

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061887.D
 Acq On : 18 Jun 2020 7:29
 Operator : JC/MD
 Sample : L3011-11MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 9:37:09 AM

Quant Time: Jun 18 08:09:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	151419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	264600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	247855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	91176	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	
35) Dibromofluoromethane	7.55	113	78865	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	10.06	98	301911	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
62) 4-Bromofluorobenzene	12.38	95	102413	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109419	55.505	ug/l	97
3) Chloromethane	2.03	50	112469	53.511	ug/l	98
4) Vinyl Chloride	2.16	62	139972	55.864	ug/l	97
5) Bromomethane	2.52	94	94508	49.118	ug/l	99
6) Chloroethane	2.67	64	92669	54.648	ug/l	99
7) Trichlorofluoromethane	2.98	101	163725	54.705	ug/l	99
8) Diethyl Ether	3.37	74	56176	55.832	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	81190	52.878	ug/l	99
10) Methyl Iodide	3.91	142	106662	56.755	ug/l	99
11) Tert butyl alcohol	4.73	59	74492	265.082	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	85745	55.733	ug/l	98
13) Acrolein	3.57	56	40126	238.909	ug/l	97
14) Allyl chloride	4.27	41	105760	51.795	ug/l	99
15) Acrylonitrile	4.93	53	190329	273.340	ug/l	99
16) Acetone	3.77	43	155883	259.871	ug/l	98
17) Carbon Disulfide	4.01	76	241476	53.642	ug/l	97
18) Methyl Acetate	4.28	43	77845	45.076	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	275427	53.768	ug/l	99
20) Methylene Chloride	4.50	84	99795	51.064	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	95781	54.201	ug/l	98
22) Diisopropyl ether	5.90	45	243629	52.170	ug/l	97
23) Vinyl Acetate	5.84	43	817108	222.467	ug/l	99
24) 1,1-Dichloroethane	5.80	63	161158	52.717	ug/l	97
25) 2-Butanone	6.78	43	236298	270.000	ug/l	99
26) 2,2-Dichloropropane	6.77	77	93990	36.544	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	110706	54.294	ug/l	96
28) Bromochloromethane	7.33	49	12986	9.541	ug/l #	6
29) Tetrahydrofuran	7.17	42	154052	267.469	ug/l	98
30) Chloroform	7.33	83	170546	52.200	ug/l	99
31) Cyclohexane	7.61	56	133476	49.876	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	148143	53.242	ug/l	99
36) 1,1-Dichloropropene	7.75	75	125841	52.142	ug/l	98
37) Ethyl Acetate	6.88	43	86363	45.824	ug/l	99
38) Carbon Tetrachloride	7.73	117	132341	55.373	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	138730	53.383	ug/l	99
40) Benzene	8.00	78	386000	52.798	ug/l	98
41) Methacrylonitrile	7.12	41	34945m	43.361	ug/l	
42) 1,2-Dichloroethane	8.08	62	129275	51.859	ug/l	100
43) Isopropyl Acetate	8.13	43	150121	47.266	ug/l	96
44) Trichloroethene	8.80	130	248746	129.283	ug/l	99
45) 1,2-Dichloropropane	9.08	63	95304	53.045	ug/l	97
46) Dibromomethane	9.17	93	67026	52.977	ug/l	98
47) Bromodichloromethane	9.37	83	137843	53.208	ug/l	98
48) Methyl methacrylate	9.17	41	77657	53.765	ug/l	99
49) 1,4-Dioxane	9.17	88	37663	1135.755	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	504406	268.748	ug/l	100
52) Toluene	10.12	92	251037	54.675	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	140503	51.088	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	148644	49.761	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	98572	54.565	ug/l	98
56) Ethyl methacrylate	10.40	69	134463	48.803	ug/l	99
57) 1,3-Dichloropropane	10.68	76	163470	53.413	ug/l	99
59) 2-Hexanone	10.72	43	369638	246.702	ug/l	99
60) Dibromochloromethane	10.87	129	111203	55.166	ug/l	99
61) 1,2-Dibromoethane	10.98	107	99601	52.801	ug/l	97
64) Tetrachloroethene	10.60	164	82996	52.538	ug/l	98
65) Chlorobenzene	11.41	112	268537	51.346	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	98138	53.803	ug/l	100
67) Ethyl Benzene	11.48	91	473300	53.976	ug/l	100
68) m/p-Xylenes	11.59	106	369911	109.401	ug/l	99
69) o-Xylene	11.92	106	178526	55.336	ug/l	100
70) Styrene	11.94	104	300610	55.649	ug/l	100
71) Bromoform	12.10	173	74161	55.761	ug/l #	98
73) Isopropylbenzene	12.22	105	462662	53.785	ug/l	99
74) N-amyl acetate	12.05	43	126999	41.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	141643	50.646	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	115341m	48.533	ug/l	
77) Bromobenzene	12.50	156	115297	53.128	ug/l	97
78) n-propylbenzene	12.57	91	516990	52.672	ug/l	99
79) 2-Chlorotoluene	12.65	91	308355	52.308	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	381215	53.567	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	41396	47.508	ug/l	99
82) 4-Chlorotoluene	12.75	91	323922	53.177	ug/l	99
83) tert-Butylbenzene	12.97	119	329063	54.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	390229	55.548	ug/l	100
85) sec-Butylbenzene	13.15	105	424568	53.764	ug/l	100
86) p-Isopropyltoluene	13.26	119	385816	54.829	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	205979	52.040	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	206842	51.052	ug/l	99
89) n-Butylbenzene	13.59	91	299469	50.959	ug/l	100
90) Hexachloroethane	13.85	117	70529	54.755	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	202326	53.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24644	54.278	ug/l	99
93) 1,2,4-Trichlorobenzene	14.88	180	92669	51.538	ug/l	100

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Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	34140	48.208	ug/l	95
95) Naphthalene	15.10	128	284986	47.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	95115	53.413	ug/l	99

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

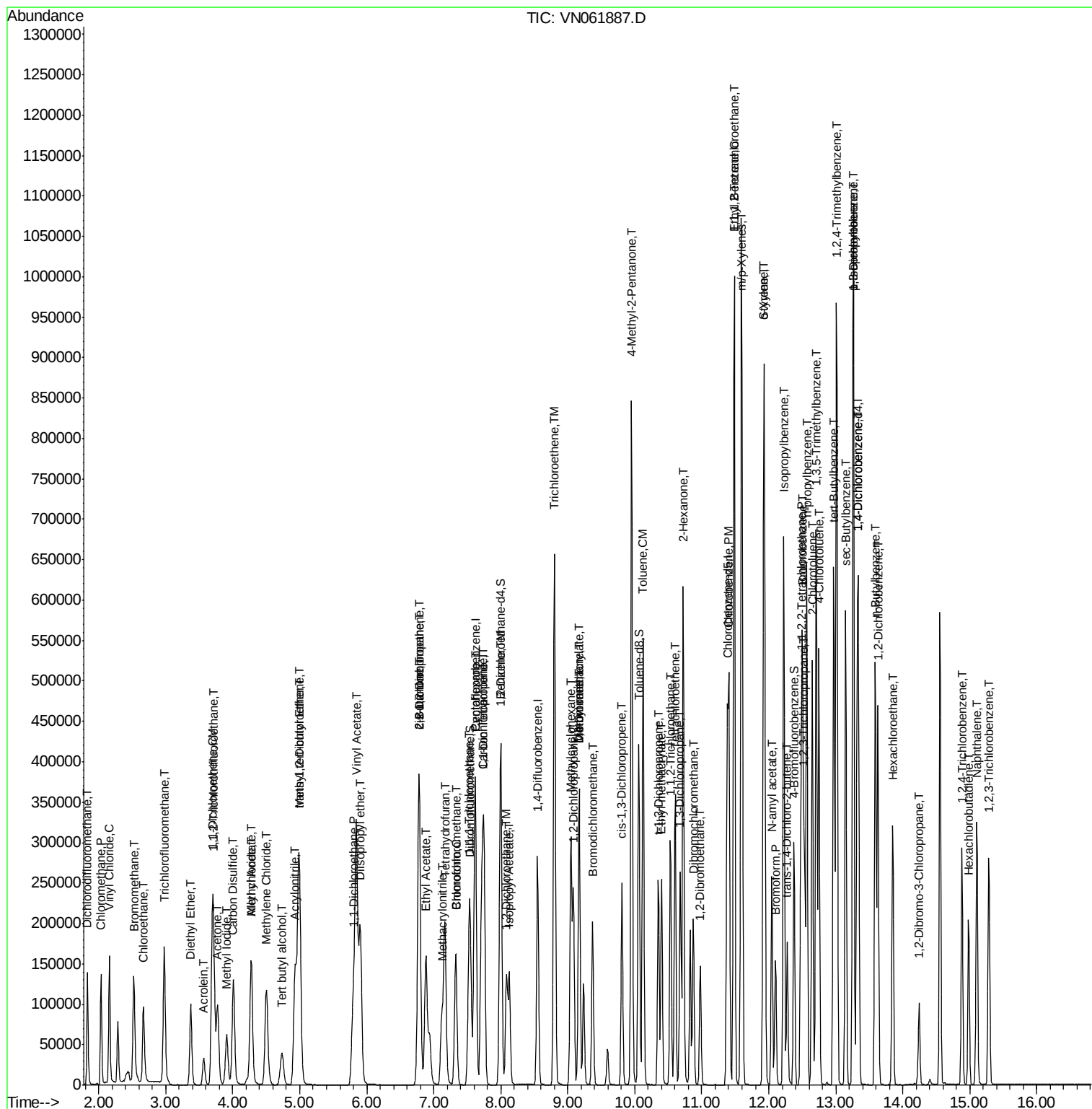
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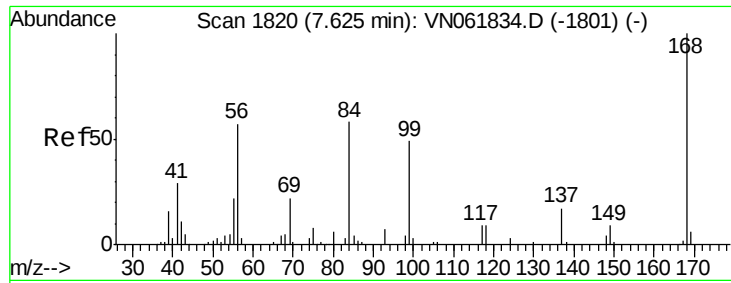
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611MSD

Tot Ion:168 Resp: 151419

Ion Ratio Lower Upper

168 100

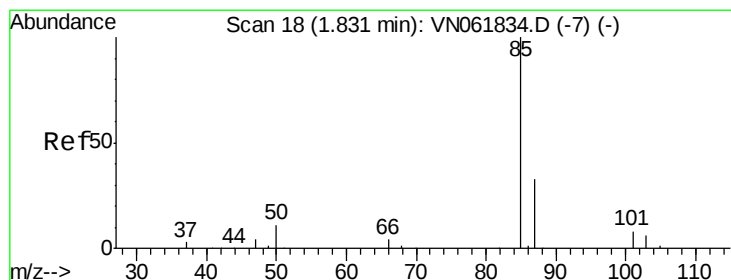
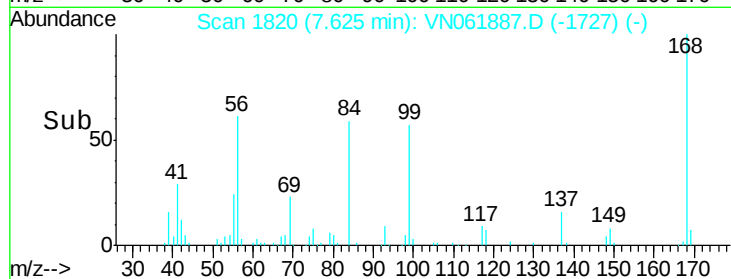
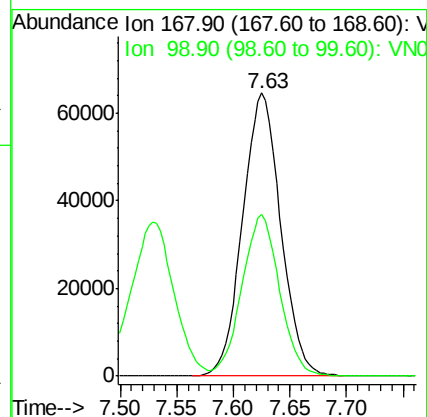
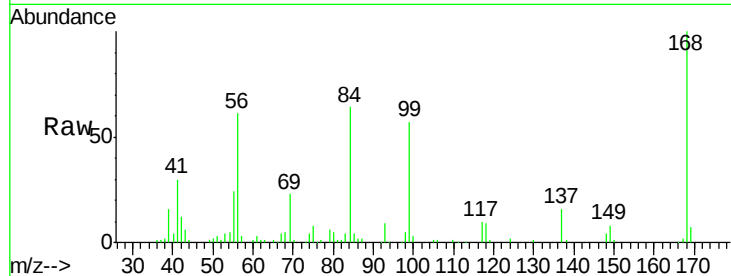
99 56.8 44.6 67.0

Manual Integrations

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6/18/2020 9:37:09 AM



#2

Dichlorodifluoromethane

Concen: 55.505 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061887.D

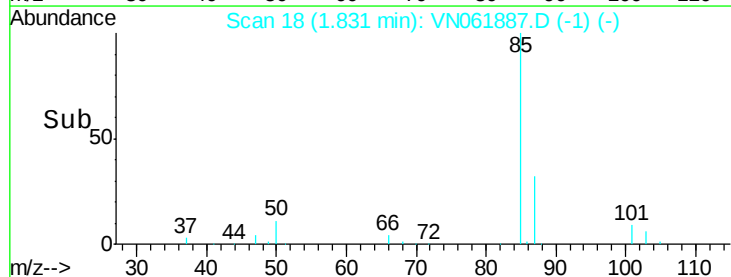
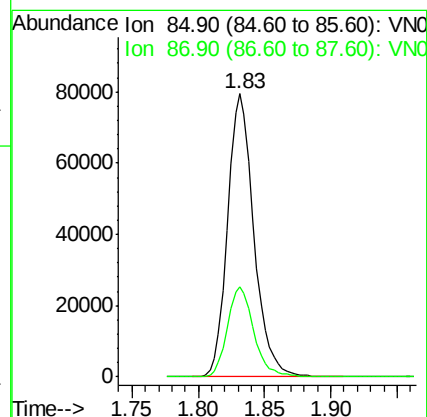
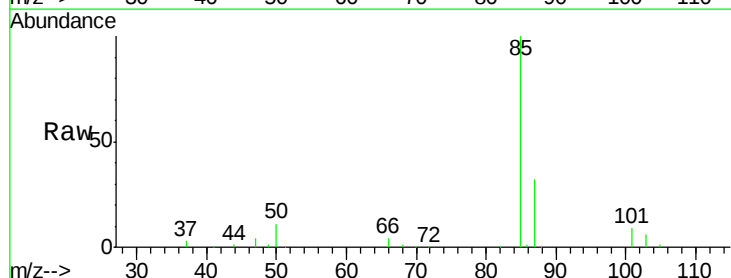
Acq: 18 Jun 2020 7:29

Tgt Ion: 85 Resp: 109419

Ion Ratio Lower Upper

85 100

87 31.7 16.6 49.8





#3

Chloromethane

Concen: 53.511 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611MSD

Tot Ion: 50 Resp: 112469

Ion Ratio Lower Upper

50 100

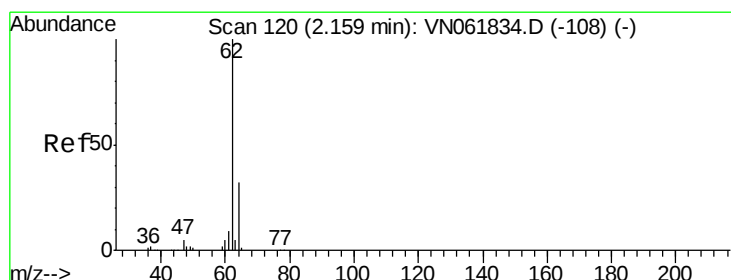
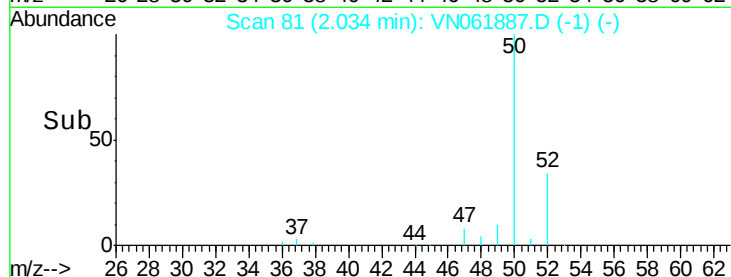
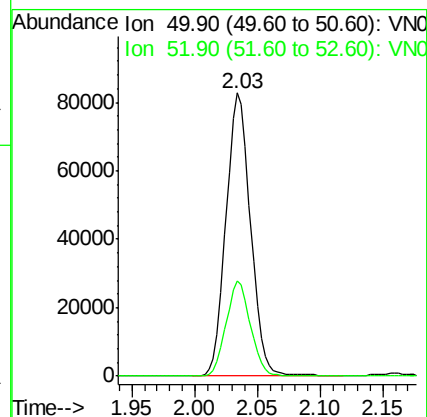
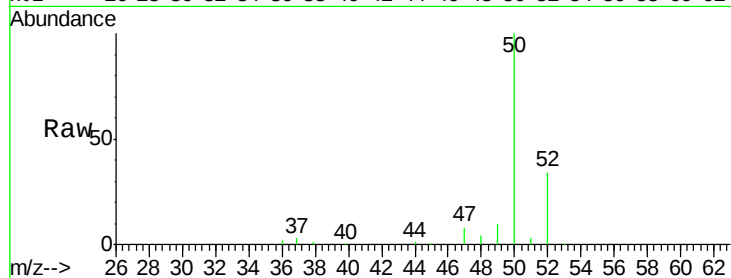
52 33.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.864 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061887.D

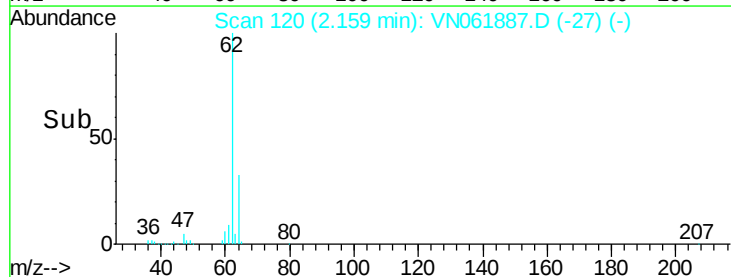
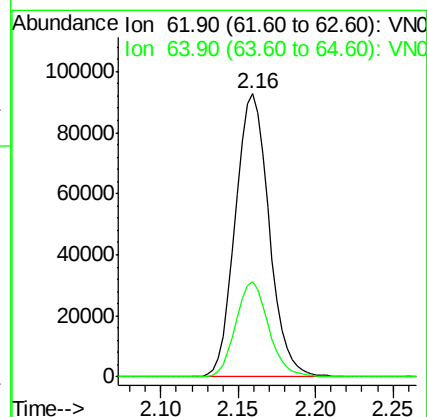
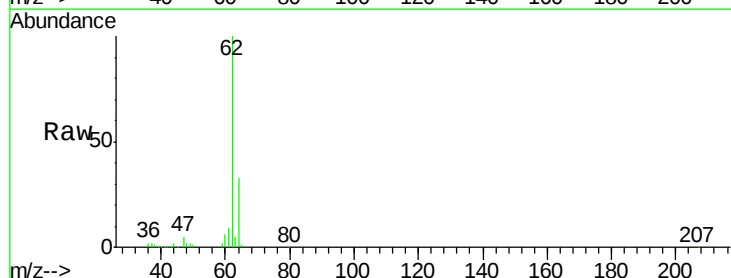
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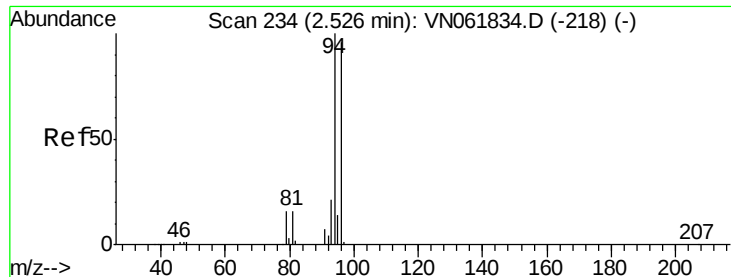
Tgt Ion: 62 Resp: 139972

Ion Ratio Lower Upper

62 100

64 33.4 25.5 38.3





#5

Bromomethane

Concen: 49.118 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 94508

Ion Ratio Lower Upper

94 100

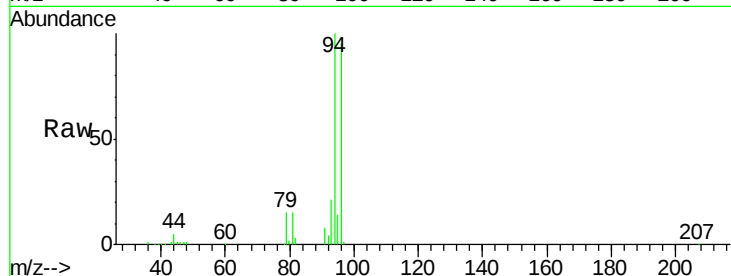
96 95.3 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

50000

40000

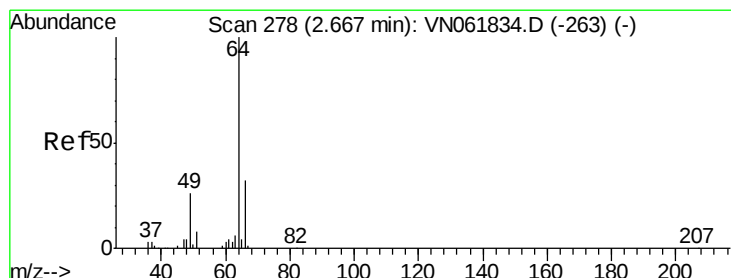
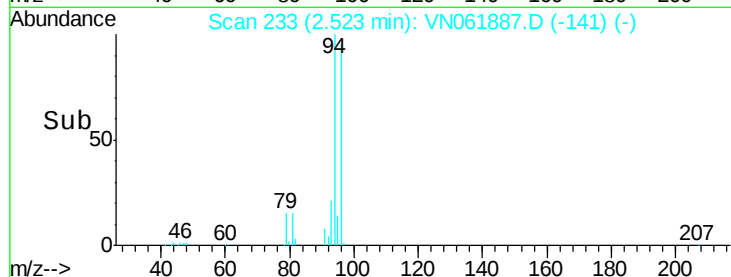
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 54.648 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061887.D

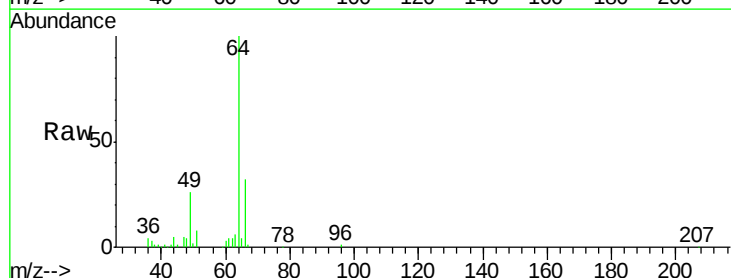
Acq: 18 Jun 2020 7:29

Tgt Ion: 64 Resp: 92669

Ion Ratio Lower Upper

64 100

66 32.5 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

50000

40000

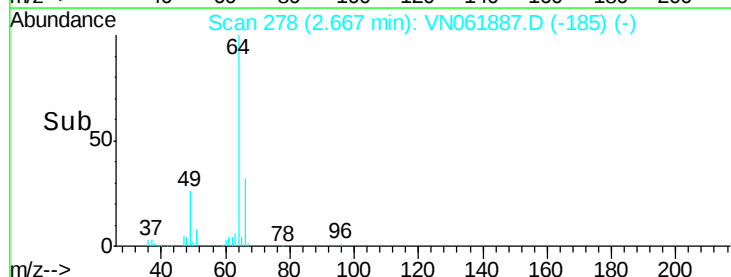
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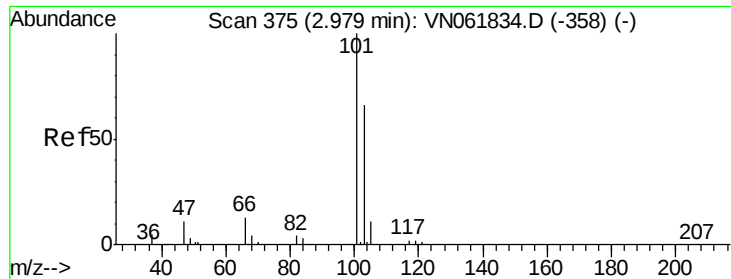
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Time-->





#7

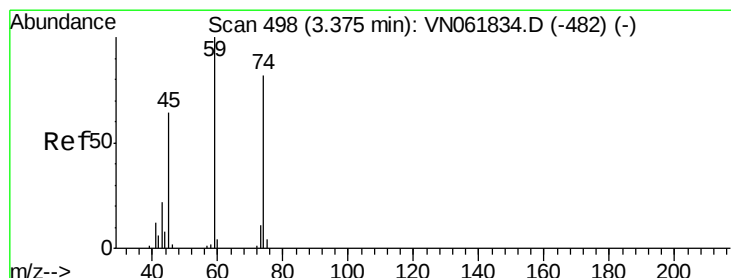
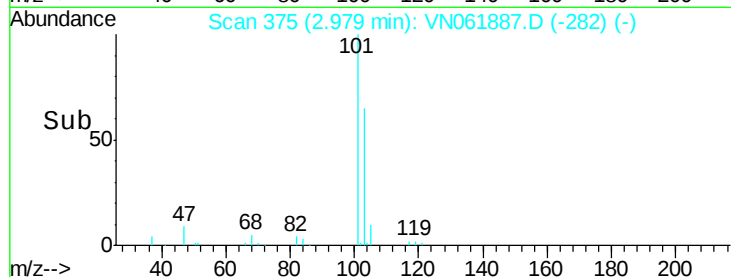
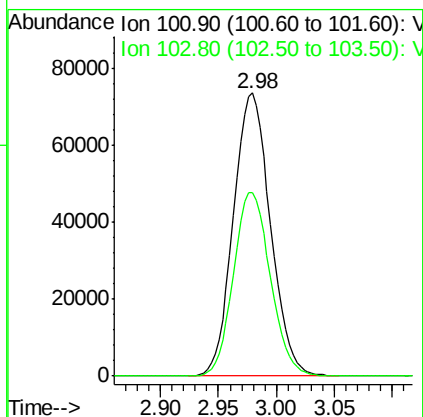
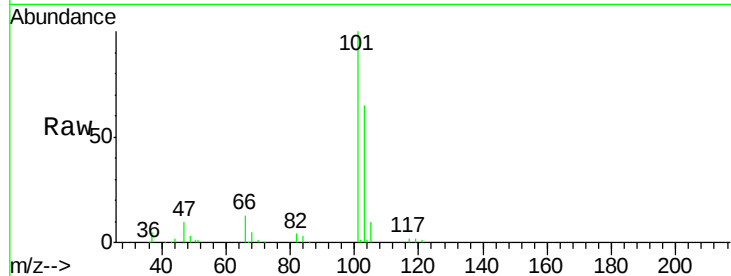
Trichlorofluoromethane
 Concen: 54.705 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
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 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.8	79.2

Manual Integrations
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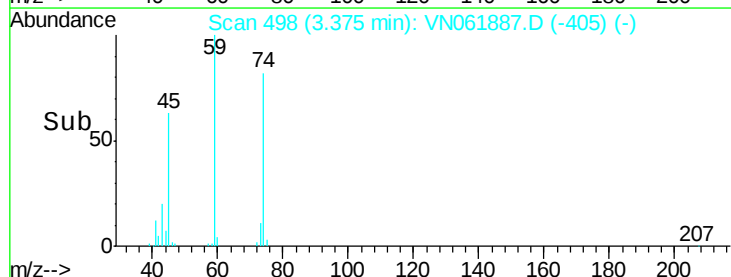
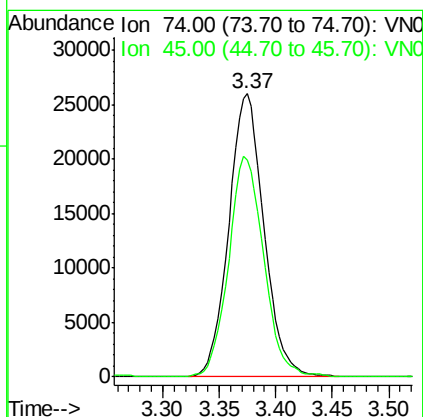
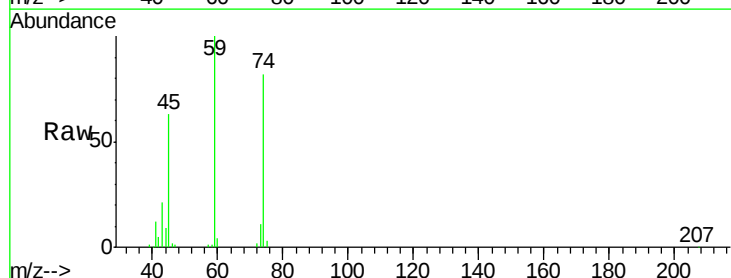
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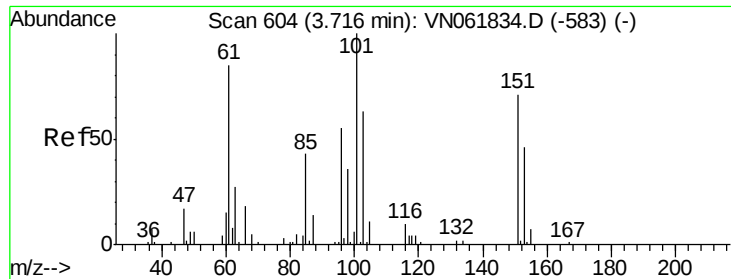


#8

Diethyl Ether
 Concen: 55.832 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.1	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.878 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

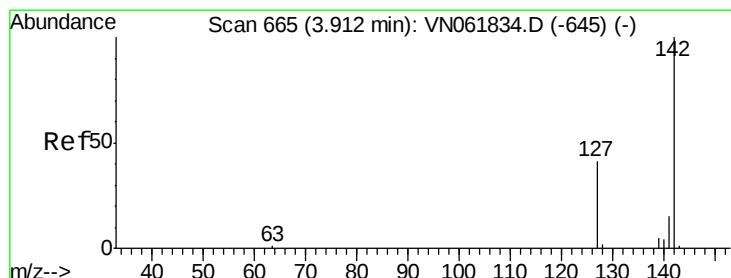
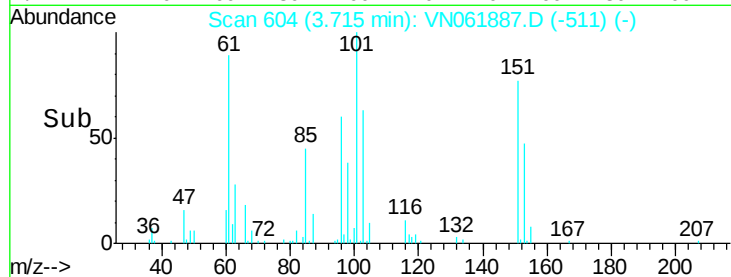
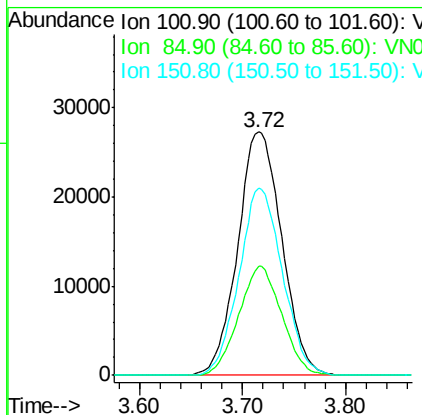
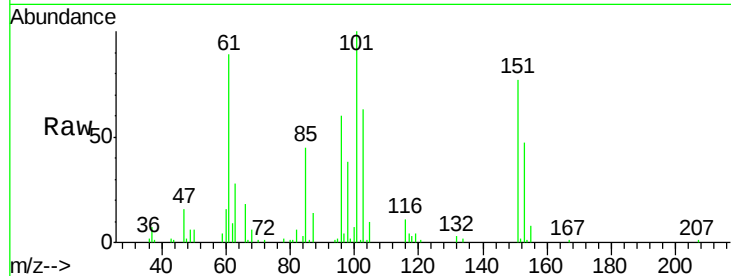
ClientSampleId :

RE117D1-20200611MSD

Tot Ion:	101	Resp:	81190
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.0	52.6
151	75.8	59.2	88.8

Manual Integrations
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6/18/2020 9:37:09 AM



#10

Methyl Iodide

Concen: 56.755 ug/l

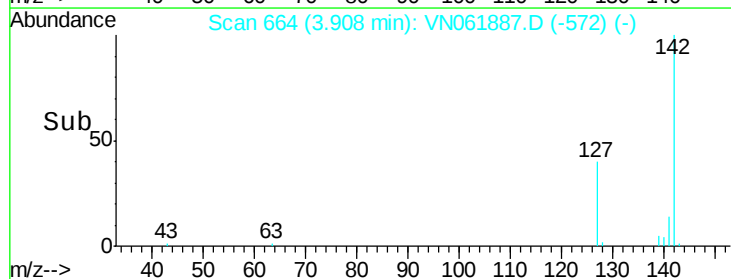
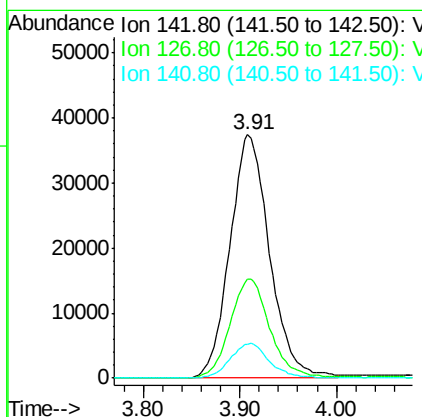
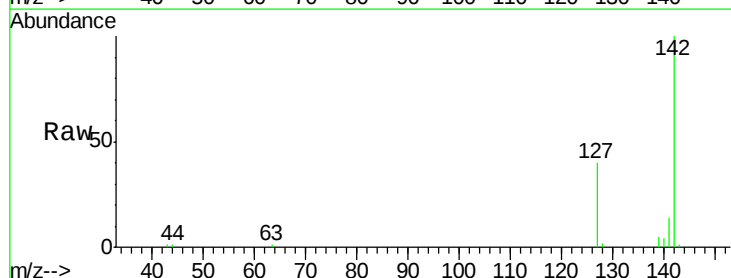
RT: 3.91 min Scan# 664

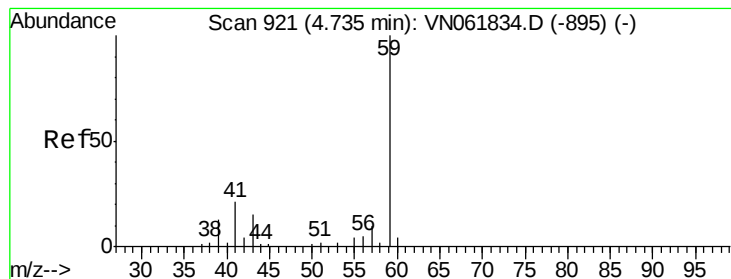
Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Tgt Ion:	142	Resp:	106662
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.4	50.0
141	13.9	11.3	16.9





#11

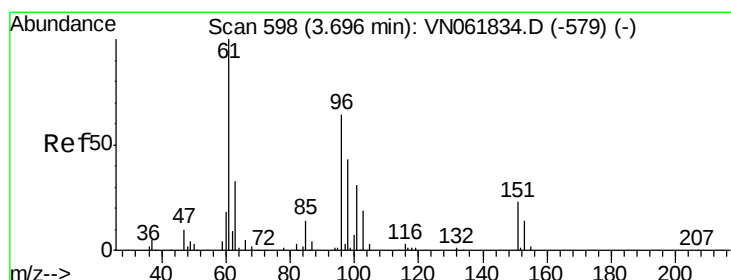
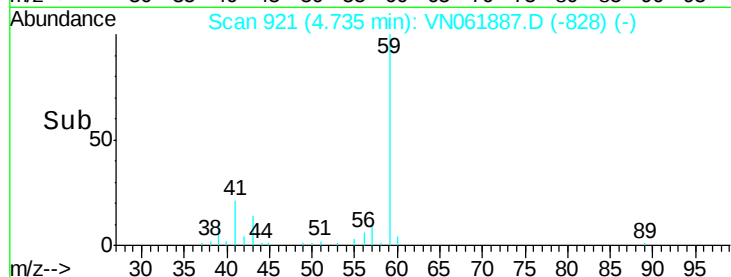
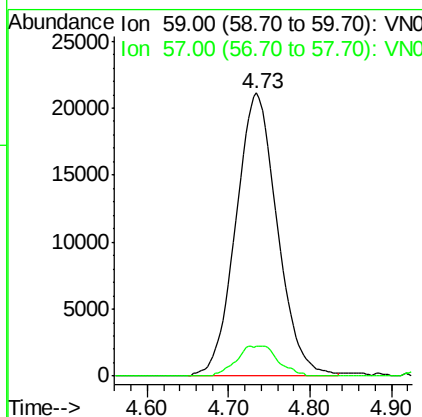
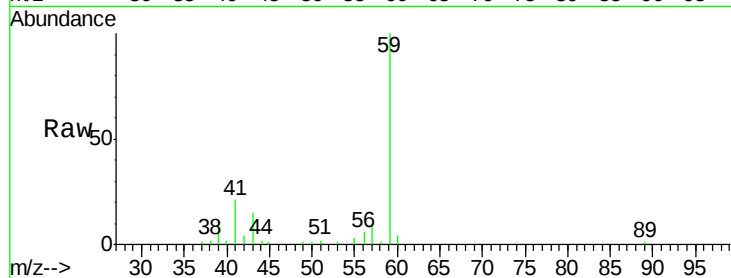
Tert butyl alcohol
 Concen: 265.082 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	7.7	11.5#

Manual Integrations
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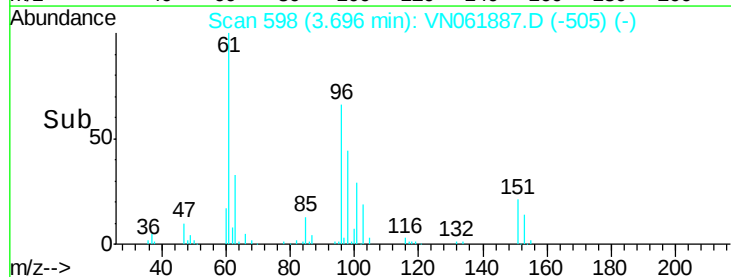
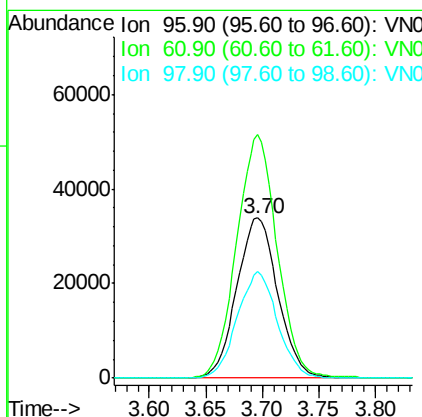
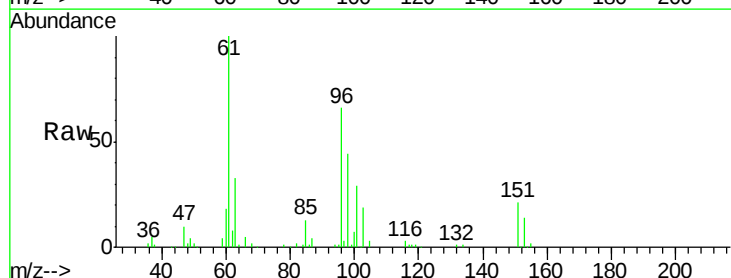
MMDadoda
 6/18/2020 9:37:09 AM

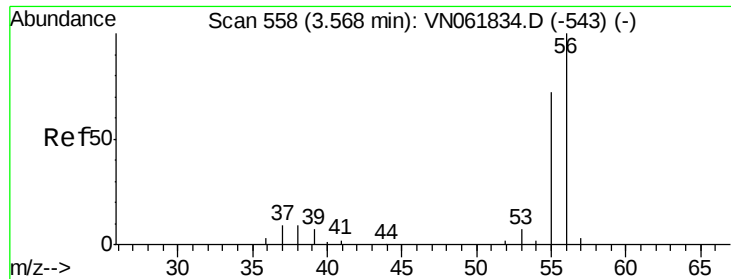


#12

1,1-Dichloroethene
 Concen: 55.733 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	124.3	186.5
98	66.7	53.1	79.7





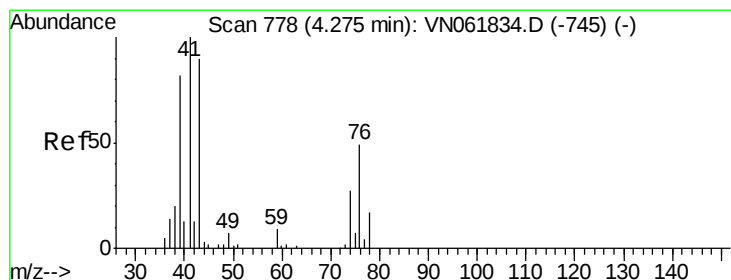
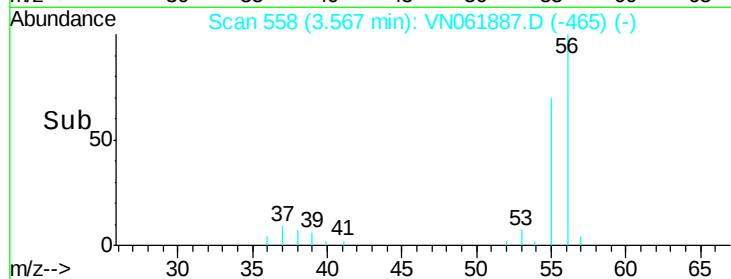
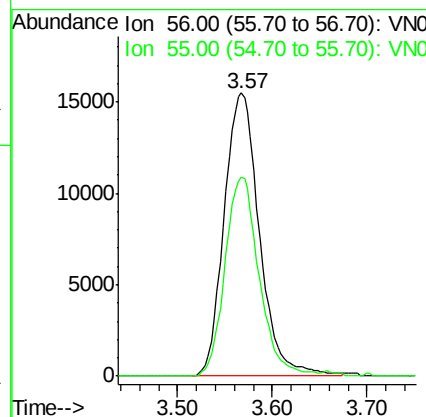
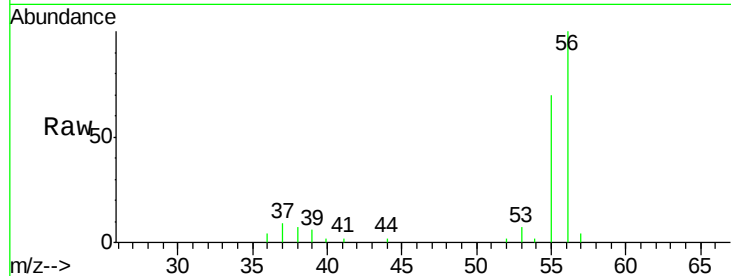
#13
Acrolein
Concen: 238.909 ug/l
RT: 3.57 min Scan# 558
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	67.8	56.2	84.4	

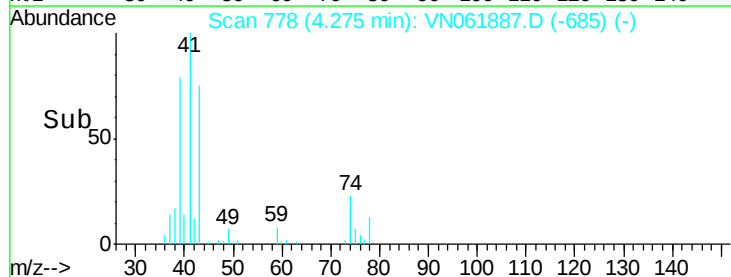
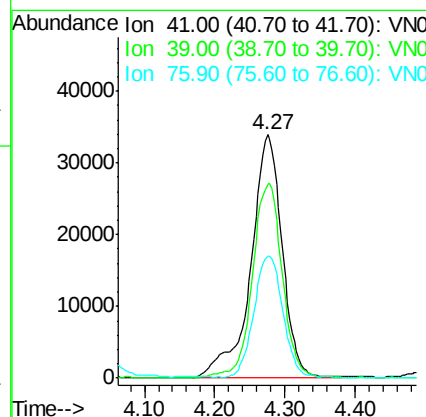
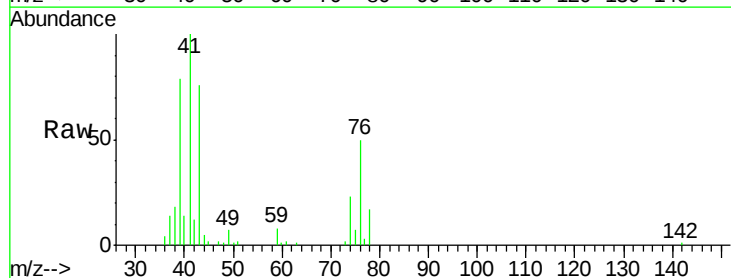
Manual Integrations
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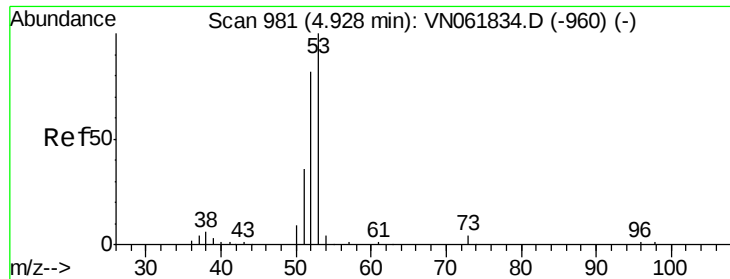
MMDadoda
6/18/2020 9:37:09 AM



#14
Allyl chloride
Concen: 51.795 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	75.5	60.2	90.2	
76	46.2	36.3	54.5	





#15

Acrylonitrile

Concen: 273.340 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

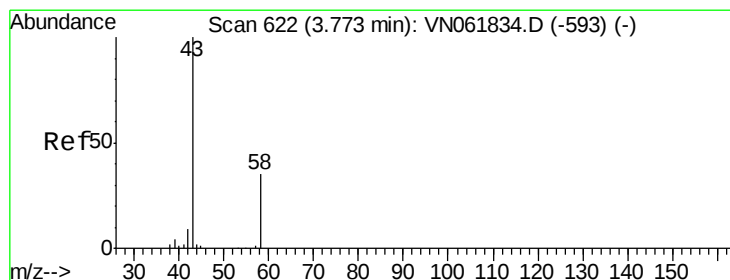
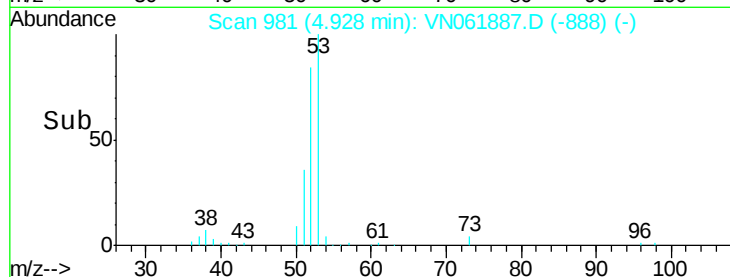
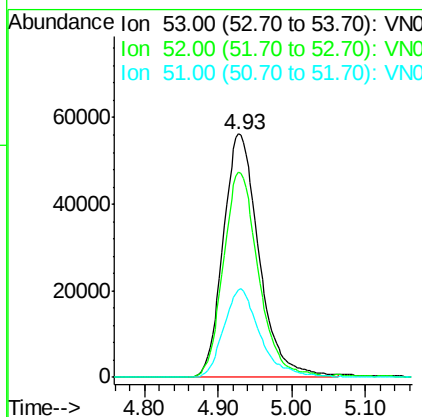
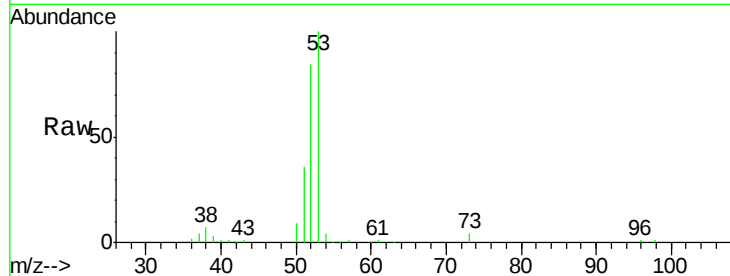
ClientSampleId :

RE117D1-20200611MSD

Tot Ion:	53	Resp:	190329
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.2	97.8
51	36.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 259.871 ug/l

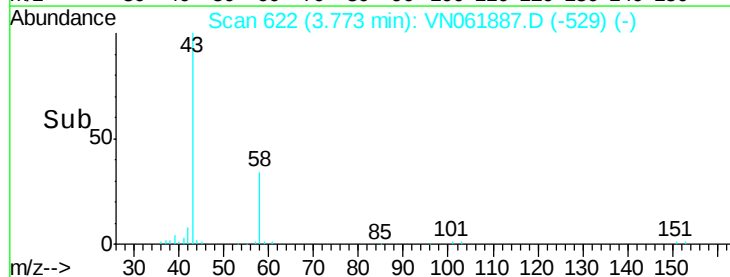
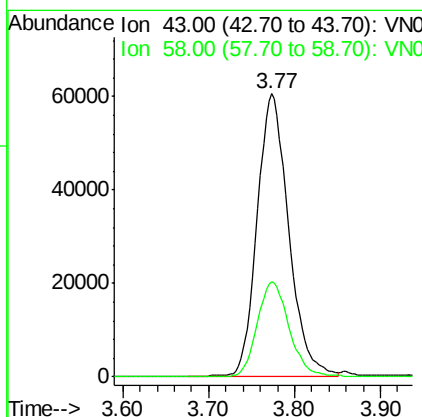
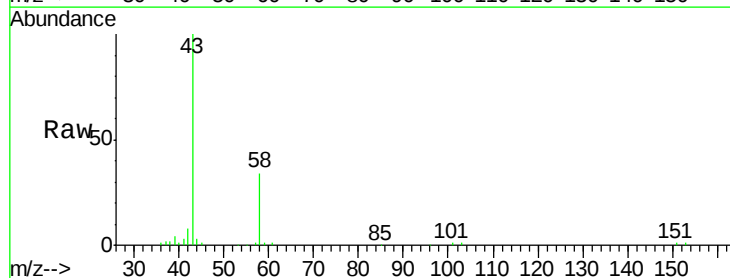
RT: 3.77 min Scan# 622

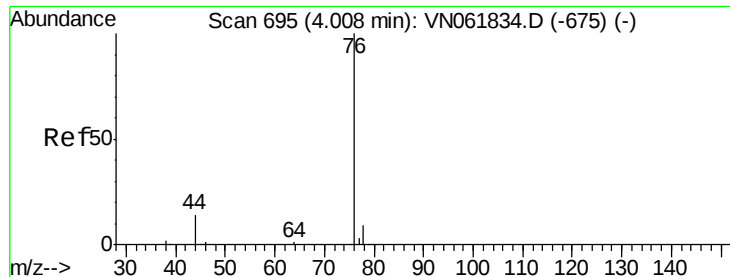
Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Tgt Ion:	43	Resp:	155883
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.8	41.8





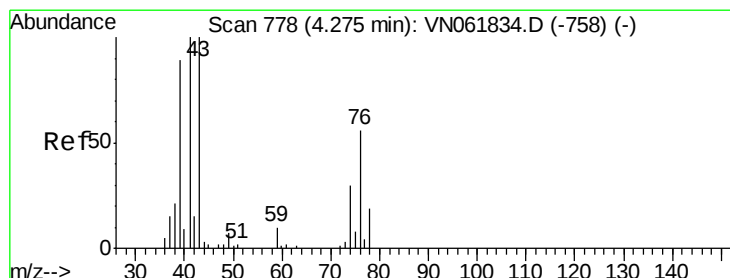
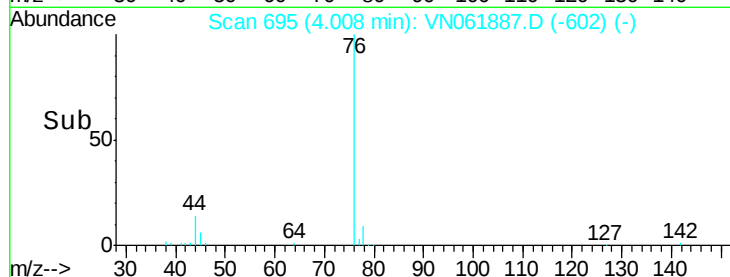
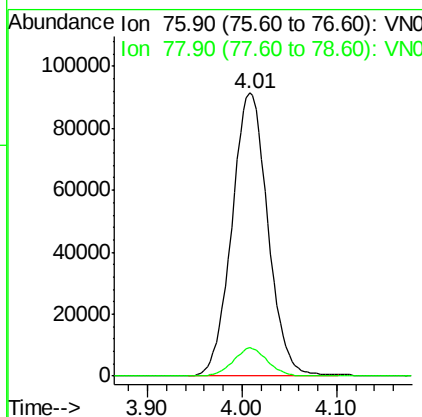
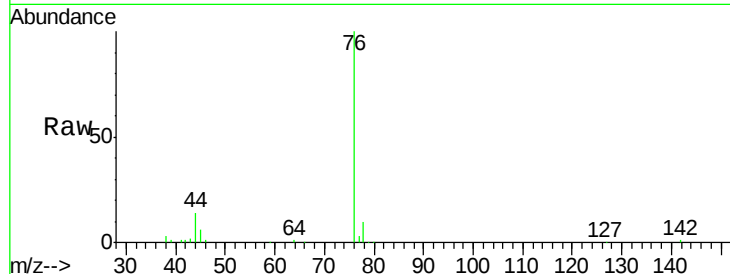
#17
Carbon Disulfide
Concen: 53.642 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.3	10.9

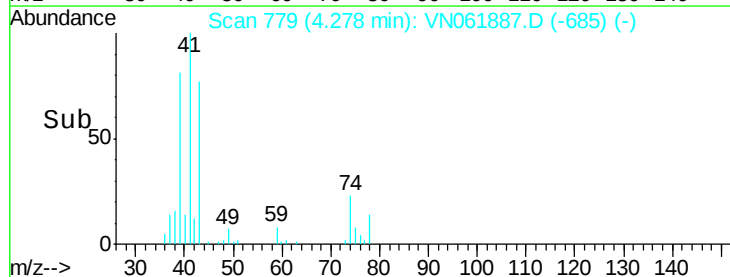
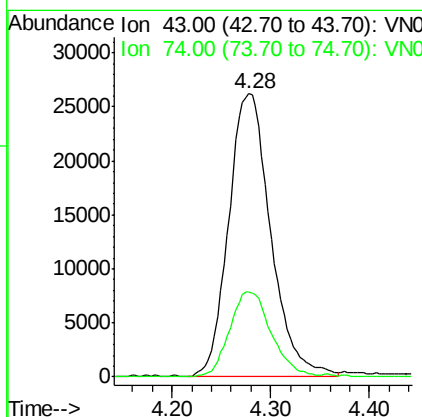
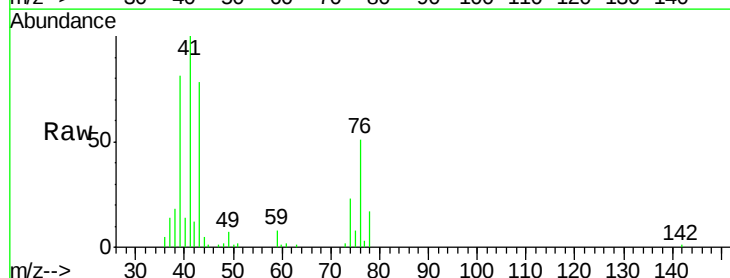
Manual Integrations
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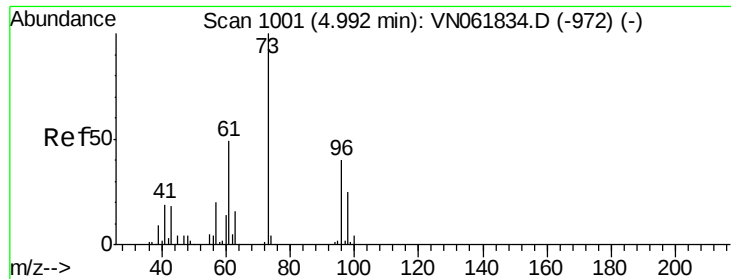
MMDadoda
6/18/2020 9:37:09 AM



#18
Methyl Acetate
Concen: 45.076 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.8	23.0	34.4





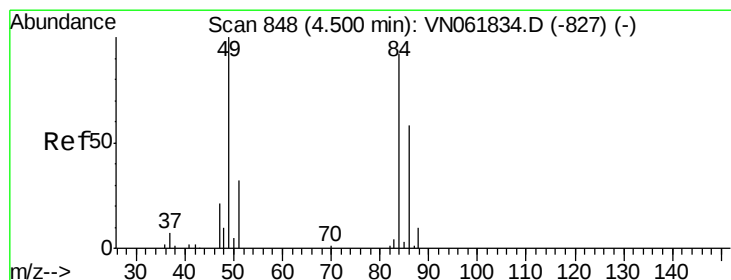
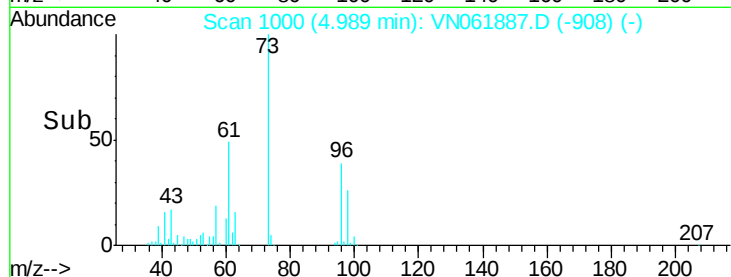
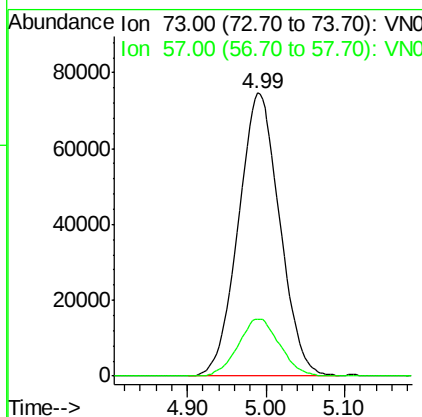
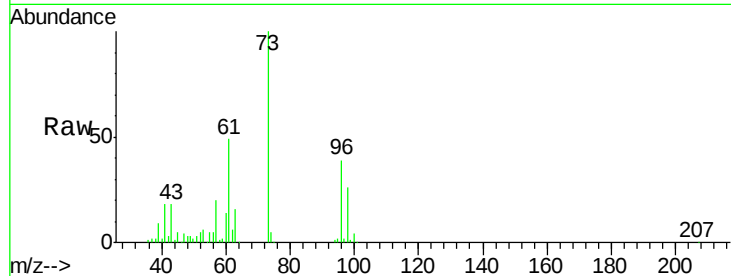
#19
Methvl tert-butvl Ether
Concen: 53.768 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion: 73 Resp: 275427
Ion Ratio Lower Upper
73 100
57 20.0 16.2 24.4

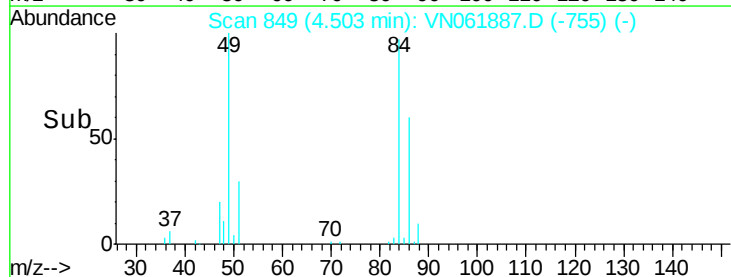
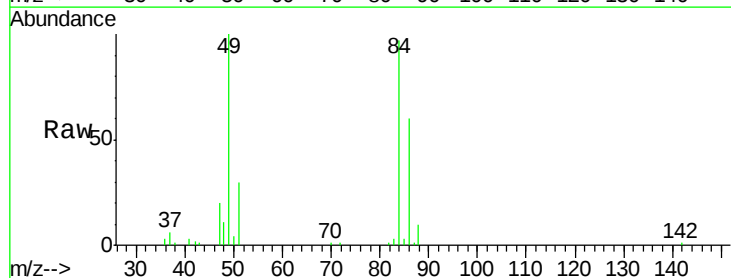
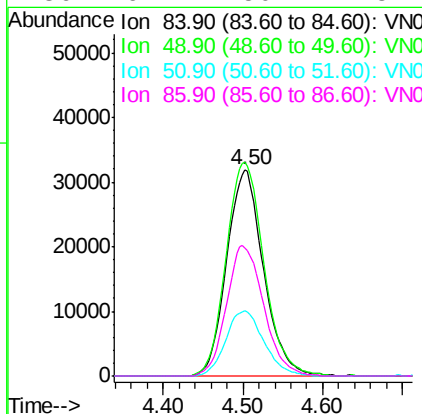
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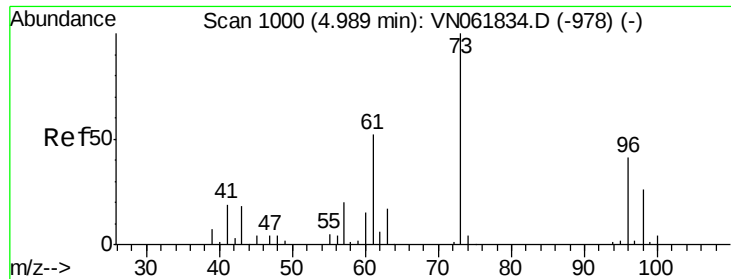
MMDadoda
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#20
Methylene Chloride
Concen: 51.064 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion: 84 Resp: 99795
Ion Ratio Lower Upper
84 100
49 103.6 87.0 130.4
51 31.6 27.8 41.6
86 62.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 54.201 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

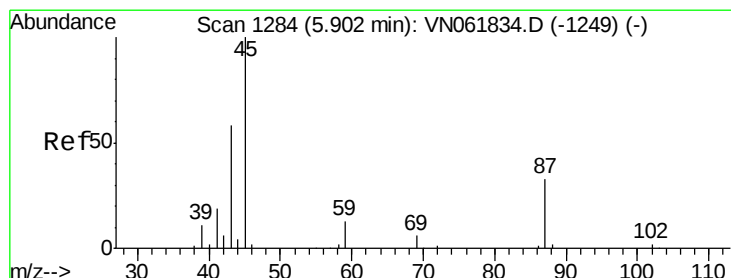
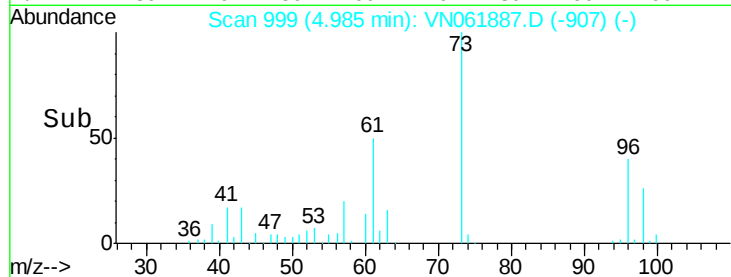
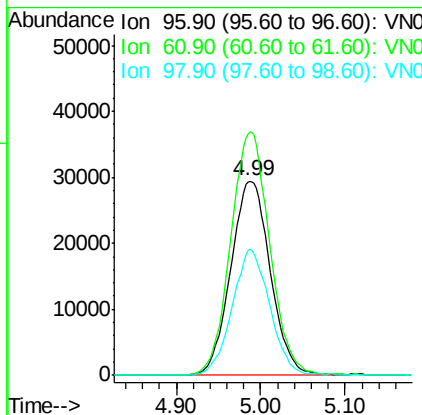
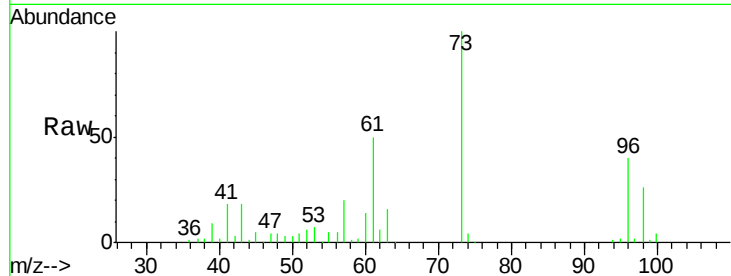
ClientSampleId :

RE117D1-20200611MSD

Tot Ion:	96	Resp:	95781
Ion	Ratio	Lower	Upper
96	100		
61	124.6	102.2	153.4
98	64.9	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.170 ug/l

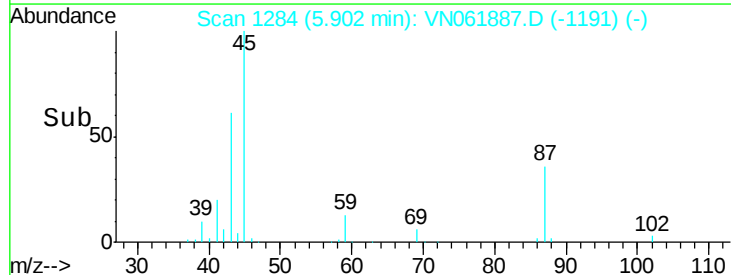
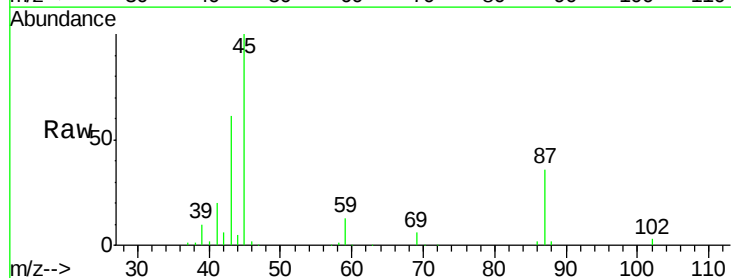
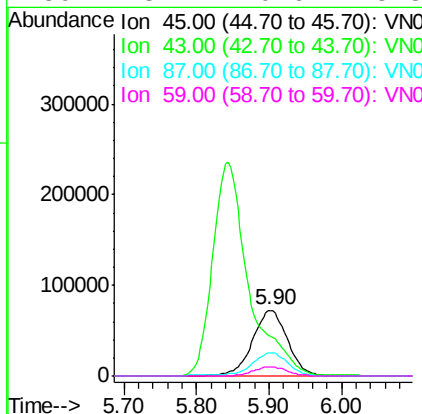
RT: 5.90 min Scan# 1284

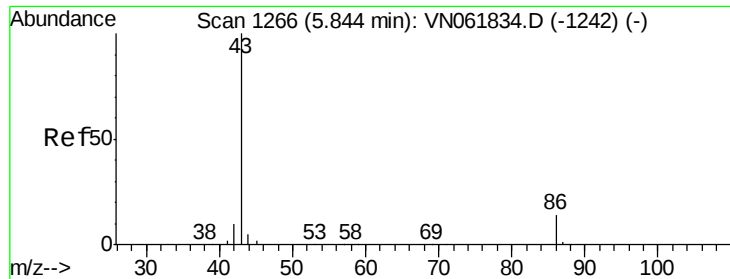
Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Tgt Ion:	45	Resp:	243629
Ion	Ratio	Lower	Upper
45	100		
43	59.3	49.4	74.2
87	35.9	27.4	41.0
59	13.4	10.6	15.8





#23

Vinyl Acetate

Concen: 222.467 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611MSD

Tot Ion: 43 Resp: 817108

Ion Ratio Lower Upper

43 100

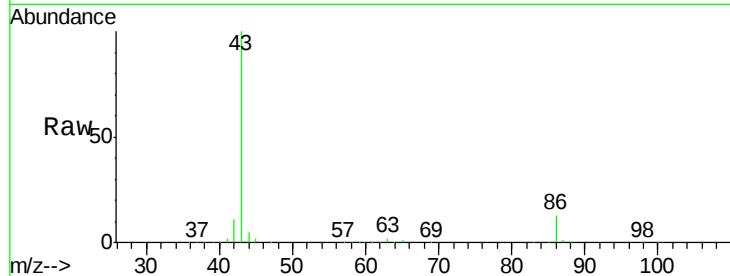
86 13.4 10.9 16.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN061887.D (-1173) (-)

Ion 86.00 (85.70 to 86.70): VN061887.D (-1173) (-)

5.84

250000

200000

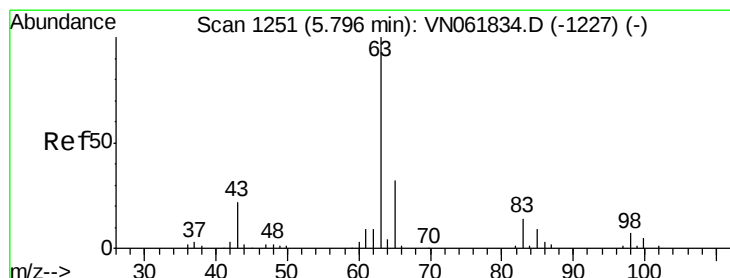
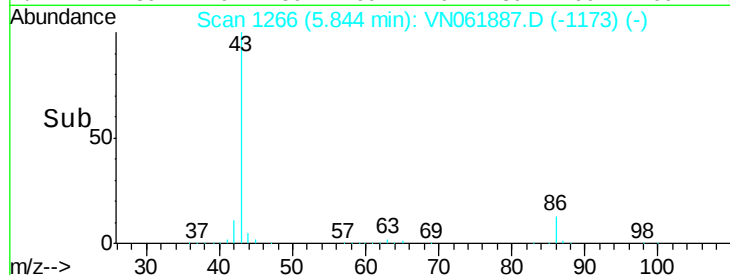
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.717 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

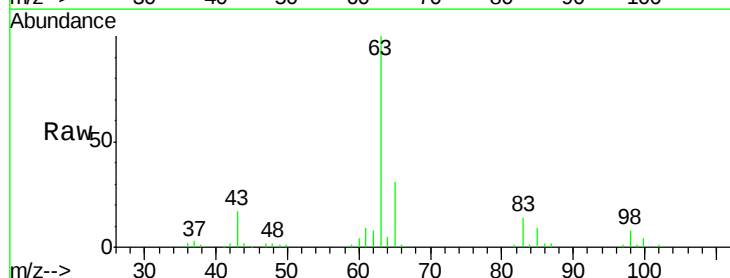
Tgt Ion: 63 Resp: 161158

Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.4

100 4.3 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VN061887.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061887.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061887.D (-1158) (-)

5.80

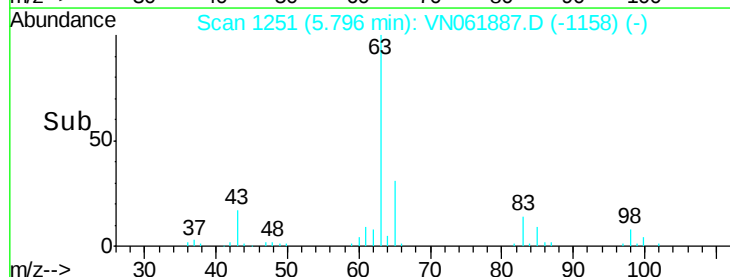
60000

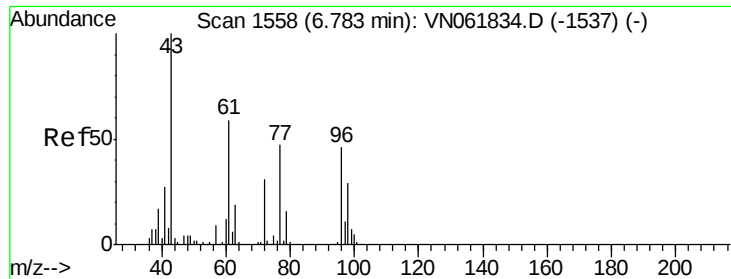
40000

20000

0

Time-->





#25

2-Butanone

Concen: 270.000 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611MSD

Tot Ion: 43 Resp: 236298

Ion Ratio Lower Upper

43 100

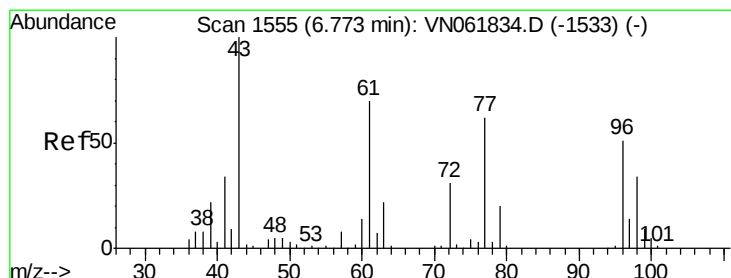
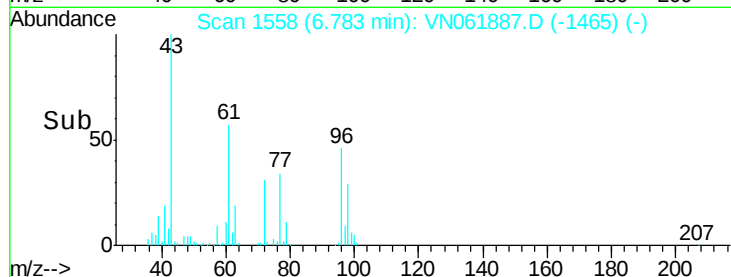
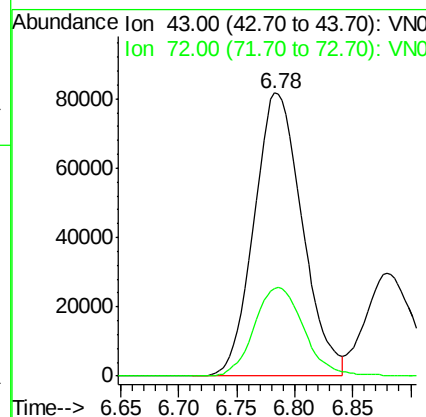
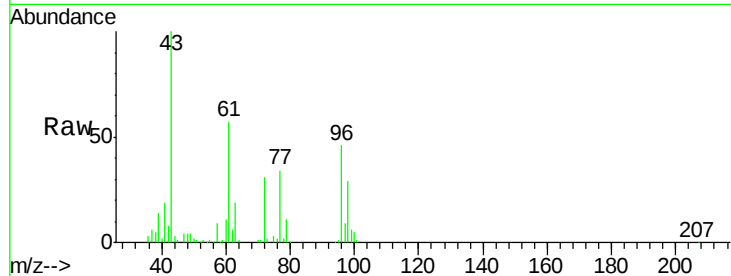
72 31.2 24.6 37.0

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#26

2,2-Dichloropropane

Concen: 36.544 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061887.D

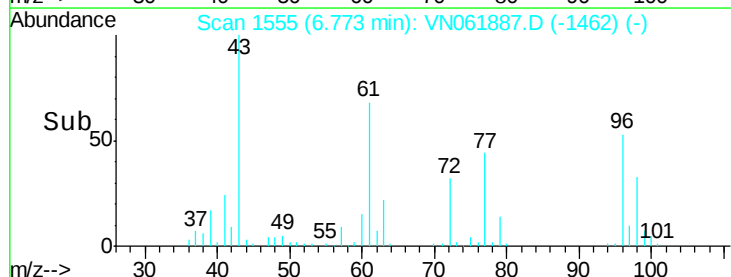
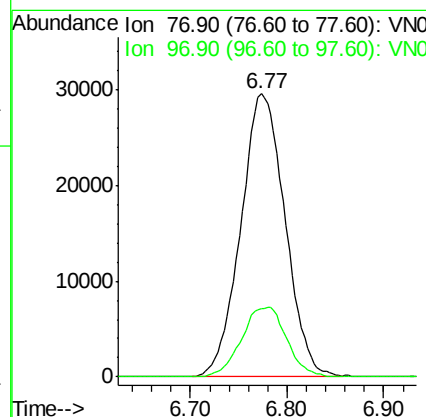
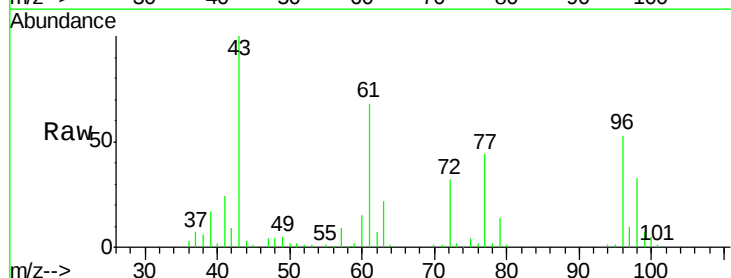
Acq: 18 Jun 2020 7:29

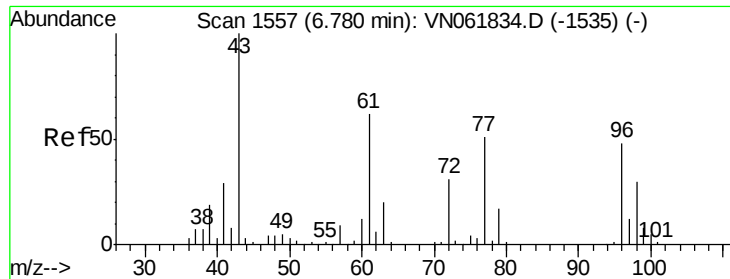
Tgt Ion: 77 Resp: 93990

Ion Ratio Lower Upper

77 100

97 25.0 11.7 35.0





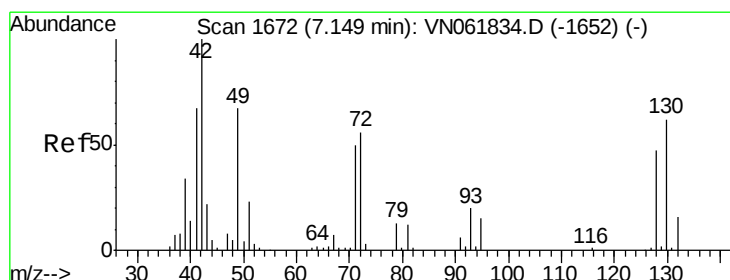
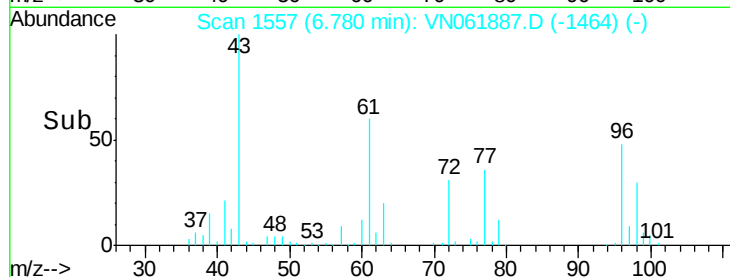
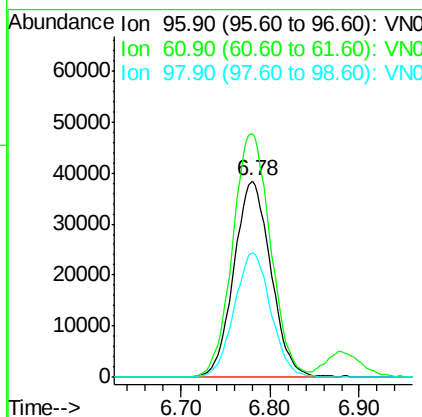
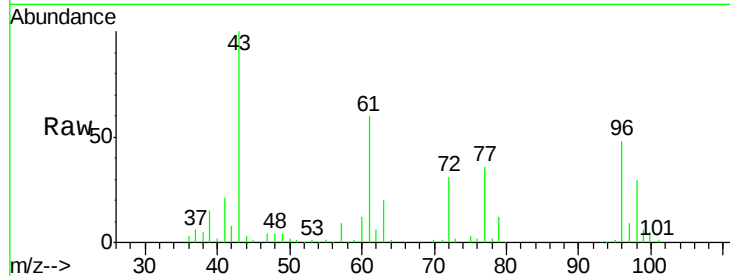
#27
 cis-1,2-Dichloroethene
 Concen: 54.294 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	126.6	0.0	265.6	
98	62.4	0.0	128.2	

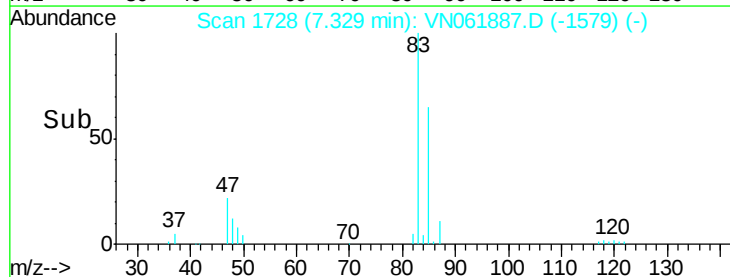
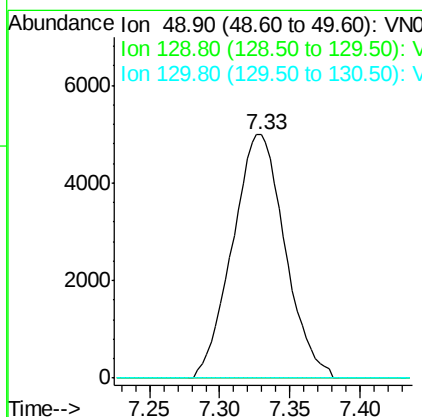
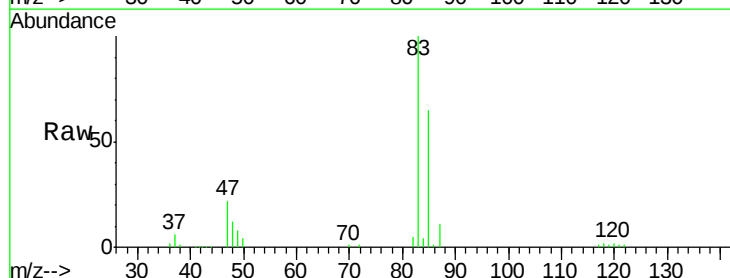
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#28
 Bromochloromethane
 Concen: 9.541 ug/l
 RT: 7.33 min Scan# 1728
 Delta R.T. 0.18 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	4.0	
130	0.0	72.2	108.2	





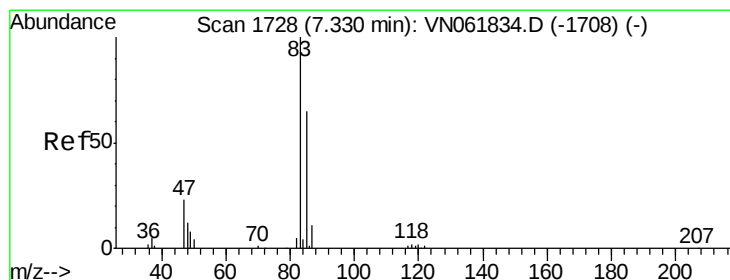
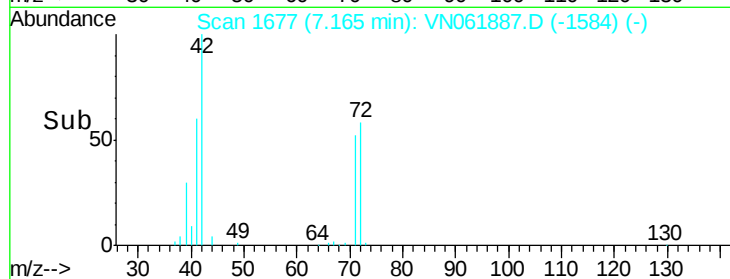
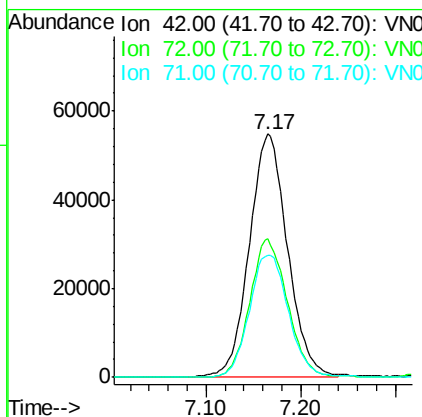
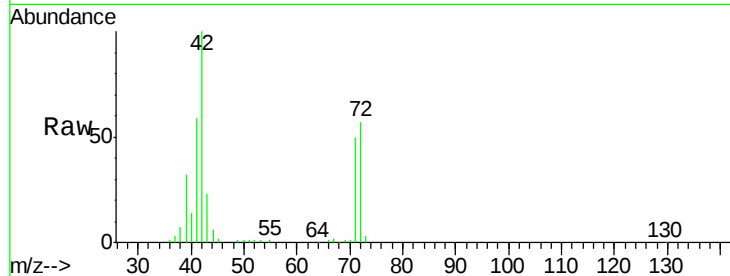
#29
Tetrahydrofuran
Concen: 267.469 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.6	44.0	66.0
71	51.6	40.0	60.0

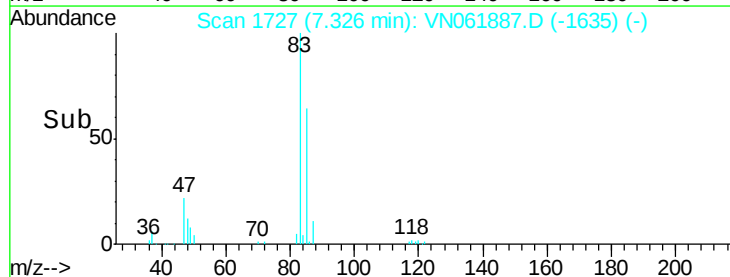
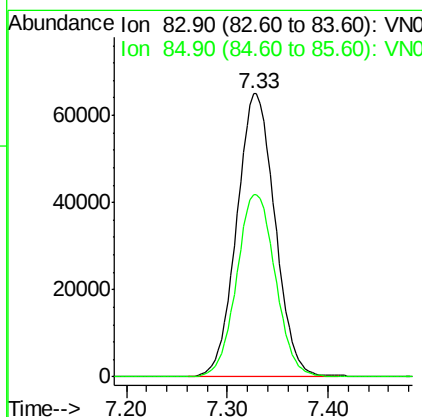
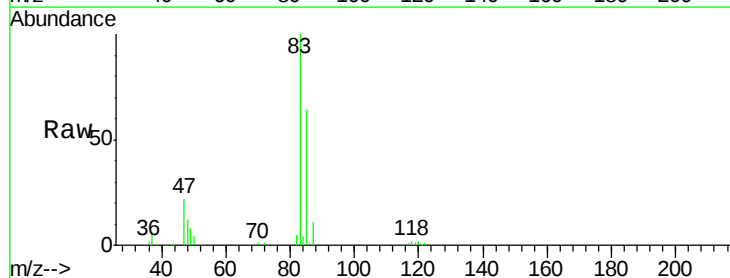
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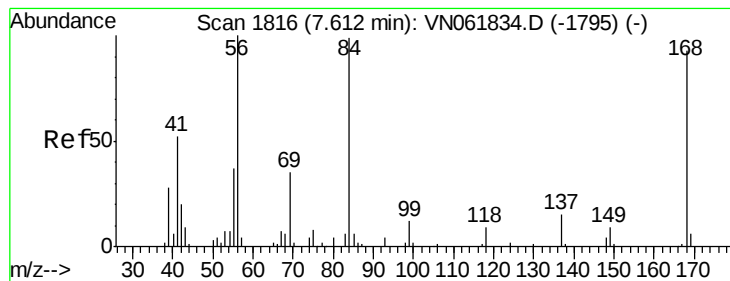
MMDadoda
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#30
Chloroform
Concen: 52.200 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.0	78.0





#31

Cyclohexane

Concen: 49.876 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611MSD

Tot Ion: 56 Resp: 133476

Ion Ratio Lower Upper

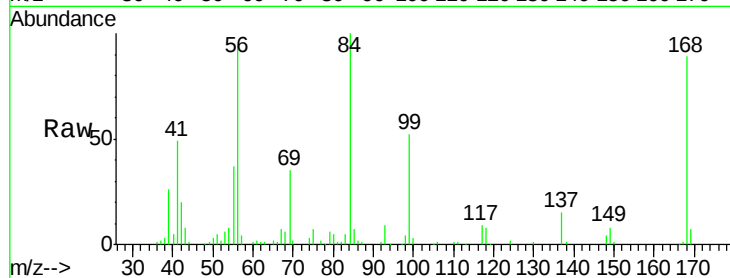
56 100

69 36.7 27.7 41.5

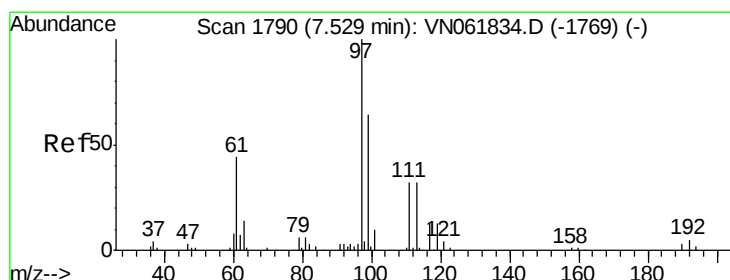
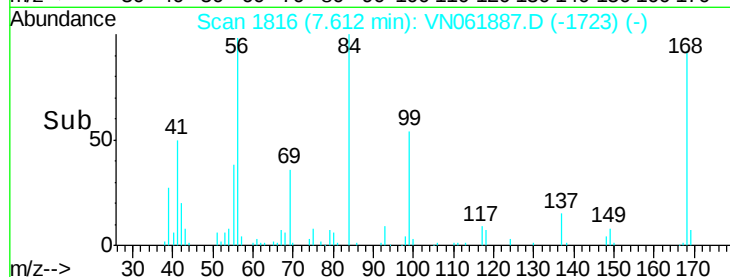
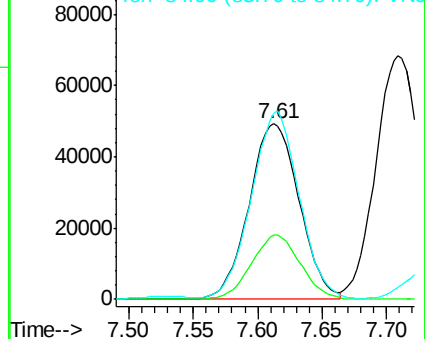
84 104.9 79.1 118.7

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



#32

1,1,1-Trichloroethane

Concen: 53.242 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

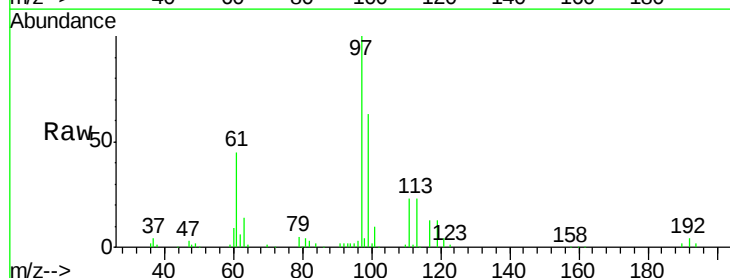
Tgt Ion: 97 Resp: 148143

Ion Ratio Lower Upper

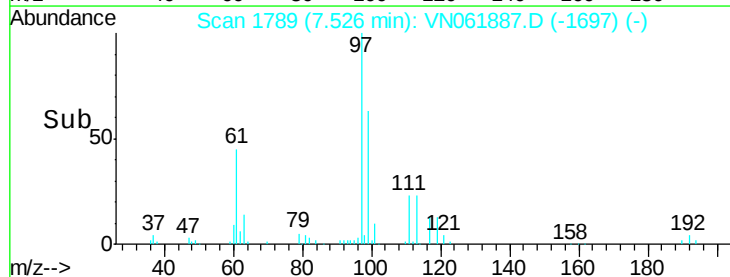
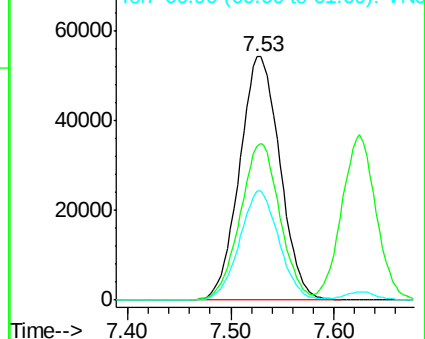
97 100

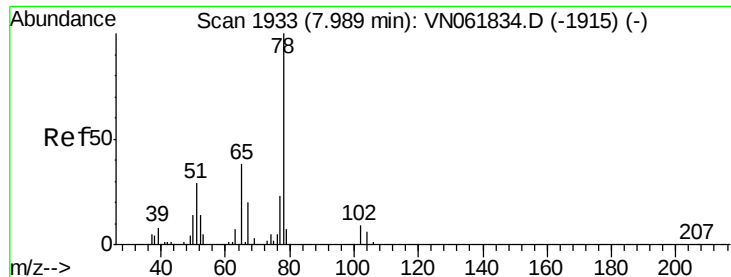
99 63.1 51.5 77.3

61 43.7 35.1 52.7



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





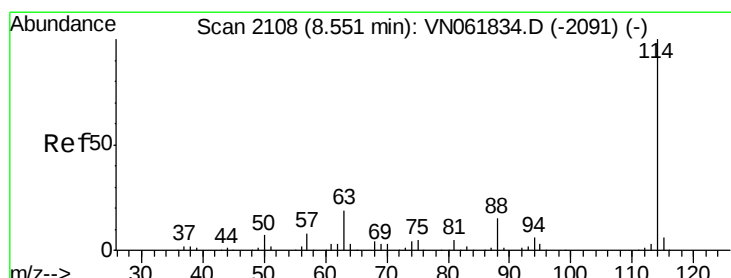
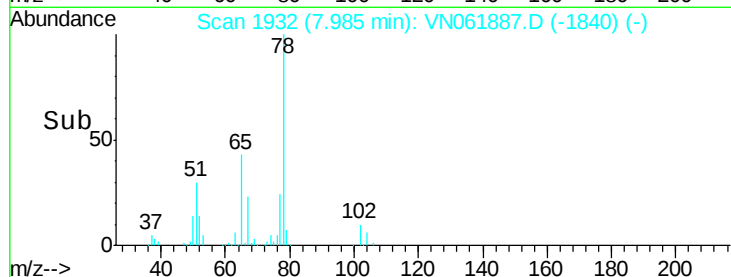
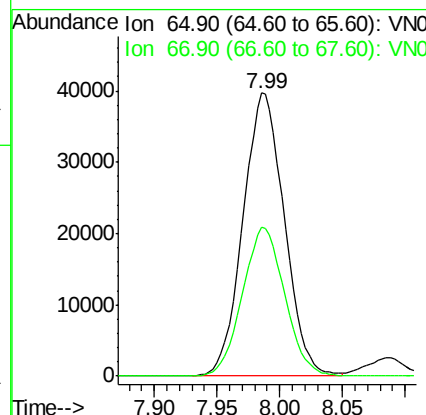
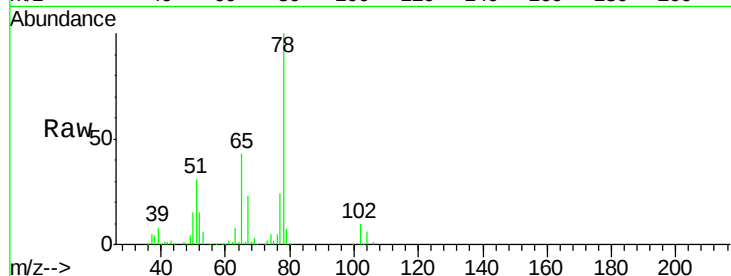
#33
 1,2-Dichloroethane-d4
 Concen: 44.898 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	106.2	

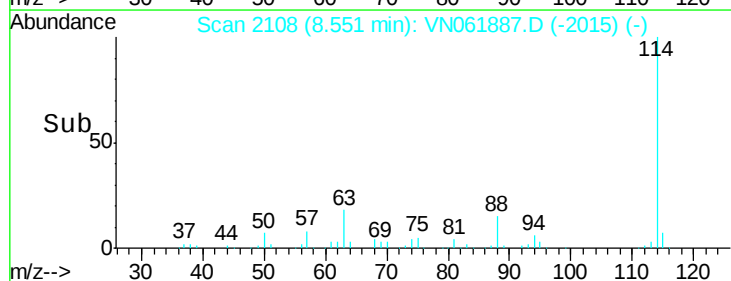
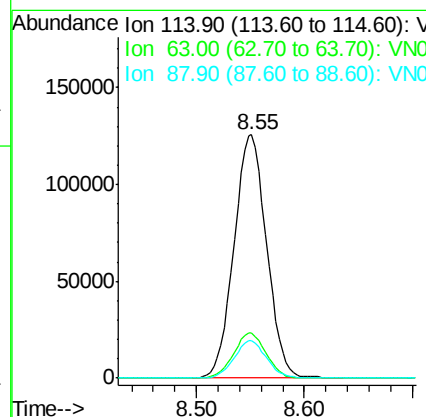
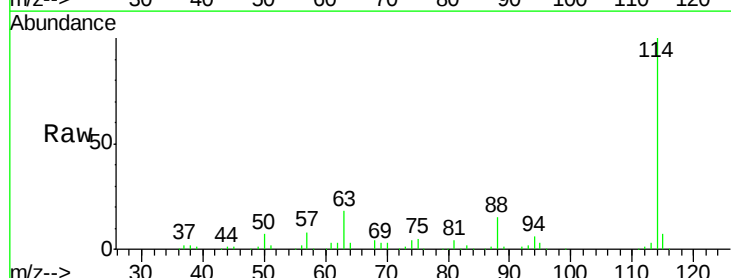
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	37.6	
88	15.3	0.0	31.0	





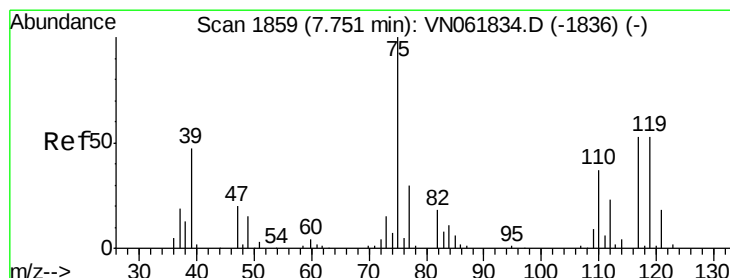
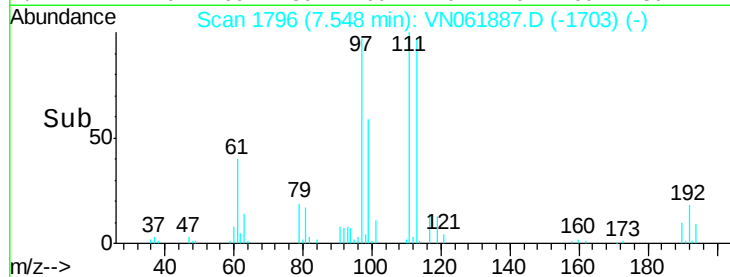
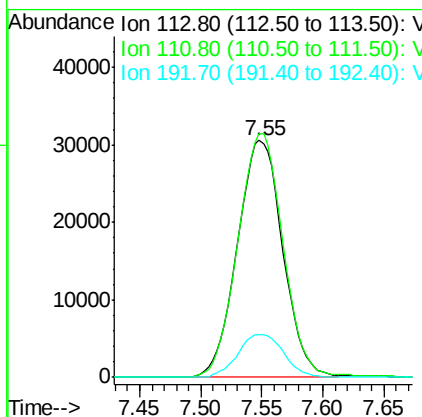
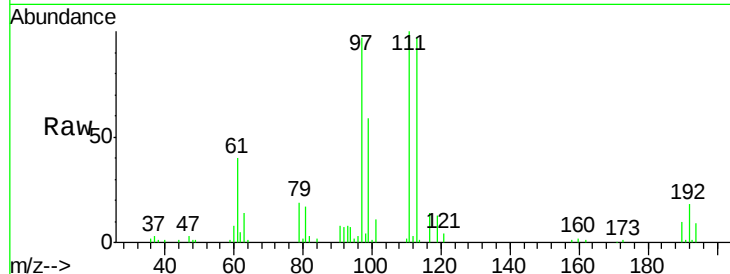
#35
Dibromofluoromethane
Concen: 46.589 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	83.7	125.5	
192	18.2	13.9	20.9	

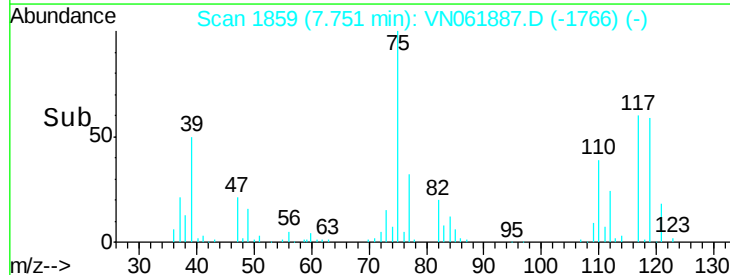
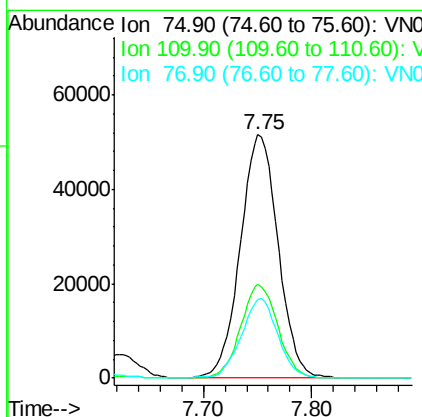
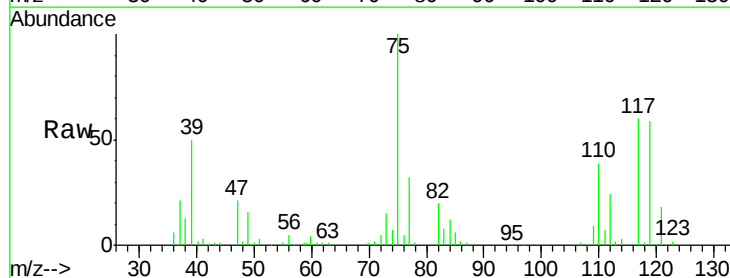
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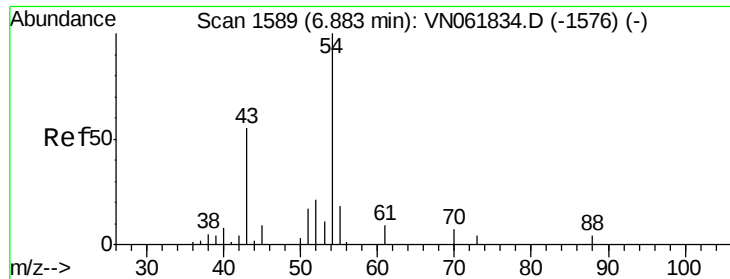
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#36
1,1-Dichloropropene
Concen: 52.142 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	18.2	54.6	
77	31.6	24.2	36.4	





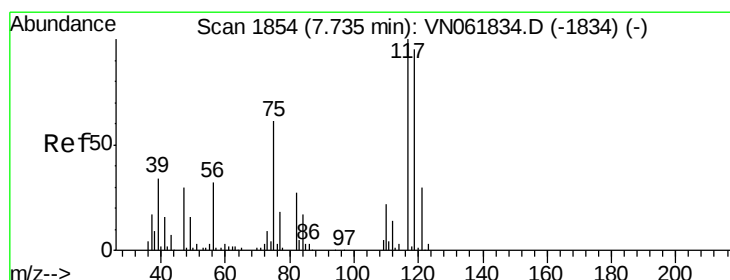
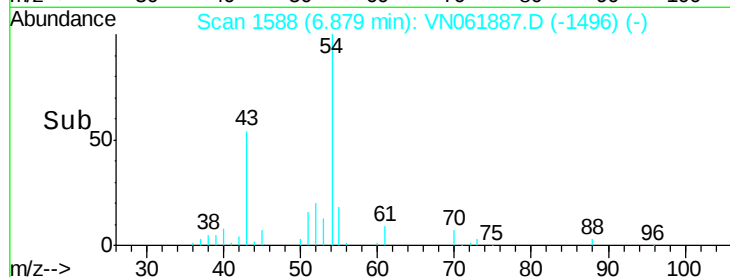
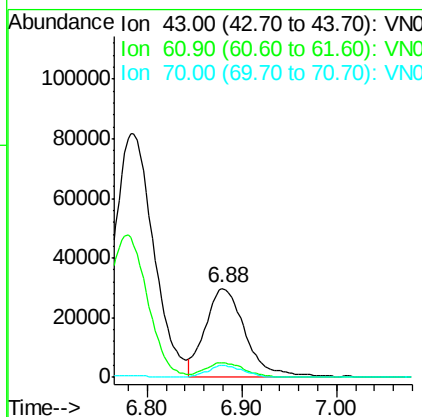
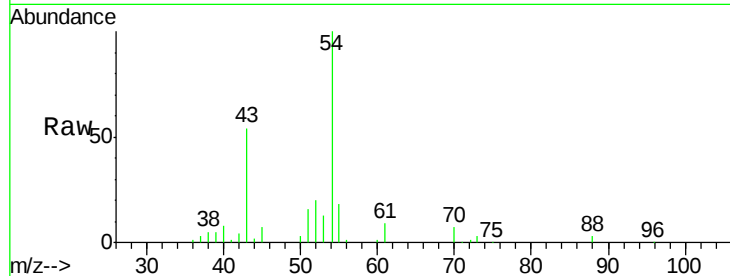
#37
Ethyl Acetate
Concen: 45.824 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.0	19.4
70	12.3	9.4	14.2

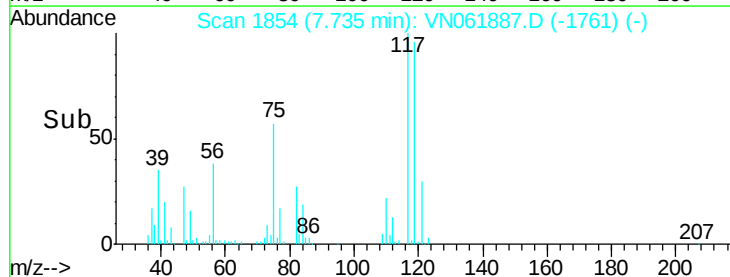
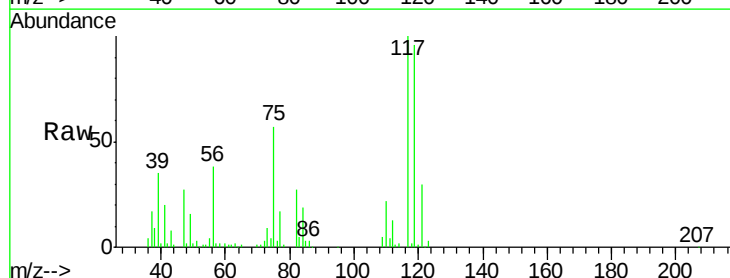
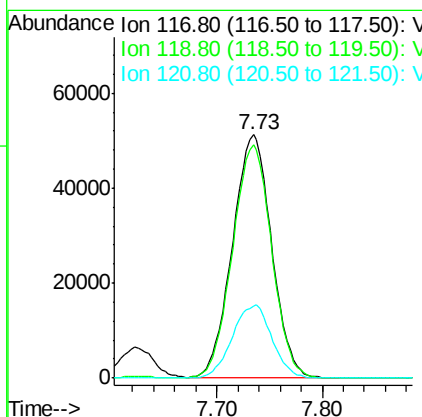
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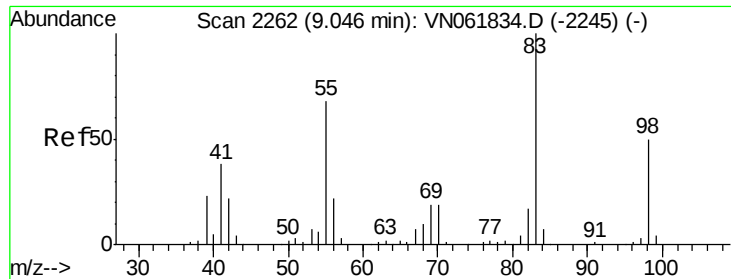
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#38
Carbon Tetrachloride
Concen: 55.373 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.8	113.6
121	29.7	23.8	35.6





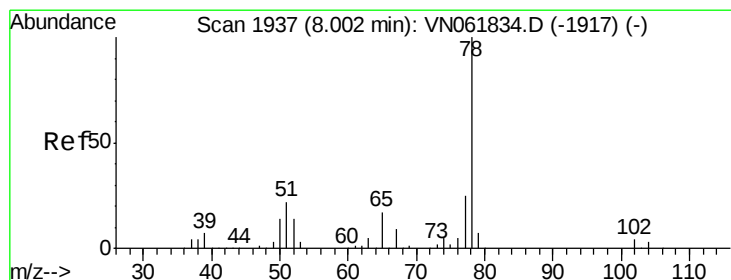
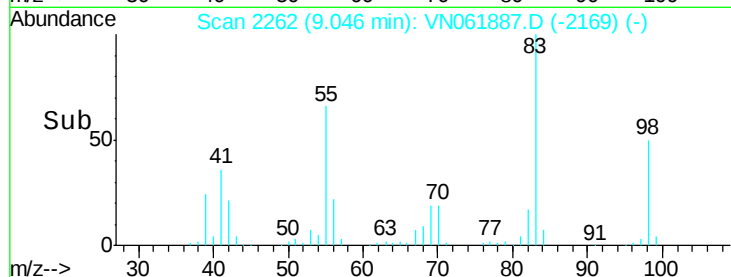
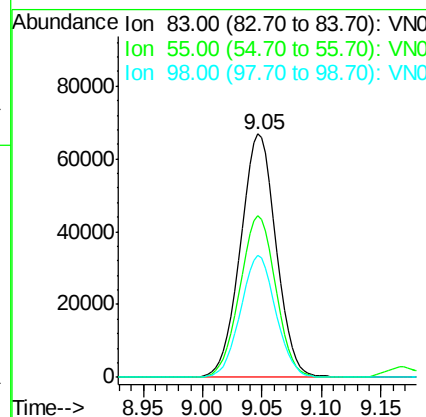
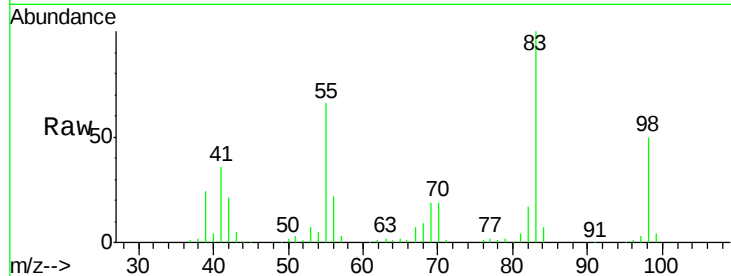
#39
Methvlcvclohexane
Concen: 53.383 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.2	54.2	81.4
98	49.9	39.8	59.6

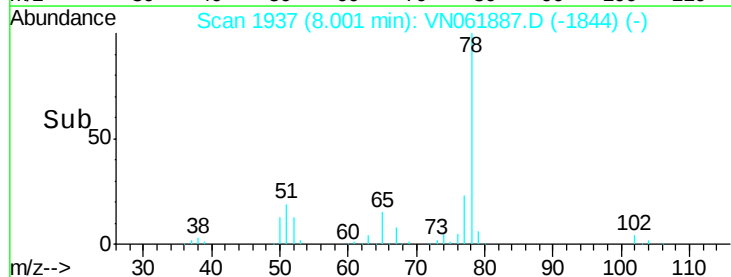
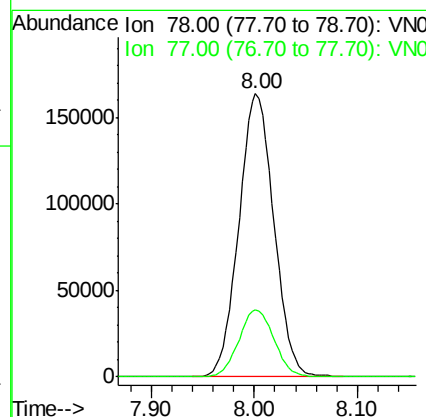
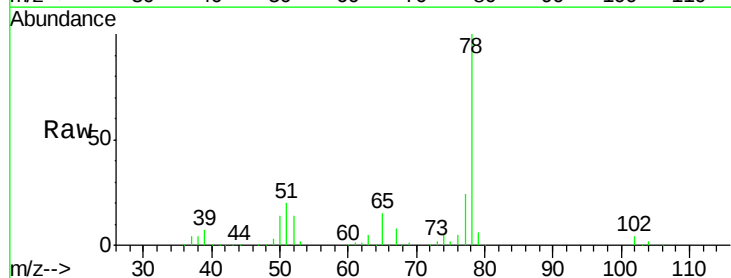
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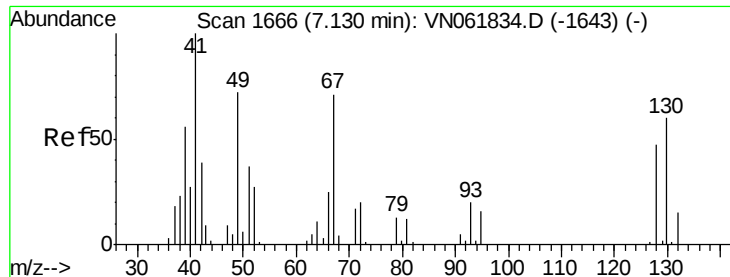
MMDadoda
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#40
Benzene
Concen: 52.798 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.7	29.5





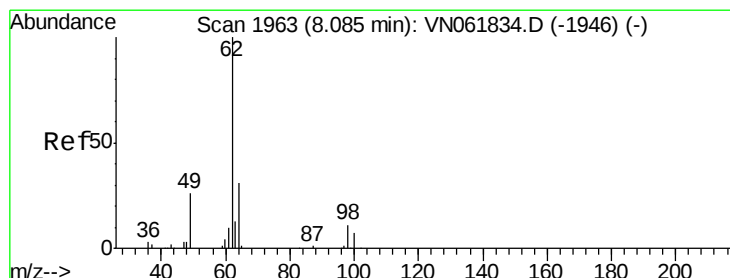
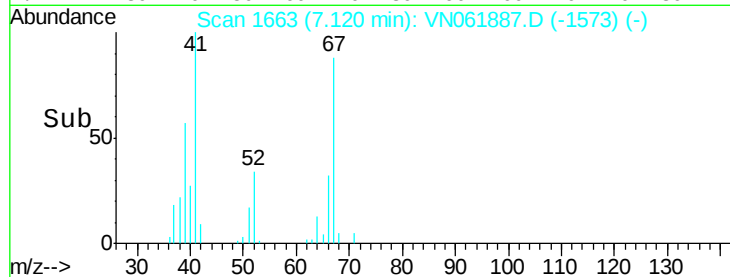
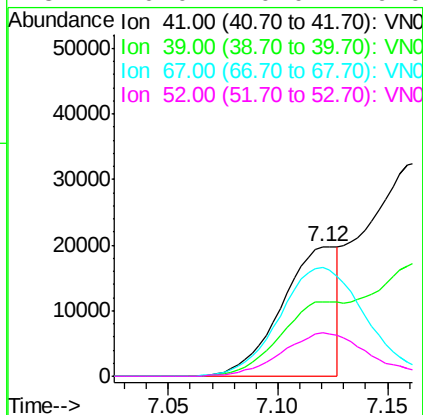
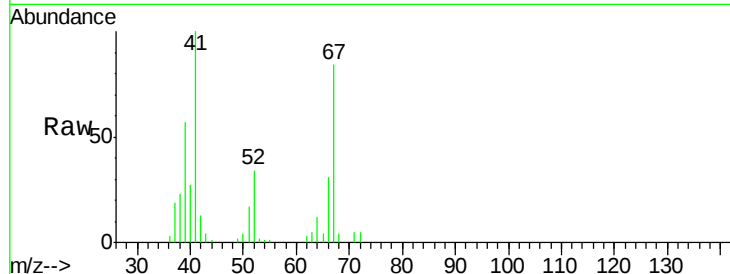
#41
Methacrylonitrile
Concen: 43.361 ug/l m
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

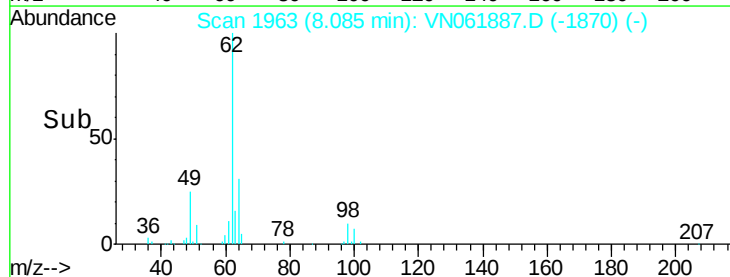
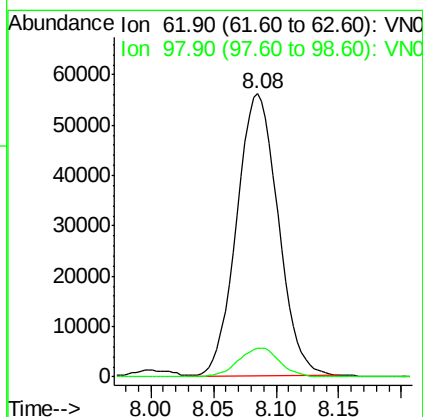
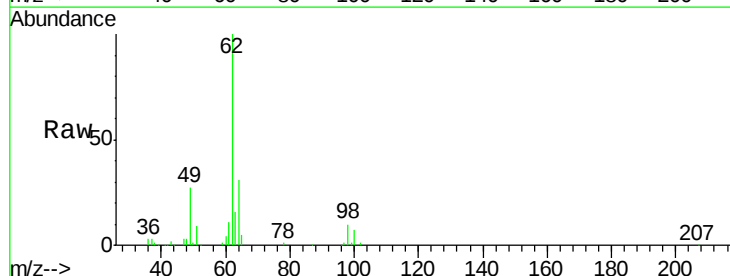
Manual Integrations
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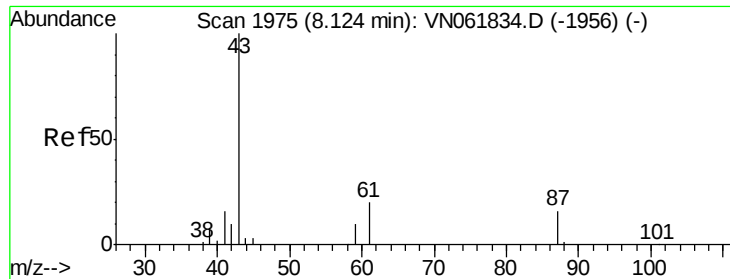
MMDadoda
6/18/2020 9:37:09 AM



#42
1,2-Dichloroethane
Concen: 51.859 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





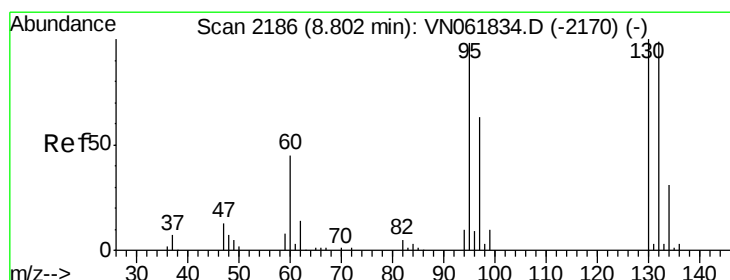
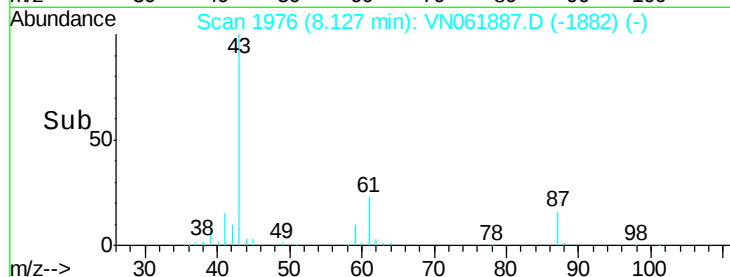
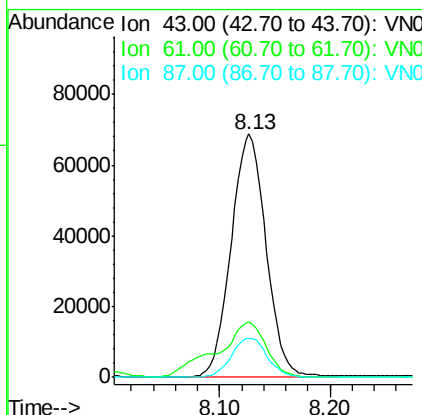
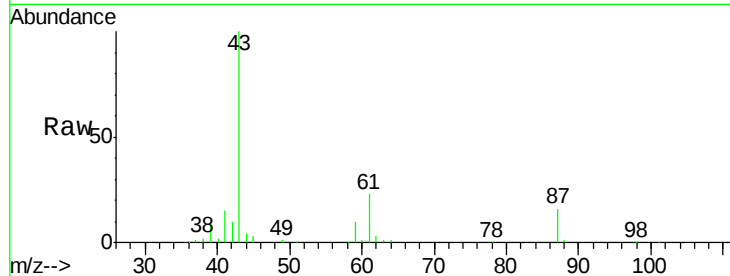
#43
Isopropyl Acetate
Concen: 47.266 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.4	24.0	36.0
87	16.6	12.5	18.7

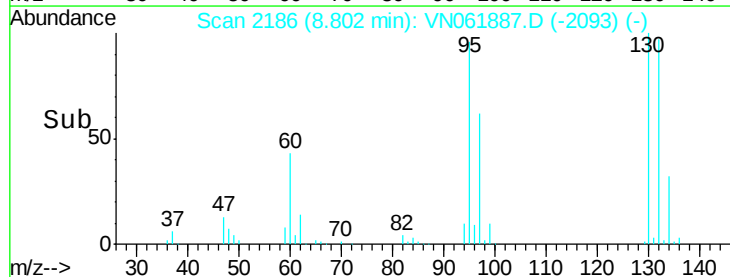
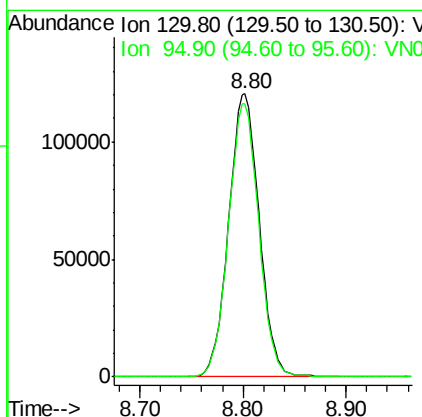
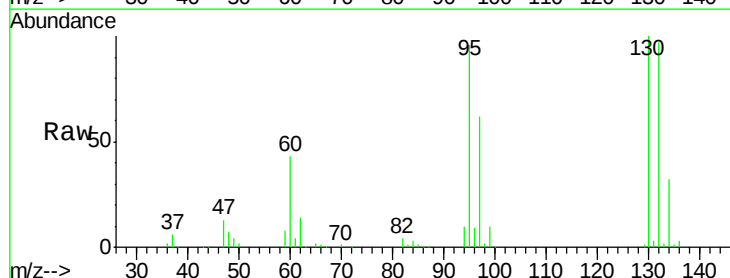
Manual Integrations
APPROVED

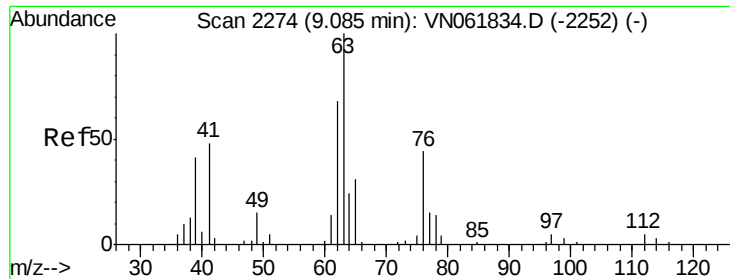
MMDadoda
6/18/2020 9:37:09 AM



#44
Trichloroethene
Concen: 129.283 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	195.6





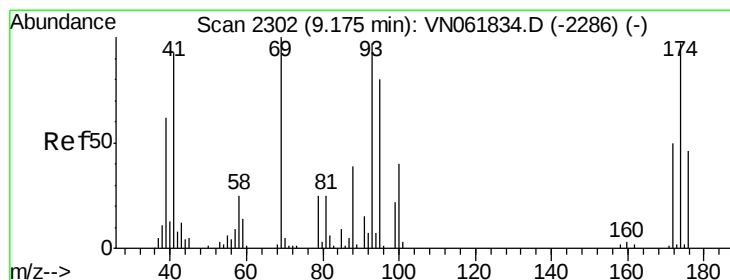
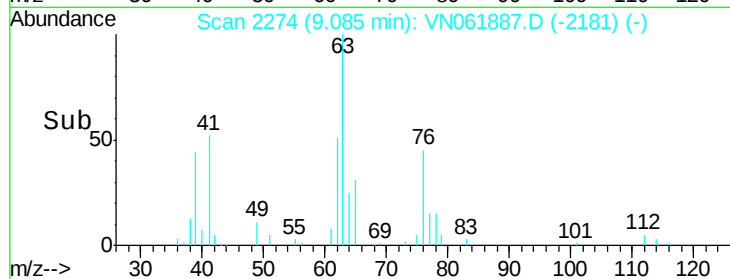
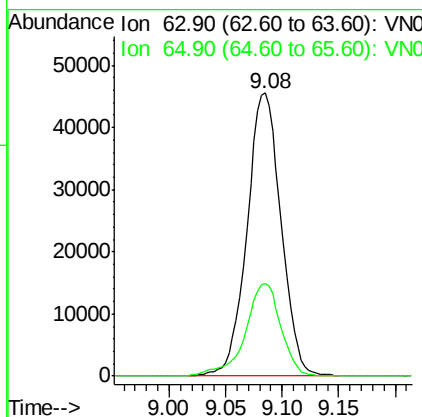
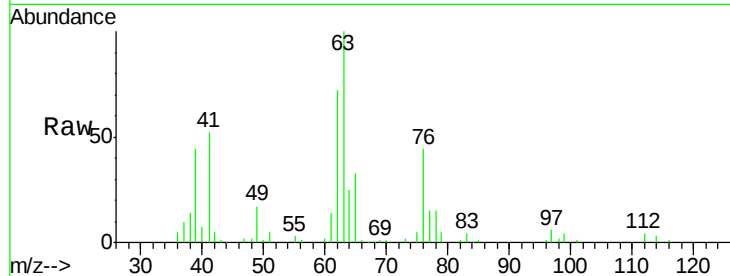
#45
 1,2-Dichloropropane
 Concen: 53.045 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.1	37.7

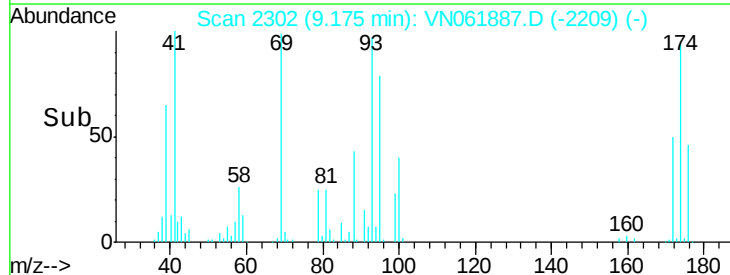
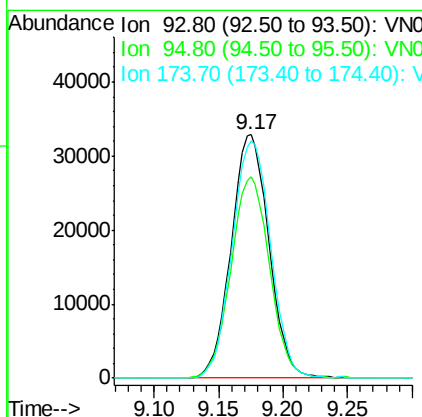
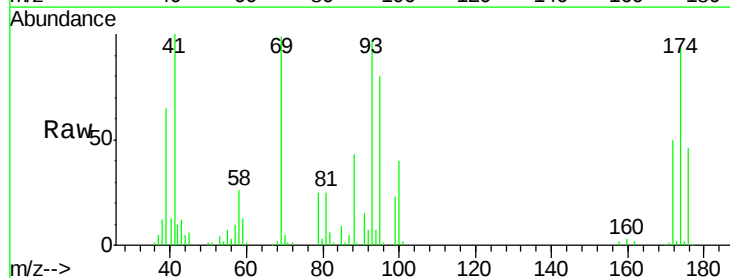
Manual Integrations
 APPROVED

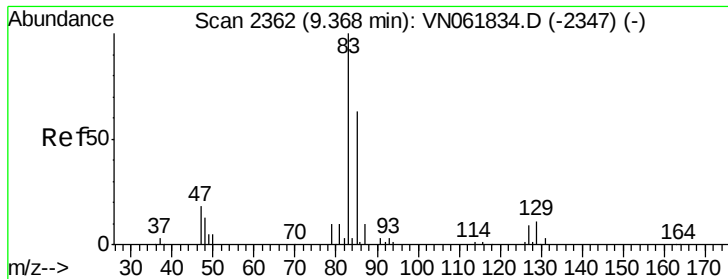
MMDadoda
 6/18/2020 9:37:09 AM



#46
 Dibromomethane
 Concen: 52.977 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.8	98.6
174	99.2	78.5	117.7





#47

Bromodichloromethane

Concen: 53.208 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

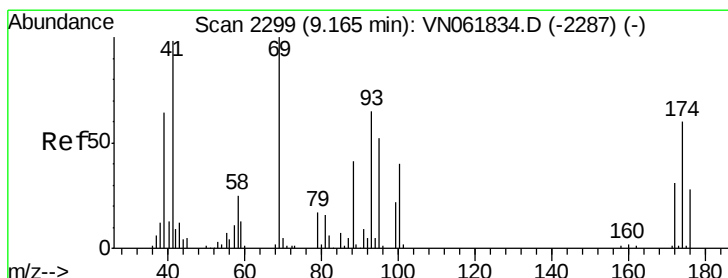
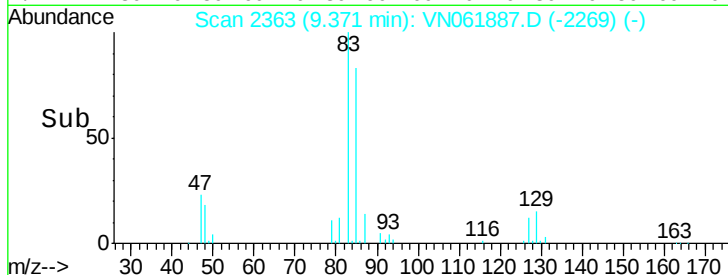
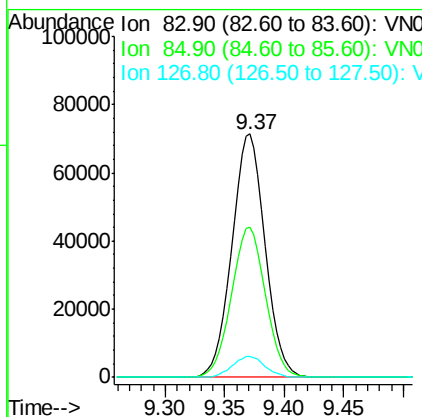
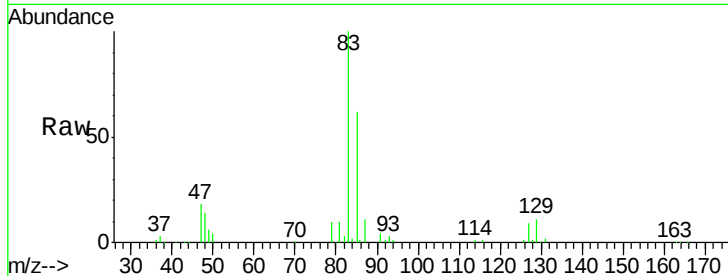
ClientSampleId :

RE117D1-20200611MSD

Tot Ion:	83	Resp:	137843
Ion Ratio	Lower	Upper	
83	100		
85	61.8	50.8	76.2
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.765 ug/l

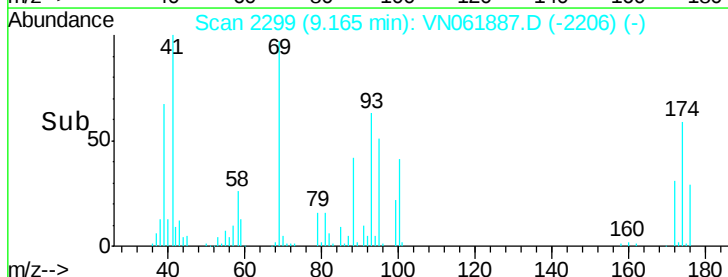
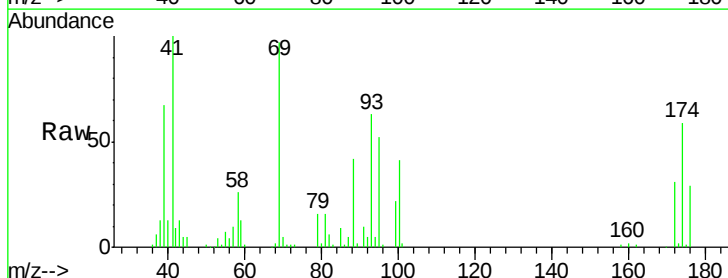
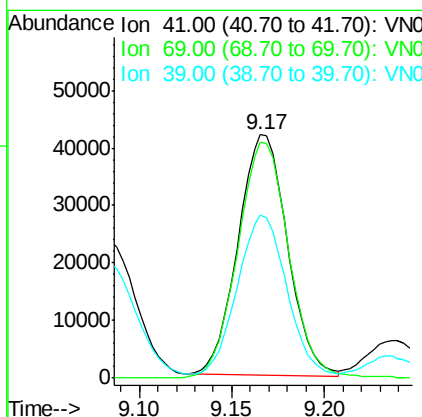
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Tgt Ion:	41	Resp:	77657
Ion Ratio	Lower	Upper	
41	100		
69	101.8	83.0	124.4
39	69.1	55.1	82.7





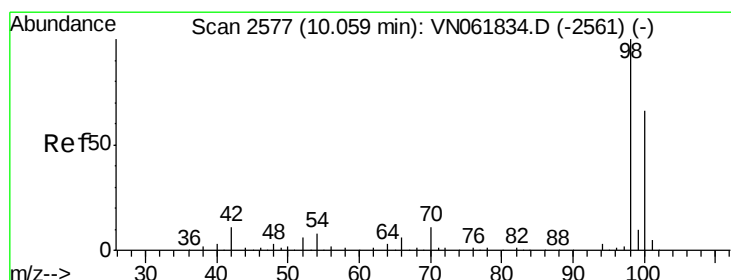
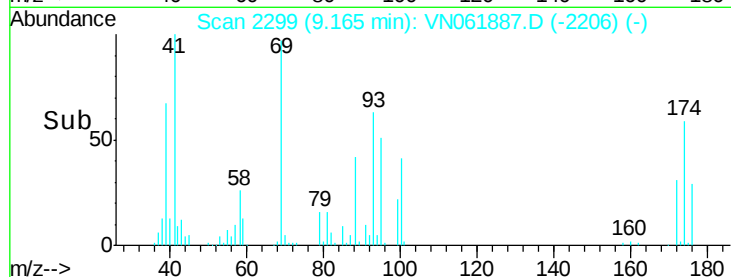
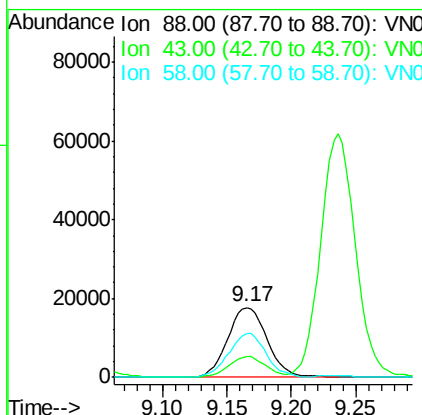
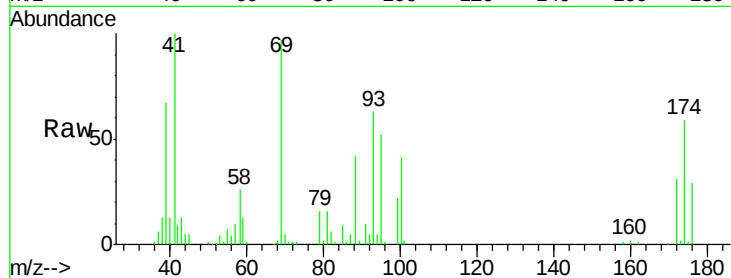
#49
 1,4-Dioxane
 Concen: 1135.755 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	88	Resp	37663
Ion	Ratio	Lower	Upper
88	100		
43	27.7	23.4	35.2
58	60.0	49.8	74.6

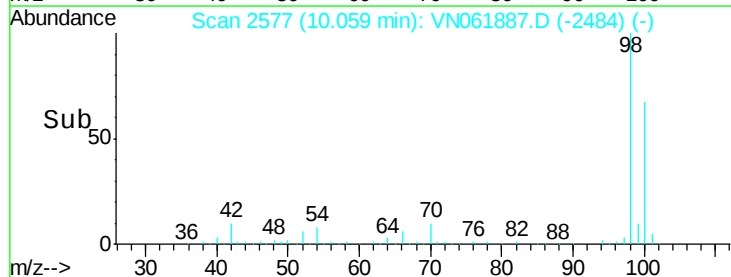
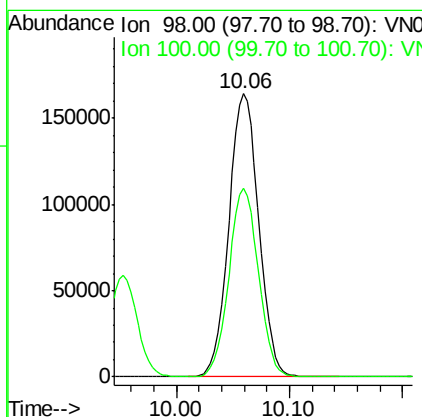
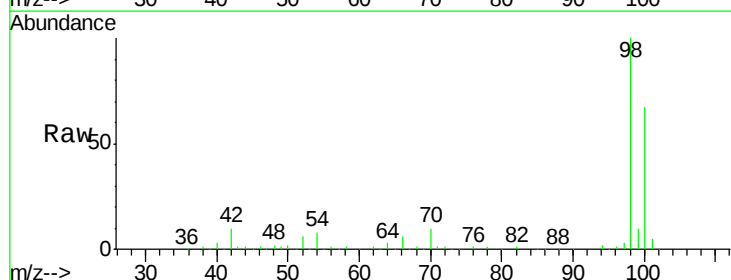
Manual Integrations
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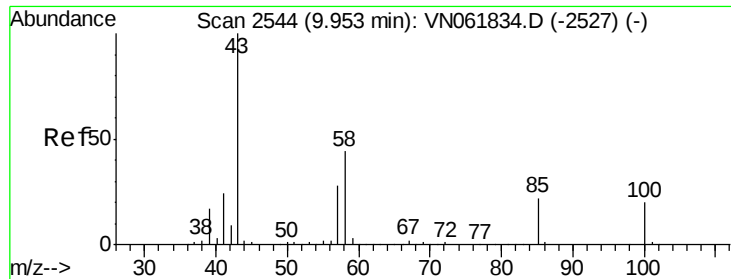
MMDadoda
 6/18/2020 9:37:09 AM



#50
 Toluene-d8
 Concen: 45.366 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	98	Resp	301911
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 268.748 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611MSD

Tot Ion: 43 Resp: 504406

Ion Ratio Lower Upper

43 100

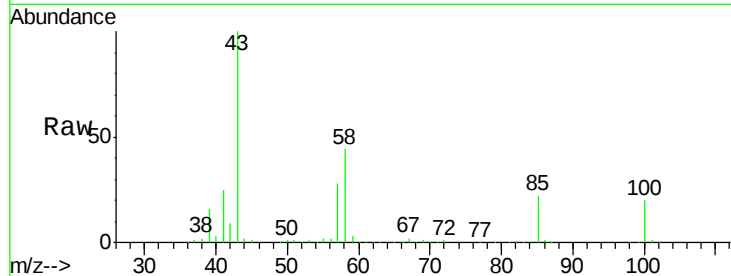
58 43.3 34.6 52.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

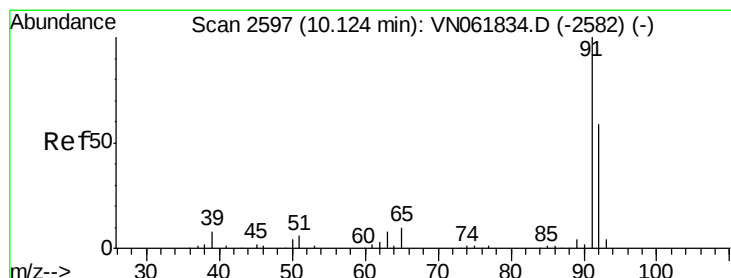
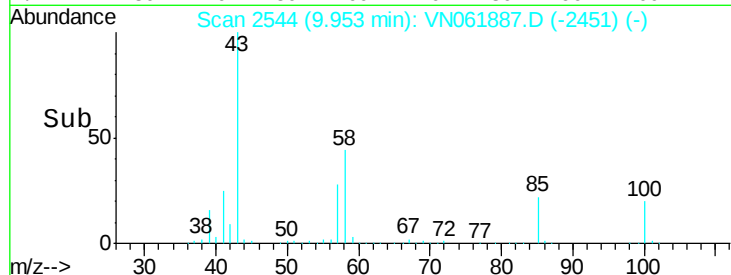
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.675 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061887.D

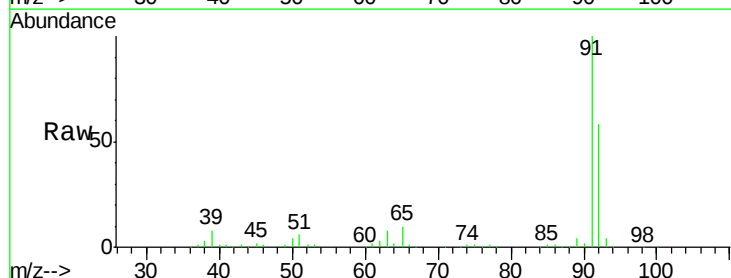
Acq: 18 Jun 2020 7:29

Tgt Ion: 92 Resp: 251037

Ion Ratio Lower Upper

92 100

91 172.7 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

250000

200000

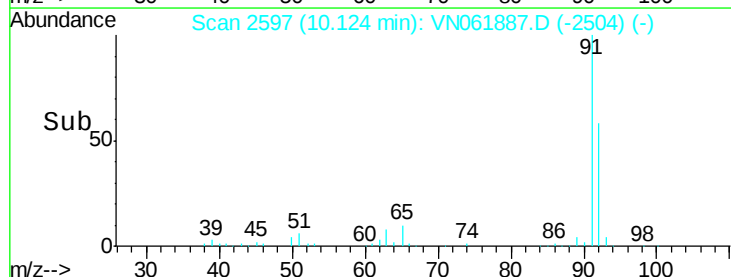
150000

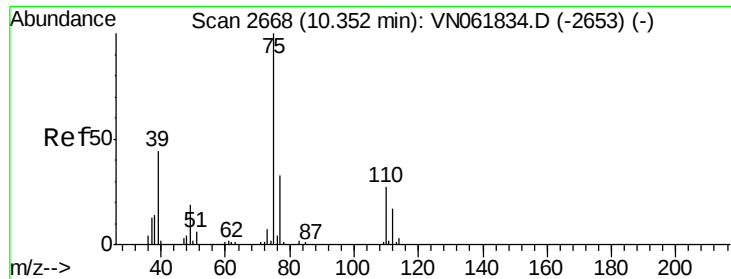
100000

50000

0

Time-->





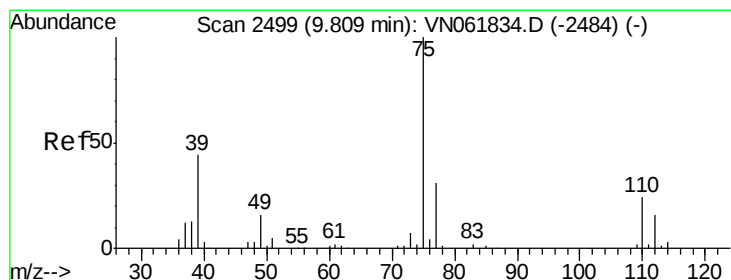
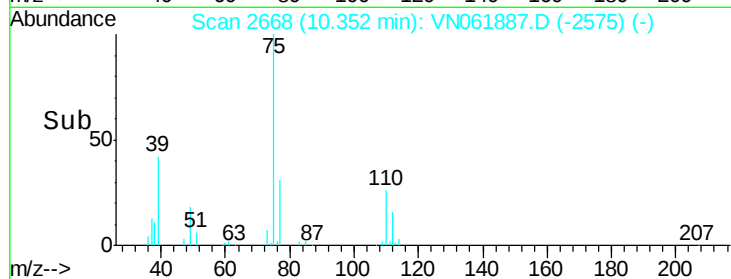
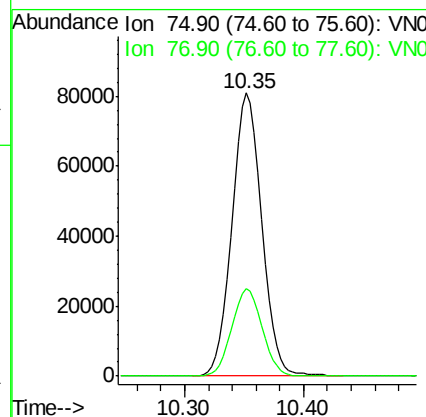
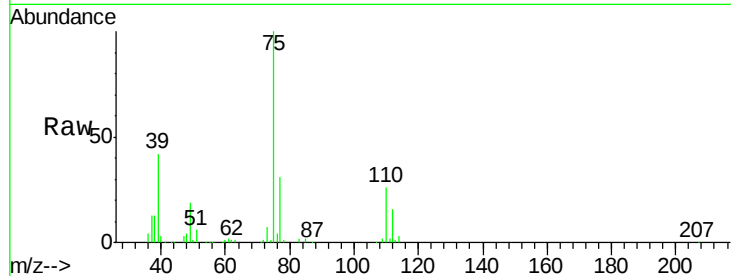
#53
t-1,3-Dichloropropene
Concen: 51.088 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion: 75 Resp: 140503
Ion Ratio Lower Upper
75 100
77 30.8 26.3 39.5

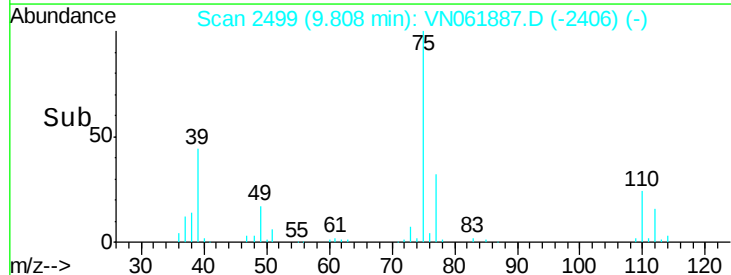
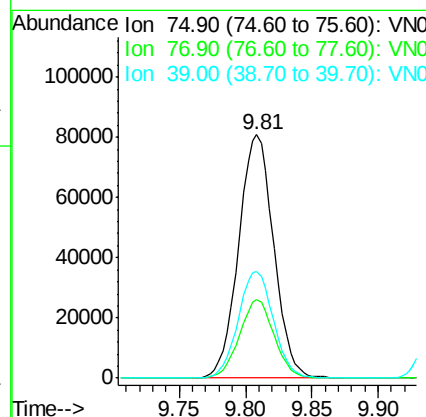
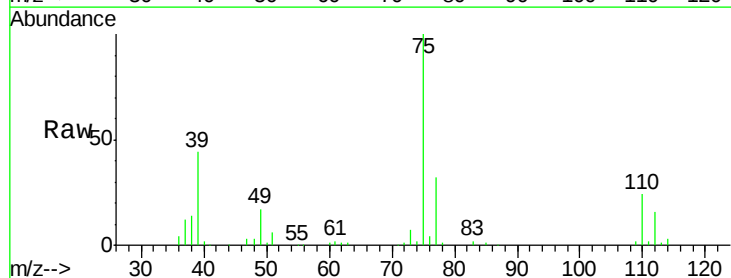
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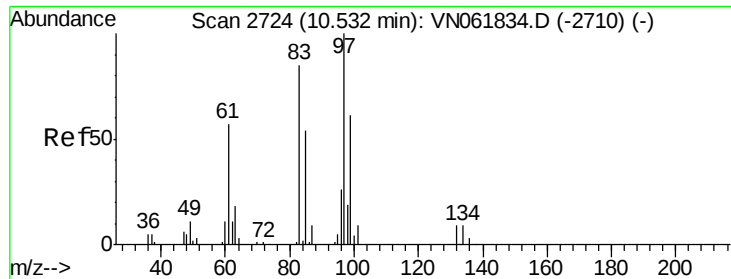
MMDadoda
6/18/2020 9:37:09 AM



#54
cis-1,3-Dichloropropene
Concen: 49.761 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion: 75 Resp: 148644
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 43.7 35.4 53.0





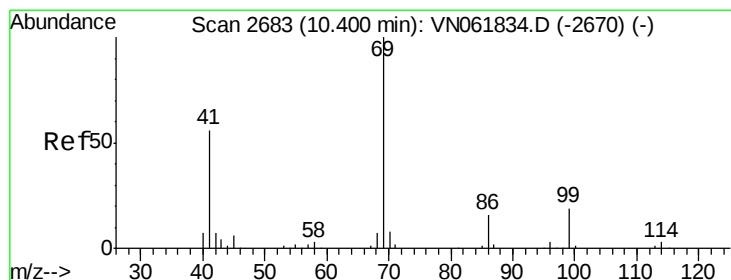
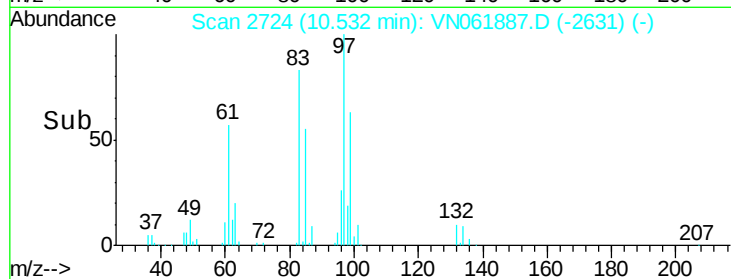
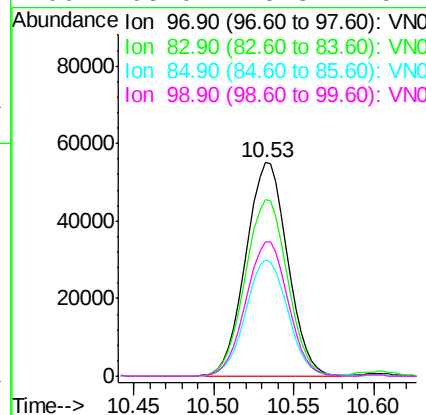
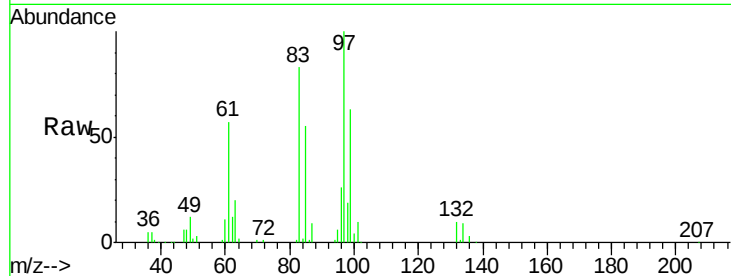
#55
 1,1,2-Trichloroethane
 Concen: 54.565 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Resp	Lower	Upper
97	100			
83	82.8	67.7	101.5	
85	54.8	43.4	65.0	
99	63.0	48.8	73.2	

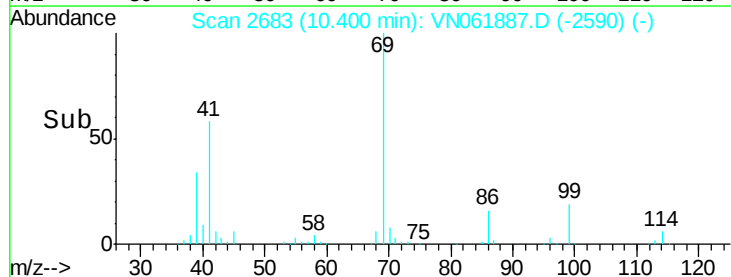
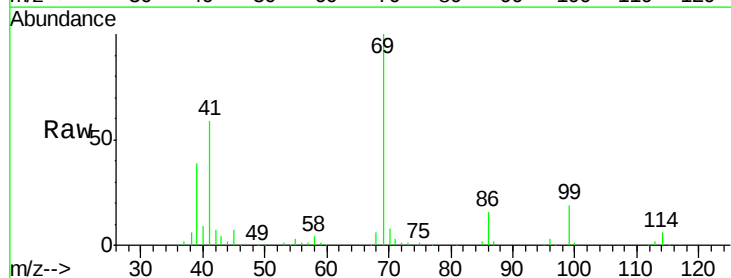
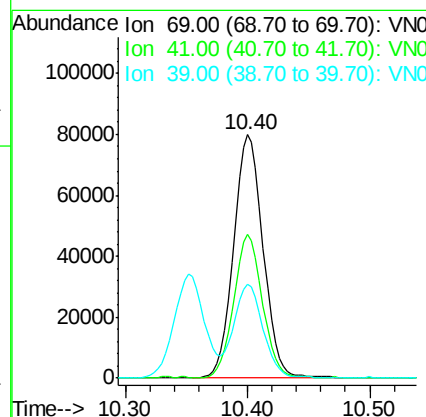
Manual Integrations
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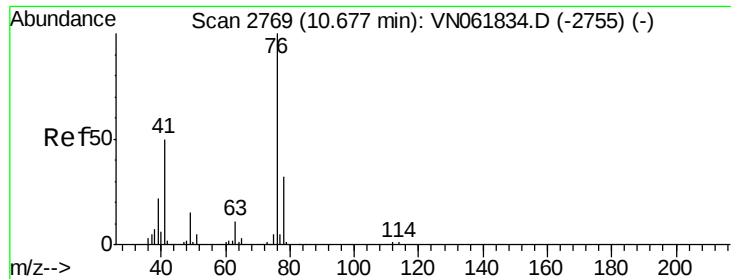
MMDadoda
 6/18/2020 9:37:09 AM



#56
 Ethyl methacrylate
 Concen: 48.803 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	57.1	44.9	67.3	
39	38.2	30.0	45.0	





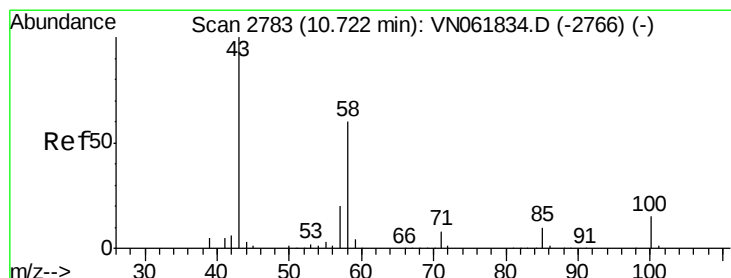
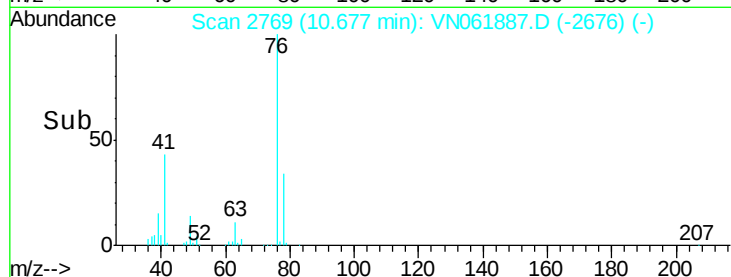
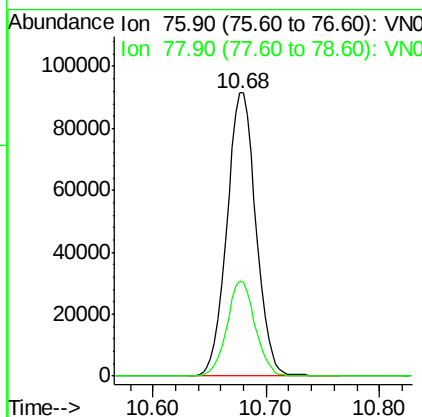
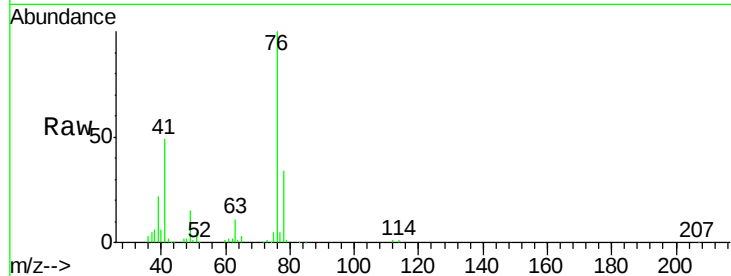
#57
 1,3-Dichloropropane
 Concen: 53.413 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

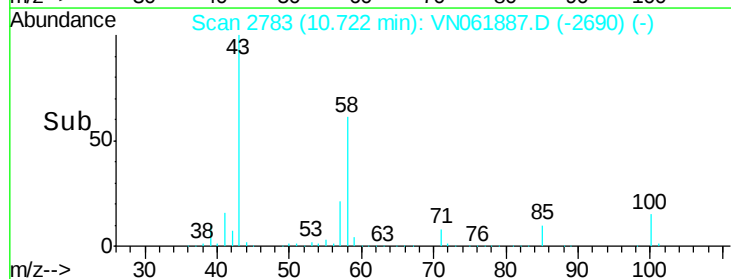
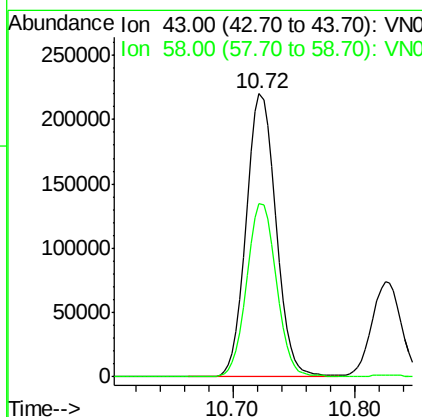
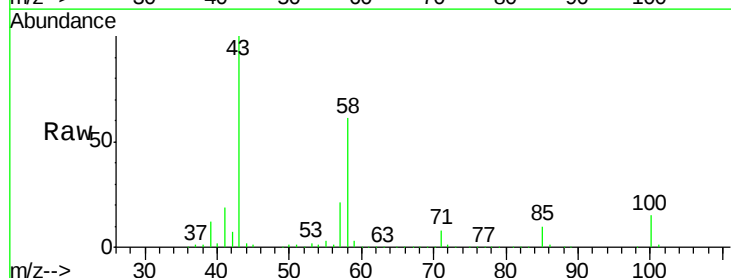
Manual Integrations
 APPROVED

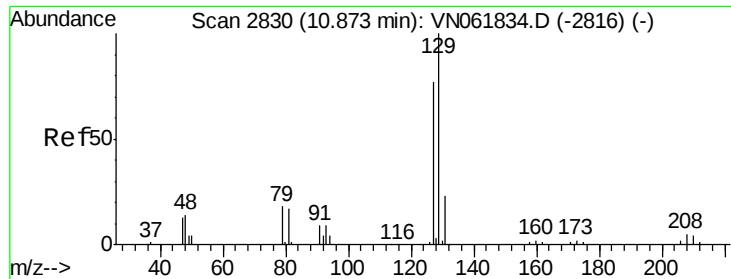
MMDadoda
 6/18/2020 9:37:09 AM



#59
 2-Hexanone
 Concen: 246.702 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	61.2	30.1	90.5





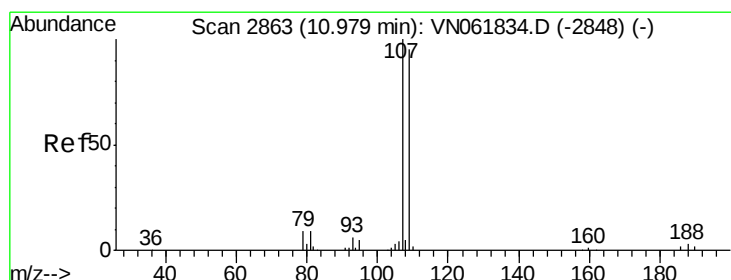
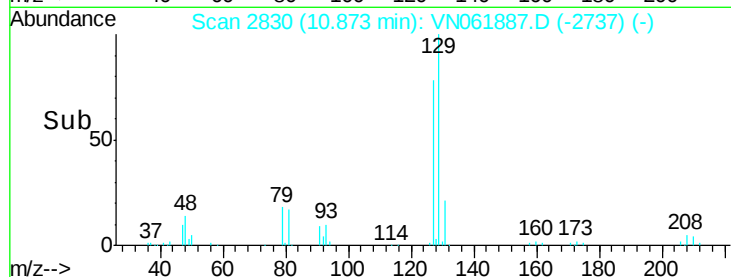
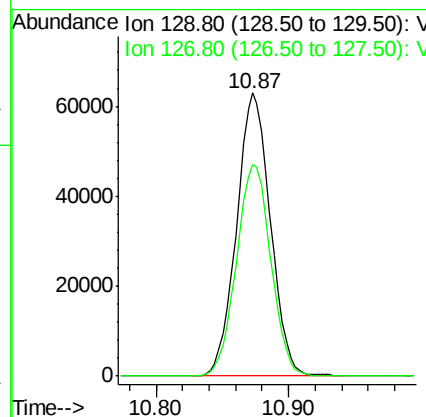
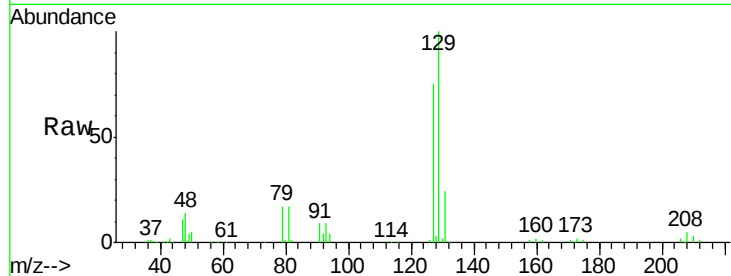
#60
 Dibromochloromethane
 Concen: 55.166 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.5	115.5

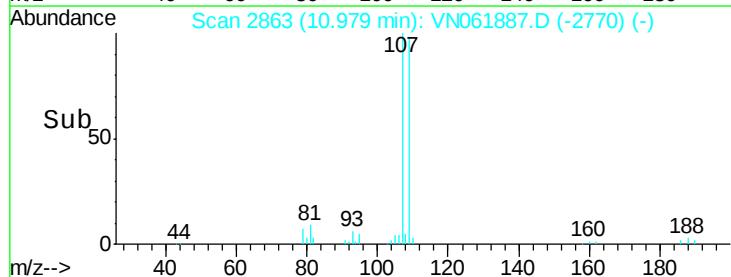
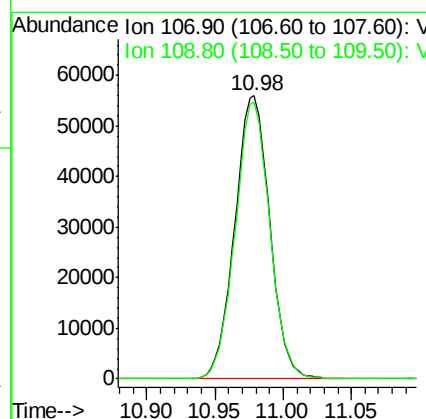
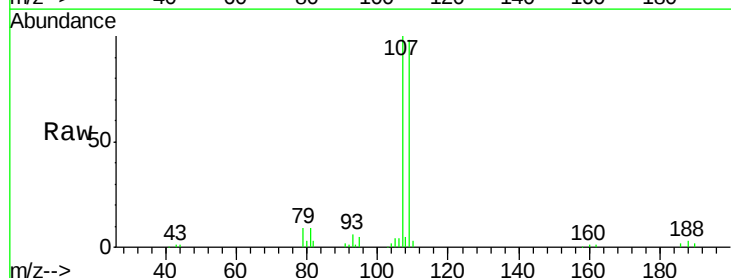
Manual Integrations
 APPROVED

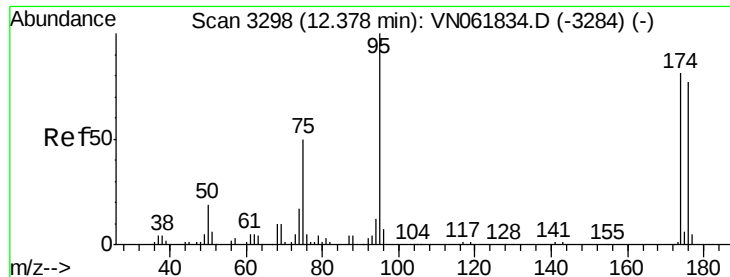
MMDadoda
 6/18/2020 9:37:09 AM



#61
 1,2-Dibromoethane
 Concen: 52.801 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.0	112.6





#62

4-Bromofluorobenzene

Concen: 44.864 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

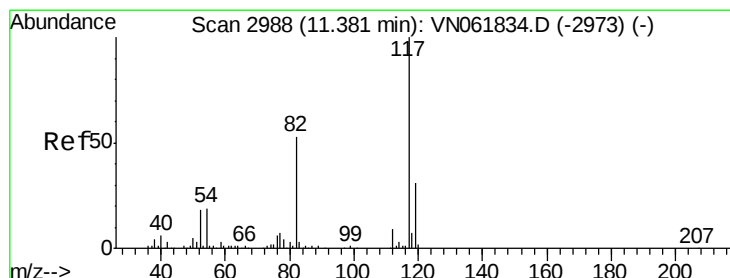
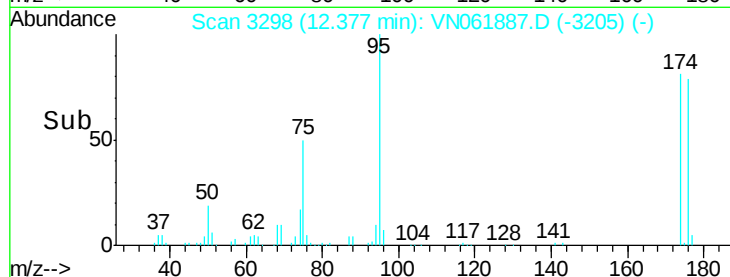
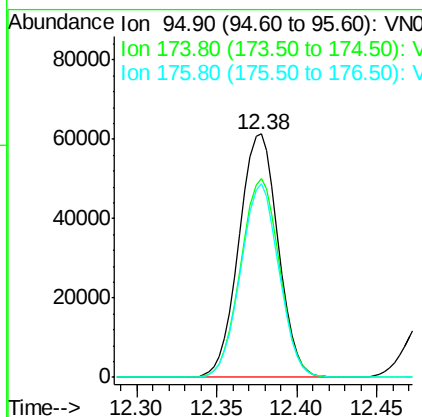
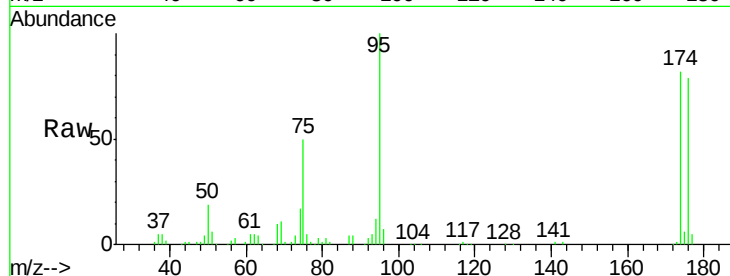
ClientSampleId :

RE117D1-20200611MSD

Tot Ion:	95	Resp:	102413
Ion Ratio	Lower	Upper	
95	100		
174	80.9	0.0	158.6
176	77.6	0.0	152.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

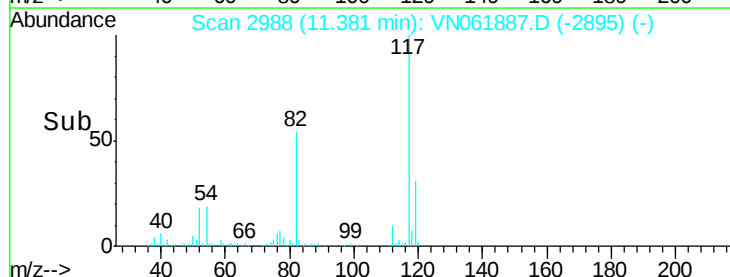
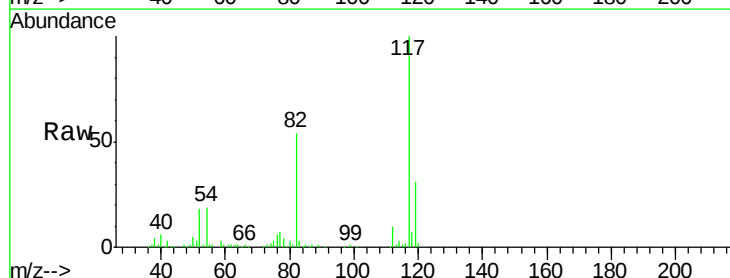
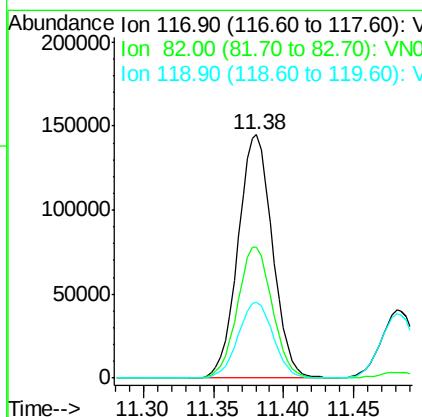
RT: 11.38 min Scan# 2988

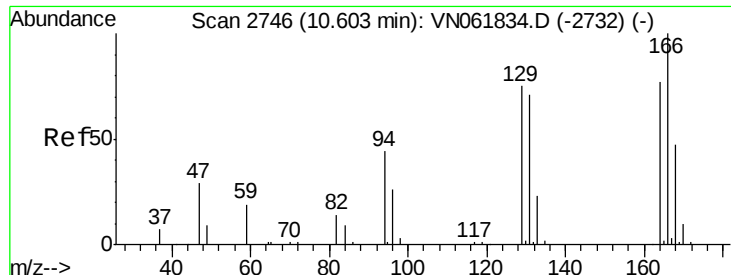
Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Tgt Ion:	117	Resp:	247855
Ion Ratio	Lower	Upper	
117	100		
82	54.0	42.6	64.0
119	31.1	24.7	37.1





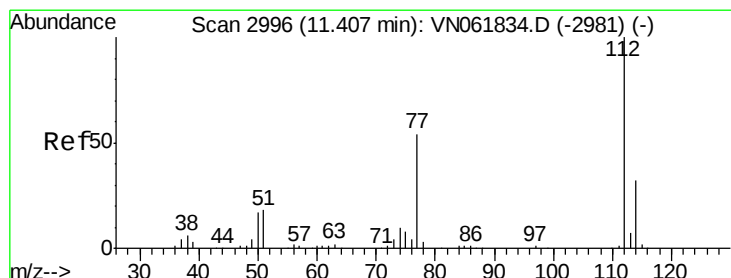
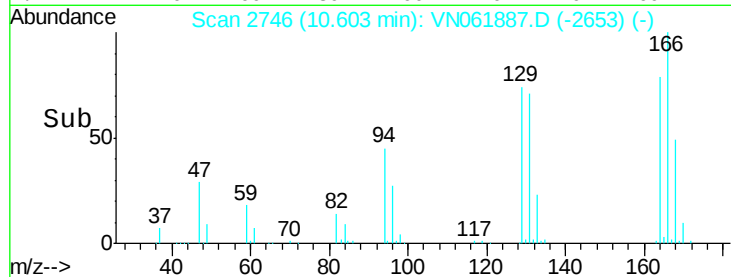
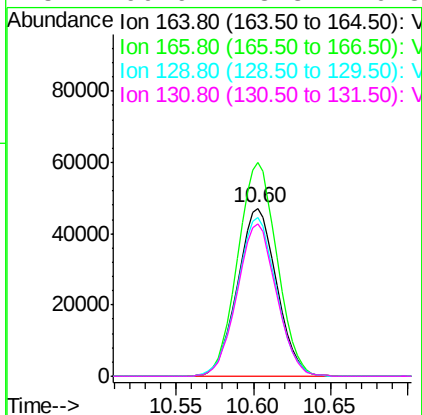
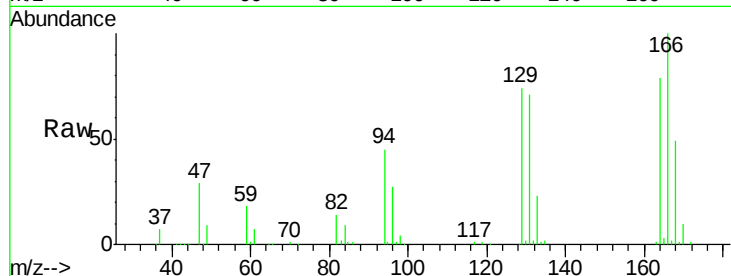
#64
Tetrachloroethene
Concen: 52.538 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.5	155.3
129	94.6	77.5	116.3
131	90.6	73.8	110.8

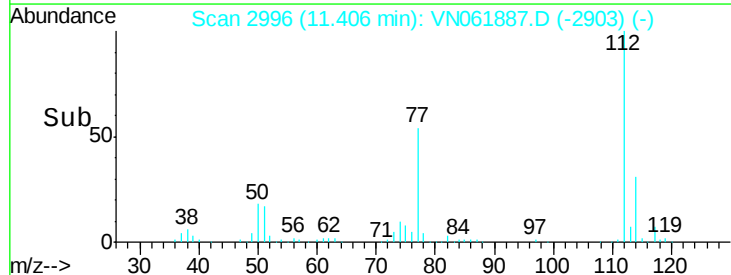
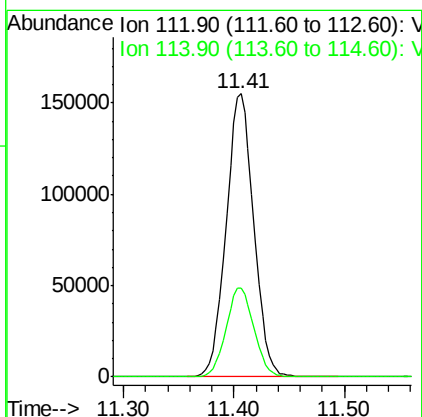
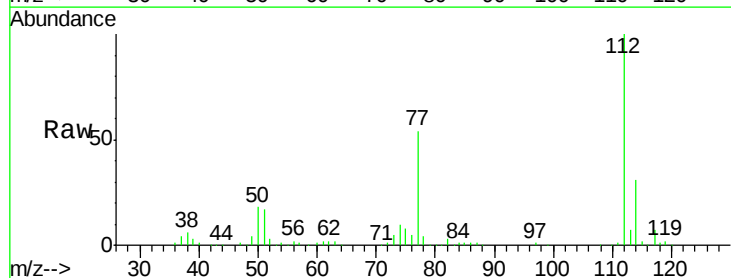
Manual Integrations
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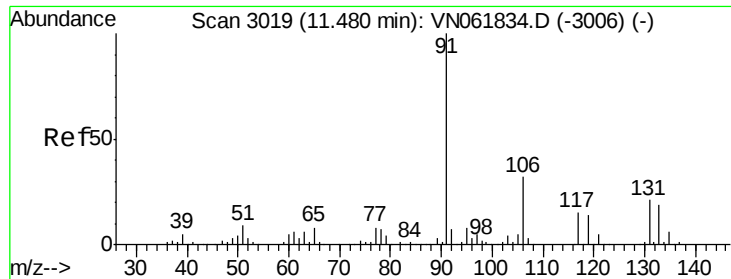
MMDadoda
6/18/2020 9:37:09 AM



#65
Chlorobenzene
Concen: 51.346 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.6





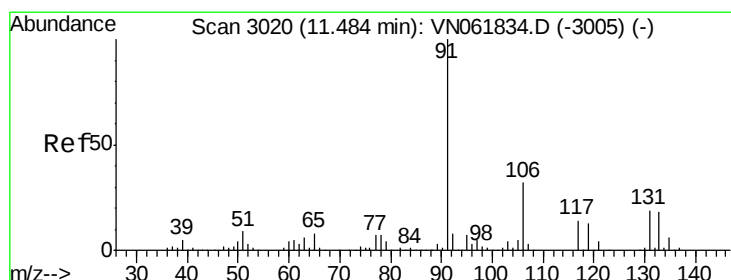
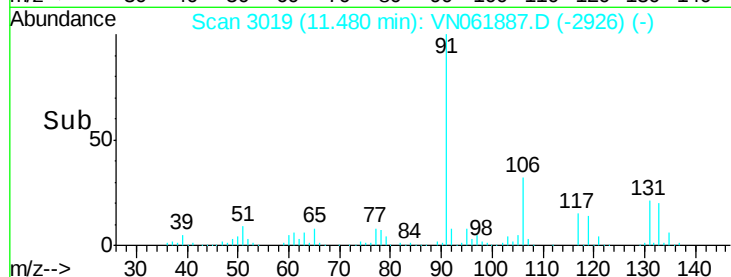
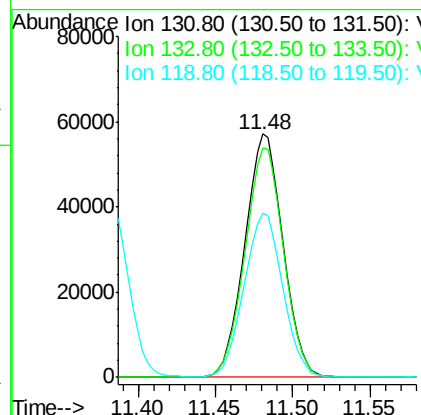
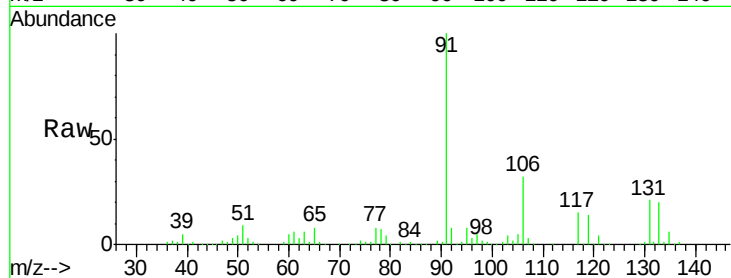
#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.803 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.5	142.5
119	68.2	34.0	101.8

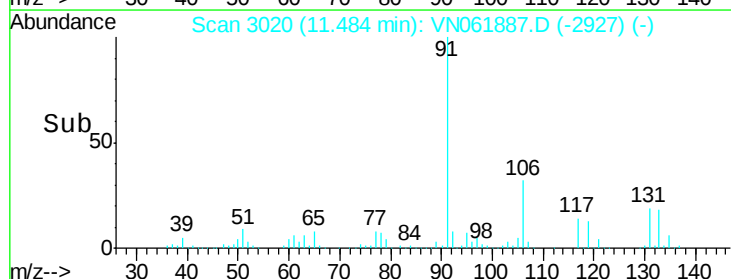
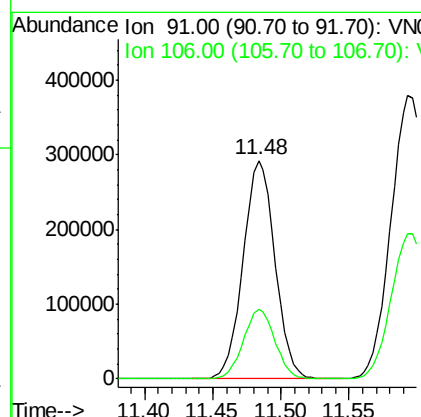
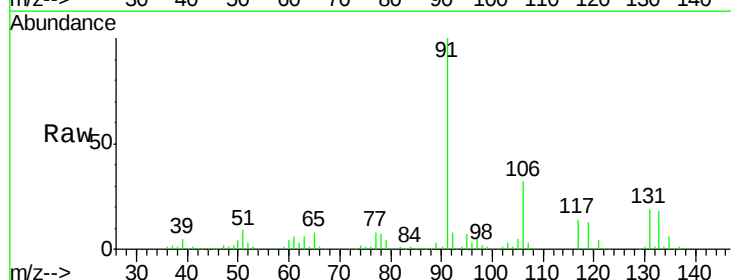
Manual Integrations
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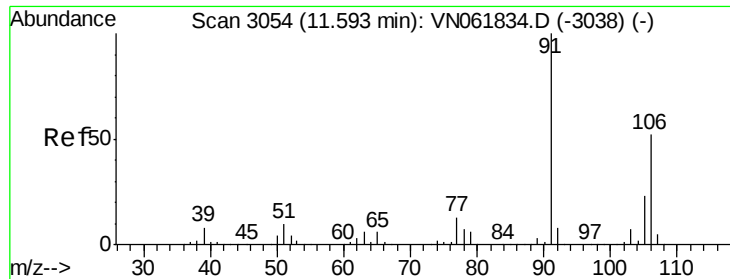
MMDadoda
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#67
 Ethyl Benzene
 Concen: 53.976 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.4	38.2





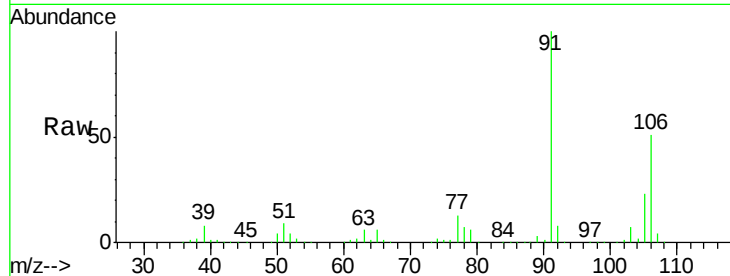
#68
m/p-Xylenes
Concen: 109.401 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

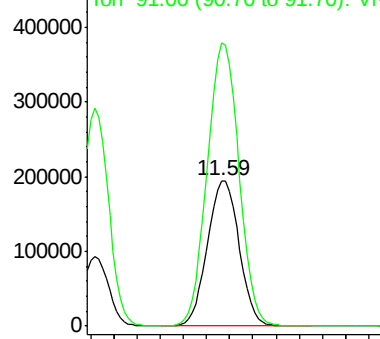
Tot Ion:106 Resp: 369911
Ion Ratio Lower Upper
106 100
91 195.5 157.0 235.6

Manual Integrations
APPROVED

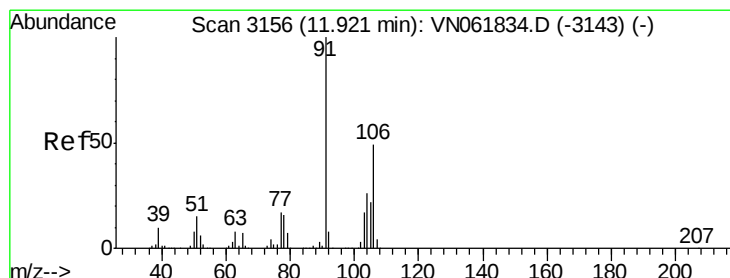
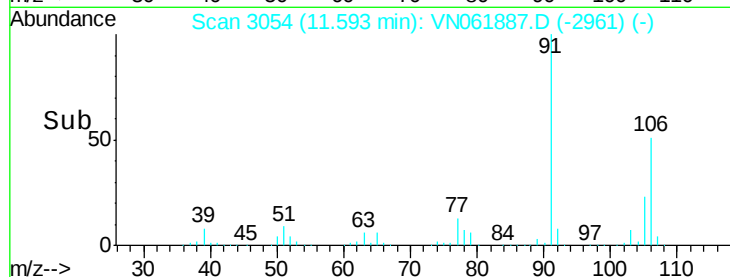
MMDadoda
6/18/2020 9:37:09 AM



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

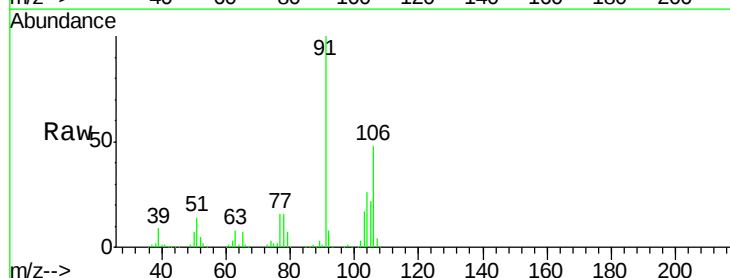


Time-->

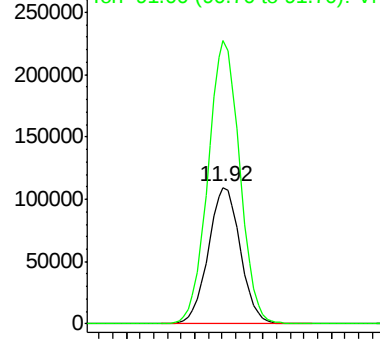


#69
o-Xylene
Concen: 55.336 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

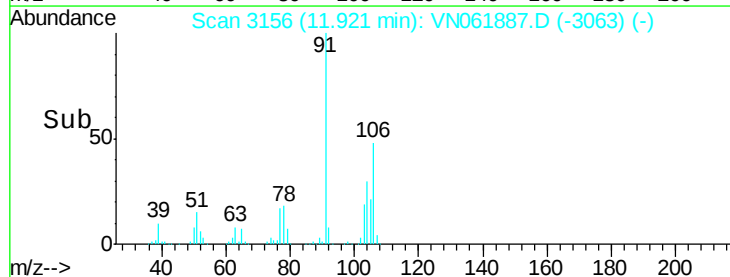
Tgt Ion:106 Resp: 178526
Ion Ratio Lower Upper
106 100
91 205.6 103.0 308.9

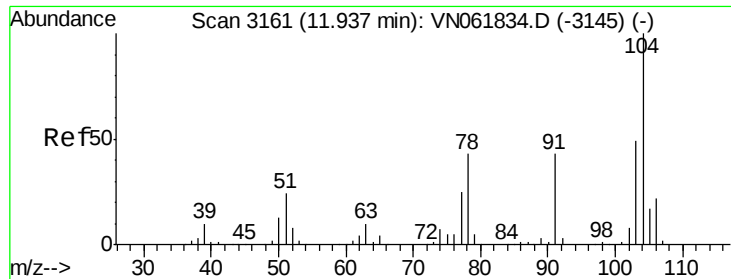


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN



Time-->





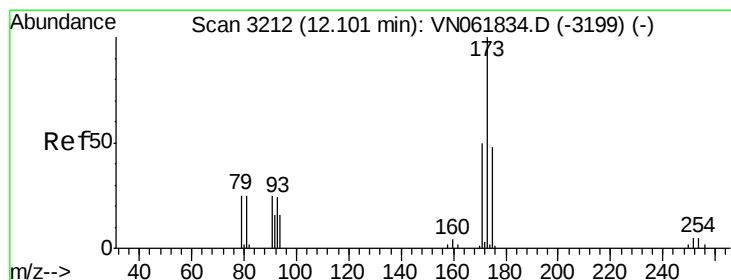
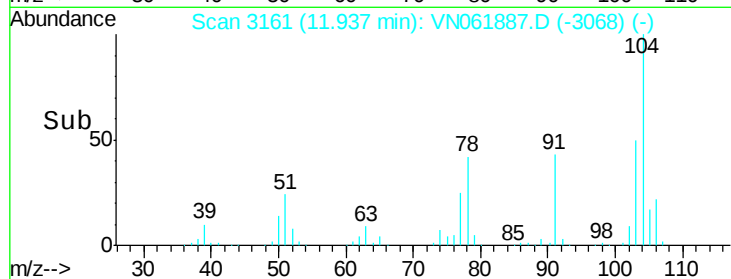
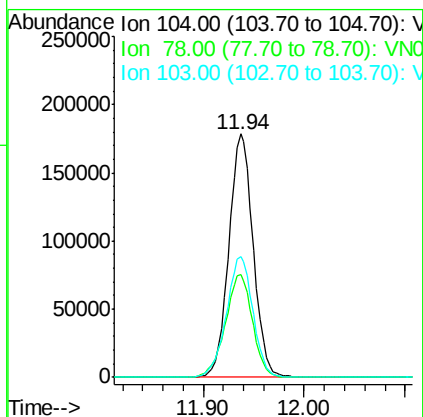
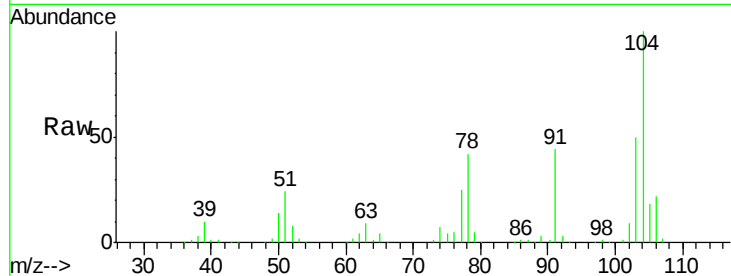
#70
Stvrene
Concen: 55.649 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	300610		
78	46.9		37.6	56.4
103	54.1		43.0	64.4

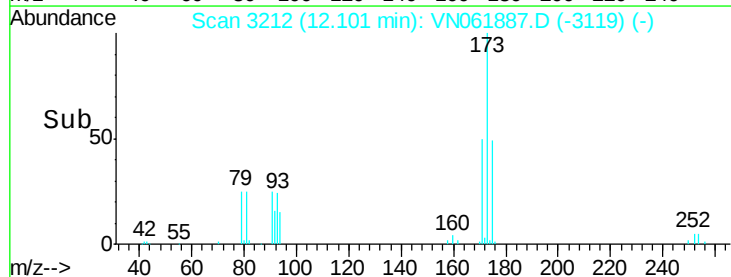
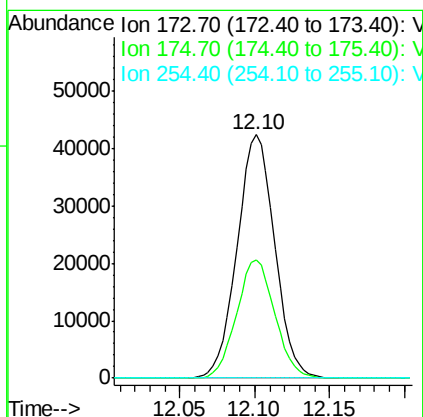
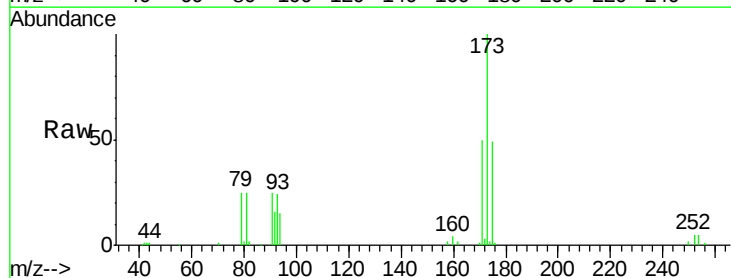
Manual Integrations
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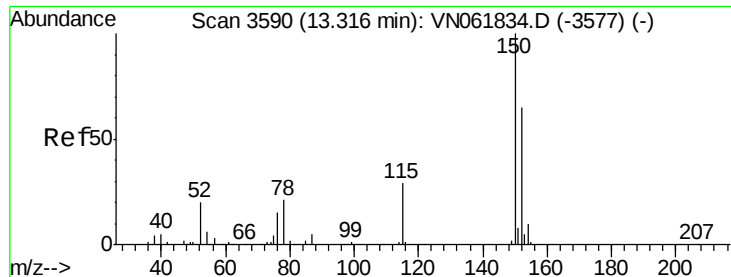
MMDadoda
6/18/2020 9:37:09 AM



#71
Bromoform
Concen: 55.761 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	74161		
175	49.2		23.9	71.7
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

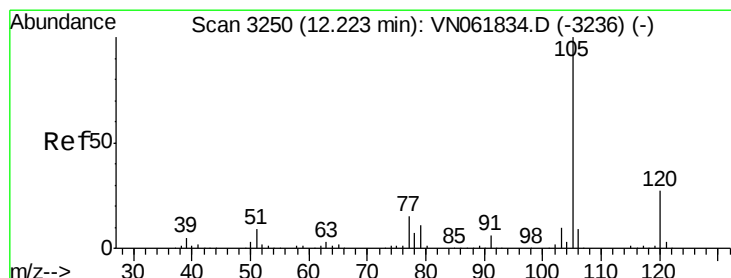
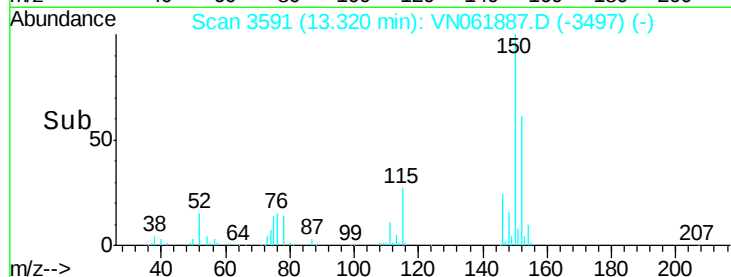
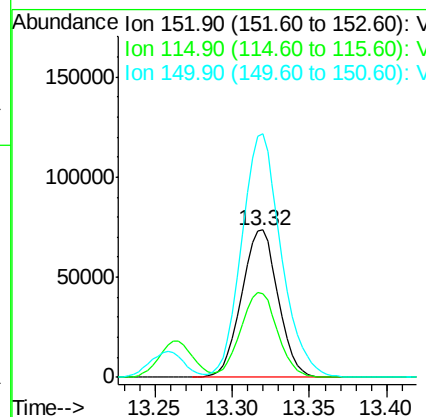
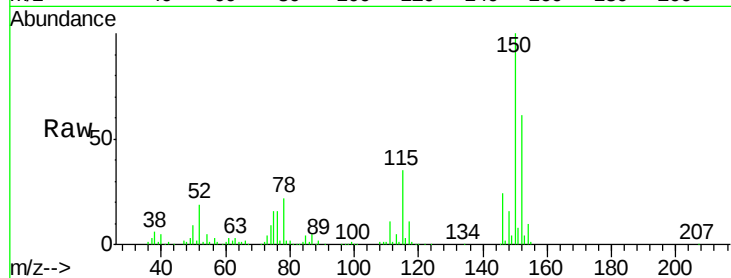
ClientSampleId :

RE117D1-20200611MSD

Tot Ion:	152	Resp:	121051
Ion Ratio	Lower	Upper	
152	100		
115	58.1	29.1	87.3
150	178.4	0.0	347.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 53.785 ug/l

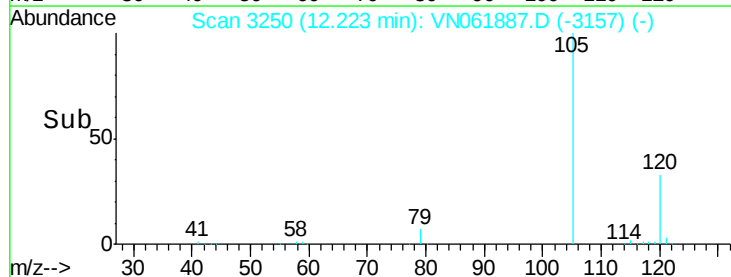
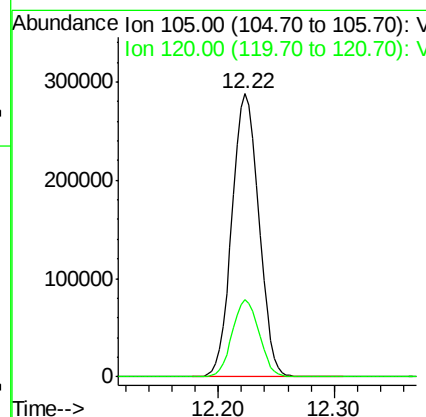
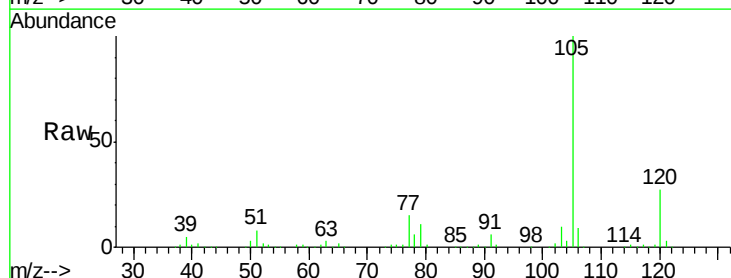
RT: 12.22 min Scan# 3250

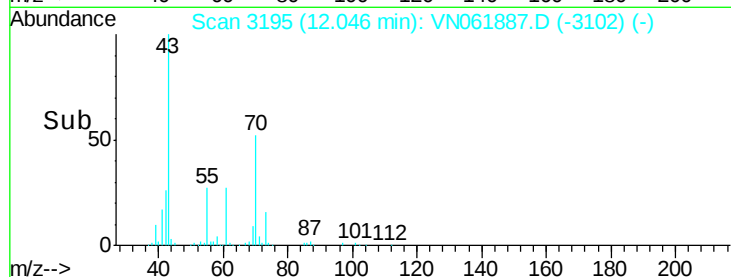
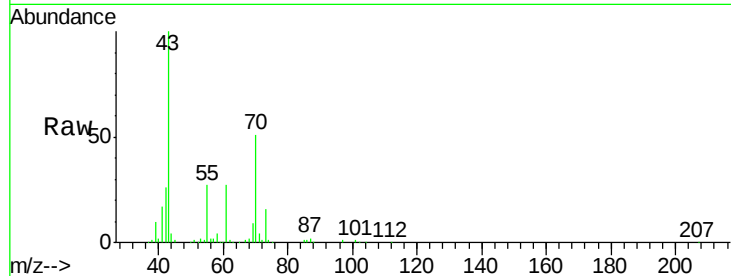
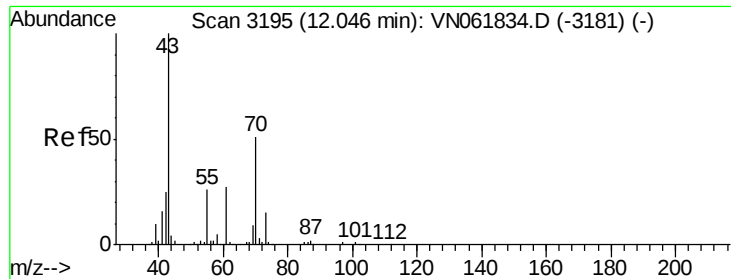
Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Tgt Ion:	105	Resp:	462662
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.3	39.8





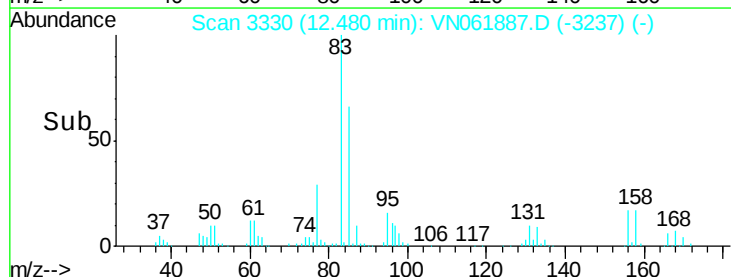
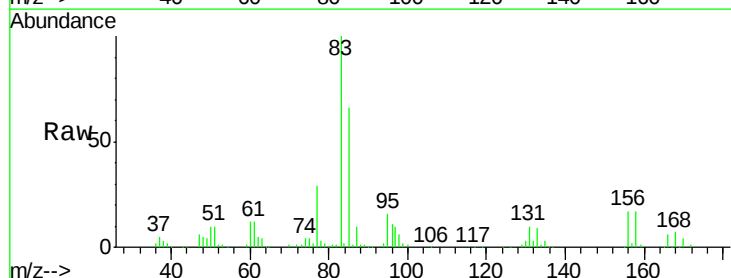
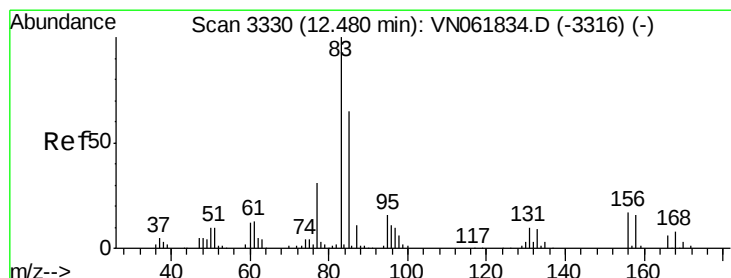
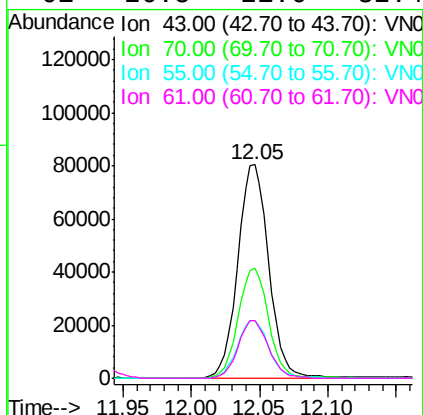
#74
N-amvl acetate
Concen: 41.334 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		126999		
70	50.8	40.6	60.8		
55	27.5	21.5	32.3		
61	26.5	21.6	32.4		

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

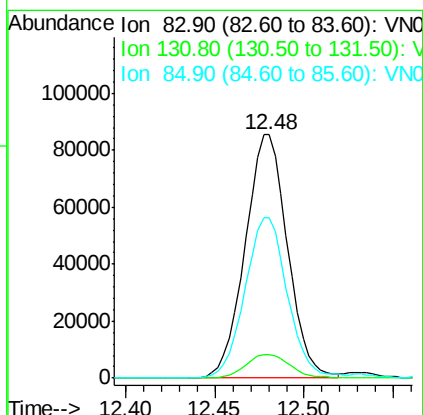
Manual Integrations
APPROVED

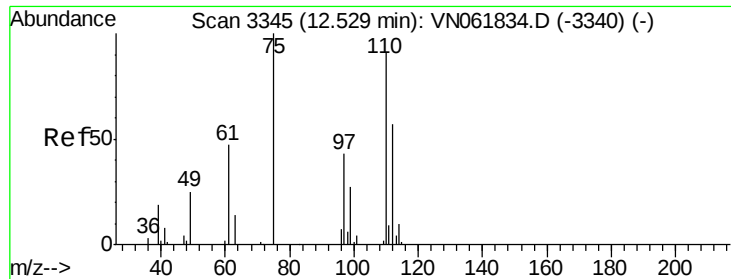
MMDadoda
6/18/2020 9:37:09 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 50.646 ug/l
RT: 12.48 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		141643		
131	10.2	5.0	15.0		
85	66.0	32.4	97.2		





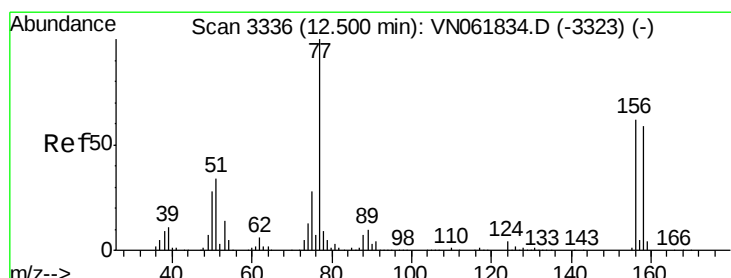
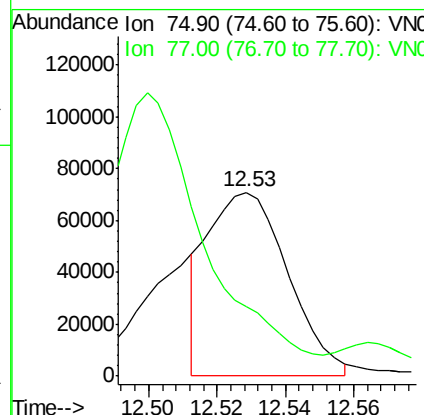
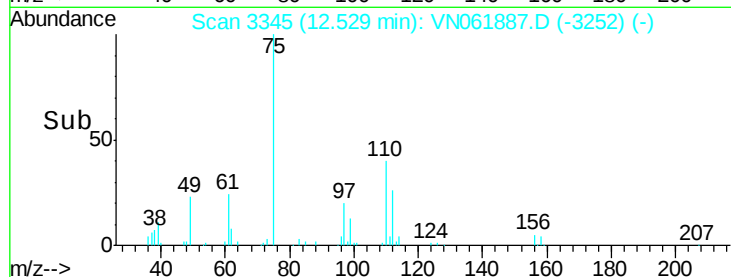
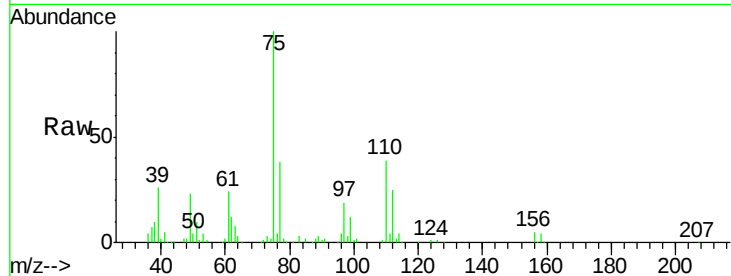
#76
 1,2,3-Trichloropropane
 Concen: 48.533 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

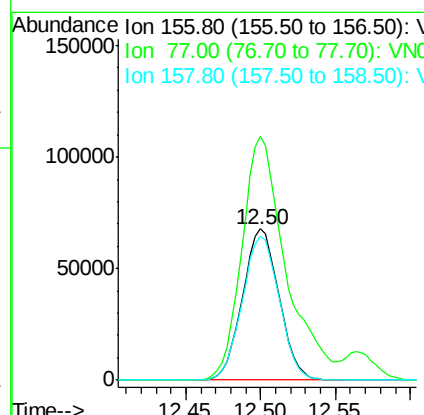
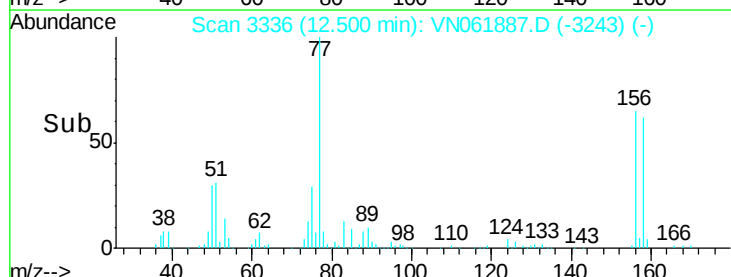
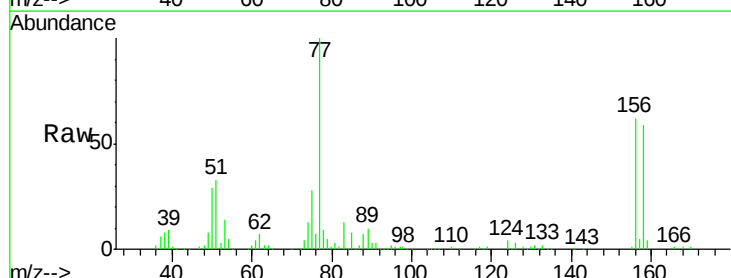
Manual Integrations
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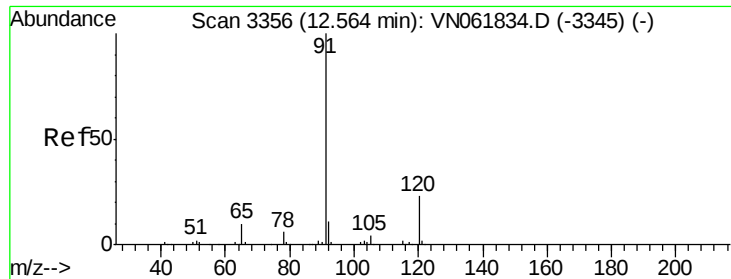
MMDadoda
 6/18/2020 9:37:09 AM



#77
 Bromobenzene
 Concen: 53.128 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
156	100		
77	194.1	100.7	302.1
158	96.6	48.5	145.5





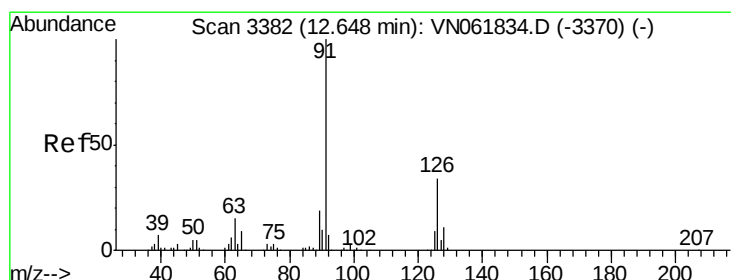
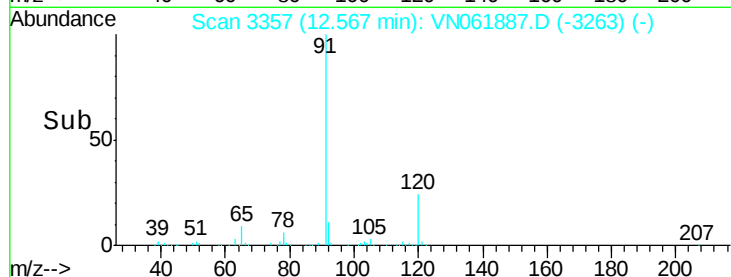
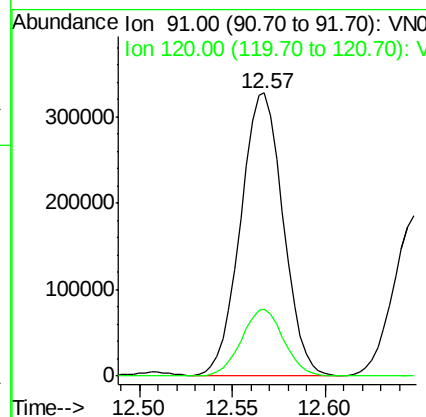
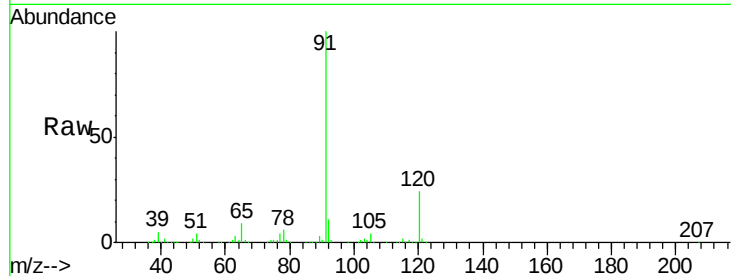
#78
n-propylbenzene
Concen: 52.672 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion: 91 Resp: 516990
Ion Ratio Lower Upper
91 100
120 23.6 11.6 34.8

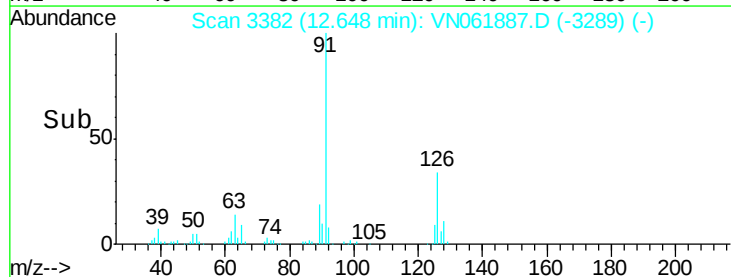
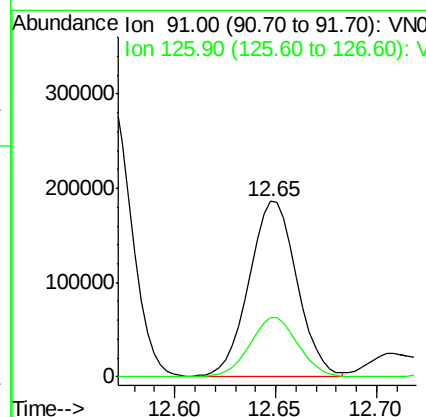
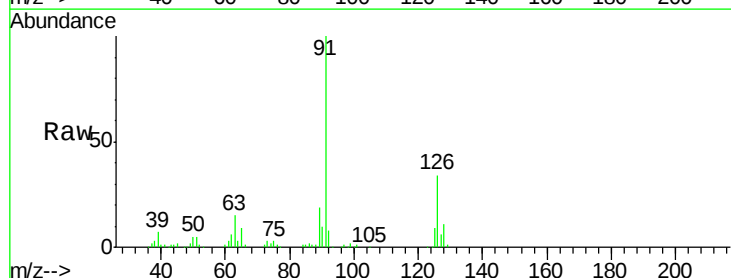
Manual Integrations
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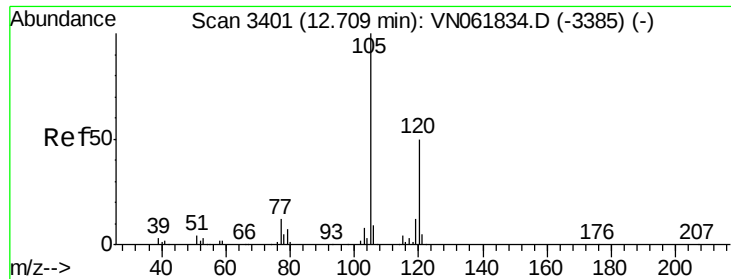
MMDadoda
6/18/2020 9:37:09 AM



#79
2-Chlorotoluene
Concen: 52.308 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion: 91 Resp: 308355
Ion Ratio Lower Upper
91 100
126 34.3 17.3 51.7





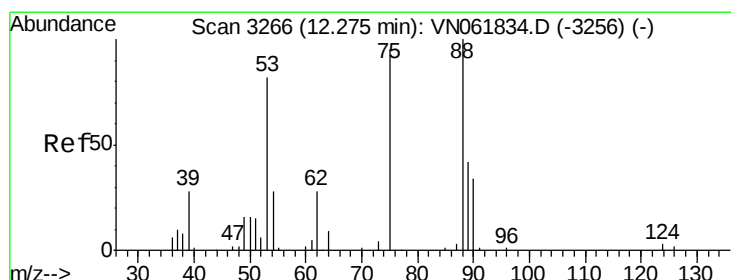
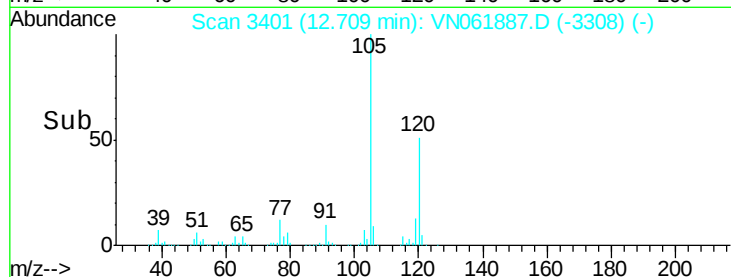
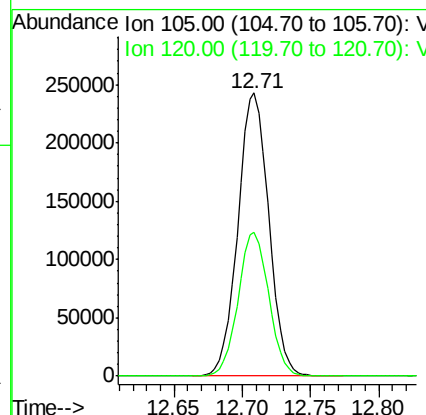
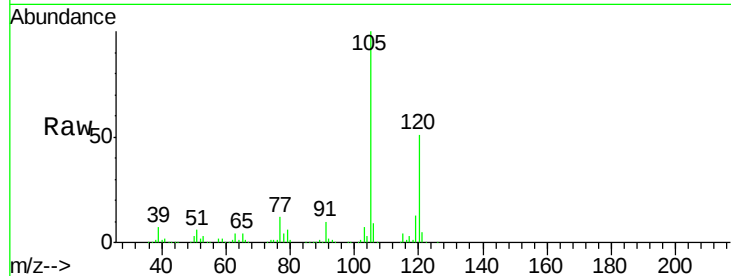
#80
 1,3,5-Trimethylbenzene
 Concen: 53.567 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.9	74.7

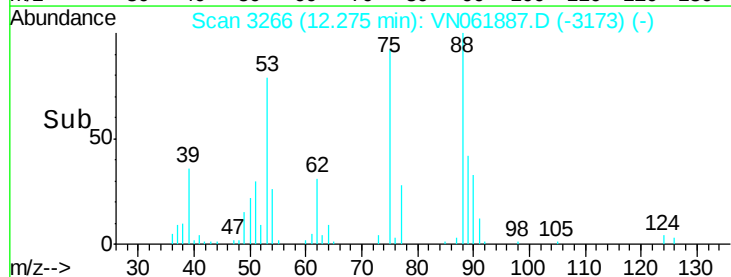
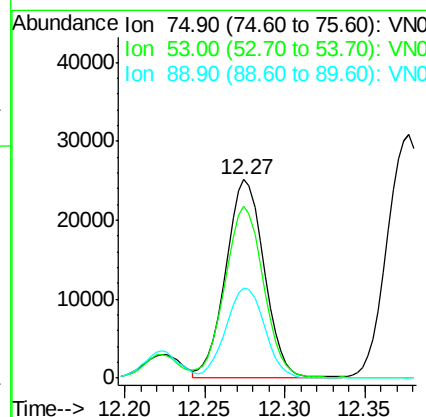
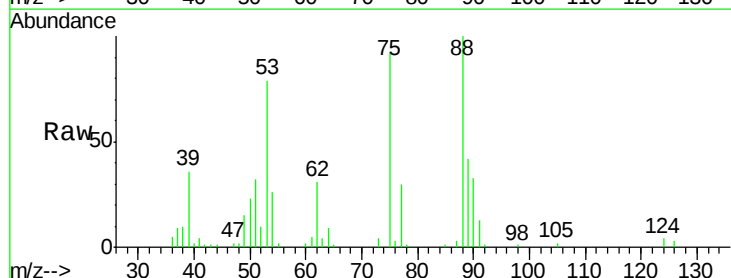
Manual Integrations
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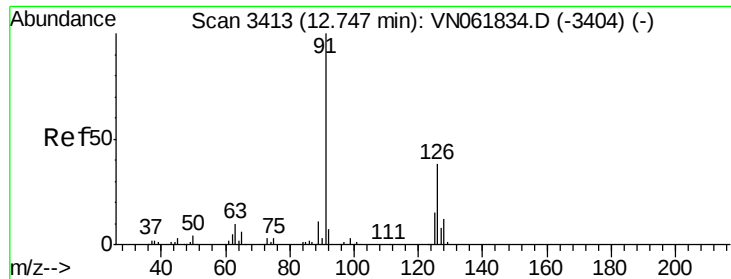
MMDadoda
 6/18/2020 9:37:09 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.508 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.8	70.4	105.6
89	45.4	36.0	54.0





#82

4-Chlorotoluene

Concen: 53.177 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20200611MSD

Tot Ion: 91 Resp: 323922

Ion Ratio Lower Upper

91 100

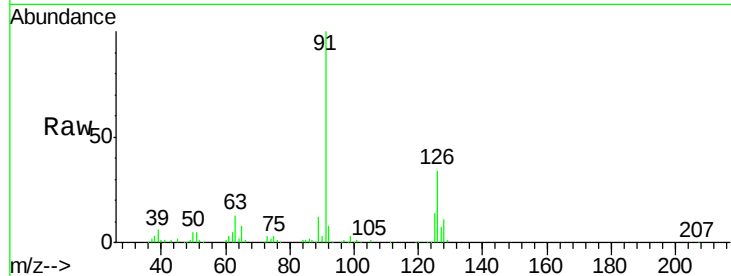
126 34.0 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061887.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN061887.D (-3320) (-)

12.75

200000

150000

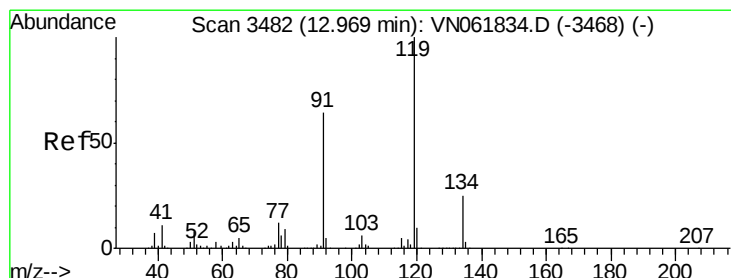
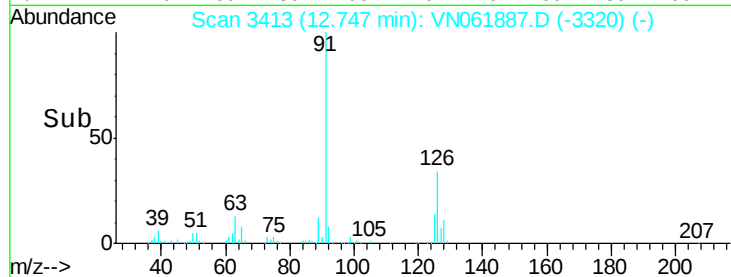
100000

50000

0

12.70 12.80

Time-->



#83

tert-Butylbenzene

Concen: 54.541 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

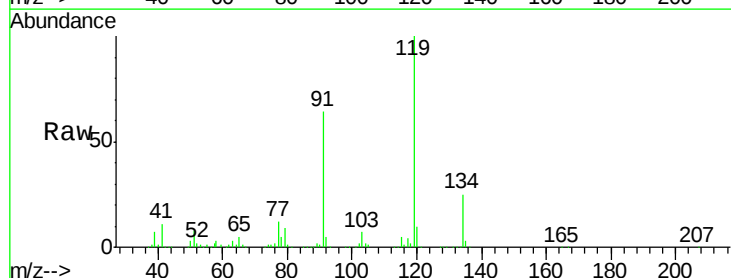
Tgt Ion: 119 Resp: 329063

Ion Ratio Lower Upper

119 100

91 62.5 31.5 94.5

134 27.1 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): VN061887.D (-3389) (-)

Ion 91.00 (90.70 to 91.70): VN061887.D (-3389) (-)

Ion 134.00 (133.70 to 134.70): VN061887.D (-3389) (-)

12.97

250000

200000

150000

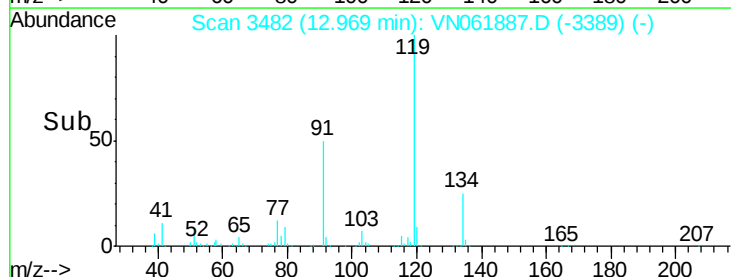
100000

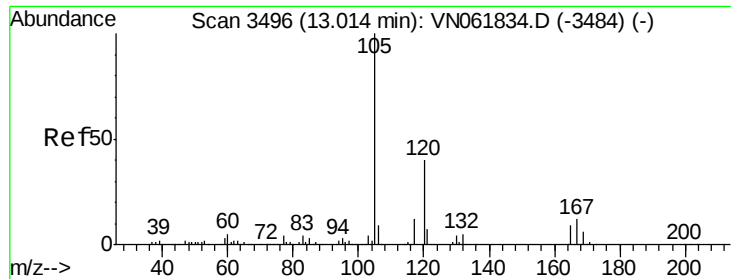
50000

0

12.90 12.95 13.00

Time-->





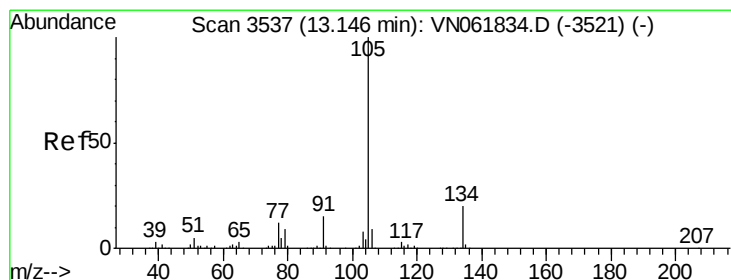
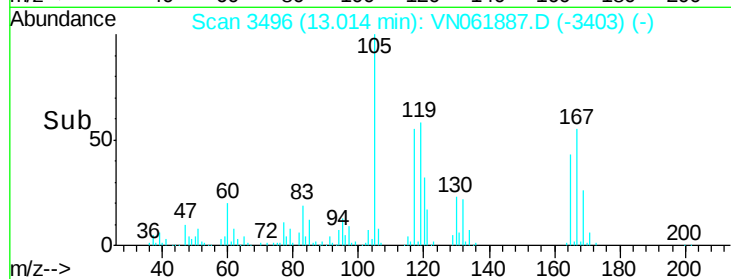
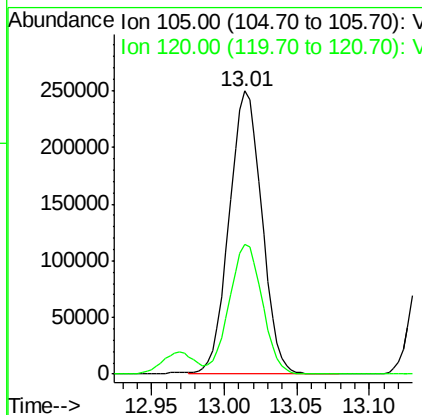
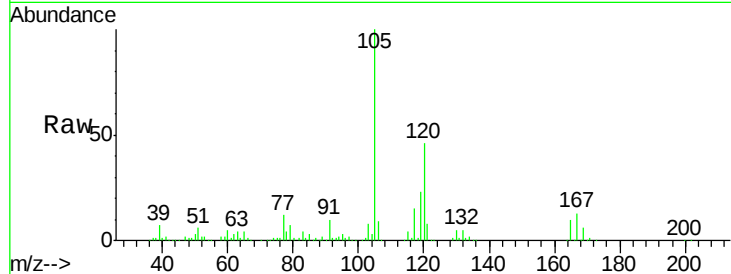
#84
 1,2,4-Trimethylbenzene
 Concen: 55.548 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.9

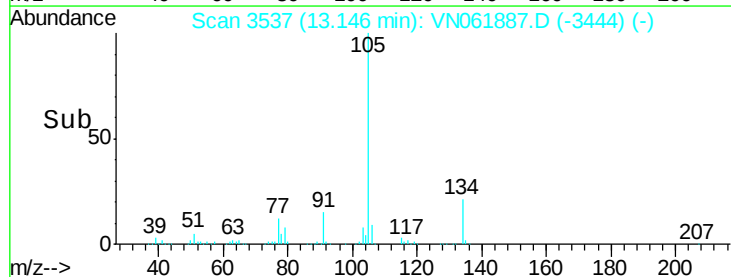
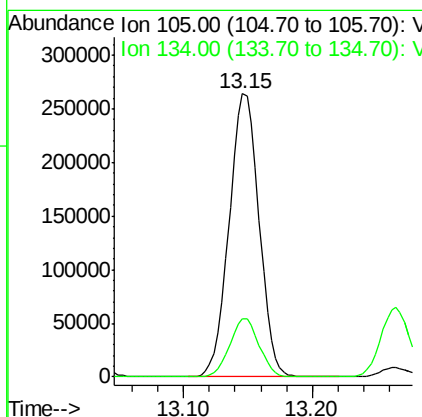
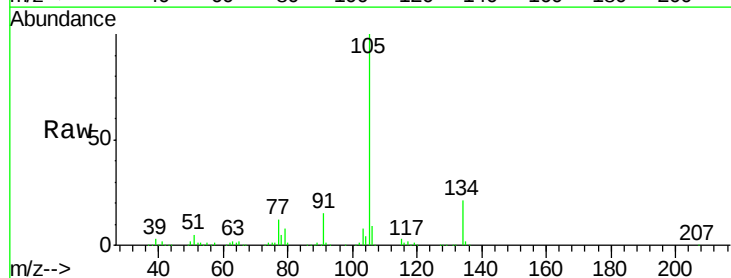
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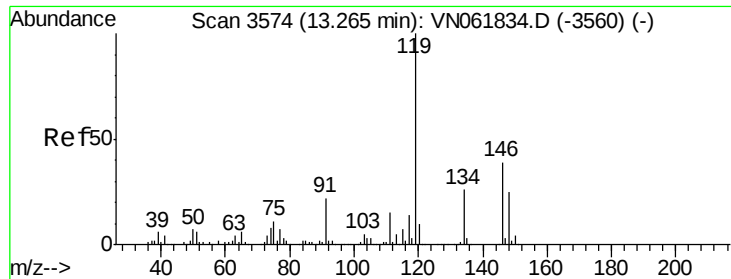
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#85
 sec-Butylbenzene
 Concen: 53.764 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1





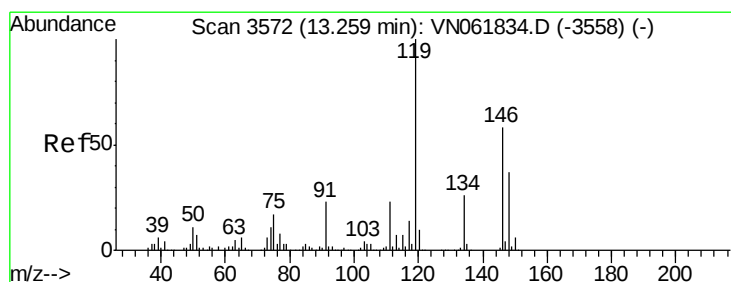
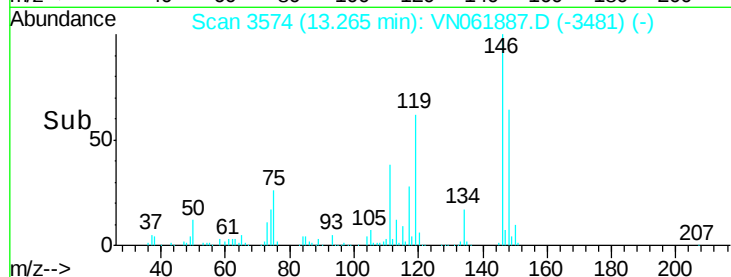
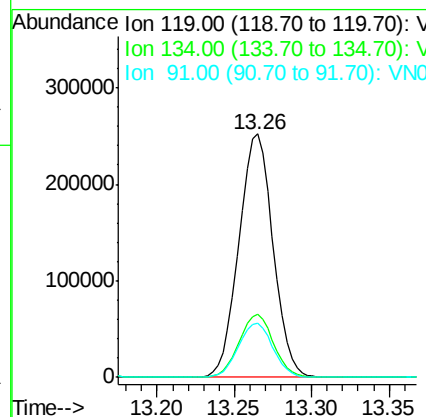
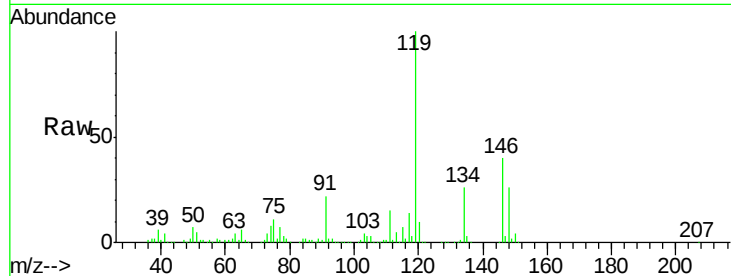
#86
 p-Isopropyltoluene
 Concen: 54.829 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	385816		
134	26.0		13.3	39.9
91	22.6		11.2	33.6

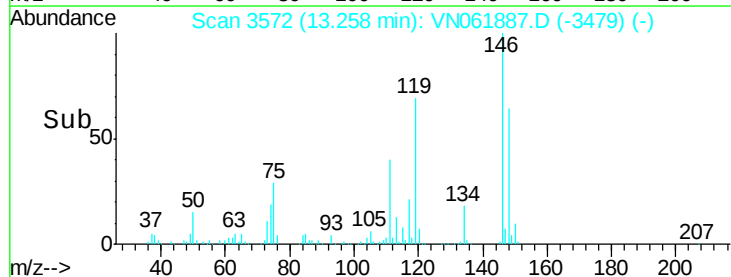
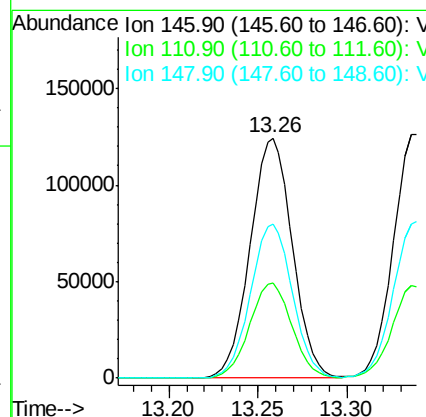
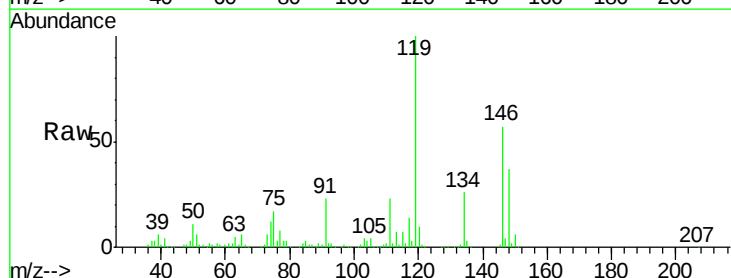
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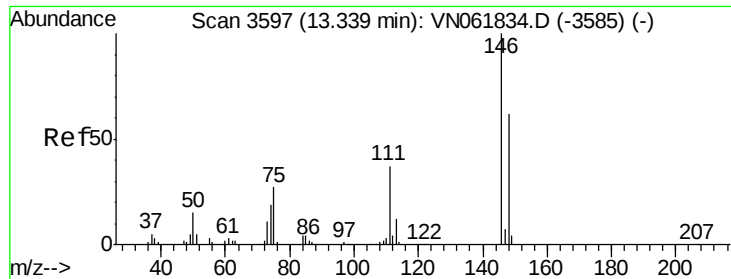
MMDadoda
 6/18/2020 9:37:09 AM



#87
 1,3-Dichlorobenzene
 Concen: 52.040 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	205979		
111	39.6		19.6	58.8
148	63.9		31.8	95.4





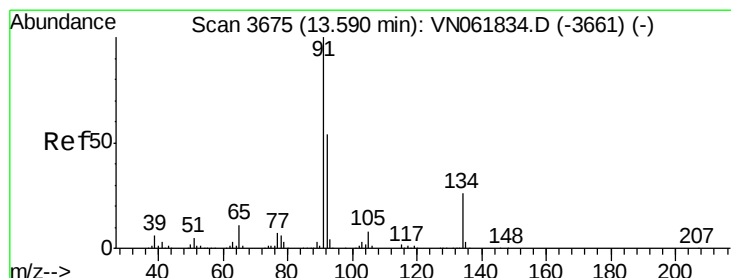
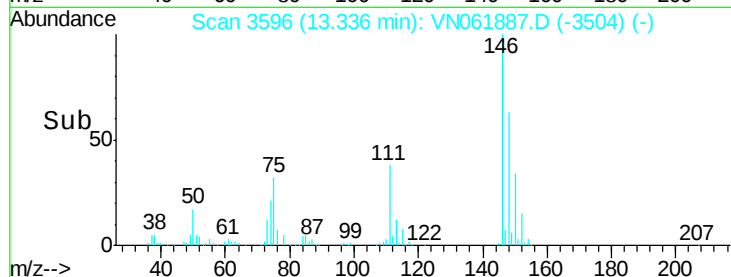
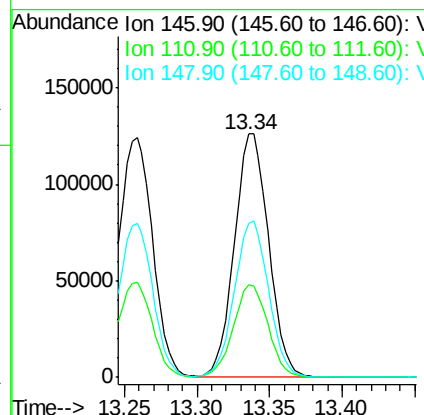
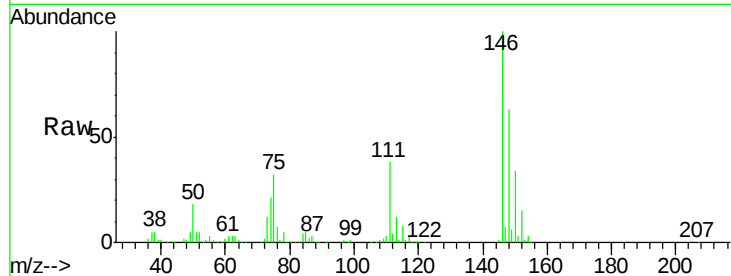
#88
 1,4-Dichlorobenzene
 Concen: 51.052 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.8
148	63.9	31.6	94.7

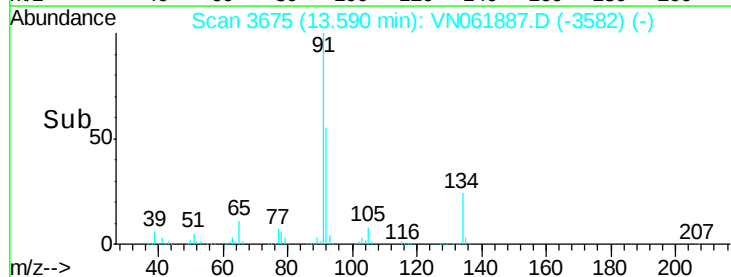
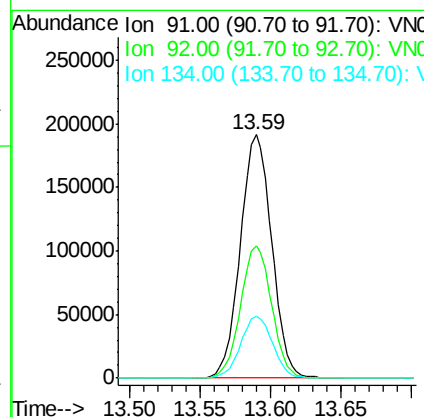
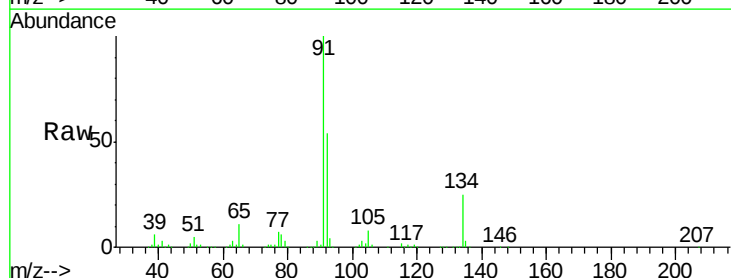
Manual Integrations
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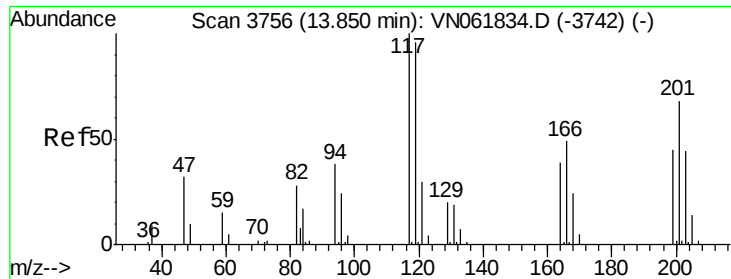
MMDadoda
 6/18/2020 9:37:09 AM



#89
 n-Butylbenzene
 Concen: 50.959 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.0	80.8
134	25.9	13.0	39.0





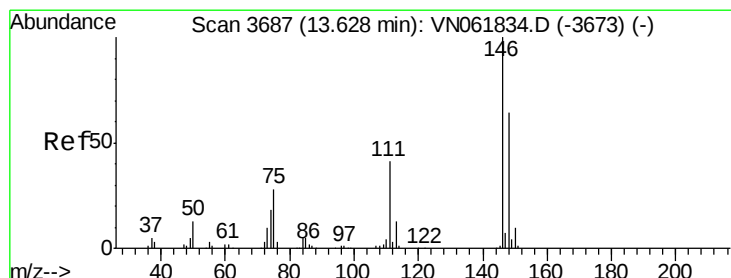
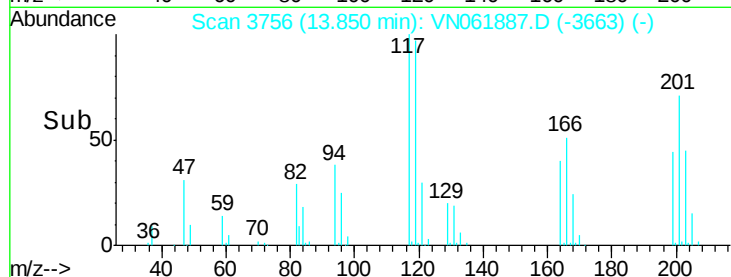
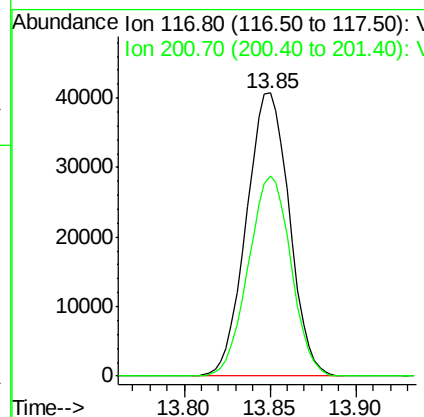
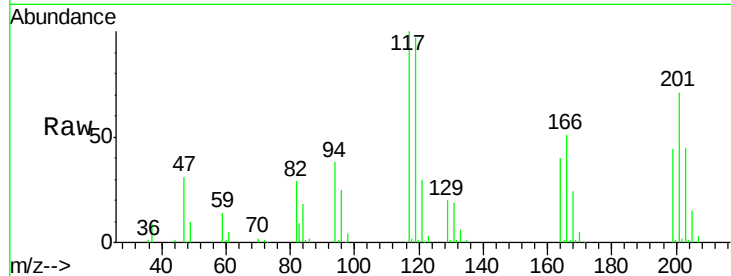
#90
Hexachloroethane
Concen: 54.755 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20200611MSD

Tot Ion:117 Resp: 70529
Ion Ratio Lower Upper
117 100
201 70.0 34.6 103.8

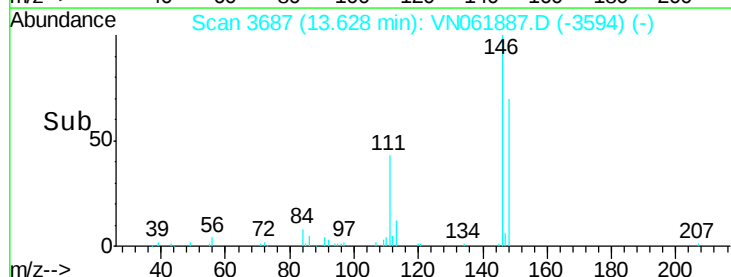
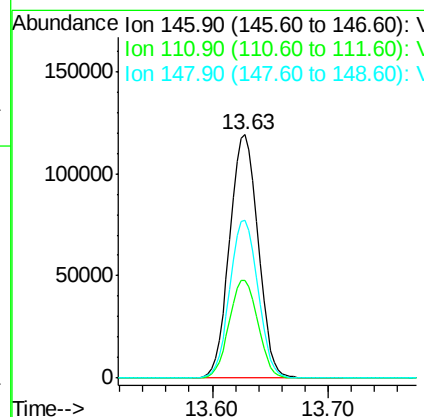
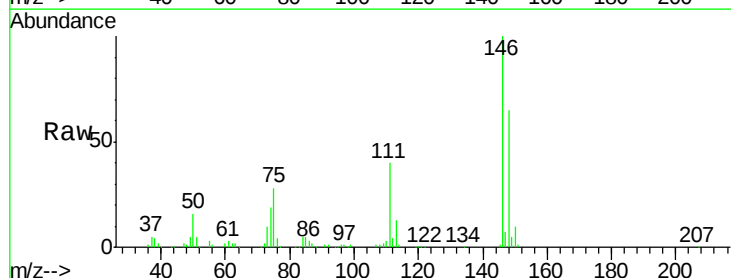
Manual Integrations
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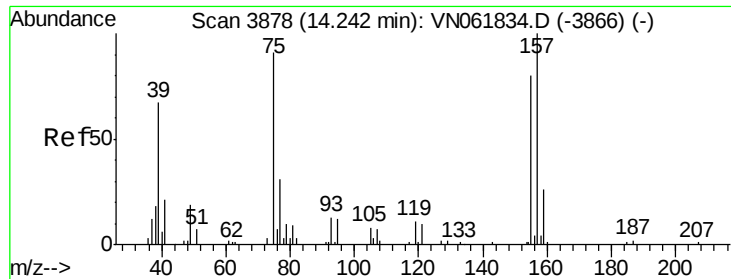
MMDadoda
6/18/2020 9:37:09 AM



#91
1,2-Dichlorobenzene
Concen: 53.097 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VN061887.D
Acq: 18 Jun 2020 7:29

Tgt Ion:146 Resp: 202326
Ion Ratio Lower Upper
146 100
111 40.4 20.4 61.2
148 64.4 31.8 95.4





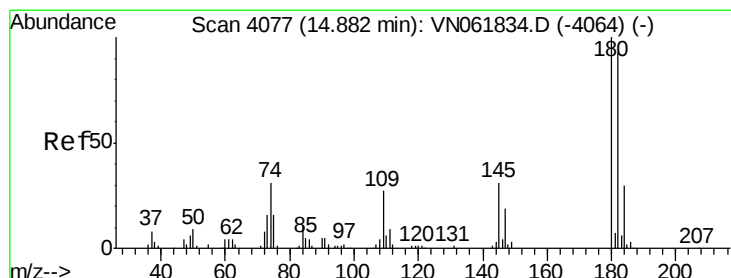
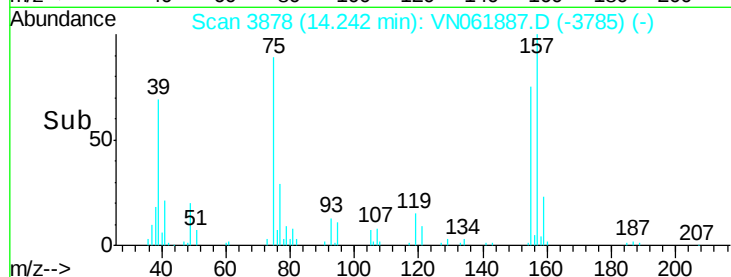
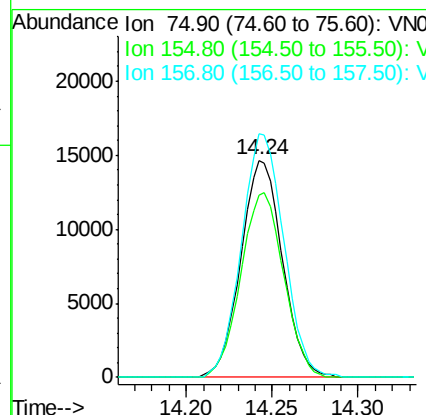
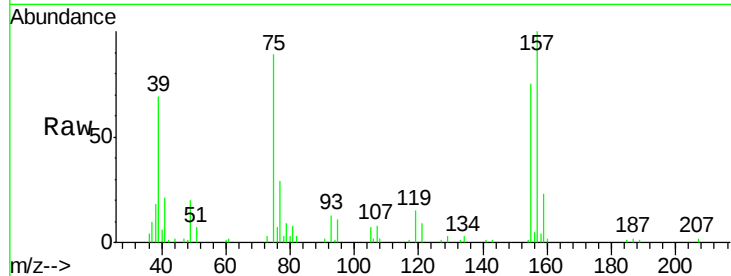
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.278 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	87.5	44.4	133.2
157	114.1	57.0	171.2

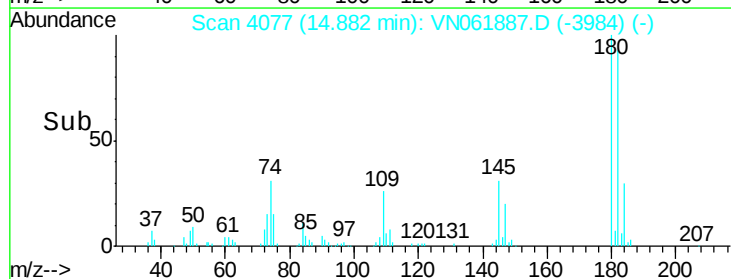
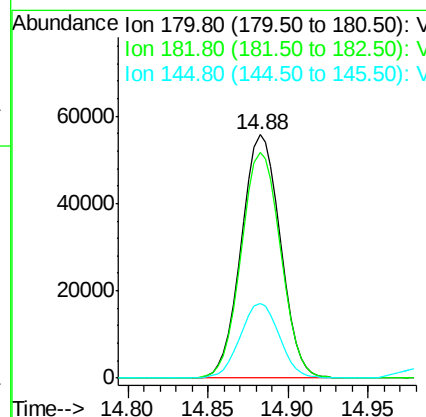
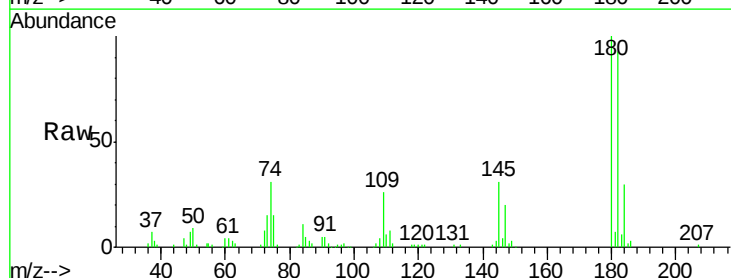
Manual Integrations
 APPROVED

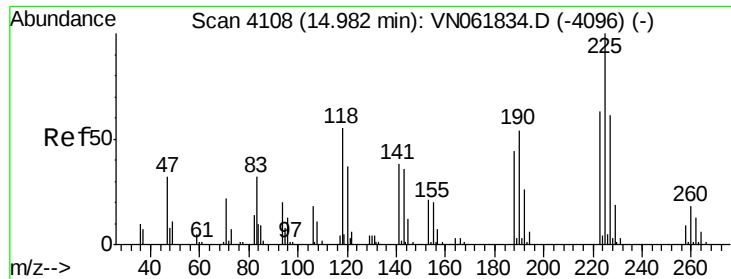
MMDadoda
 6/18/2020 9:37:09 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.538 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.2
145	30.7	15.8	47.3





#94

Hexachlorobutadiene

Concen: 48.208 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Instrument :

MSVOA_N

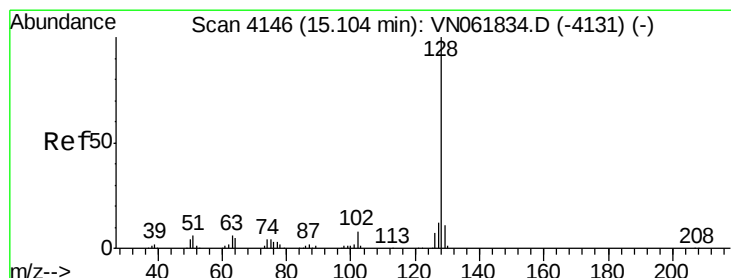
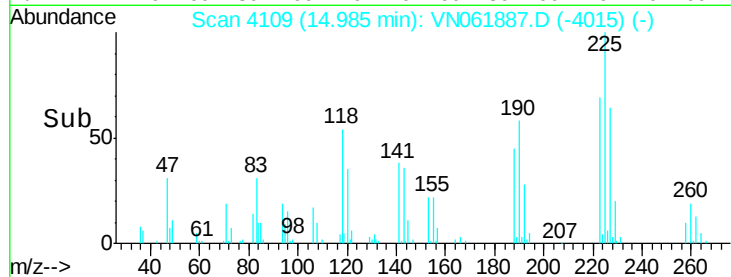
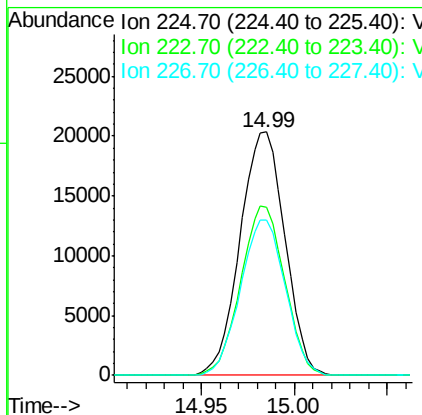
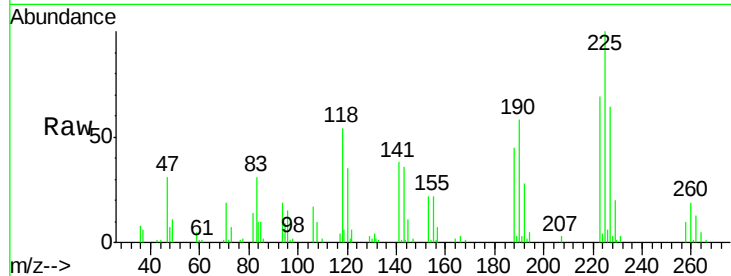
ClientSampleId :

RE117D1-20200611MSD

Tot Ion:	225	Resp:	34140
Ion Ratio	Lower	Upper	
225	100		
223	68.2	31.7	95.1
227	63.7	30.1	90.3

Manual Integrations
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#95

Naphthalene

Concen: 47.515 ug/l

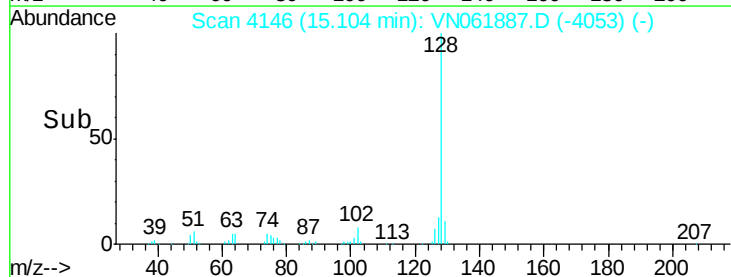
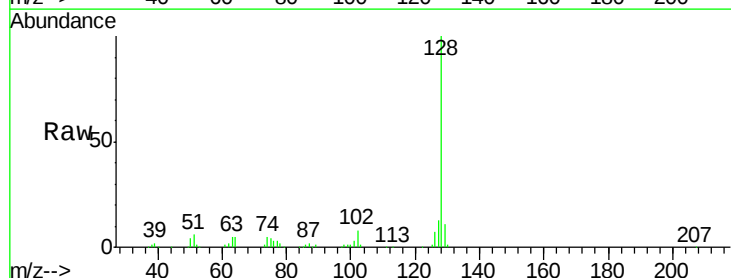
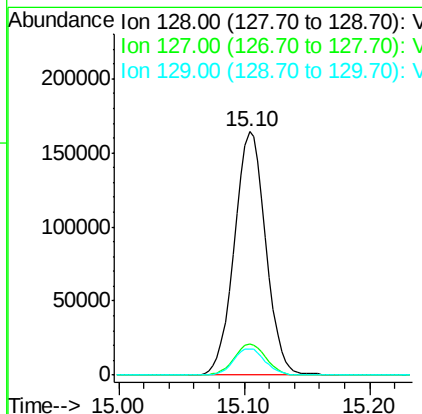
RT: 15.10 min Scan# 4146

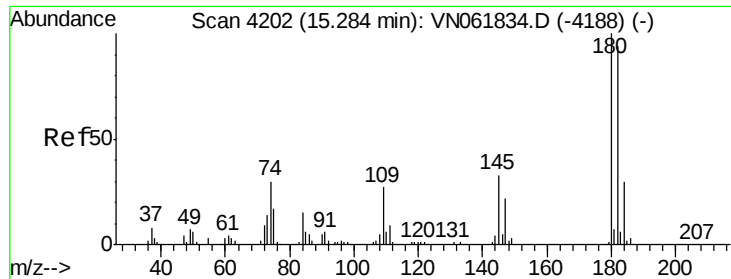
Delta R.T. 0.00 min

Lab File: VN061887.D

Acq: 18 Jun 2020 7:29

Tgt Ion:	128	Resp:	284986
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 53.413 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN061887.D
 Acq: 18 Jun 2020 7:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Tot Ion:	180	Resp:	95115
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.6
145	33.2	16.5	49.5

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 9:37:09 AM

