509		
111	41.4	20.6	61.9	
148	63.5	32.1	96.3	

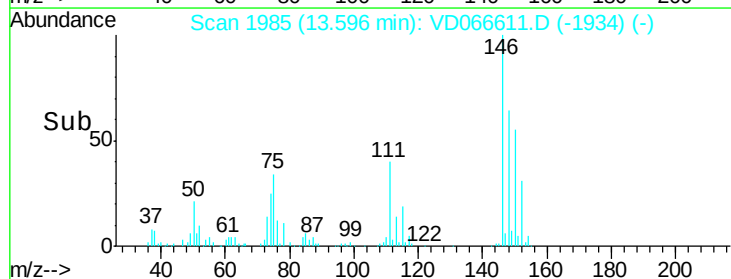
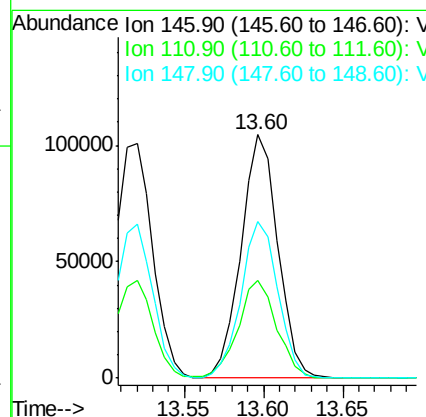
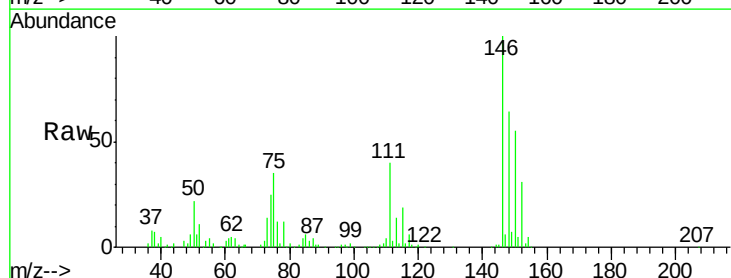
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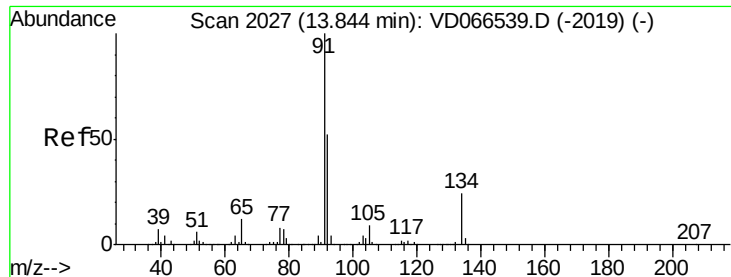
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#88
 1,4-Dichlorobenzene
 Concen: 20.557 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	168511		
111	42.2	20.1	60.2	
148	64.7	31.6	94.8	





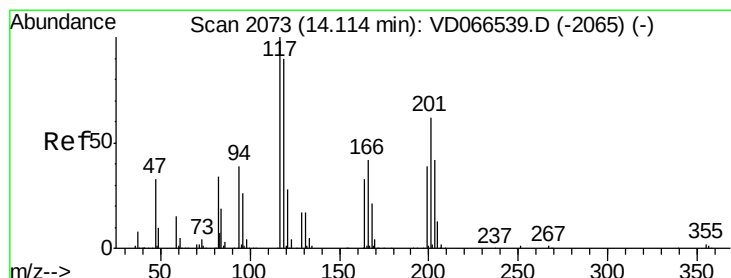
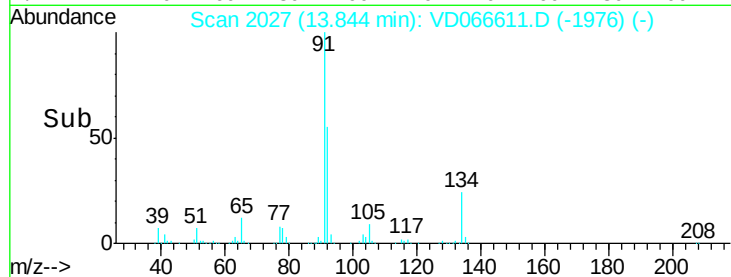
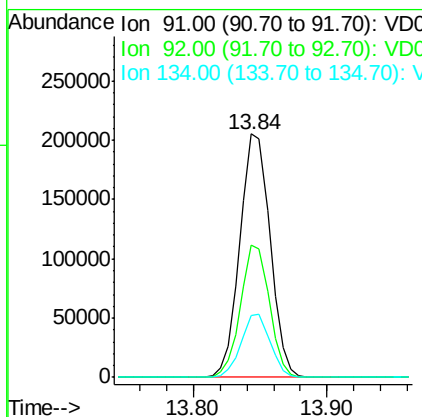
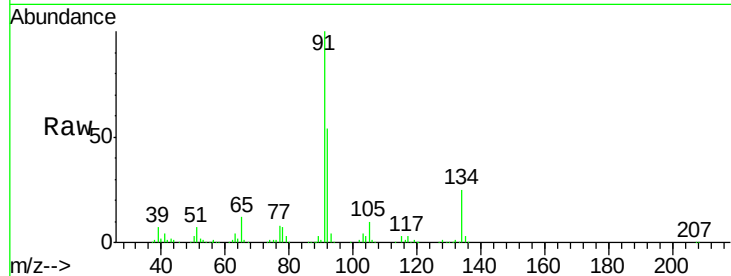
#89
n-Butylbenzene
Concen: 20.106 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.5	79.5
134	24.8	12.1	36.3

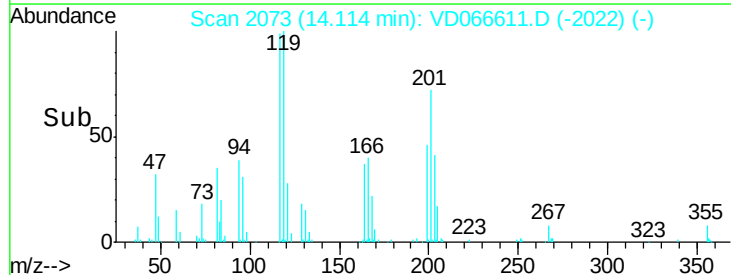
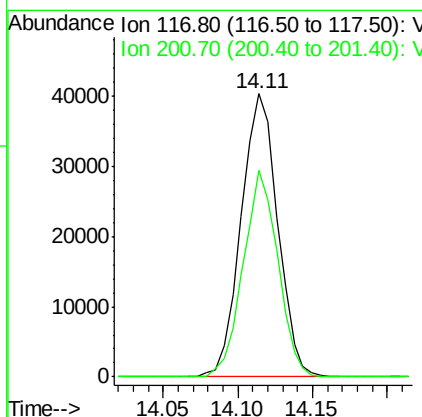
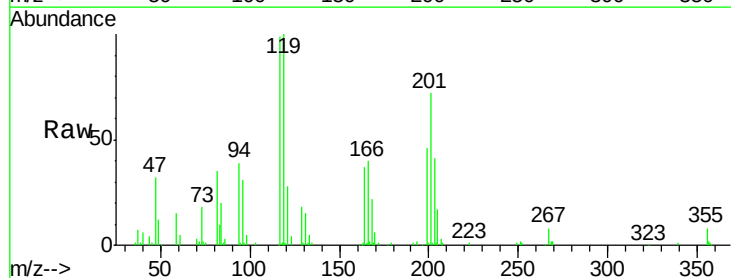
Manual Integrations
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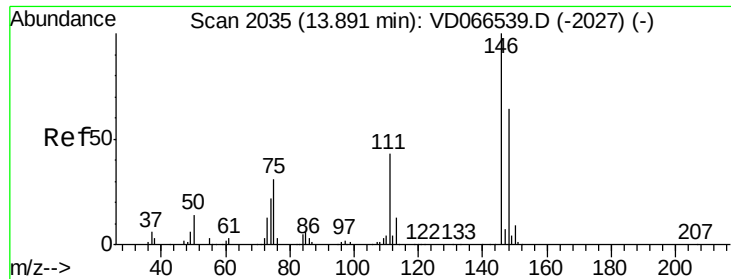
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#90
Hexachloroethane
Concen: 19.255 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	31.9	95.5





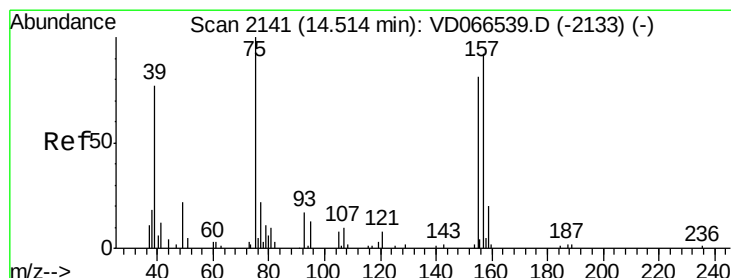
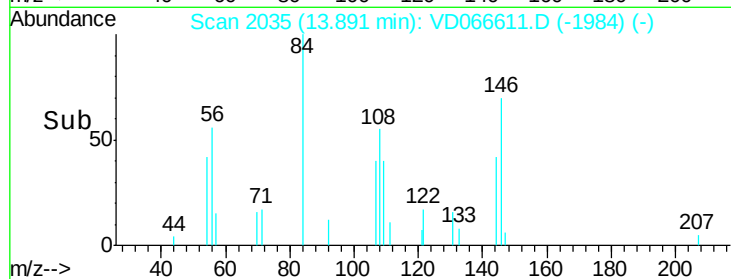
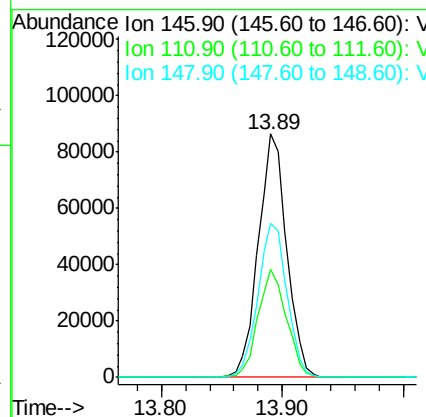
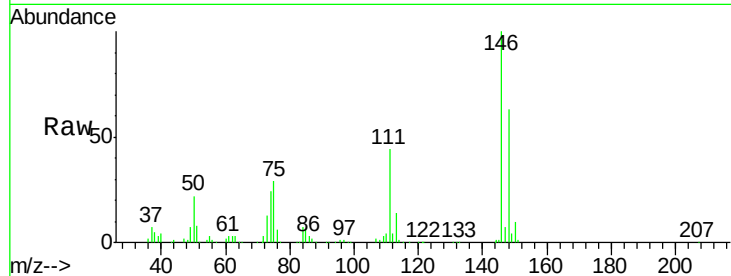
#91
 1,2-Dichlorobenzene
 Concen: 19.842 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.1	63.4
148	64.5	31.8	95.3

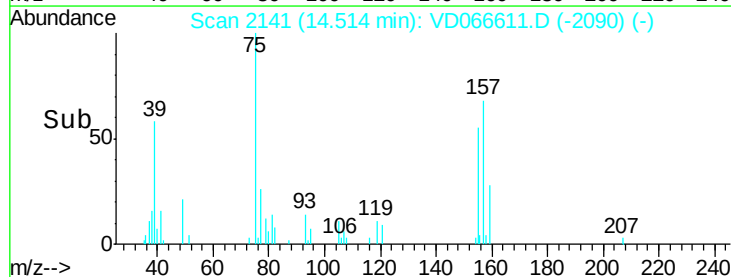
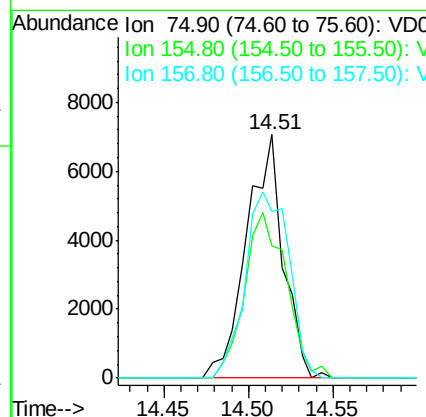
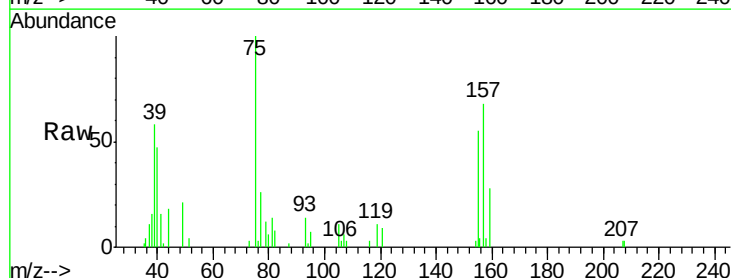
Manual Integrations
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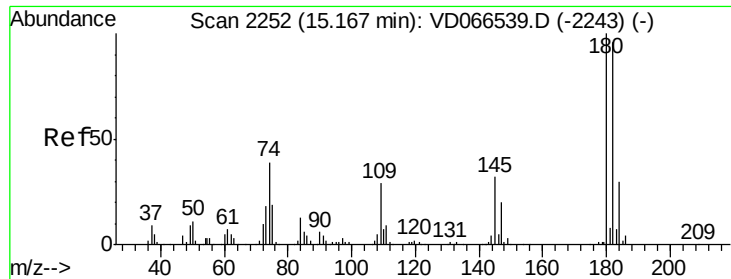
MMDadoda
 9/11/2020 10:17:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.315 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	39.3	117.8
157	90.9	46.0	137.8





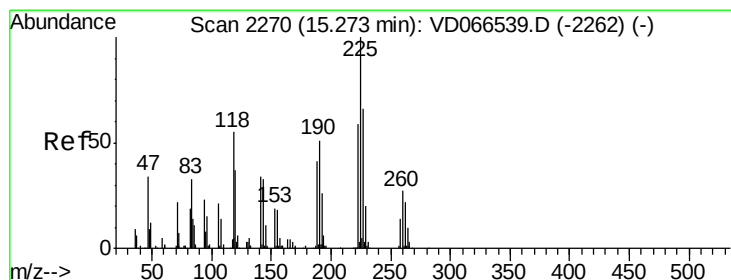
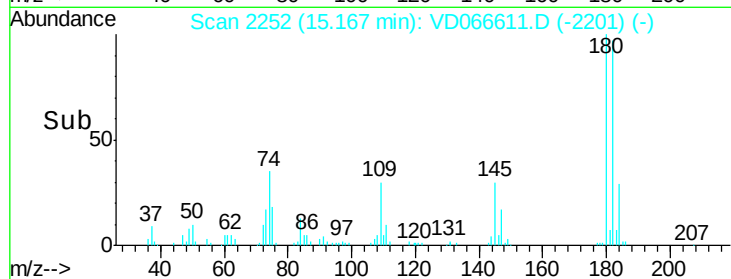
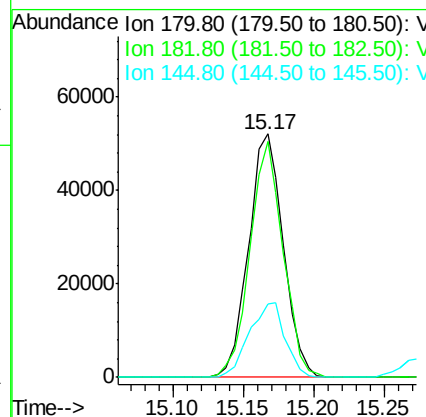
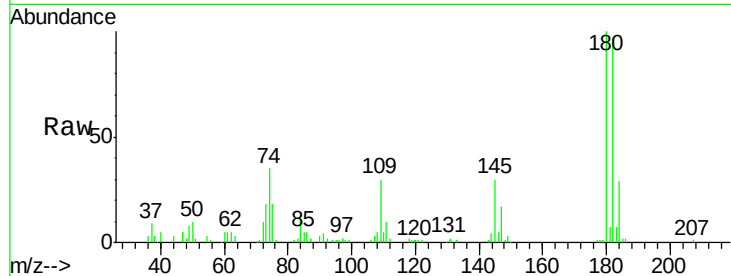
#93
 1,2,4-Trichlorobenzene
 Concen: 20.976 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.4	48.4	145.0	
145	31.9	16.7	50.0	

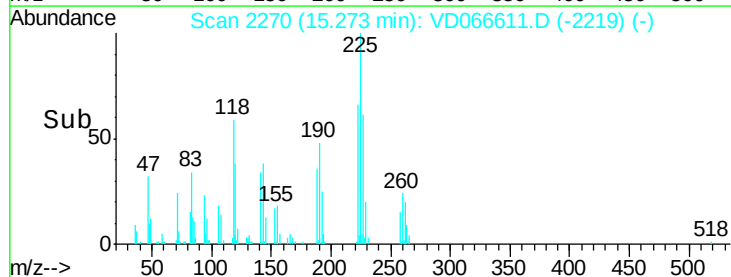
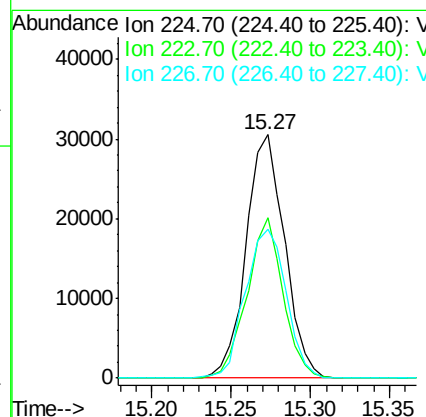
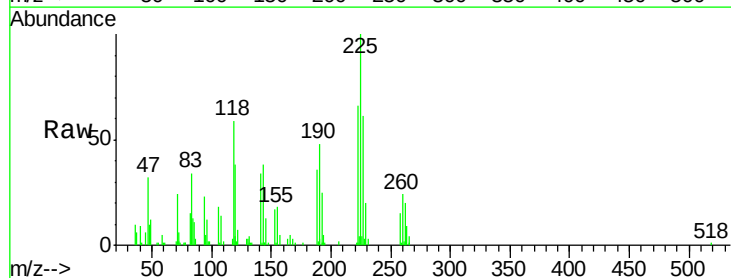
Manual Integrations
 APPROVED

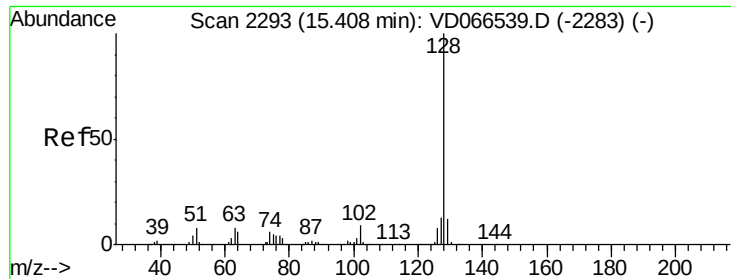
MMDadoda
 9/11/2020 10:17:57 AM



#94
 Hexachlorobutadiene
 Concen: 20.079 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066611.D
 Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	30.5	91.5	
227	64.9	32.4	97.2	





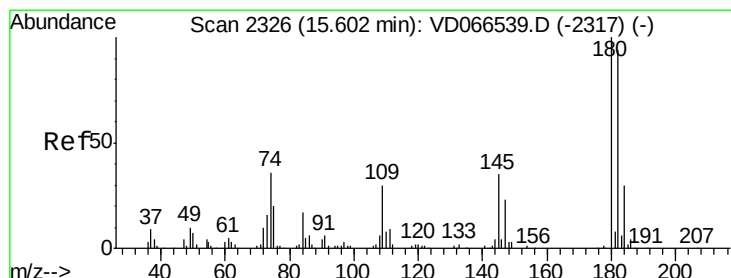
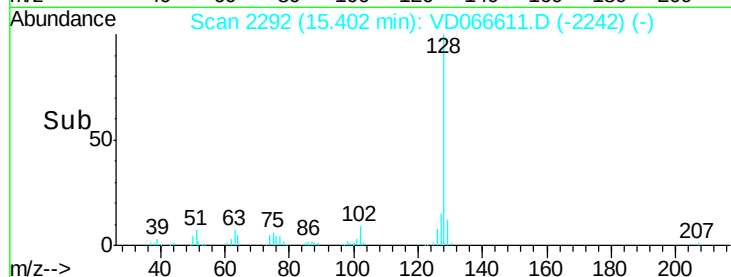
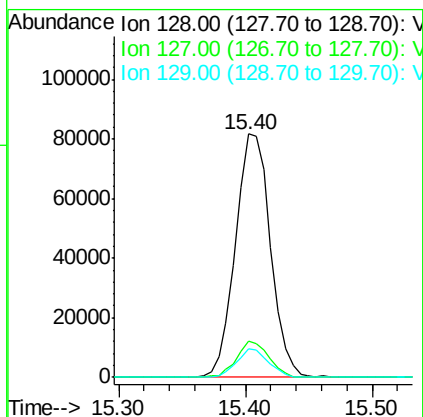
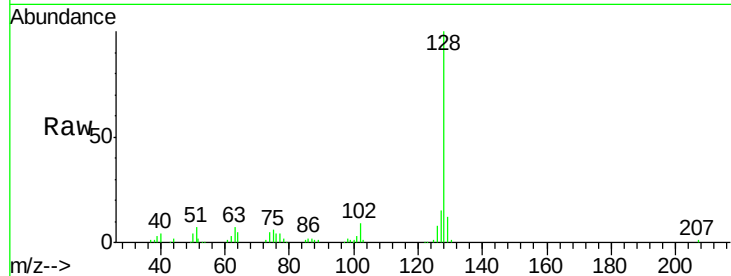
#95
Naphthalene
Concen: 20.788 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	155626		
127	13.9		10.7	16.1
129	10.6		9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/11/2020 10:17:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.350 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066611.D
Acq: 10 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	77981		
182	91.0		47.9	143.6
145	35.1		17.3	51.7

