

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062971.D
 Acq On : 17 Aug 2020 14:38
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:54 AM

Quant Time: Aug 17 15:04:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	234941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	330833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165317	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	117285	32.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.02%	
35) Dibromofluoromethane	7.55	113	104167	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.06	98	410956	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
62) 4-Bromofluorobenzene	12.38	95	143352	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	143645	44.232	ug/l	100
3) Chloromethane	2.03	50	130252	42.126	ug/l	100
4) Vinyl Chloride	2.16	62	175935	57.548	ug/l	100
5) Bromomethane	2.51	94	106139	52.345	ug/l	100
6) Chloroethane	2.66	64	111206	55.465	ug/l	100
7) Trichlorofluoromethane	2.98	101	228565	43.900	ug/l	100
8) Diethyl Ether	3.37	74	63133	42.682	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	98448	42.357	ug/l	100
10) Methyl Iodide	3.91	142	141407	54.444	ug/l	100
11) Tert butyl alcohol	4.74	59	97757	167.104	ug/l	100
12) 1,1-Dichloroethene	3.69	96	92756	42.064	ug/l	100
13) Acrolein	3.57	56	65365	180.040	ug/l	100
14) Allyl chloride	4.27	41	150448	37.877	ug/l	100
15) Acrylonitrile	4.93	53	295769	208.428	ug/l	100
16) Acetone	3.77	43	213314	161.408	ug/l	100
17) Carbon Disulfide	4.01	76	254305	39.156	ug/l	100
18) Methyl Acetate	4.28	43	122082	34.298	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	342272	39.426	ug/l	100
20) Methylene Chloride	4.50	84	116648	41.417	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	102203	44.101	ug/l	100
22) Diisopropyl ether	5.90	45	346936	41.236	ug/l	100
23) Vinyl Acetate	5.84	43	1179502	185.372	ug/l	100
24) 1,1-Dichloroethane	5.80	63	195187	39.354	ug/l	100
25) 2-Butanone	6.79	43	323596	173.771	ug/l	100
26) 2,2-Dichloropropane	6.78	77	145594	32.573	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	118924	42.995	ug/l	100
28) Bromochloromethane	7.15	49	94989	39.606	ug/l	100
29) Tetrahydrofuran	7.17	42	221186	182.410	ug/l	100
30) Chloroform	7.33	83	194435	37.200	ug/l	100
31) Cyclohexane	7.61	56	179527	39.702	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	161732	35.083	ug/l	100
36) 1,1-Dichloropropene	7.75	75	133367	42.537	ug/l	100
37) Ethyl Acetate	6.88	43	123704	38.445	ug/l	100
38) Carbon Tetrachloride	7.73	117	146980	39.747	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	187335	48.529	ug/l	100
40) Benzene	8.00	78	433405	45.519	ug/l	100
41) Methacrylonitrile	7.12	41	53414	37.689	ug/l	100
42) 1,2-Dichloroethane	8.09	62	139956	35.989	ug/l	100
43) Isopropyl Acetate	8.13	43	202185	37.739	ug/l	100
44) Trichloroethene	8.80	130	116313	49.315	ug/l	100
45) 1,2-Dichloropropane	9.09	63	115841	45.315	ug/l	100
46) Dibromomethane	9.18	93	76088	45.380	ug/l	100
47) Bromodichloromethane	9.37	83	156828	42.325	ug/l	100
48) Methyl methacrylate	9.17	41	99664	37.943	ug/l	100
49) 1,4-Dioxane	9.17	88	43008	872.769	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	685504	198.097	ug/l	100
52) Toluene	10.12	92	282792	48.016	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	168898	41.608	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	185489	44.785	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	117848	46.725	ug/l	100
56) Ethyl methacrylate	10.40	69	169165	45.771	ug/l	100
57) 1,3-Dichloropropane	10.68	76	189318	44.914	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	190751	186.487	ug/l	100
59) 2-Hexanone	10.72	43	507074	197.471	ug/l	100
60) Dibromochloromethane	10.87	129	134824	47.222	ug/l	100
61) 1,2-Dibromoethane	10.98	107	119853	48.226	ug/l	100
64) Tetrachloroethene	10.60	164	108518	52.175	ug/l	100
65) Chlorobenzene	11.41	112	320700	48.462	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	124966	47.387	ug/l	100
67) Ethyl Benzene	11.48	91	547020	46.842	ug/l	100
68) m/p-Xylenes	11.60	106	430552	100.571	ug/l	100
69) o-Xylene	11.92	106	204509	51.089	ug/l	100
70) Styrene	11.94	104	361668	51.433	ug/l	100
71) Bromoform	12.10	173	110047	50.513	ug/l #	100
73) Isopropylbenzene	12.22	105	554105	45.463	ug/l	100
74) N-amyl acetate	12.05	43	185065	38.939	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	178595	41.665	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	159746m	37.325	ug/l	
77) Bromobenzene	12.50	156	152606	49.110	ug/l	100
78) n-propylbenzene	12.57	91	635766	44.590	ug/l	100
79) 2-Chlorotoluene	12.65	91	375036	42.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	486452	46.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	58572	42.117	ug/l	100
82) 4-Chlorotoluene	12.75	91	396821	43.178	ug/l	100
83) tert-Butylbenzene	12.97	119	416951	46.469	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	479625	47.472	ug/l	100
85) sec-Butylbenzene	13.15	105	546160	46.414	ug/l	100
86) p-Isopropyltoluene	13.26	119	502568	48.060	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	271723	49.348	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	269513	48.641	ug/l	100
89) n-Butylbenzene	13.59	91	395246	45.000	ug/l	100
90) Hexachloroethane	13.85	117	92266	41.241	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	262473	50.671	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31627	35.752	ug/l	100

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Manual Integrations
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QLast Update : Mon Aug 17 14:58:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	134441	54.821	ug/l	100
94) Hexachlorobutadiene	14.98	225	96342	52.391	ug/l	100
95) Naphthalene	15.10	128	313523	49.811	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	132783	55.938	ug/l	100

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

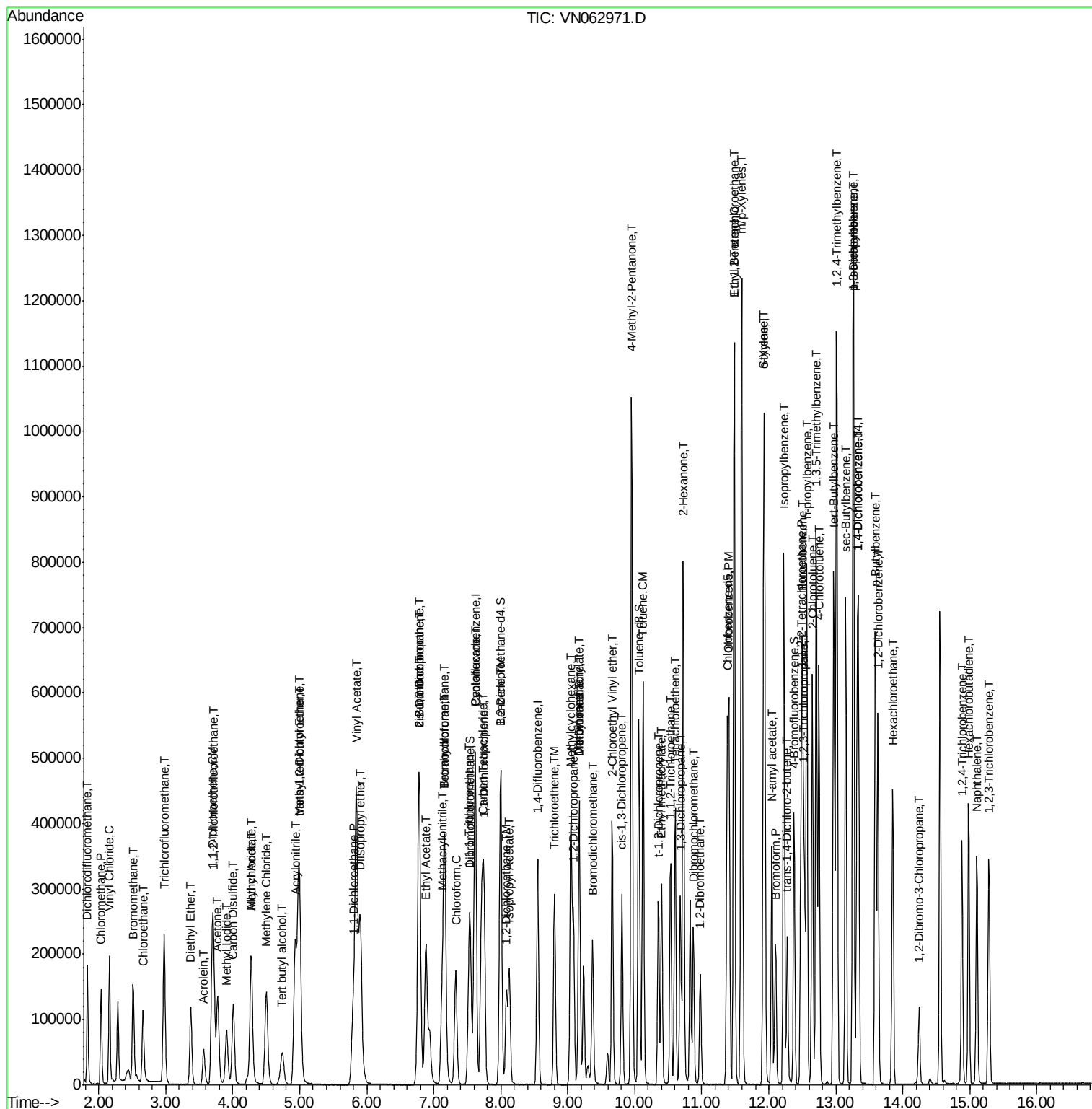
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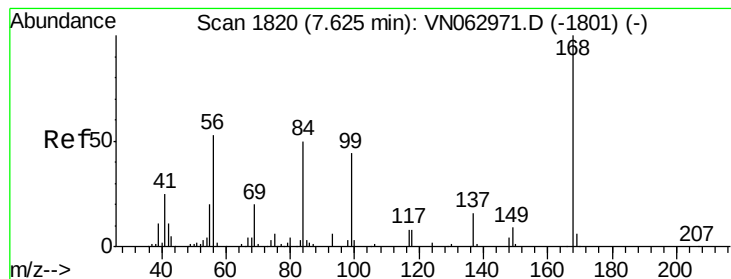
Instrument :
MSVOA_N
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VSTDICCC050

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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: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 234941

Ion Ratio Lower Upper

168 100

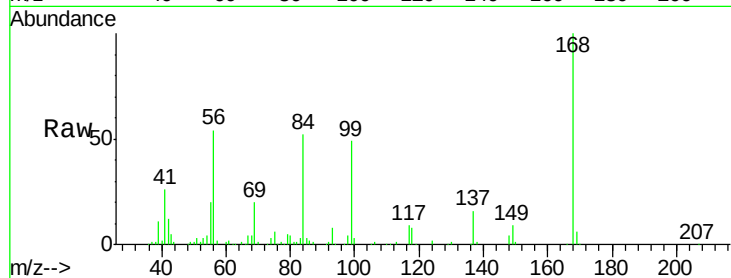
99 49.2 39.4 59.0

Manual Integrations

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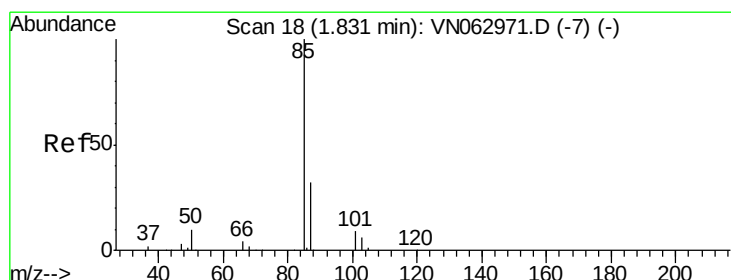
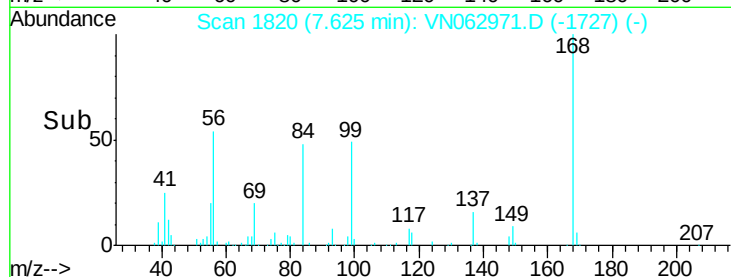
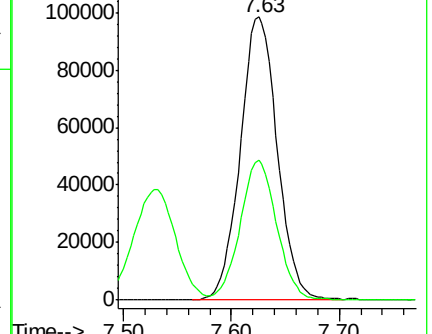
MMDadoda

8/18/2020 11:12:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.232 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062971.D

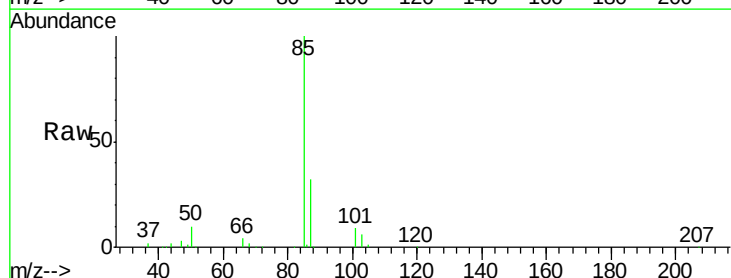
Acq: 17 Aug 2020 14:38

Tgt Ion: 85 Resp: 143645

Ion Ratio Lower Upper

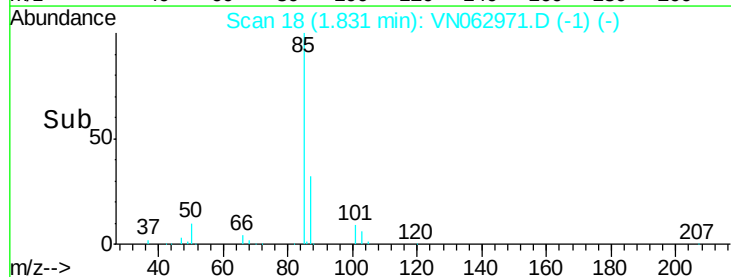
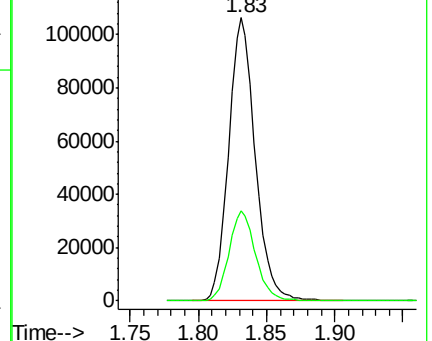
85 100

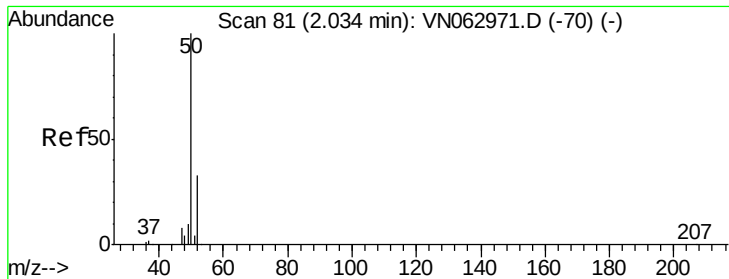
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.126 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 130252

Ion Ratio Lower Upper

50 100

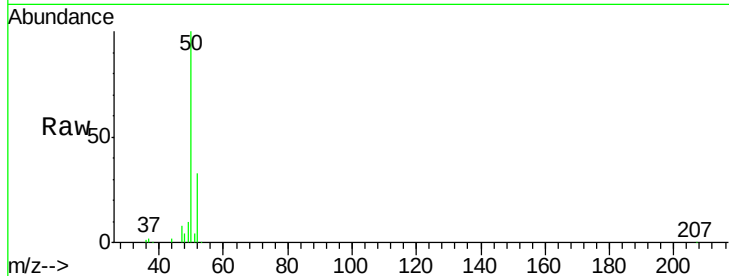
52 32.7 26.2 39.2

Manual Integrations

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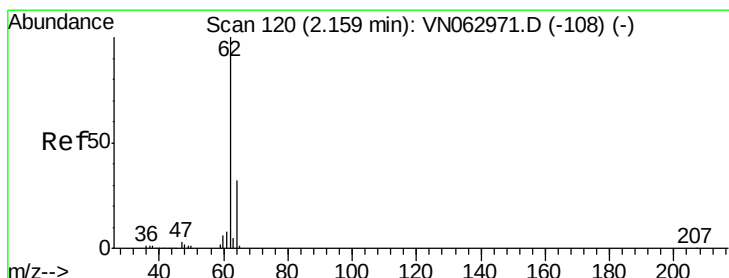
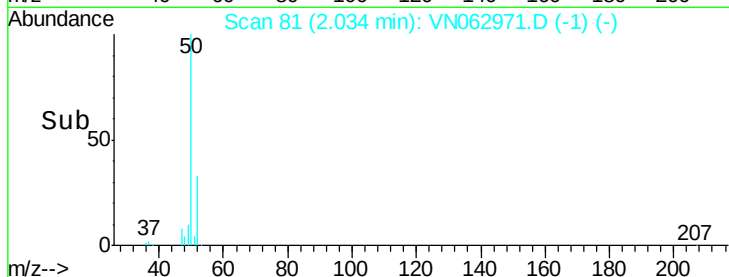
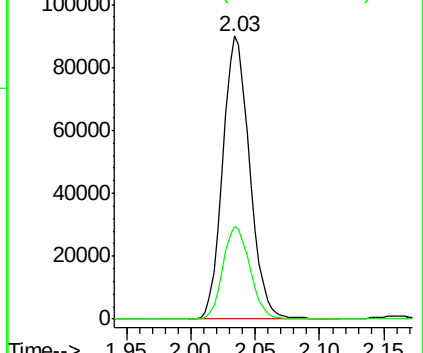
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 57.548 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062971.D

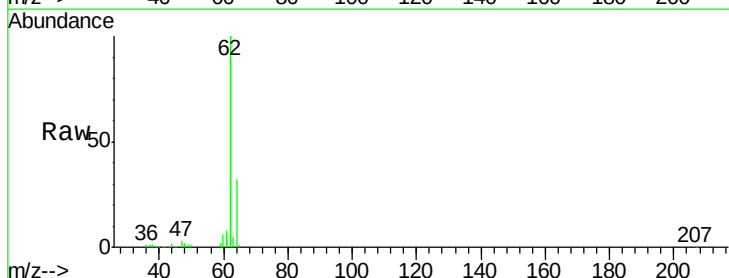
Acq: 17 Aug 2020 14:38

Tgt Ion: 62 Resp: 175935

Ion Ratio Lower Upper

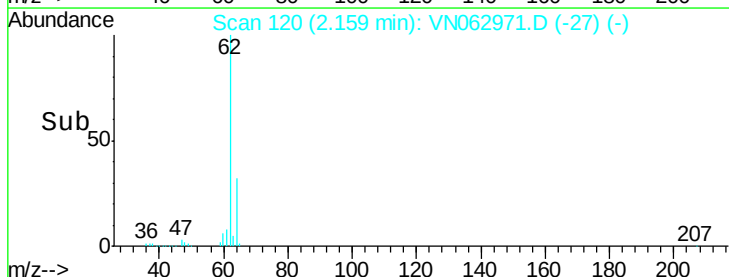
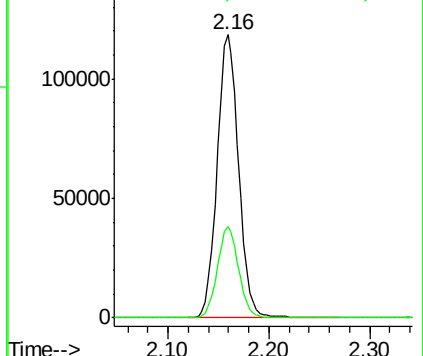
62 100

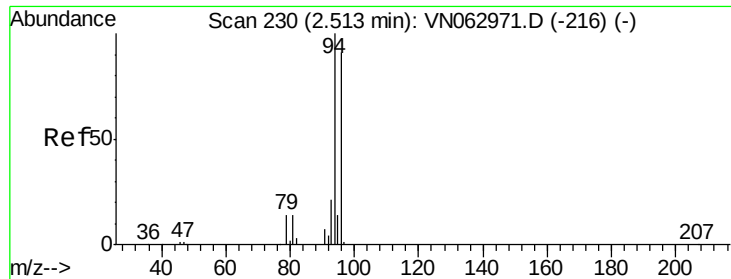
64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.345 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 106139

Ion Ratio Lower Upper

94 100

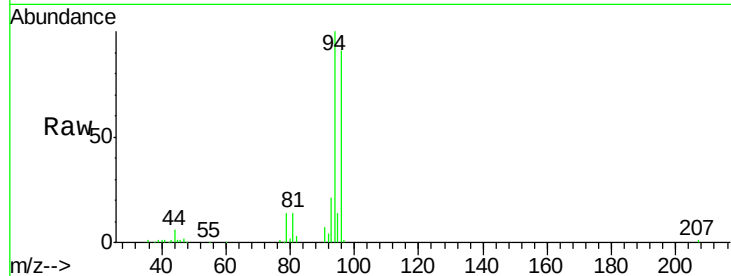
96 91.1 72.9 109.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN062971.D (-216) (-)

Ion 95.90 (95.60 to 96.60): VN062971.D (-216) (-)

60000

50000

40000

30000

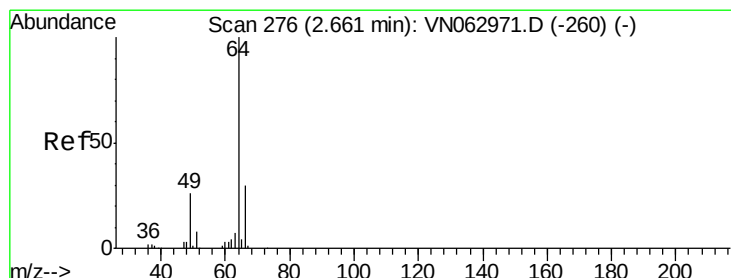
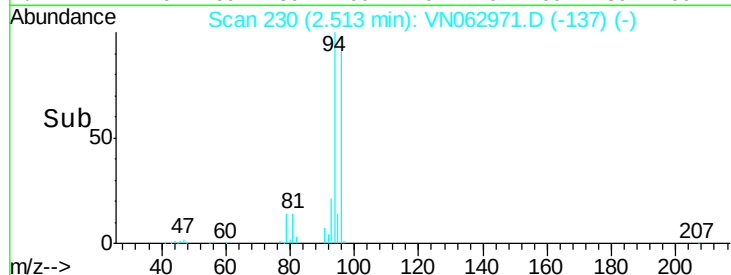
20000

10000

0

2.45 2.50 2.55

Time-->



#6

Chloroethane

Concen: 55.465 ug/l

RT: 2.66 min Scan# 276

Delta R.T. 0.00 min

Lab File: VN062971.D

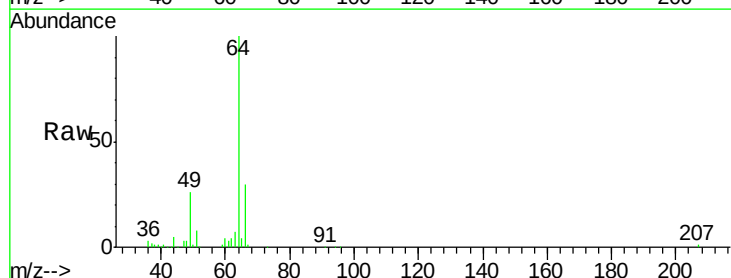
Acq: 17 Aug 2020 14:38

Tgt Ion: 64 Resp: 111206

Ion Ratio Lower Upper

64 100

66 29.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VN062971.D (-260) (-)

Ion 65.90 (65.60 to 66.60): VN062971.D (-260) (-)

60000

50000

40000

30000

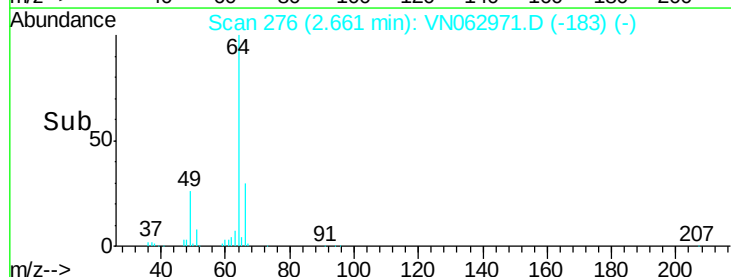
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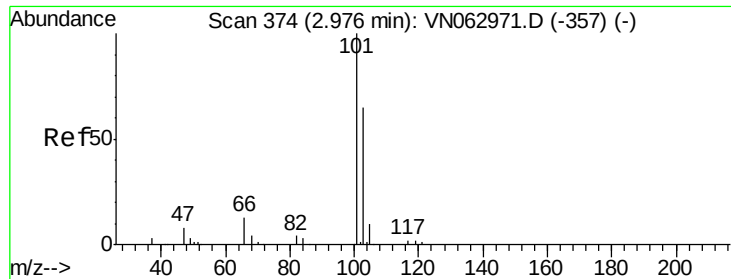
10000

0

2.60 2.70

Time-->





#7

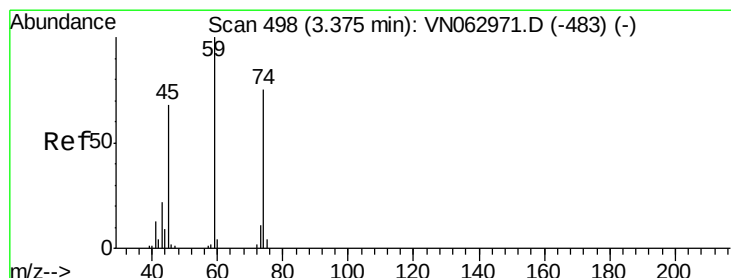
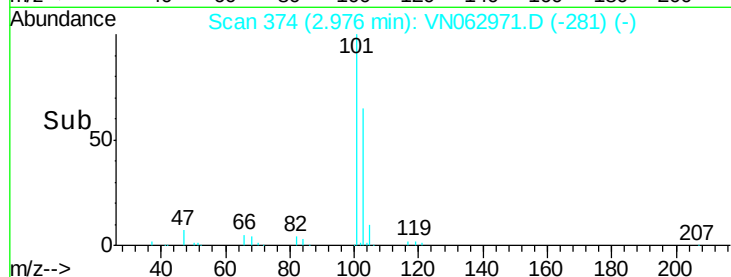
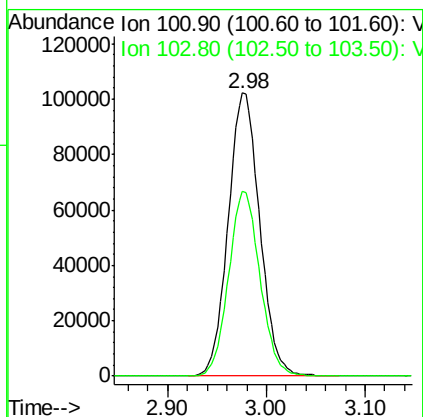
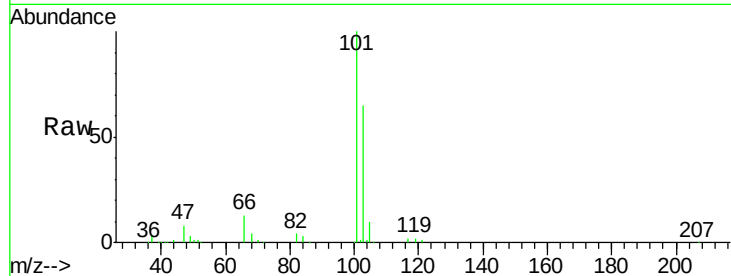
Trichlorofluoromethane
Concen: 43.900 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

Manual Integrations
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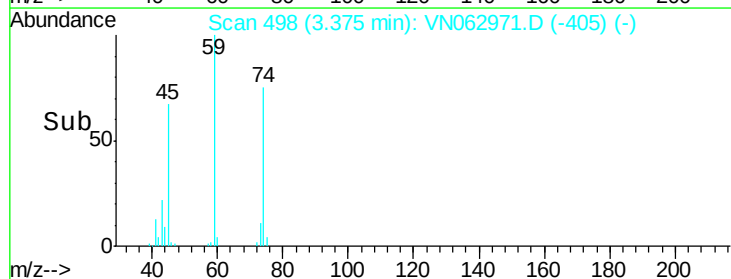
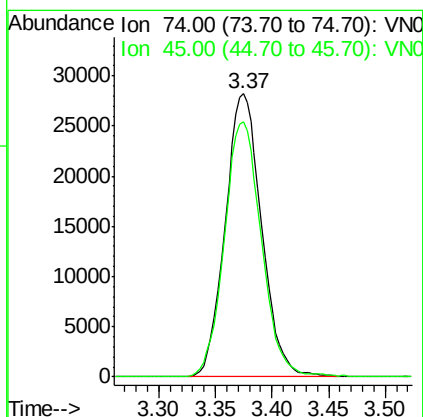
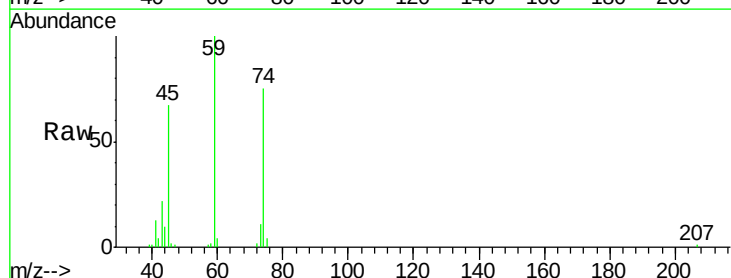
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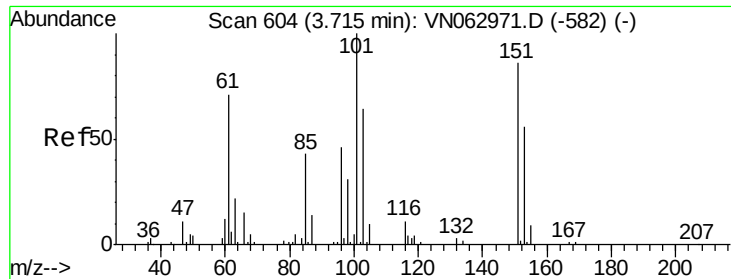


#8

Diethyl Ether
Concen: 42.682 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.357 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

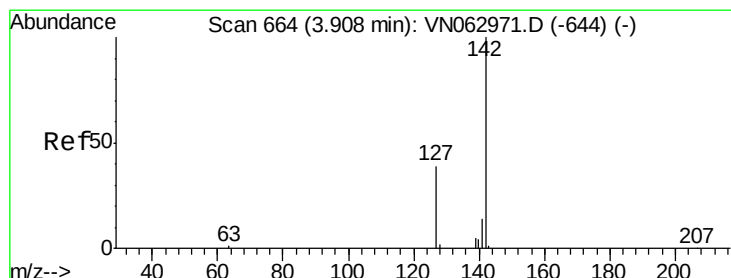
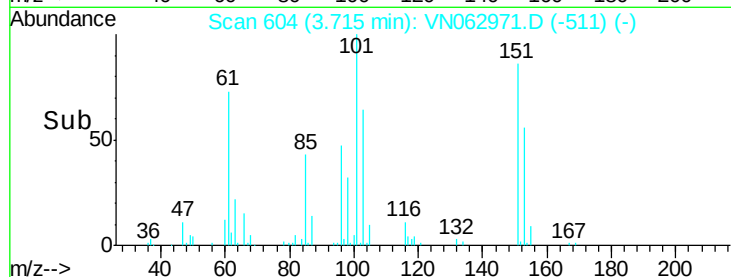
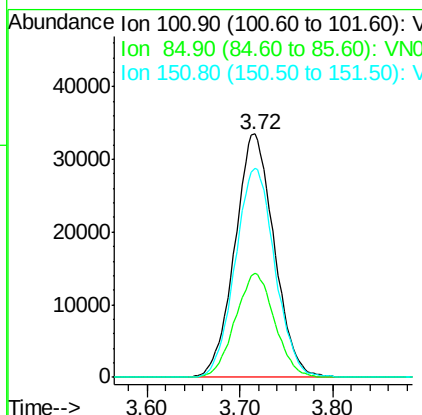
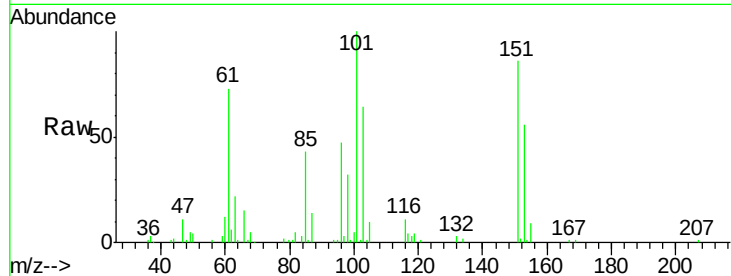
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	98448
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.1	51.1
151	86.6	69.3	103.9

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#10

Methyl Iodide

Concen: 54.444 ug/l

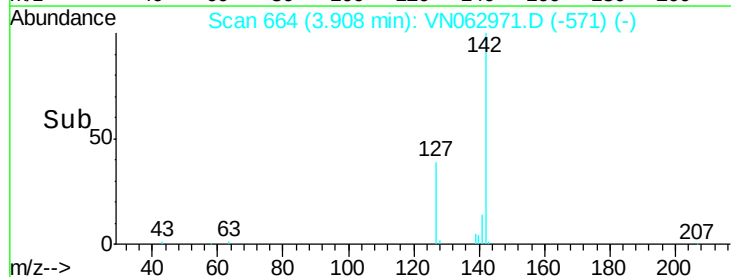
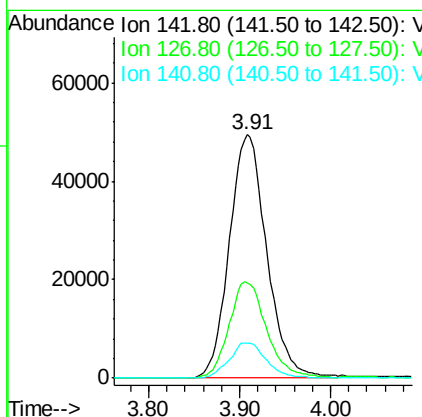
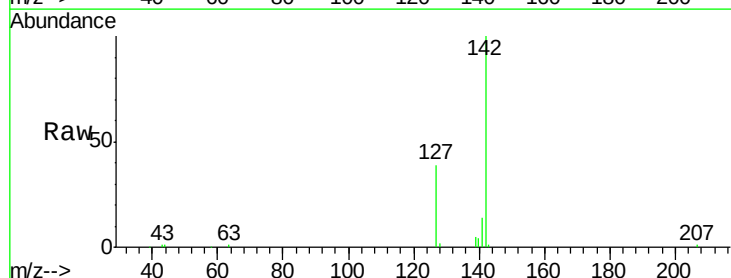
RT: 3.91 min Scan# 664

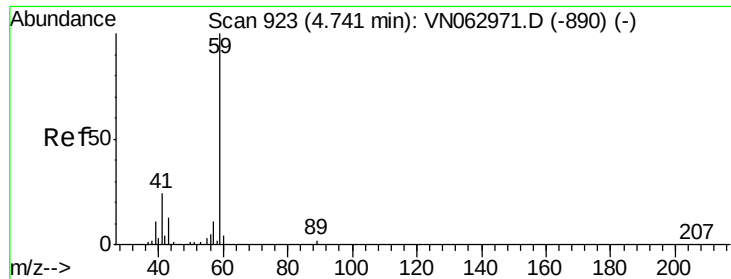
Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Tgt Ion:	142	Resp:	141407
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.9	47.9
141	14.3	11.4	17.2





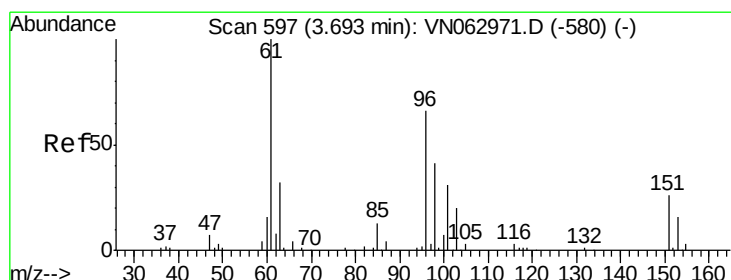
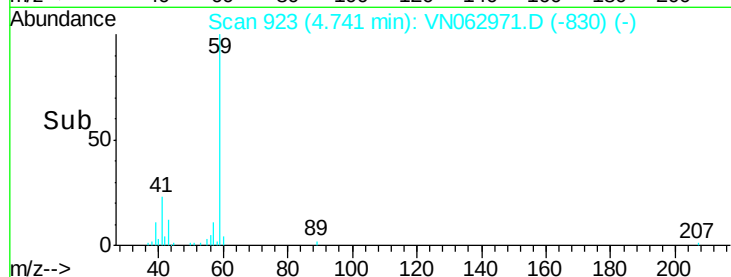
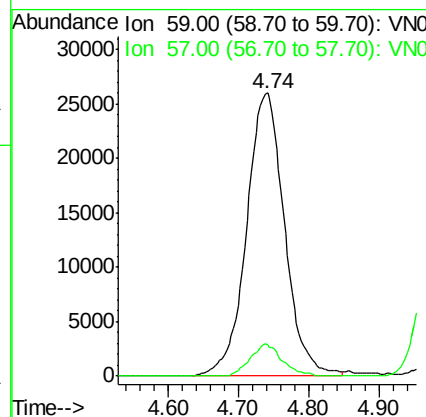
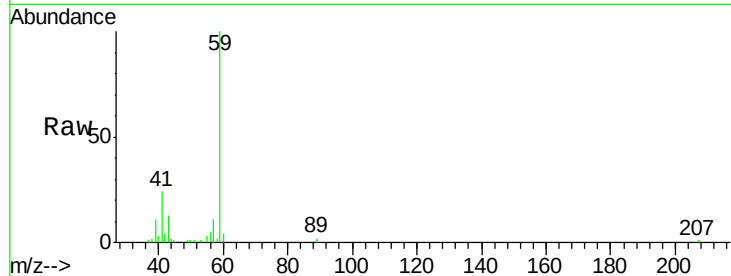
#11
Tert butyl alcohol
Concen: 167.104 ug/l
RT: 4.74 min Scan# 923
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.6	11.4

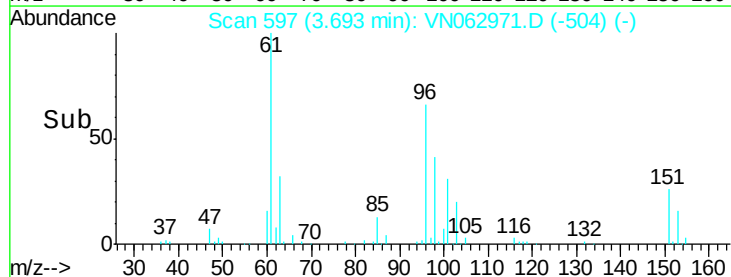
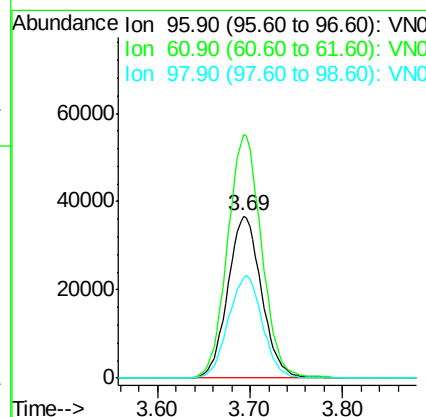
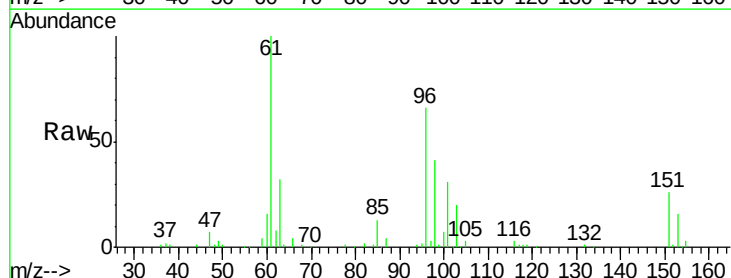
Manual Integrations
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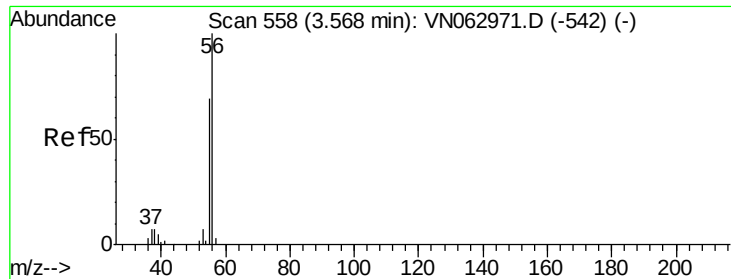
MMDadoda
8/18/2020 11:12:54 AM



#12
1,1-Dichloroethene
Concen: 42.064 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	120.4	180.6
98	62.2	49.8	74.6





#13

Acrolein

Concen: 180.040 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 65365

Ion Ratio Lower Upper

56 100

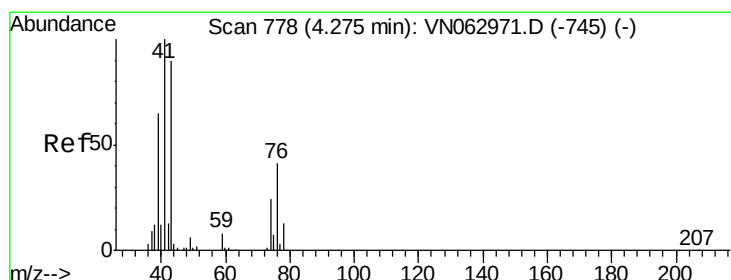
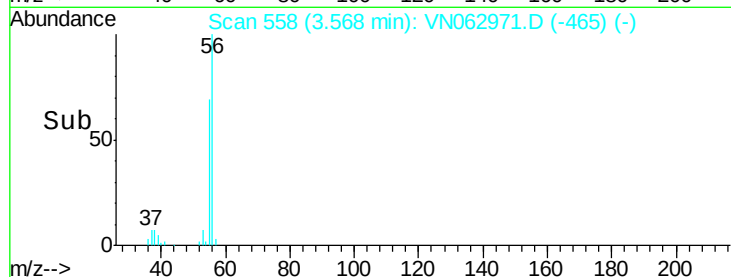
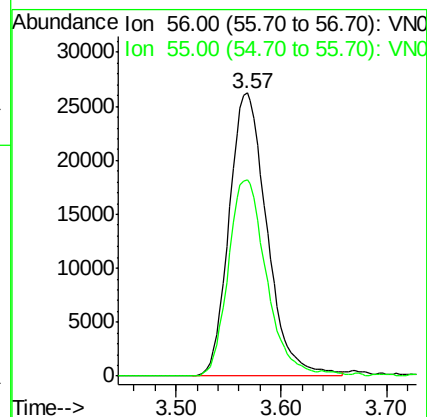
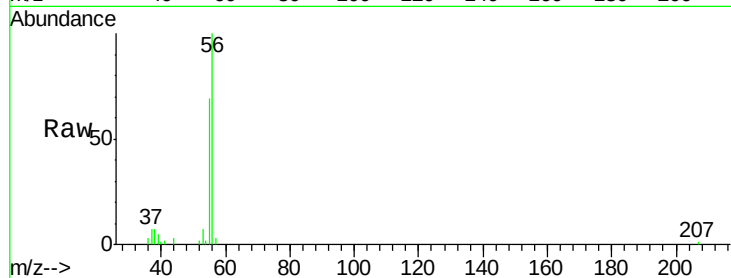
55 70.1 56.1 84.1

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#14

Allyl chloride

Concen: 37.877 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

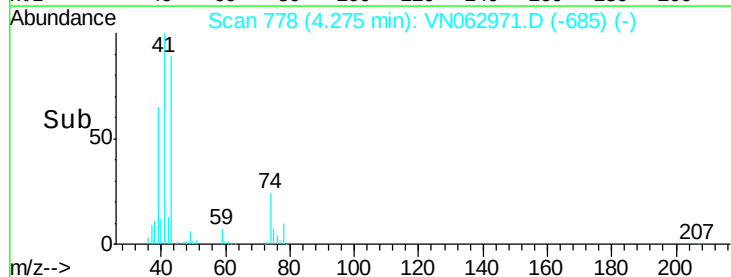
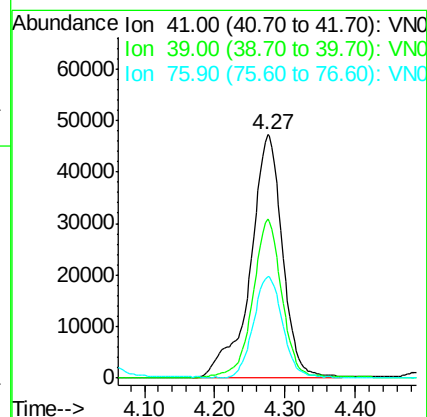
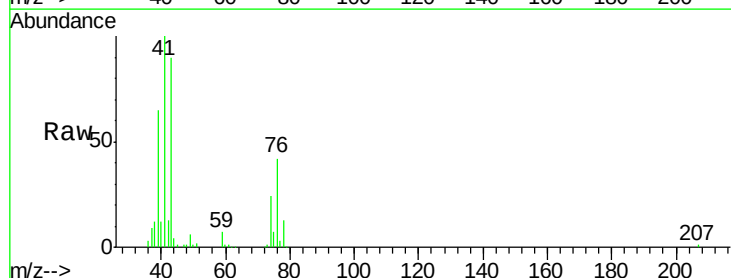
Tgt Ion: 41 Resp: 150448

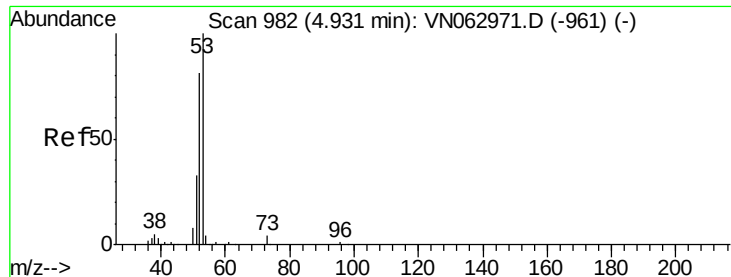
Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

76 37.8 30.2 45.4





#15

Acrylonitrile

Concen: 208.428 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

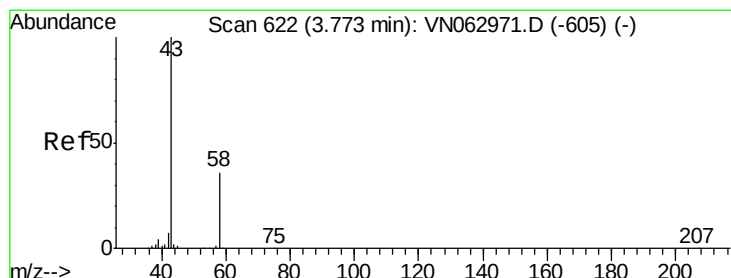
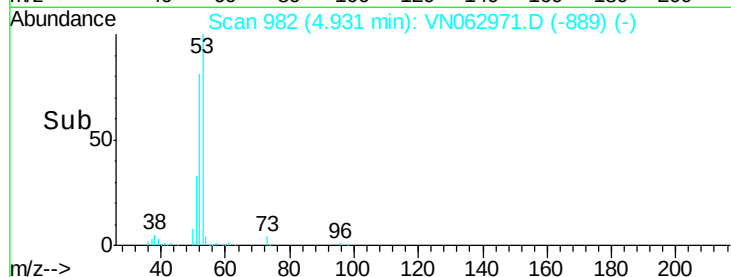
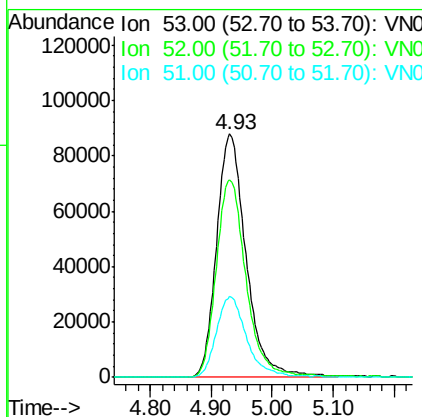
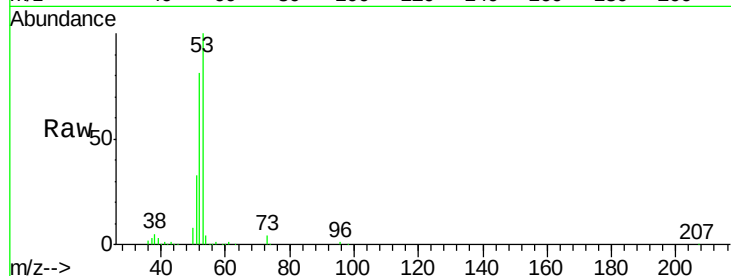
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	295769
Ion Ratio		Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.3	27.4	41.2

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#16

Acetone

Concen: 161.408 ug/l

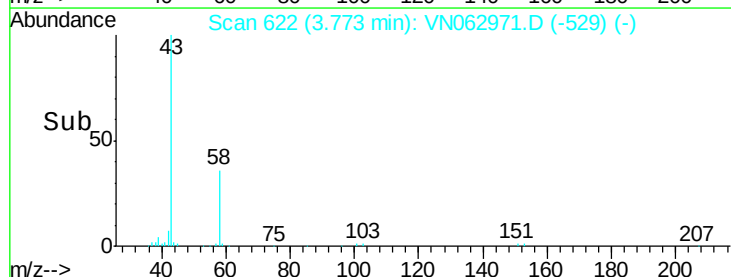
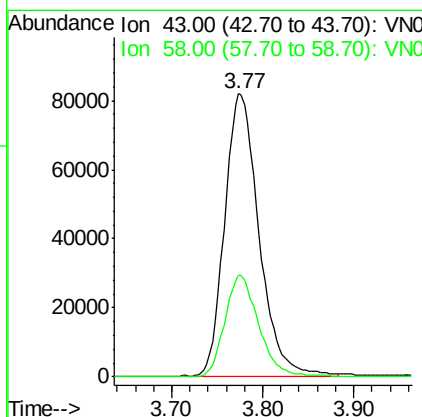
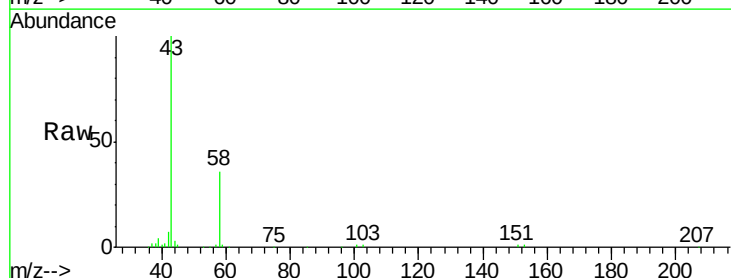
RT: 3.77 min Scan# 622

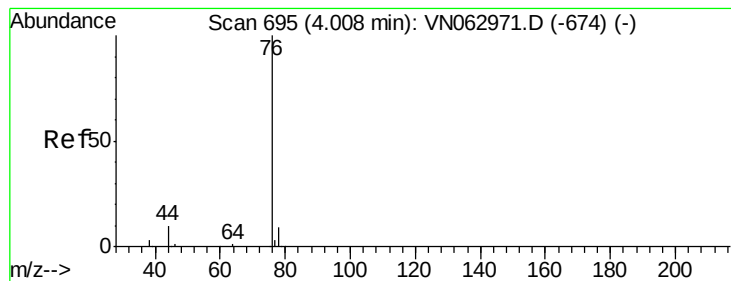
Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Tgt Ion:	43	Resp:	213314
Ion Ratio		Lower	Upper
43	100		
58	35.9	28.7	43.1





#17

Carbon Disulfide

Concen: 39.156 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 254305

Ion Ratio Lower Upper

76 100

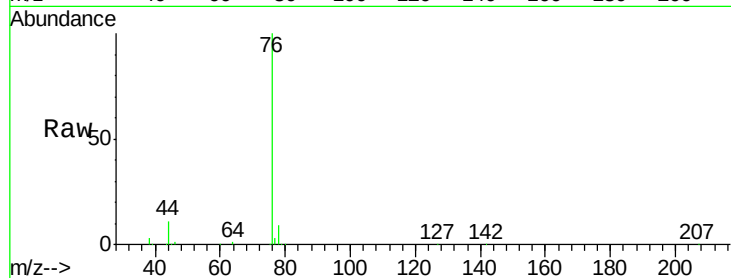
78 9.2 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN062971.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062971.D (-674) (-)

4.01

100000

80000

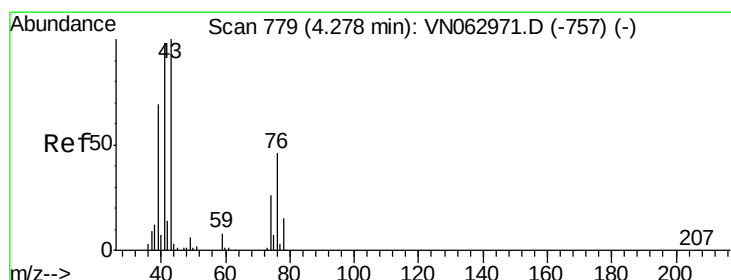
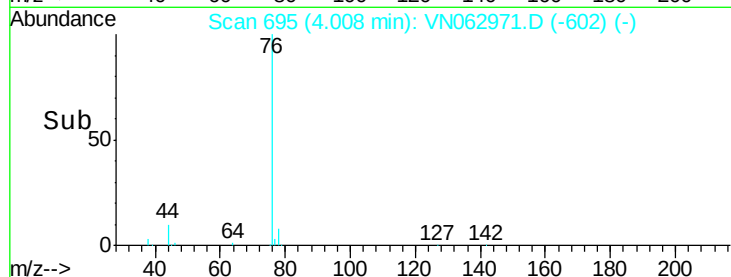
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 34.298 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062971.D

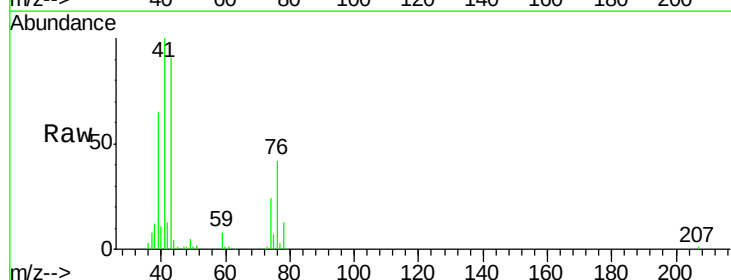
Acq: 17 Aug 2020 14:38

Tgt Ion: 43 Resp: 122082

Ion Ratio Lower Upper

43 100

74 27.0 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VN062971.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN062971.D (-757) (-)

4.28

50000

40000

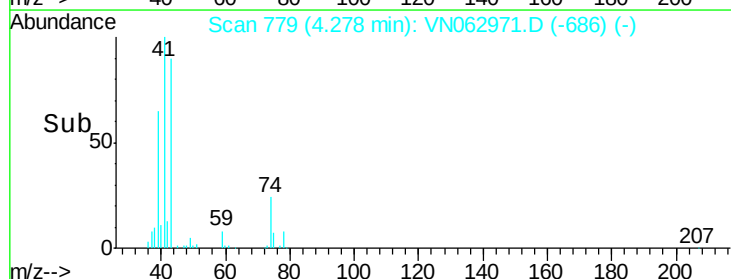
30000

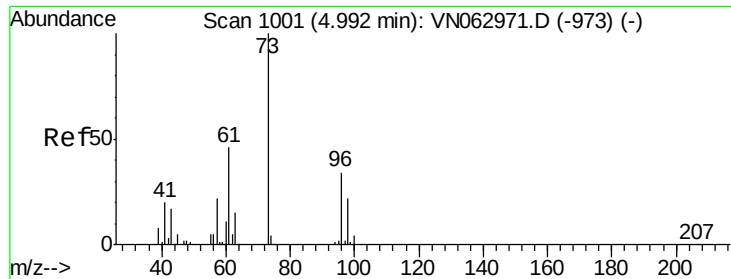
20000

10000

0

Time-->





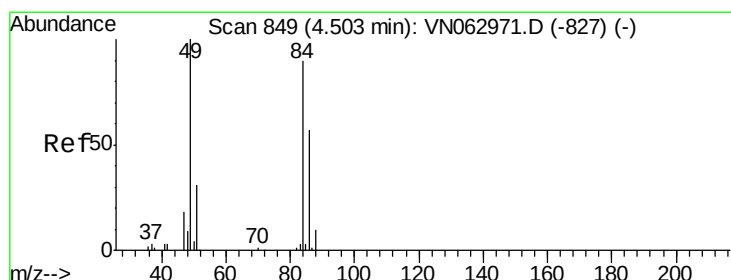
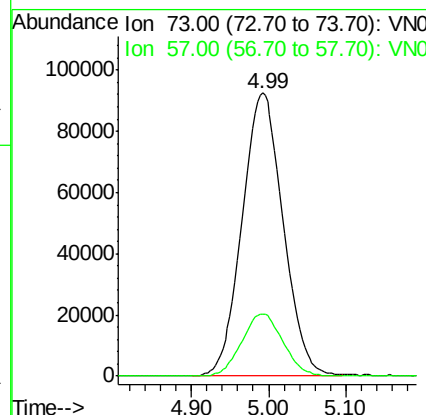
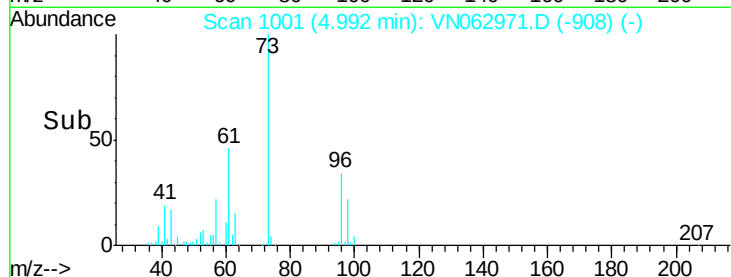
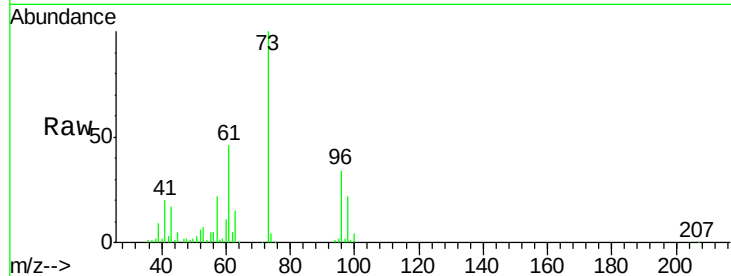
#19
Methyl tert-butyl Ether
Concen: 39.426 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 342272
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

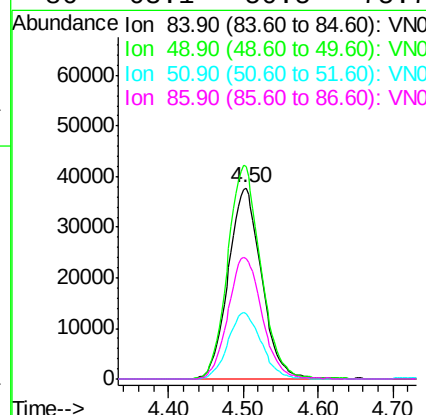
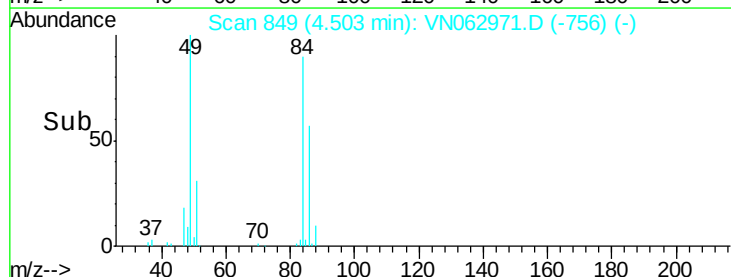
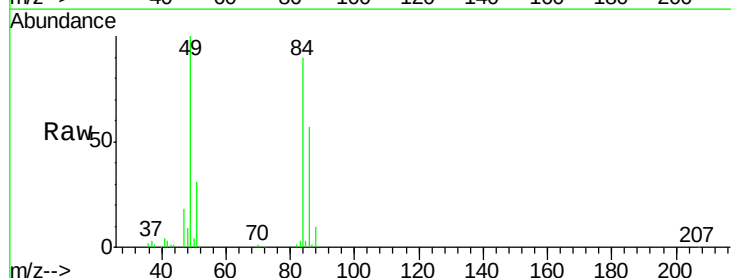
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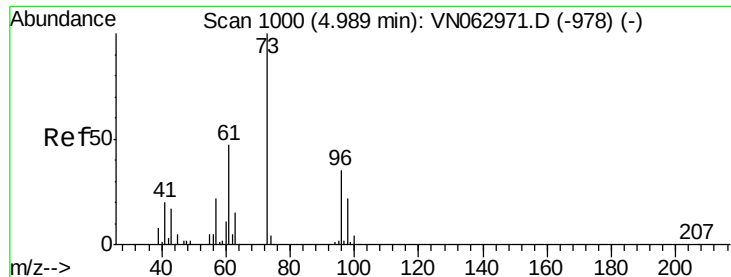
MMDadoda
8/18/2020 11:12:54 AM



#20
Methylene Chloride
Concen: 41.417 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion: 84 Resp: 116648
Ion Ratio Lower Upper
84 100
49 111.0 88.8 133.2
51 33.9 27.1 40.7
86 63.1 50.5 75.7





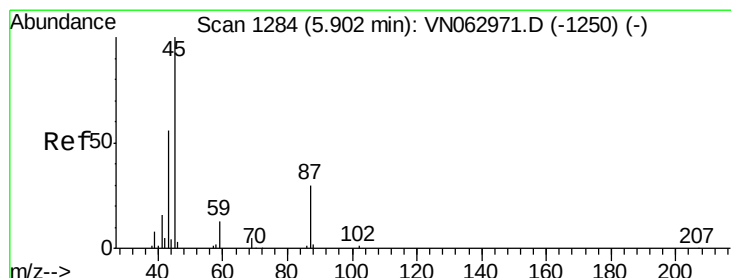
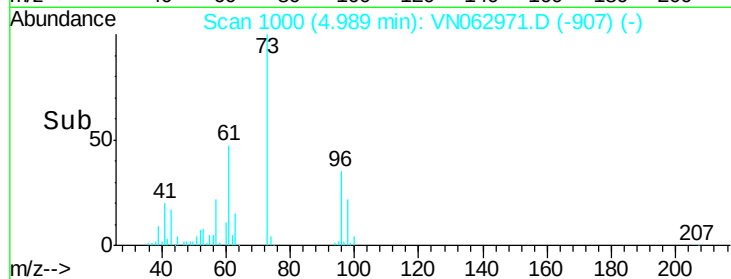
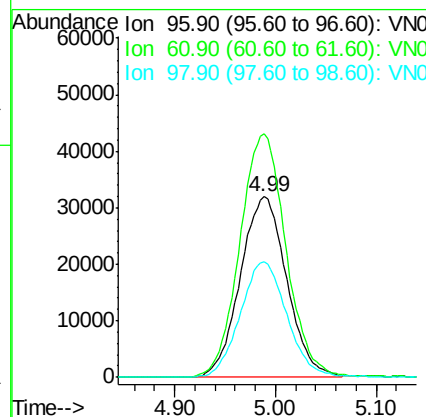
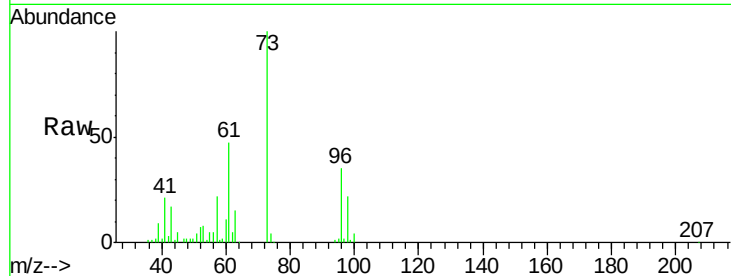
#21
trans-1,2-Dichloroethene
Concen: 44.101 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	107.7	161.5
98	63.7	51.0	76.4

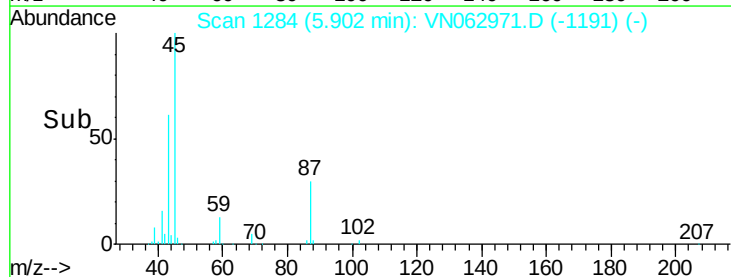
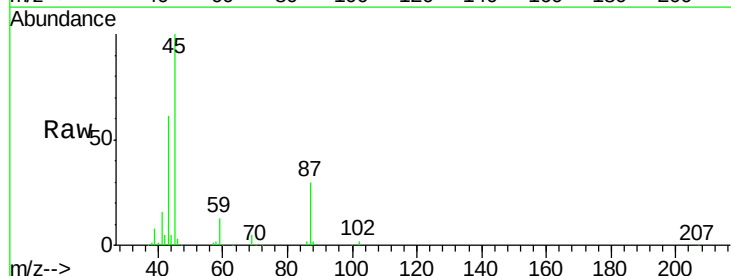
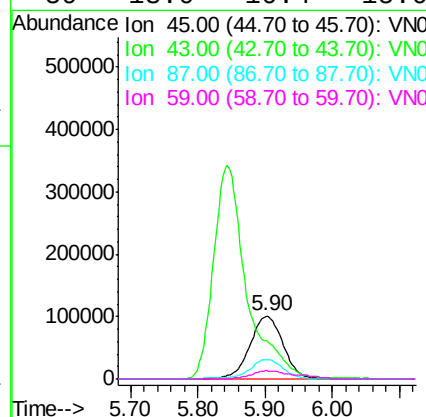
Manual Integrations
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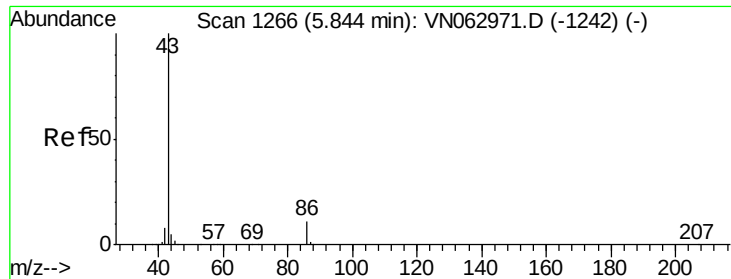
MMDadoda
8/18/2020 11:12:54 AM



#22
Diisopropyl ether
Concen: 41.236 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	47.1	70.7
87	30.4	24.3	36.5
59	13.0	10.4	15.6





#23

Vinyl Acetate

Concen: 185.372 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1179502

Ion Ratio Lower Upper

43 100

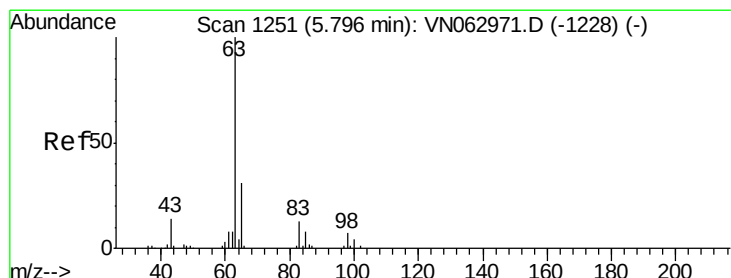
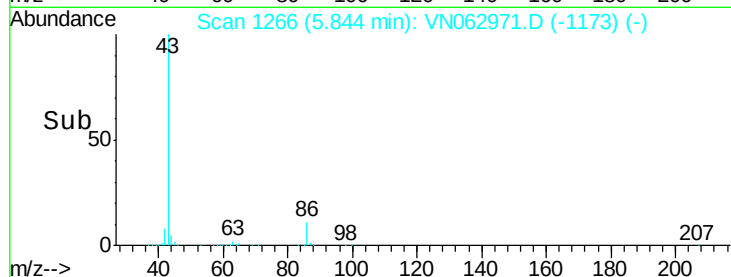
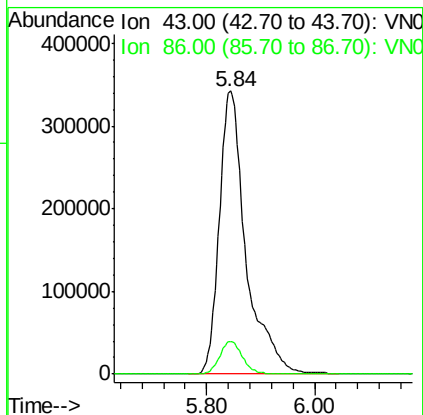
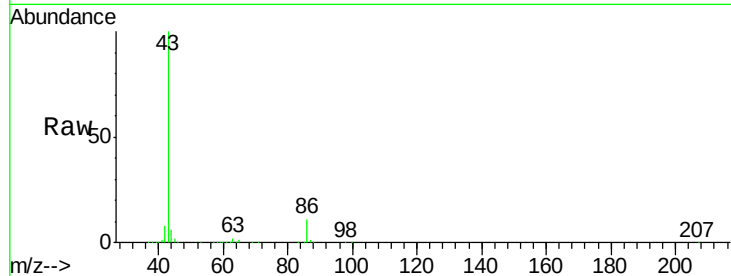
86 11.4 9.1 13.7

Manual Integrations

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MMDadoda

8/18/2020 11:12:54 AM



#24

1,1-Dichloroethane

Concen: 39.354 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

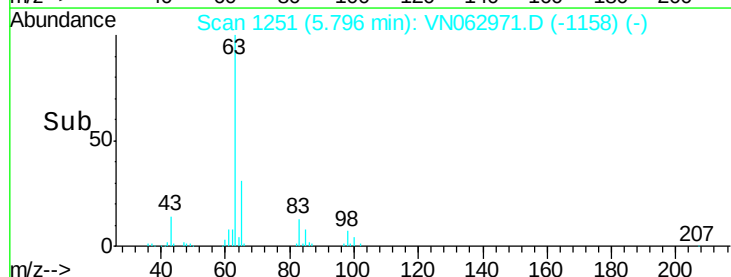
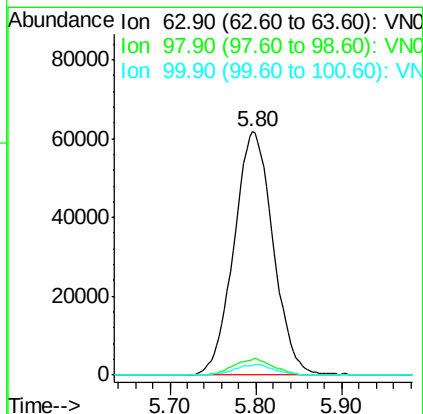
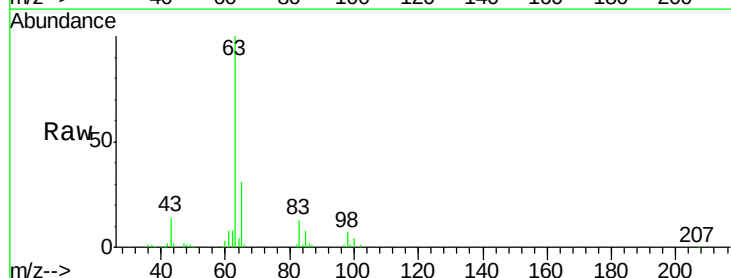
Tgt Ion: 63 Resp: 195187

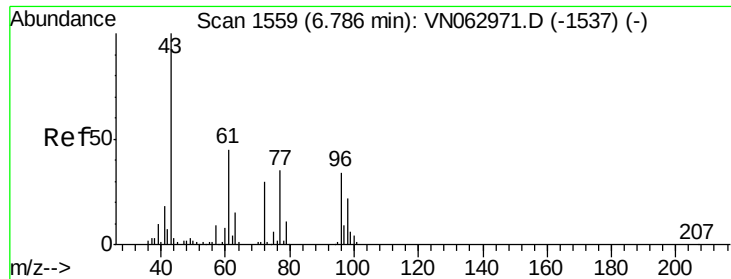
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.0 2.0 6.0





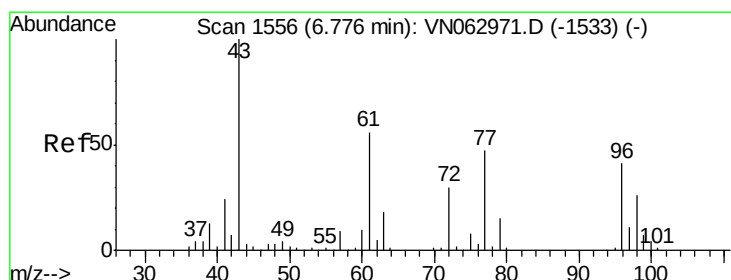
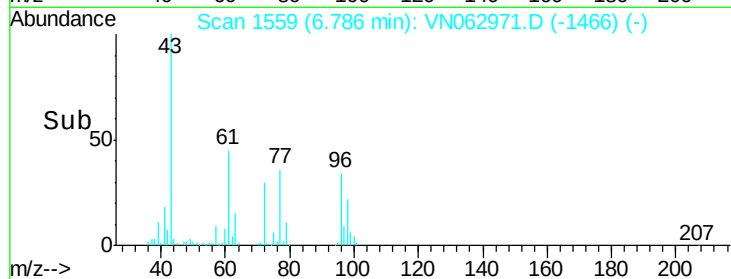
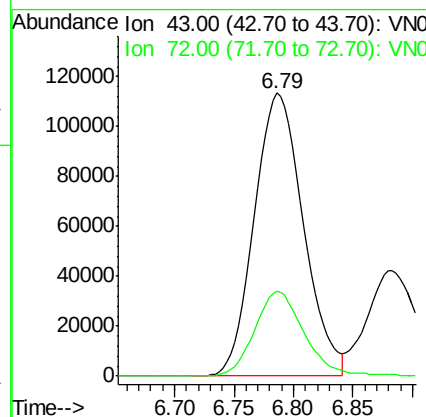
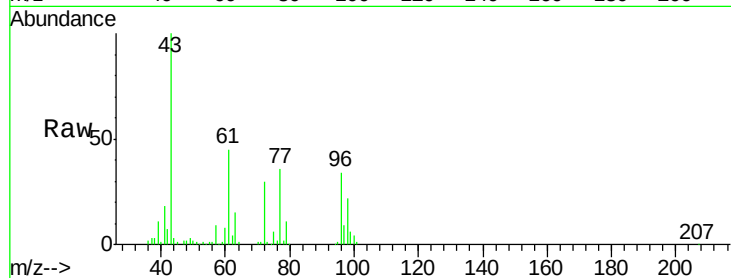
#25
2-Butanone
Concen: 173.771 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 323596
Ion Ratio Lower Upper
43 100
72 29.9 23.9 35.9

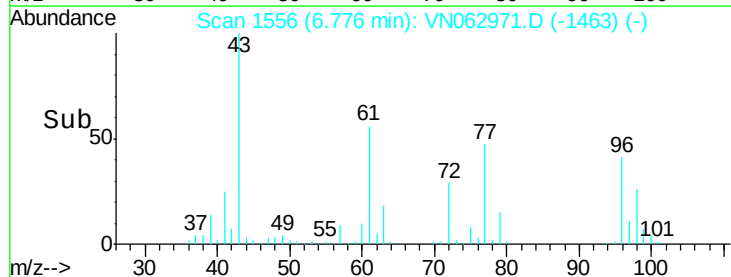
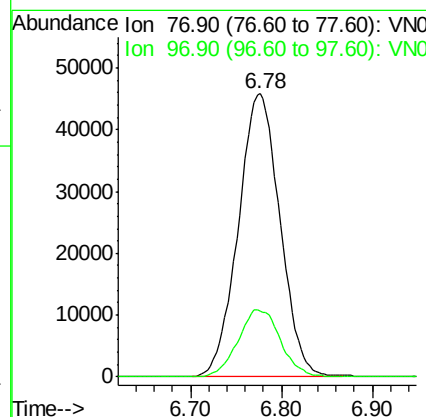
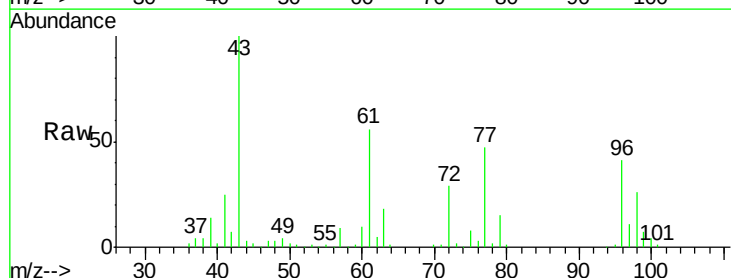
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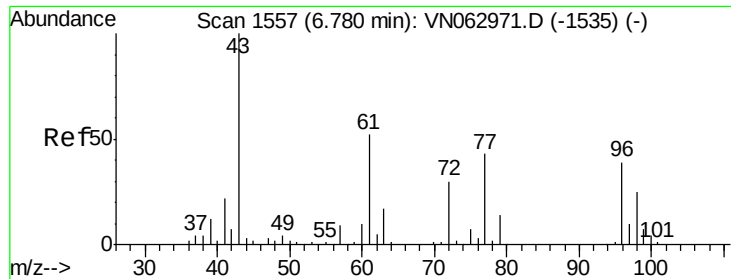
MMDadoda
8/18/2020 11:12:54 AM



#26
2,2-Dichloropropane
Concen: 32.573 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion: 77 Resp: 145594
Ion Ratio Lower Upper
77 100
97 24.1 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 42.995 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

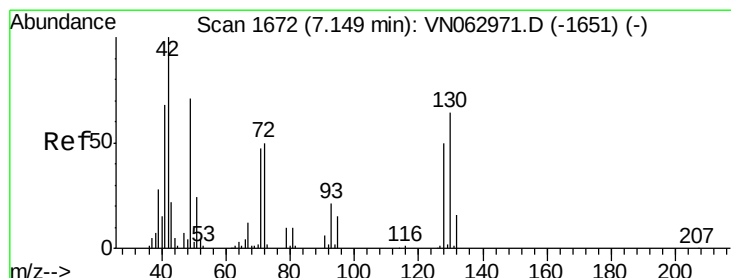
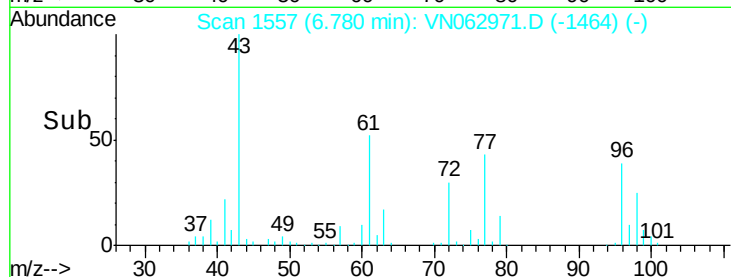
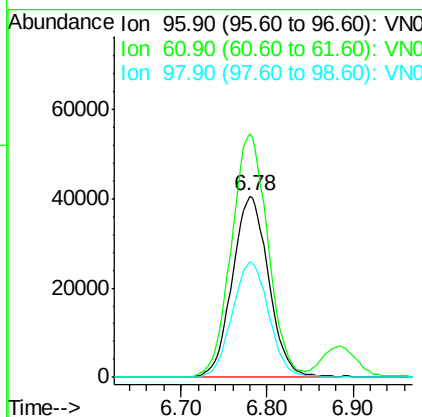
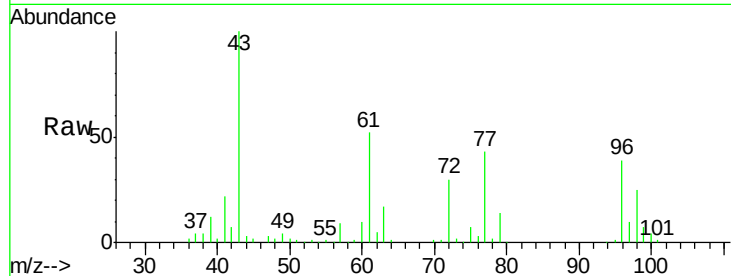
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	118924
Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	270.4
98	64.1	0.0	128.2

Manual Integrations
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8/18/2020 11:12:54 AM



#28

Bromochloromethane

Concen: 39.606 ug/l

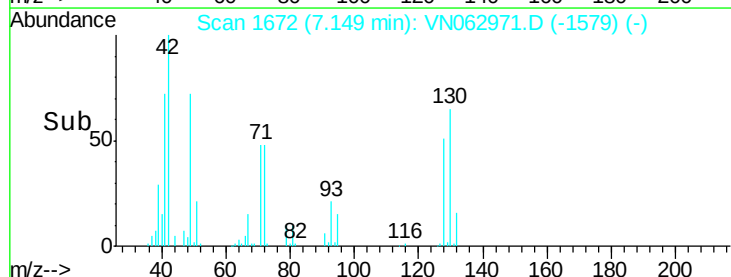
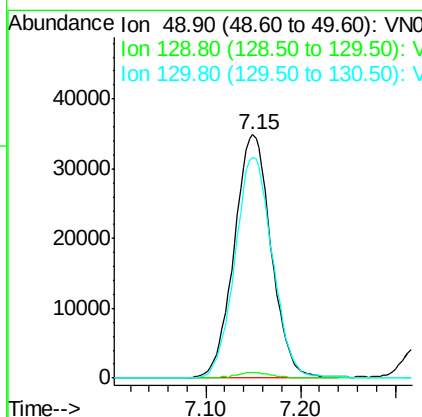
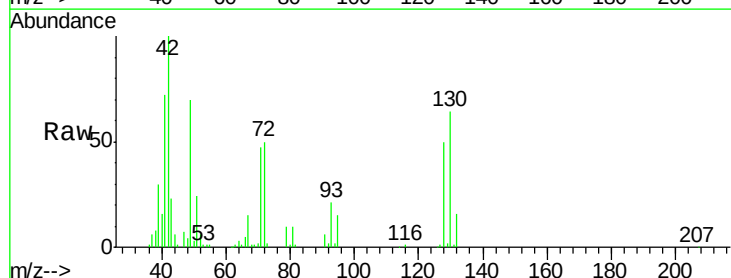
RT: 7.15 min Scan# 1672

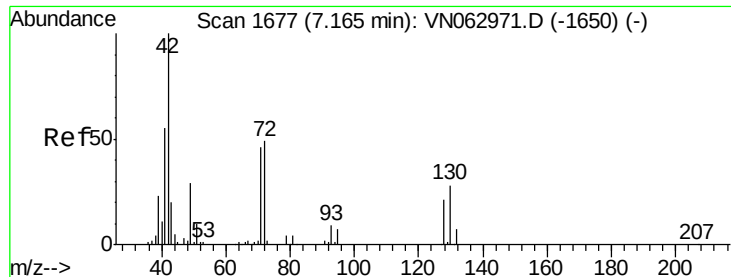
Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Tgt Ion:	49	Resp:	94989
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	91.9	73.5	110.3





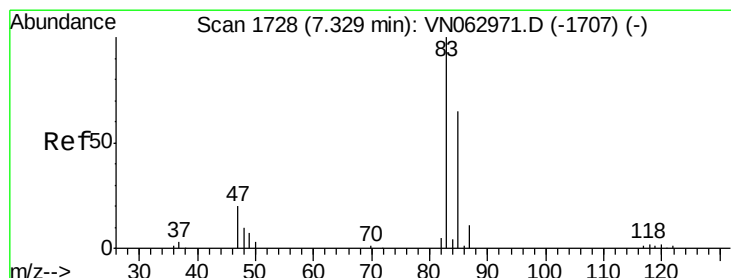
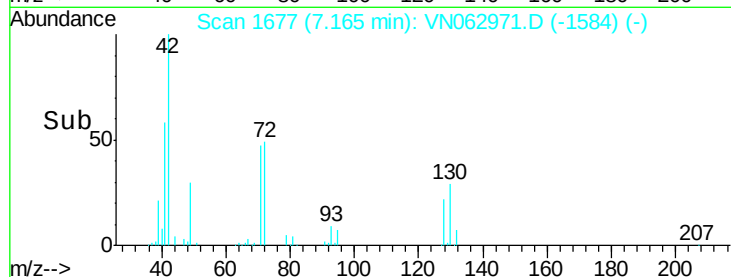
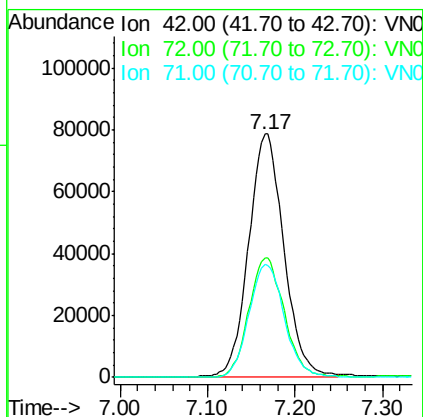
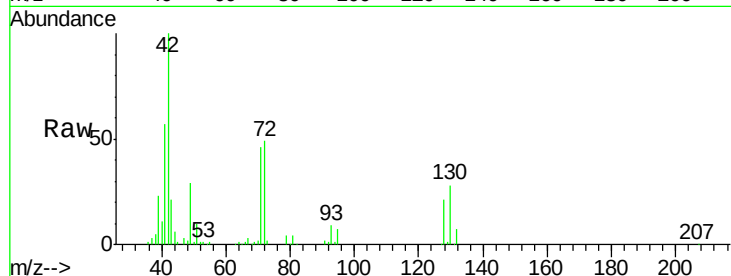
#29
Tetrahydrofuran
Concen: 182.410 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.4	59.2
71	46.5	37.2	55.8

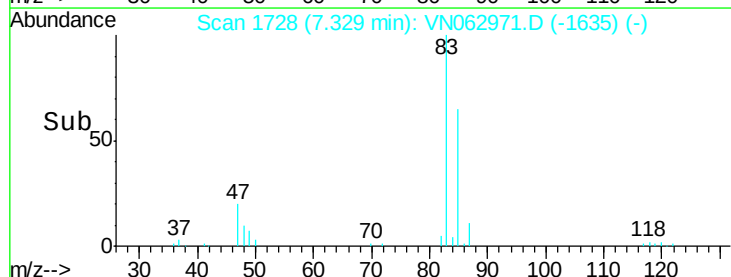
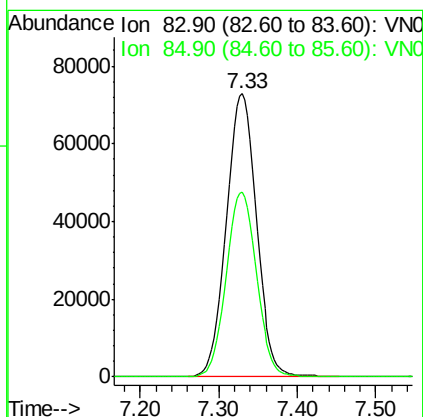
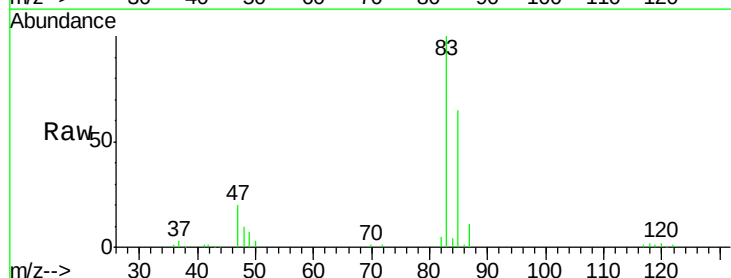
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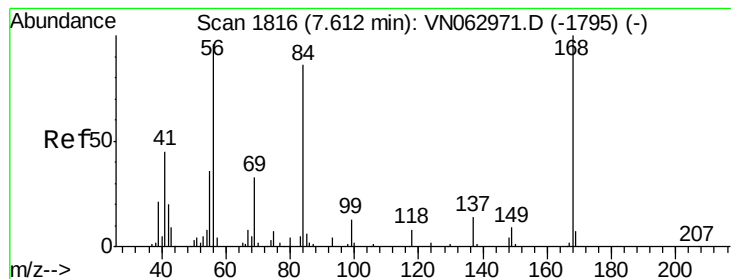
MMDadoda
8/18/2020 11:12:54 AM



#30
Chloroform
Concen: 37.200 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





#31

Cyclohexane

Concen: 39.702 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 179527

Ion Ratio Lower Upper

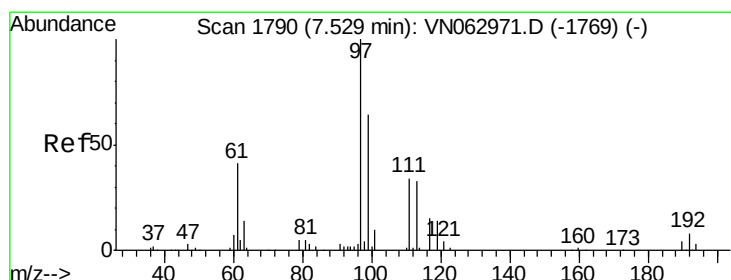
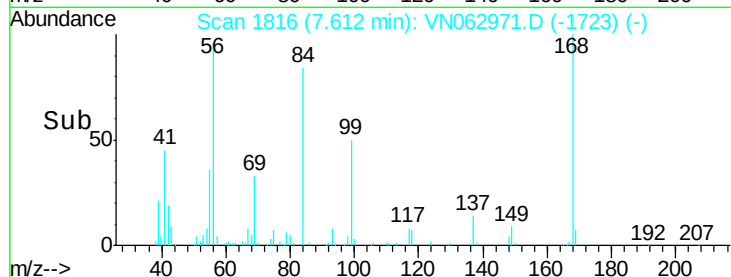
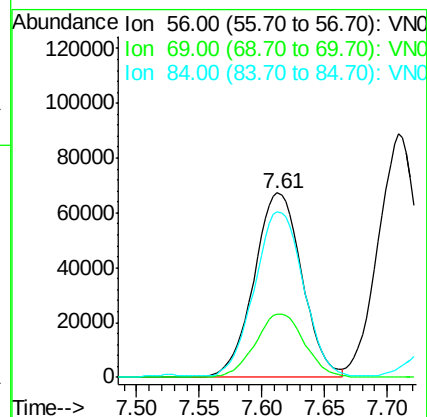
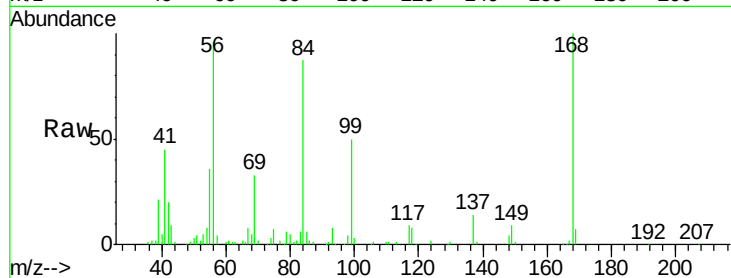
56 100

69 34.3 27.4 41.2

84 89.1 71.3 106.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 35.083 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

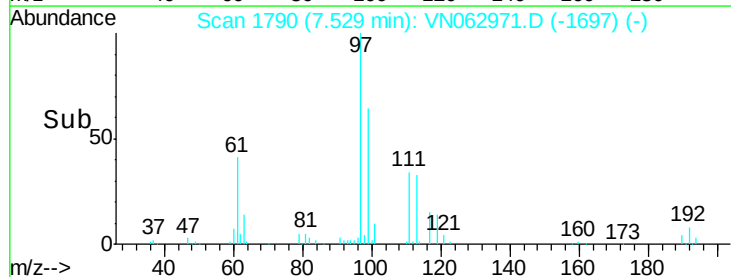
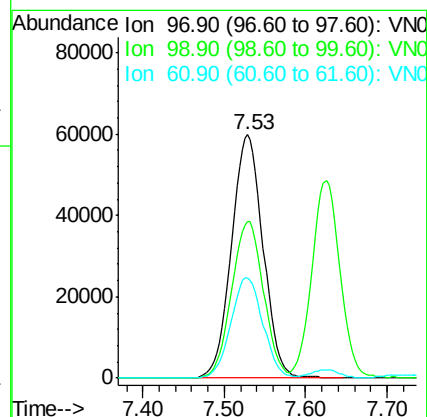
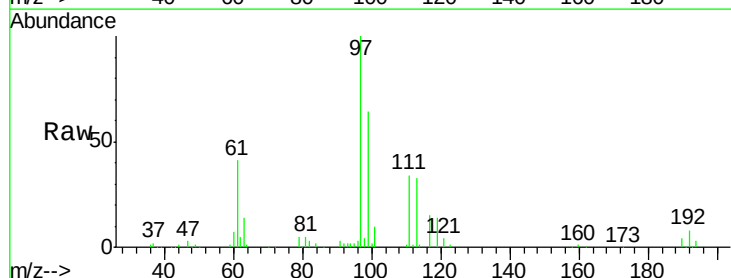
Tgt Ion: 97 Resp: 161732

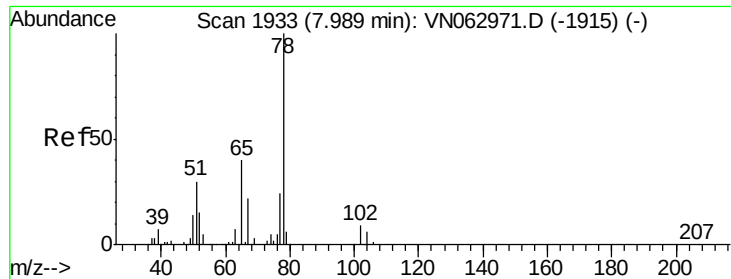
Ion Ratio Lower Upper

97 100

99 65.3 52.2 78.4

61 41.9 33.5 50.3





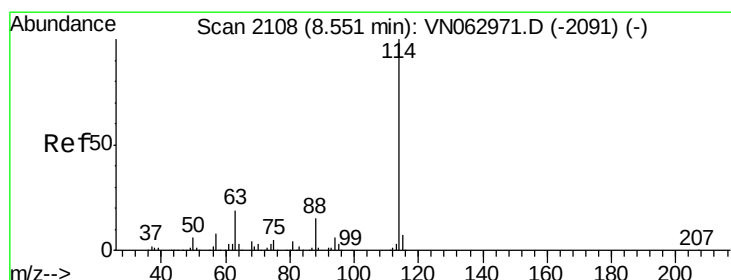
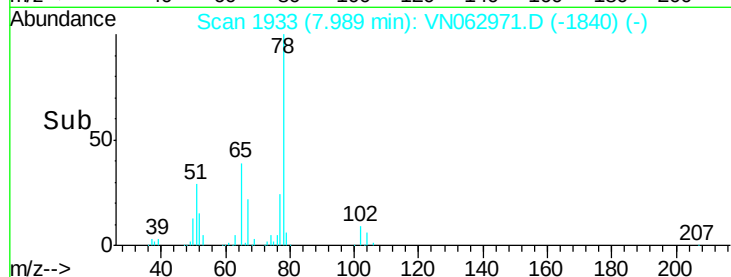
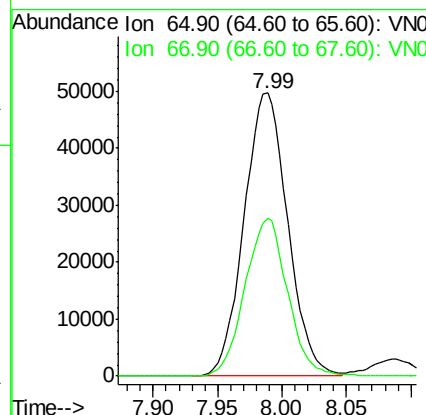
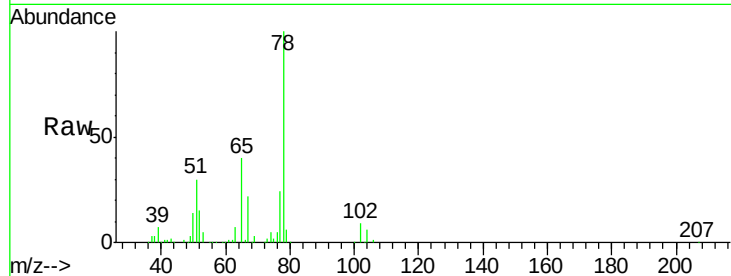
#33
 1,2-Dichloroethane-d4
 Concen: 32.509 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117285		
67	54.3	0.0	108.6	

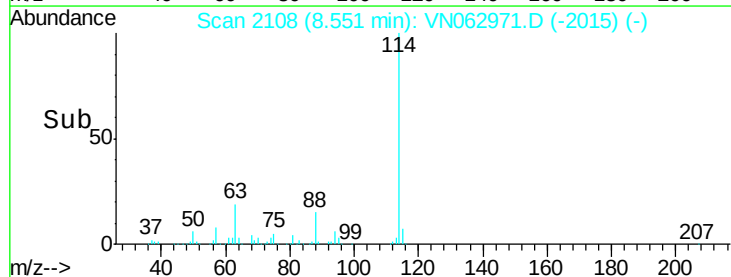
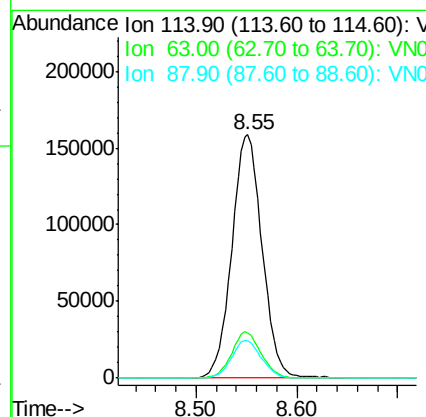
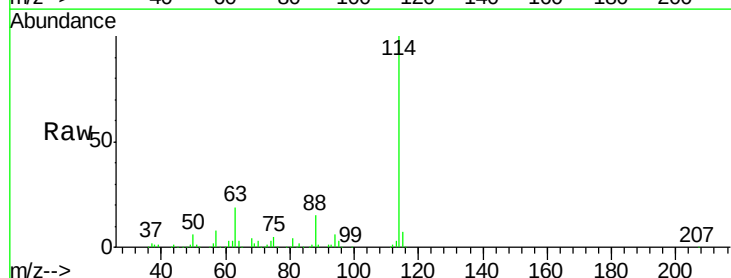
Manual Integrations
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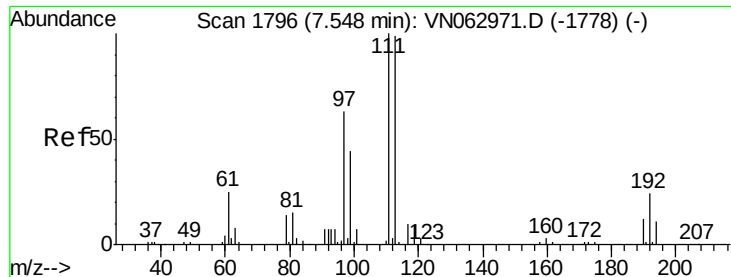
MMDadoda
 8/18/2020 11:12:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330833		
63	18.8	0.0	37.6	
88	15.5	0.0	31.0	





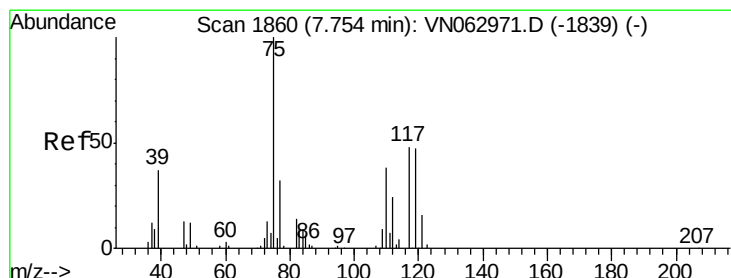
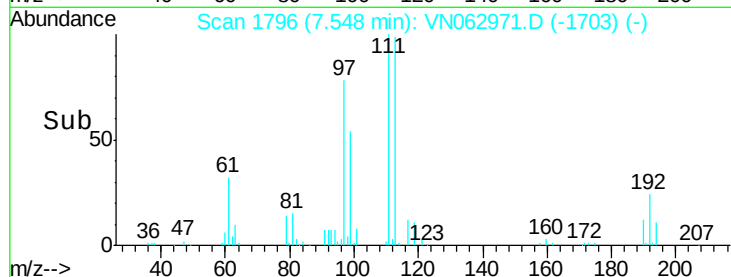
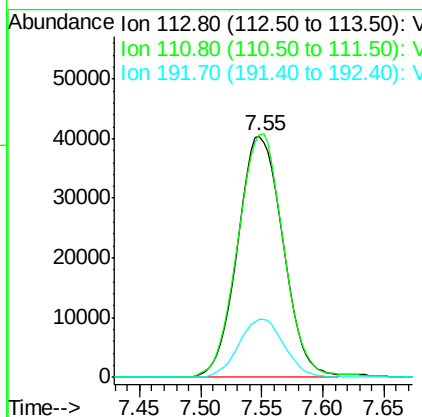
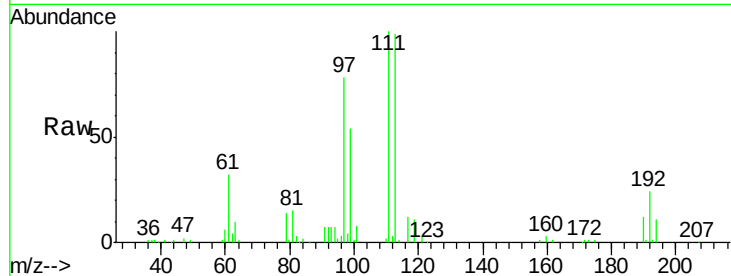
#35
 Dibromofluoromethane
 Concen: 46.488 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104167		
111	101.7	81.4	122.0	
192	24.0	19.2	28.8	

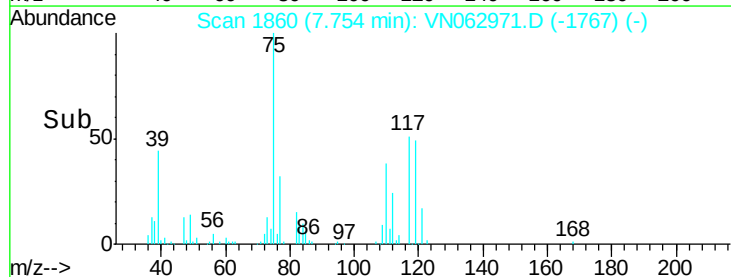
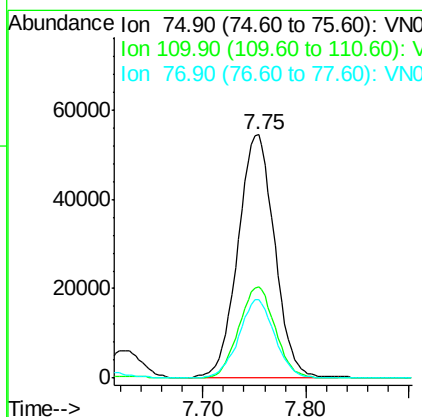
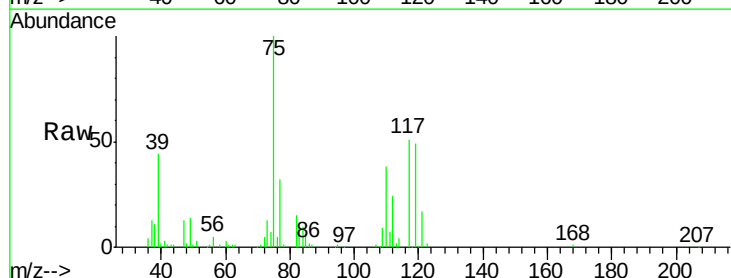
Manual Integrations
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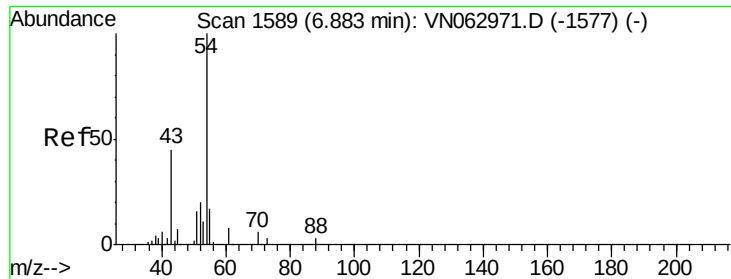
MMDadoda
 8/18/2020 11:12:54 AM



#36
 1,1-Dichloropropene
 Concen: 42.537 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	133367		
110	37.4	18.7	56.1	
77	32.0	25.6	38.4	





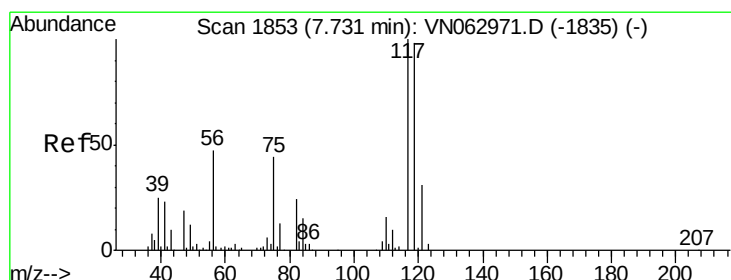
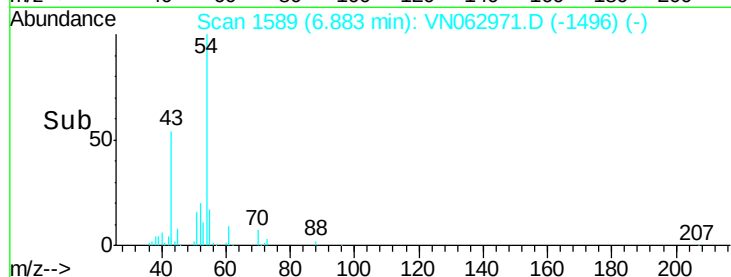
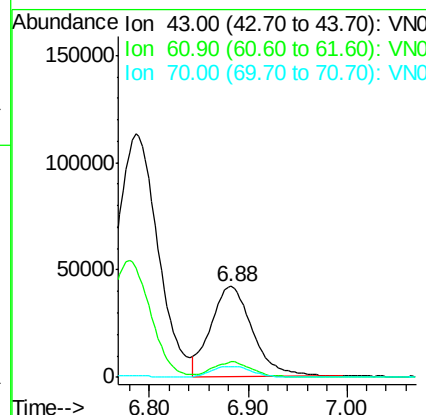
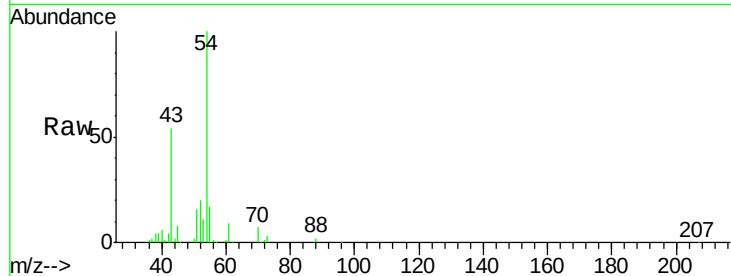
#37
Ethyl Acetate
Concen: 38.445 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	123704
Ion Ratio	Lower	Upper	
43	100		
61	15.5	12.4	18.6
70	12.4	9.9	14.9

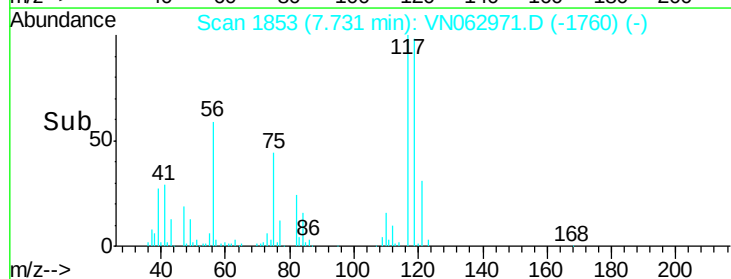
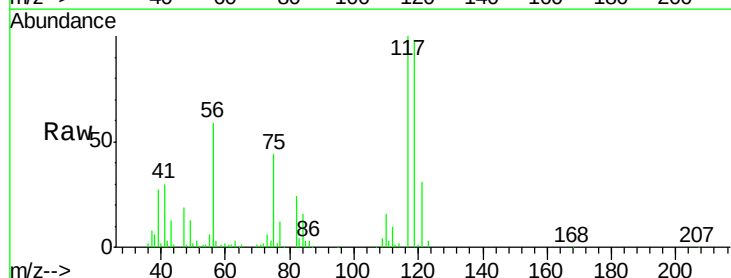
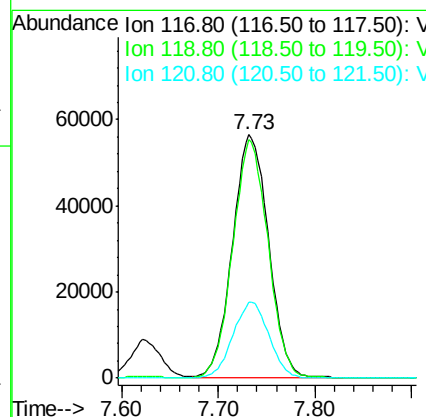
Manual Integrations
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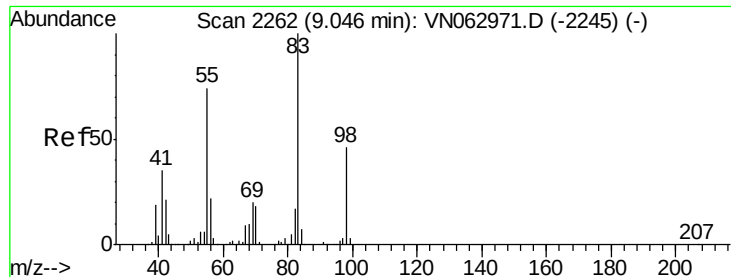
MMDadoda
8/18/2020 11:12:54 AM



#38
Carbon Tetrachloride
Concen: 39.747 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	117	Resp	146980
Ion Ratio	Lower	Upper	
117	100		
119	97.4	77.9	116.9
121	31.0	24.8	37.2





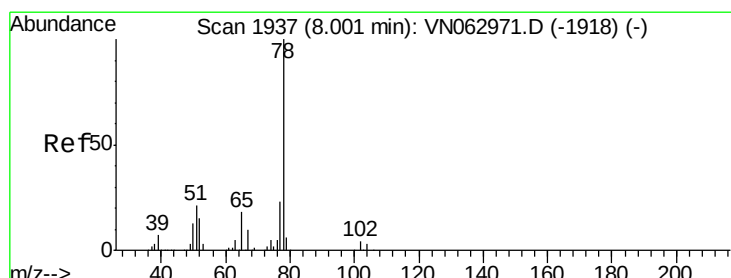
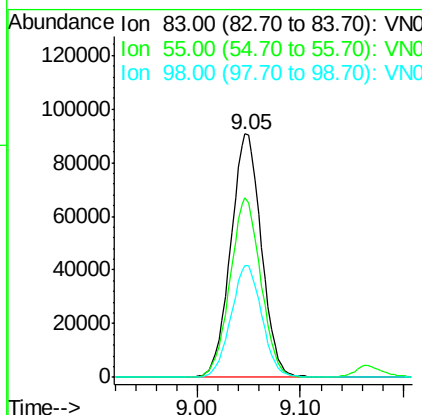
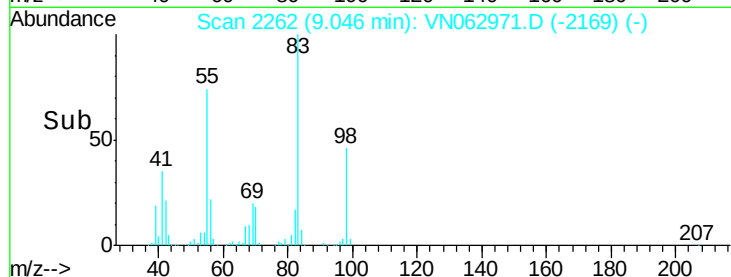
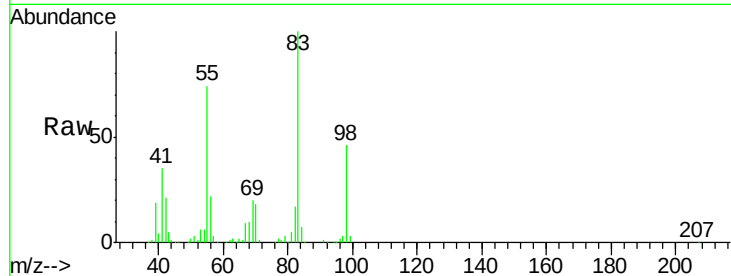
#39
Methylvlcyclohexane
Concen: 48.529 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	187335		
55	73.8		59.0	88.6
98	46.0		36.8	55.2

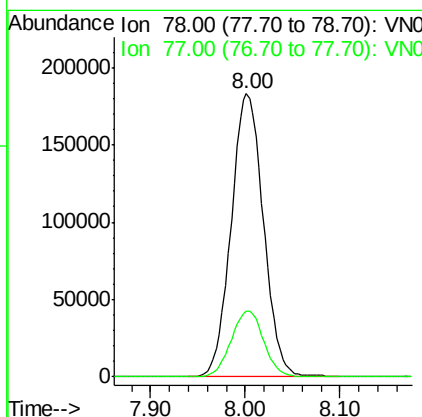
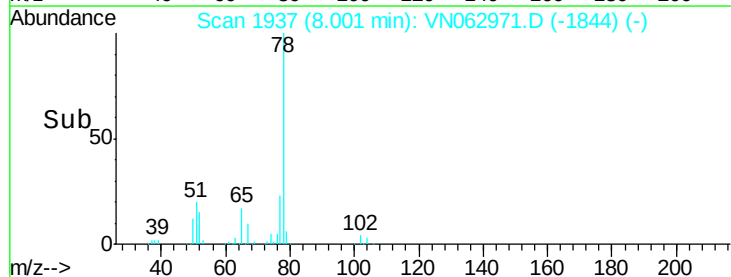
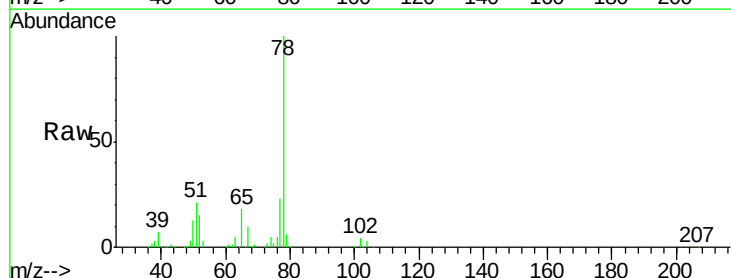
Manual Integrations
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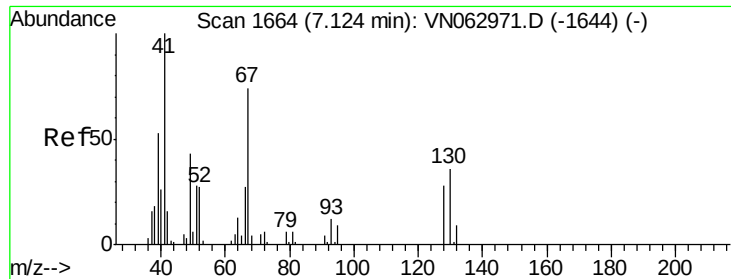
MMDadoda
8/18/2020 11:12:54 AM



#40
Benzene
Concen: 45.519 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	433405		
77	23.2		18.6	27.8





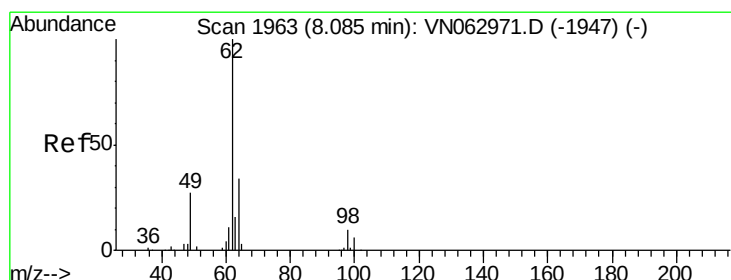
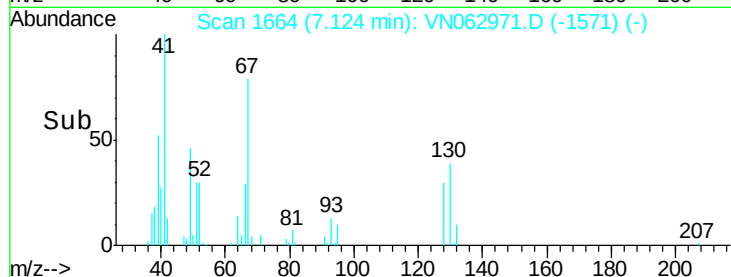
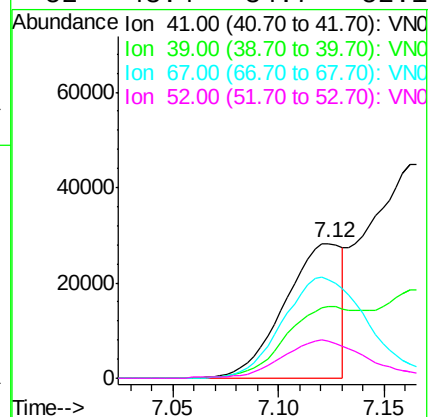
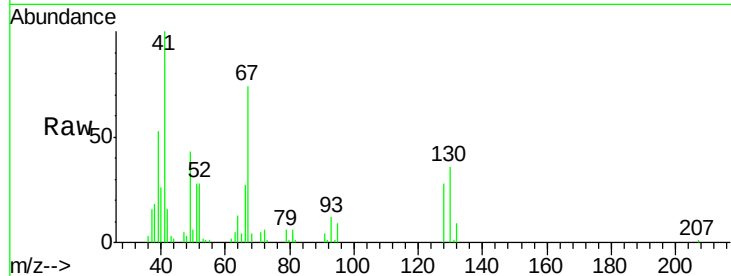
#41
Methacrylonitrile
Concen: 37.689 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	53414
Ion	Ratio	Lower	Upper
41	100		
39	73.3	58.6	88.0
67	112.6	90.1	135.1
52	43.4	34.7	52.1

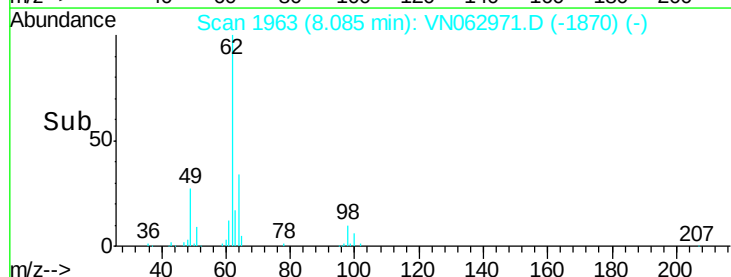
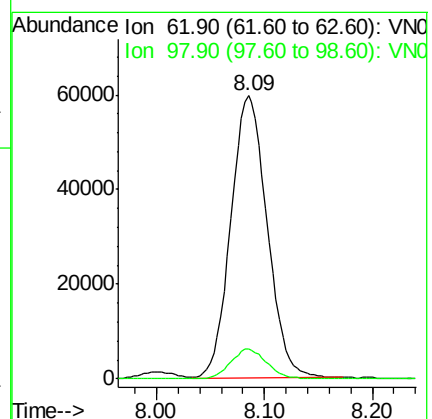
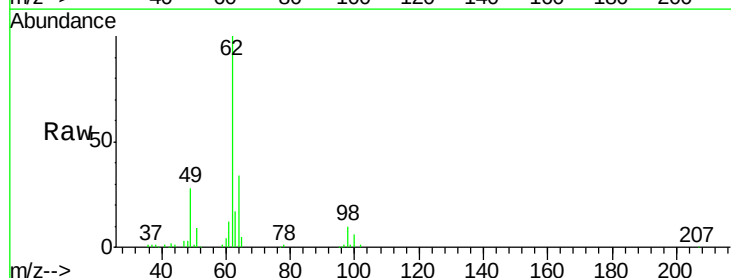
Manual Integrations
APPROVED

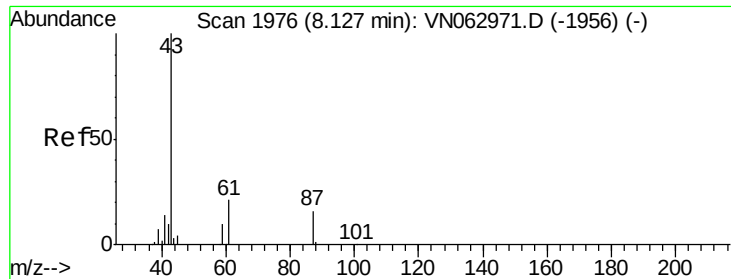
MMDadoda
8/18/2020 11:12:54 AM



#42
1,2-Dichloroethane
Concen: 35.989 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	62	Resp	139956
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.8





#43

Isopropyl Acetate

Concen: 37.739 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

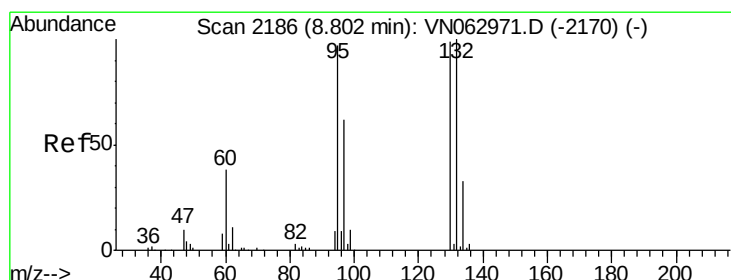
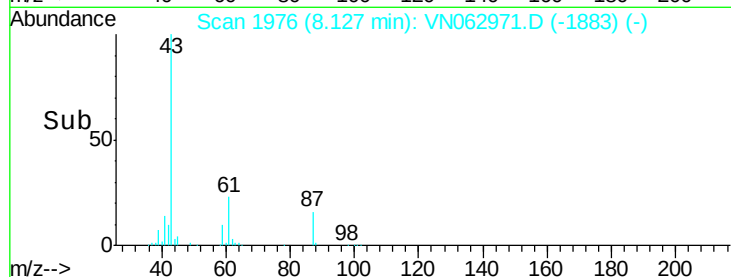
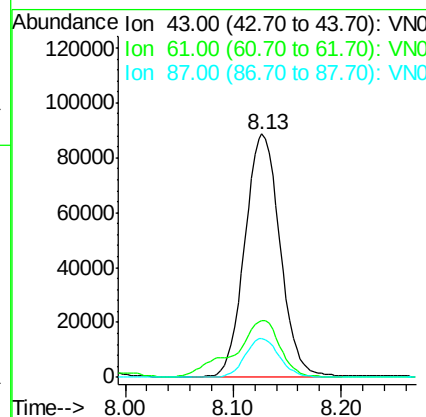
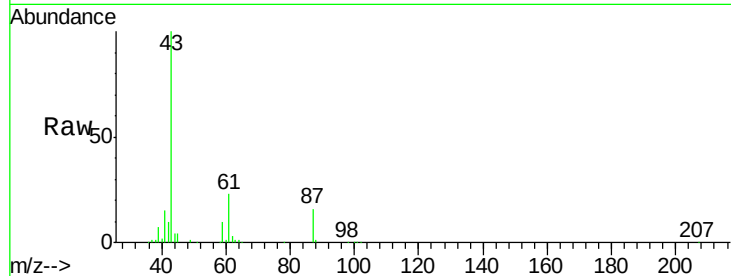
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	202185
Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.6	36.8
87	15.5	12.4	18.6

Manual Integrations
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8/18/2020 11:12:54 AM



#44

Trichloroethene

Concen: 49.315 ug/l

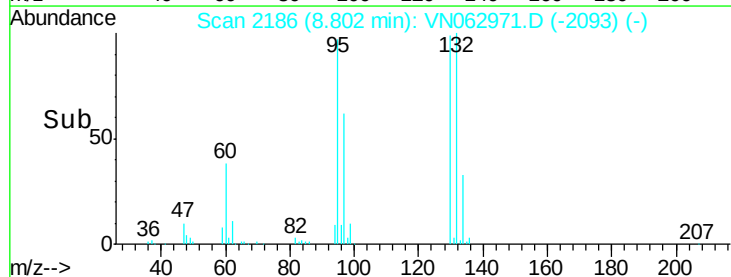
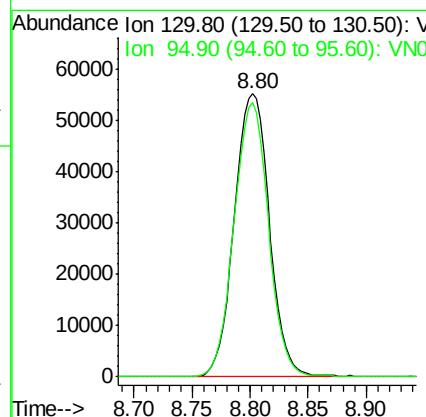
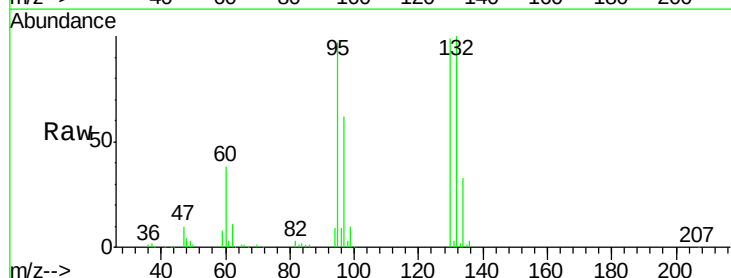
RT: 8.80 min Scan# 2186

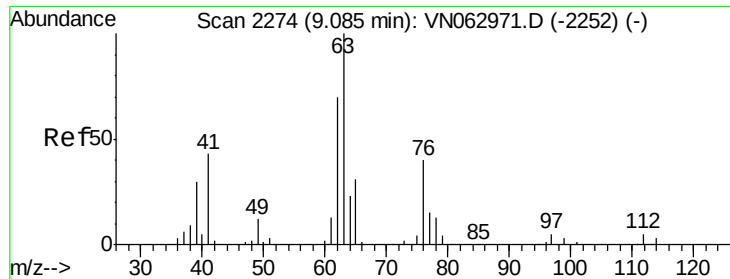
Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Tgt Ion:	130	Resp:	116313
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	194.2





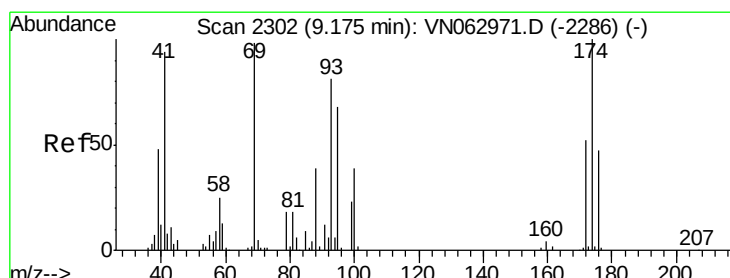
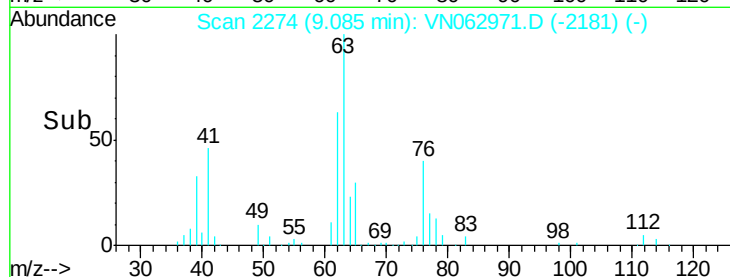
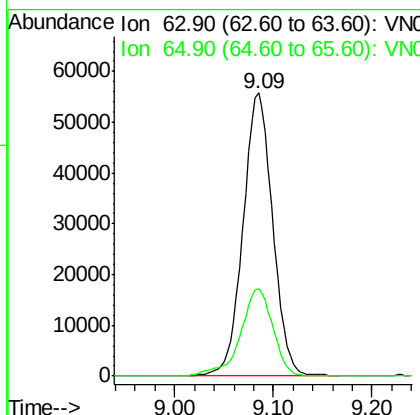
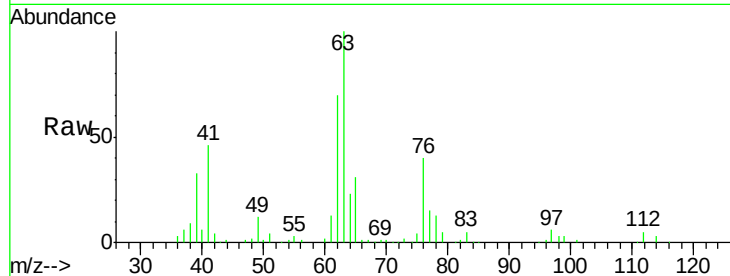
#45
 1,2-Dichloropropane
 Concen: 45.315 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 115841
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

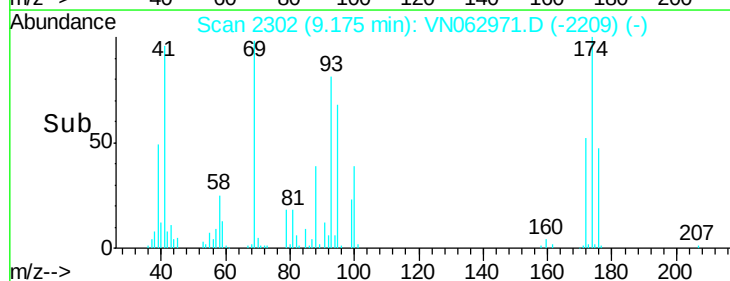
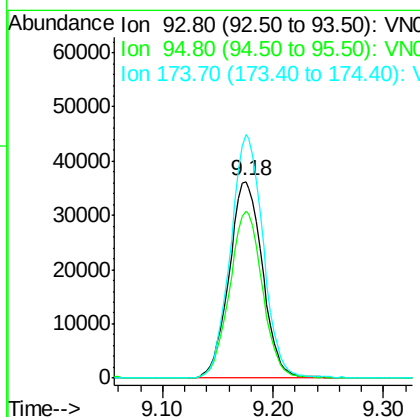
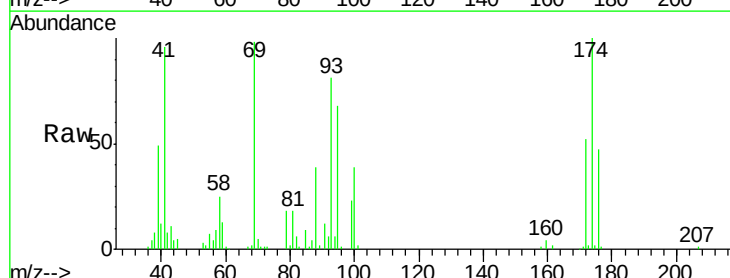
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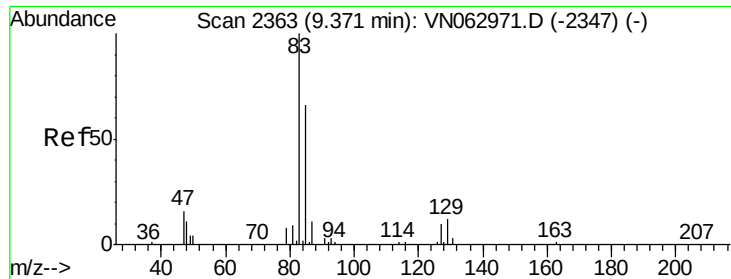
MMDadoda
 8/18/2020 11:12:54 AM



#46
 Dibromomethane
 Concen: 45.380 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion: 93 Resp: 76088
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 99.8
 174 120.8 96.6 145.0





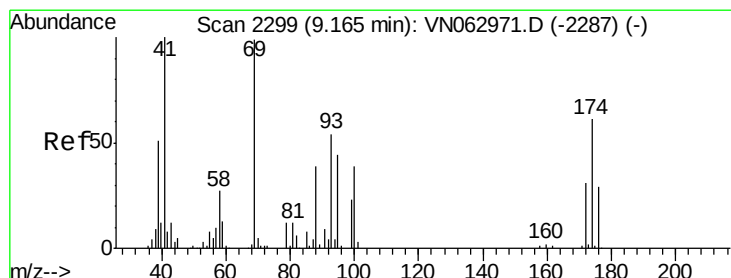
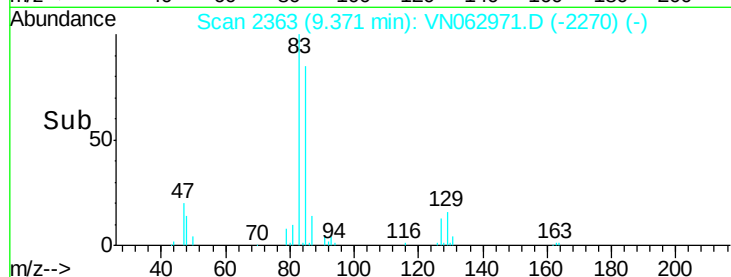
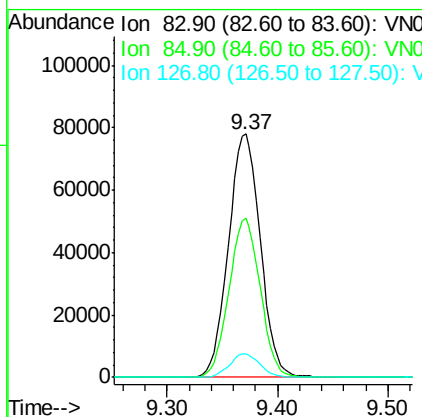
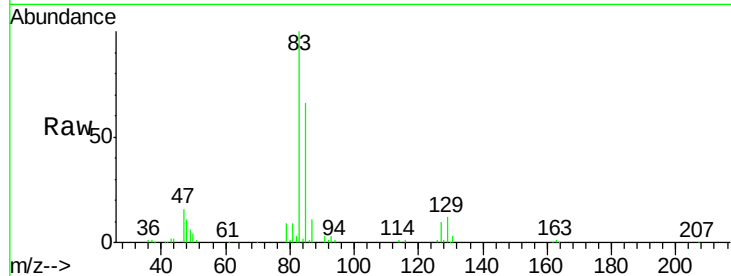
#47
Bromodichloromethane
Concen: 42.325 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6
127	9.7	7.8	11.6

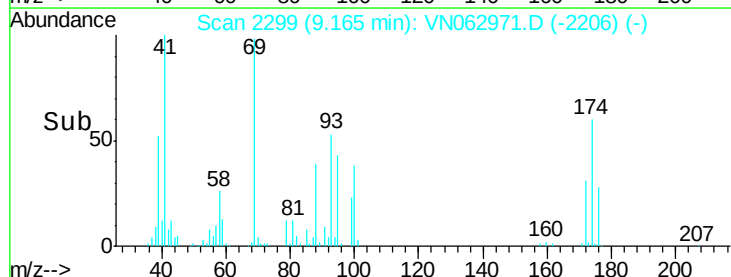
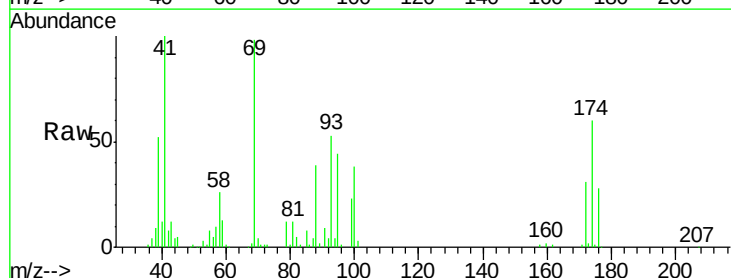
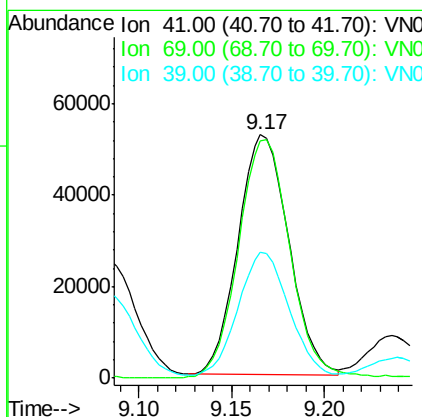
Manual Integrations
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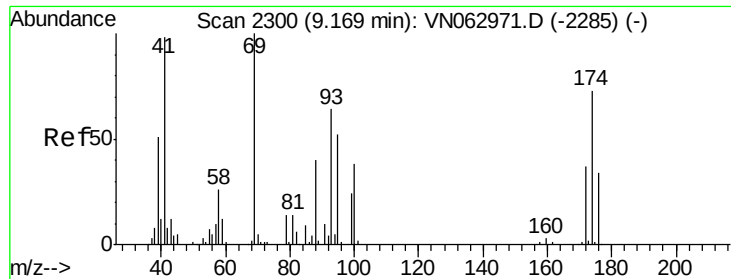
MMDadoda
8/18/2020 11:12:54 AM



#48
Methyl methacrylate
Concen: 37.943 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	101.4	81.1	121.7
39	53.0	42.4	63.6





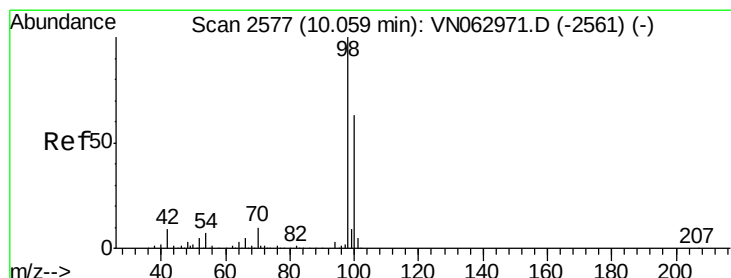
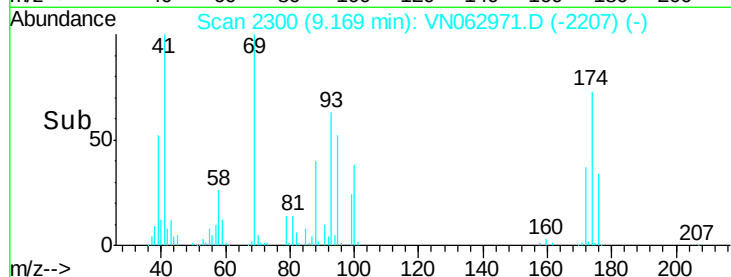
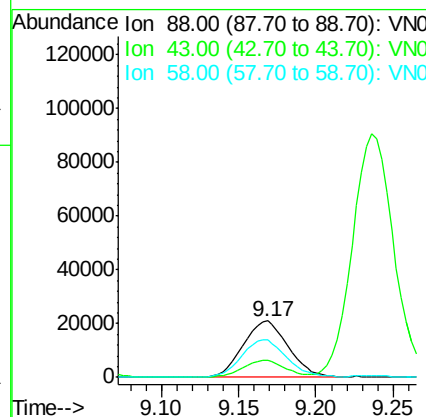
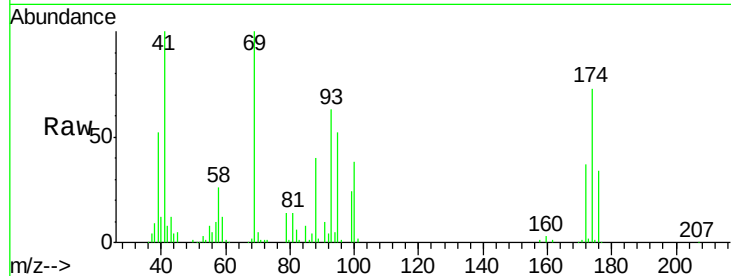
#49
1,4-Dioxane
Concen: 872.769 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.1	34.7
58	66.4	53.1	79.7

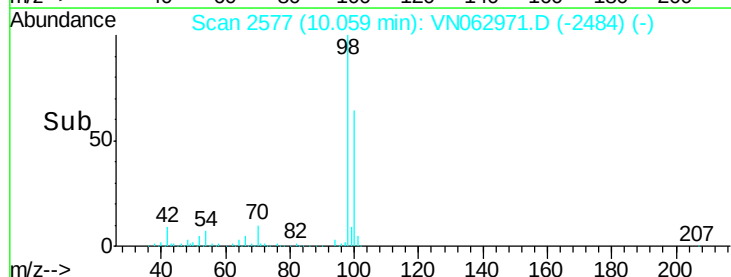
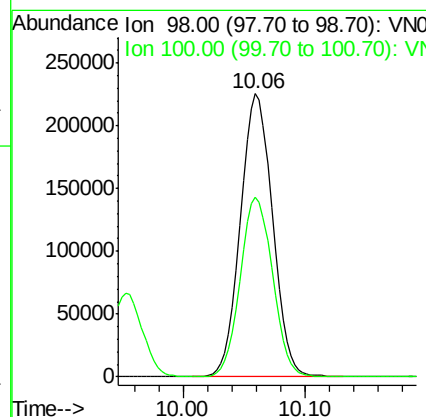
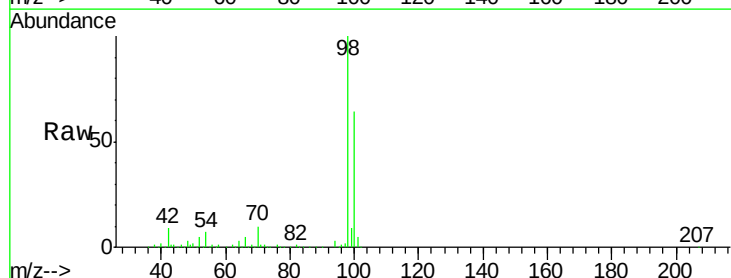
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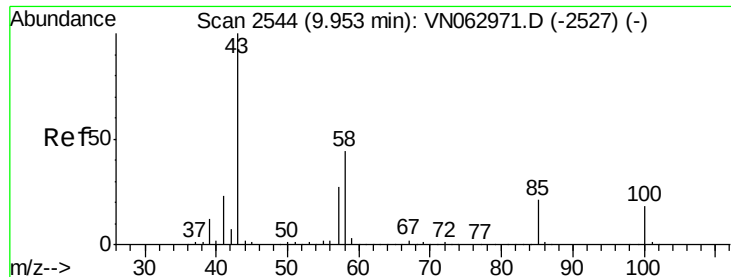
MMDadoda
8/18/2020 11:12:54 AM



#50
Toluene-d8
Concen: 46.925 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.0	76.4





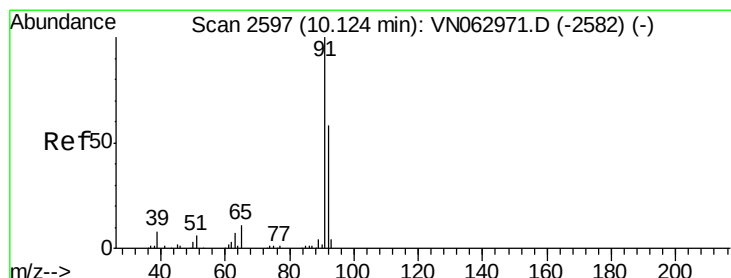
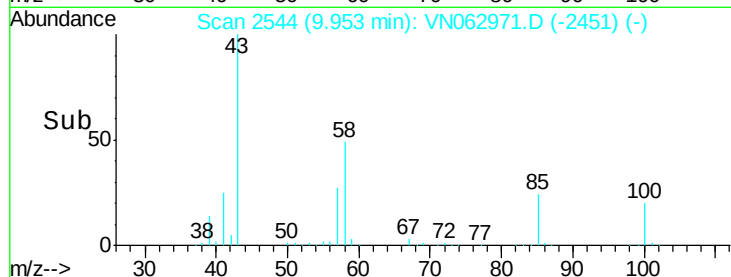
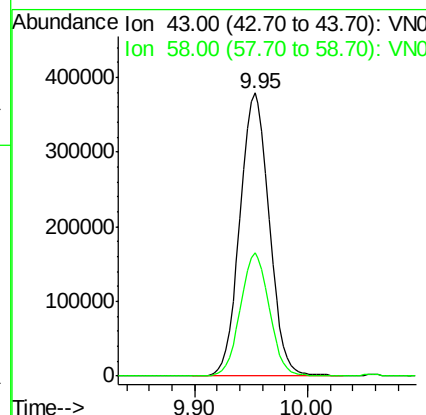
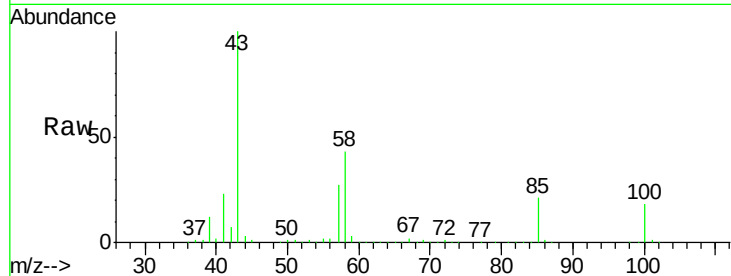
#51
 4-Methyl-2-Pentanone
 Concen: 198.097 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 43 Resp: 685504
 Ion Ratio Lower Upper
 43 100
 58 42.9 34.3 51.5

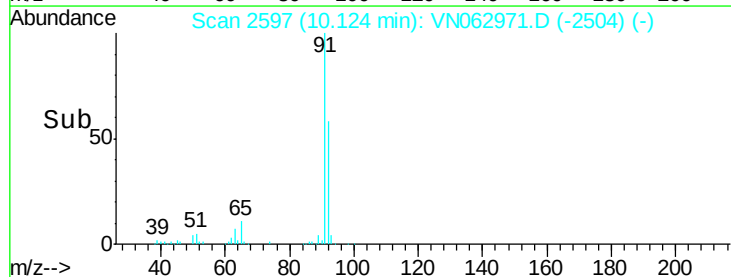
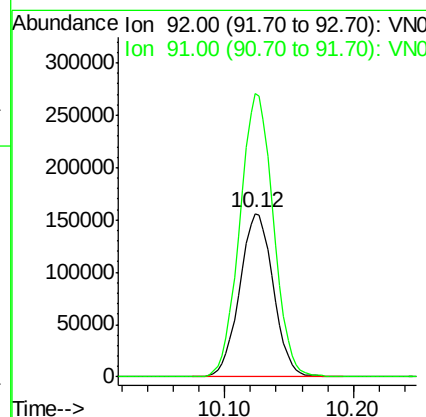
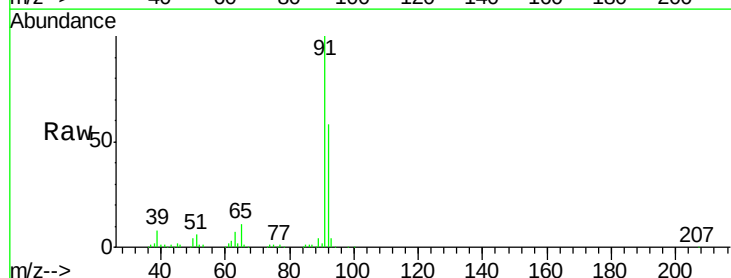
Manual Integrations
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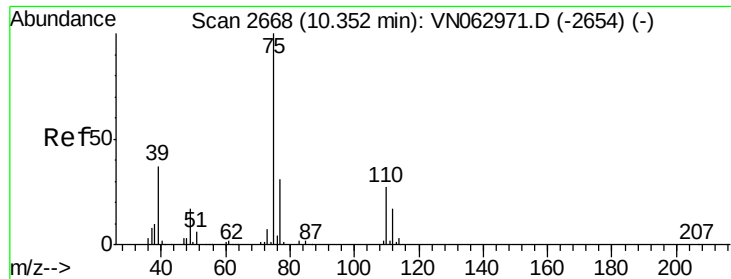
MMDadoda
 8/18/2020 11:12:54 AM



#52
 Toluene
 Concen: 48.016 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion: 92 Resp: 282792
 Ion Ratio Lower Upper
 92 100
 91 173.2 138.6 207.8





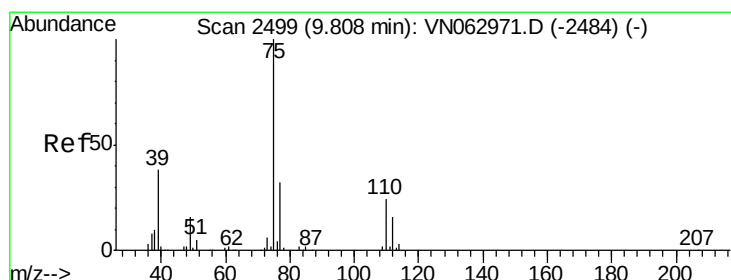
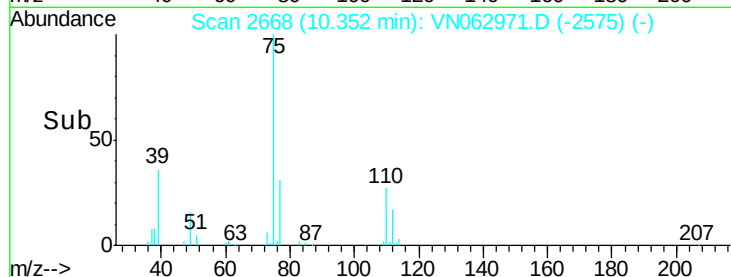
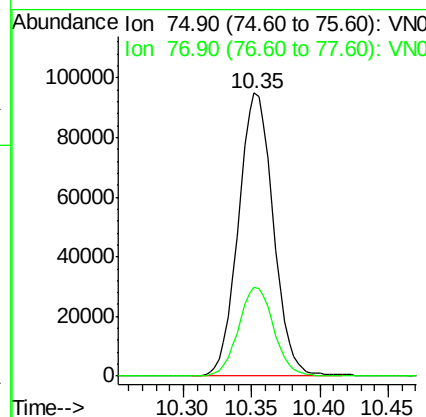
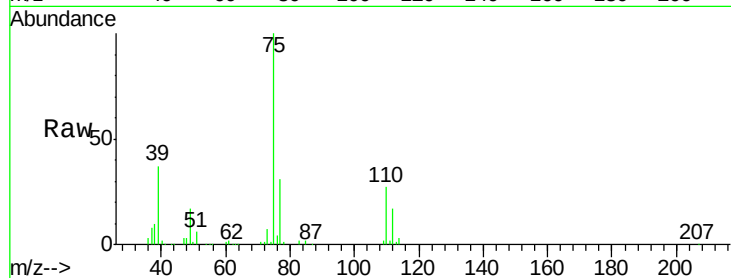
#53
t-1,3-Dichloropropene
Concen: 41.608 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

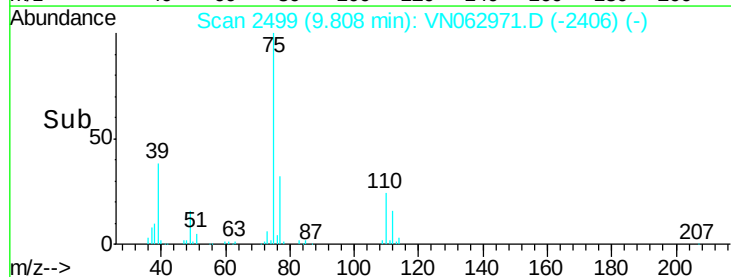
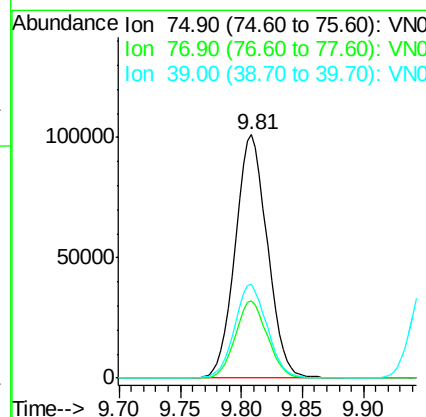
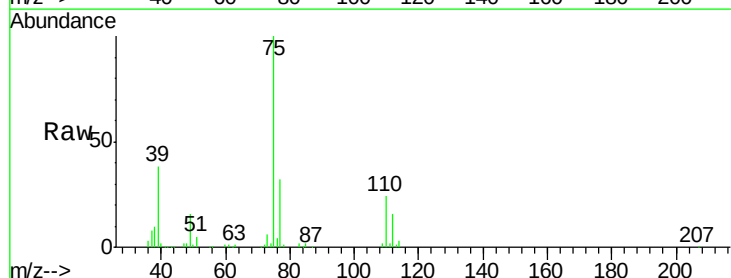
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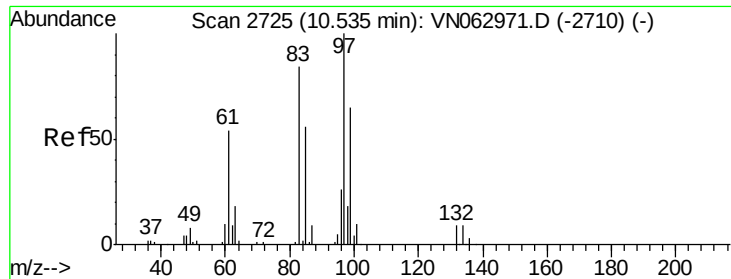
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 44.785 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	38.3	30.6	46.0





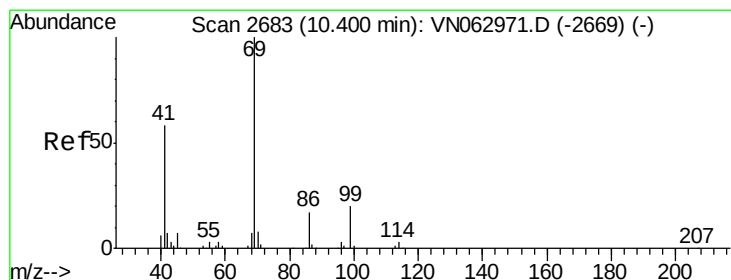
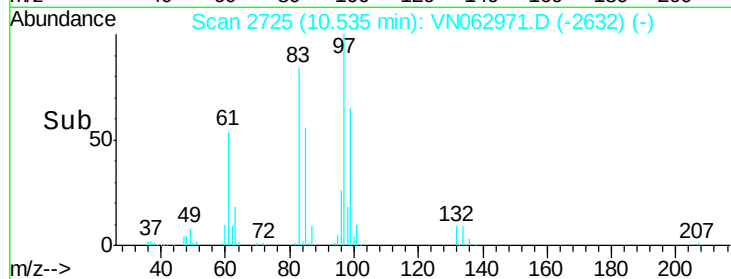
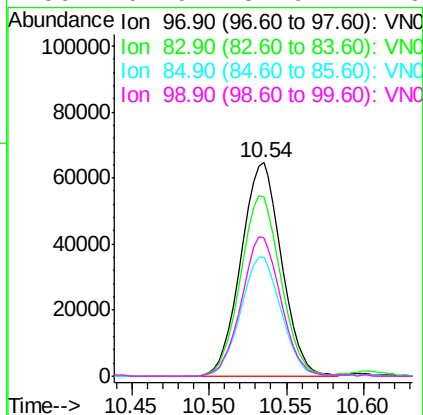
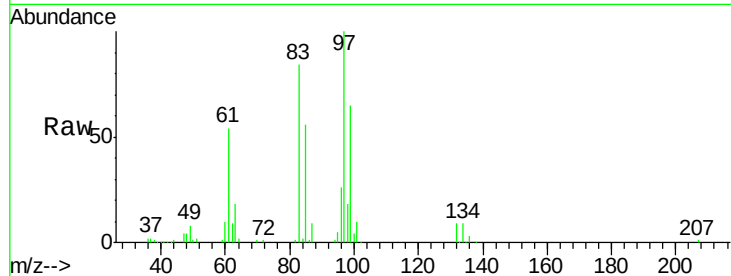
#55
 1,1,2-Trichloroethane
 Concen: 46.725 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		117848		
83	83.7	67.0	100.4		
85	55.5	44.4	66.6		
99	64.9	51.9	77.9		

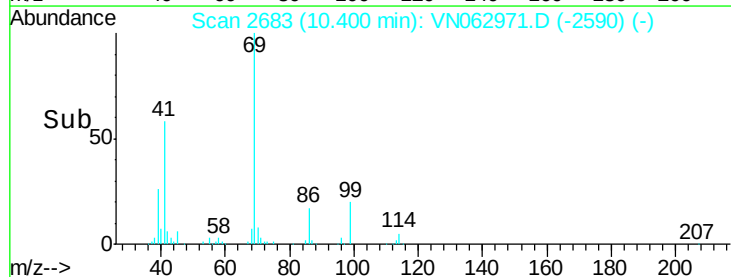
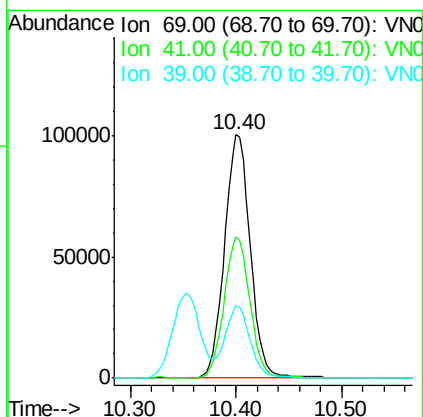
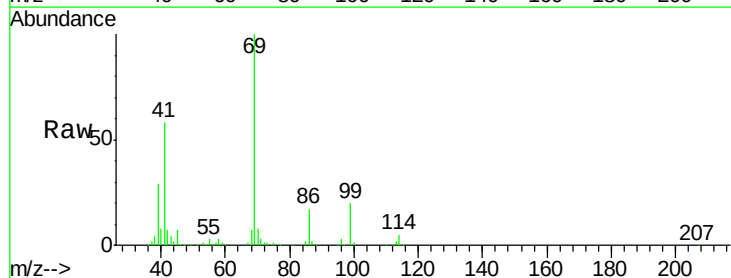
Manual Integrations
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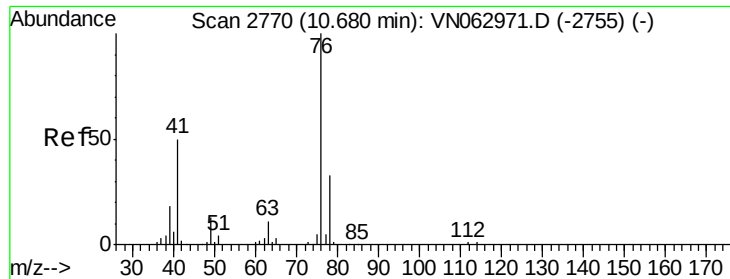
MMDadoda
 8/18/2020 11:12:54 AM



#56
 Ethyl methacrylate
 Concen: 45.771 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		169165		
41	57.5	46.0	69.0		
39	29.2	23.4	35.0		





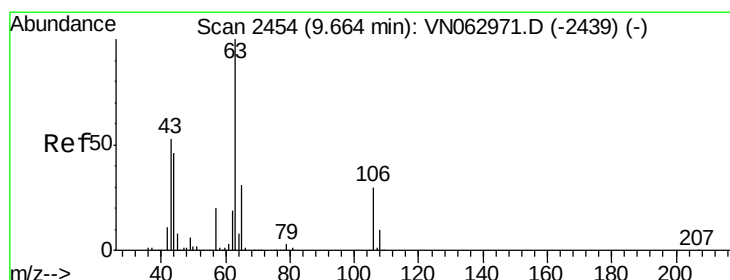
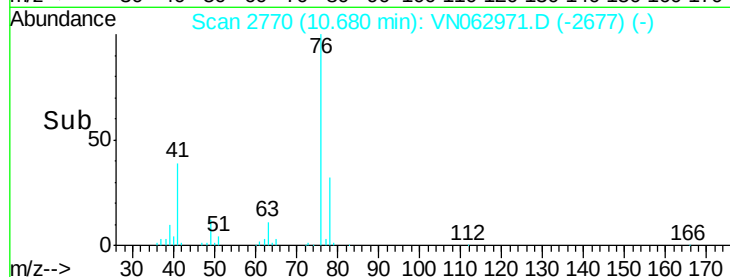
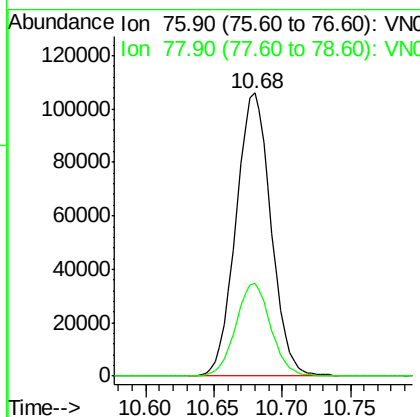
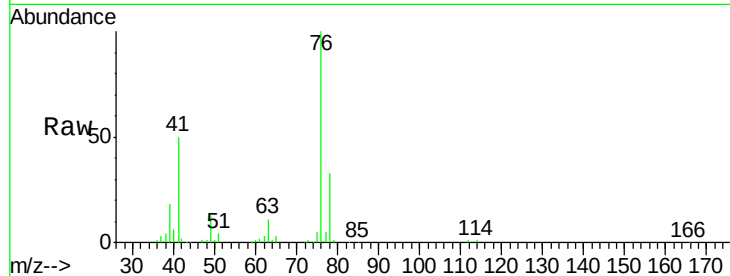
#57
 1,3-Dichloropropane
 Concen: 44.914 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

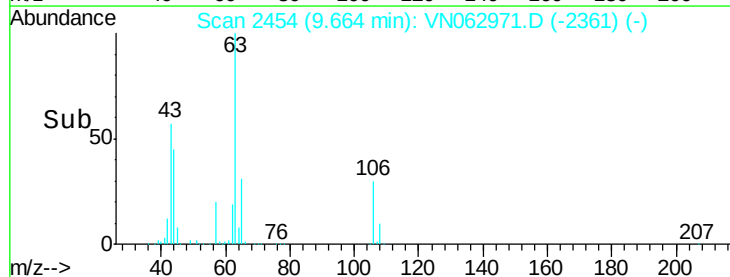
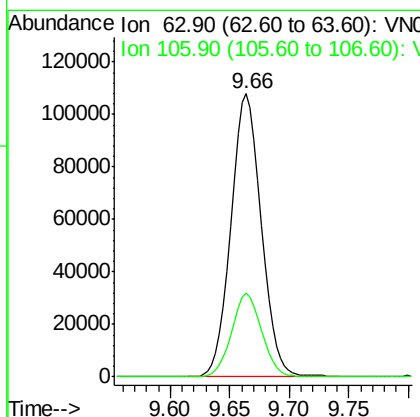
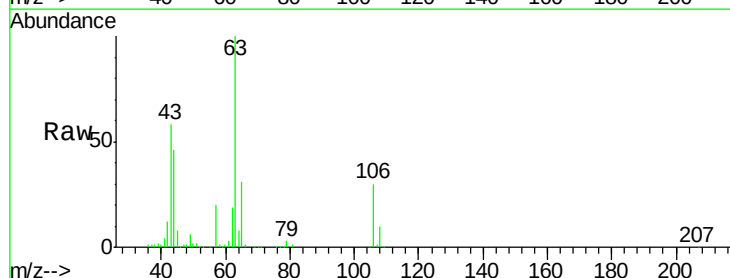
Manual Integrations
 APPROVED

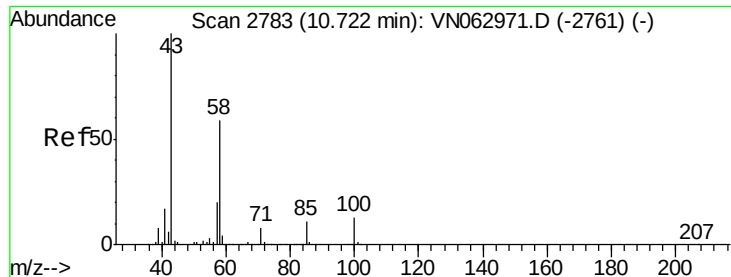
MMDadoda
 8/18/2020 11:12:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 186.487 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.4	35.2





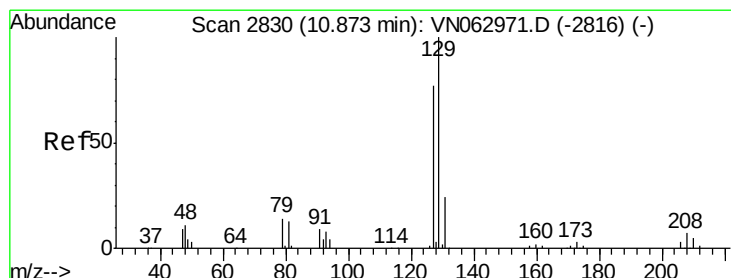
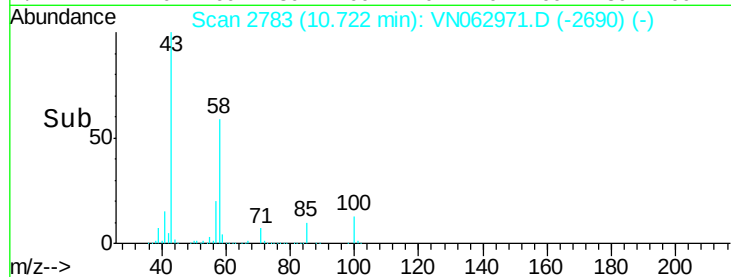
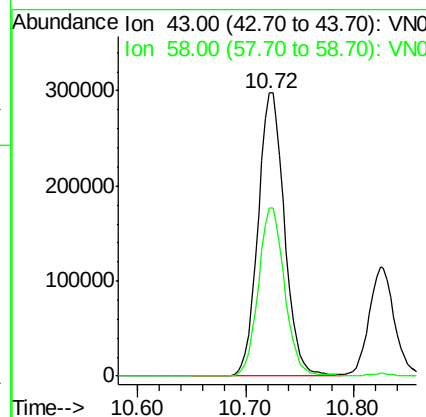
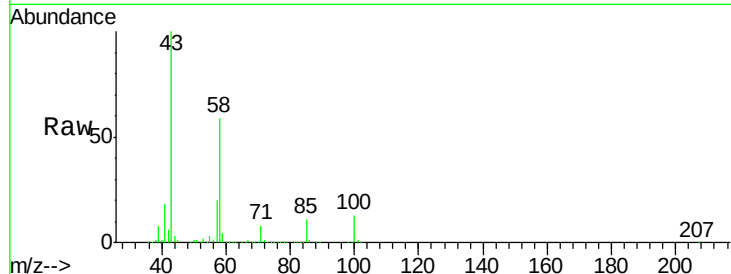
#59
2-Hexanone
Concen: 197.471 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	507074
Ion Ratio	100	Lower	Upper
43	100		
58	59.0	29.5	88.5

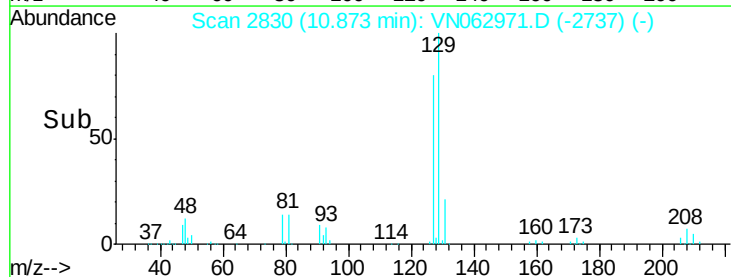
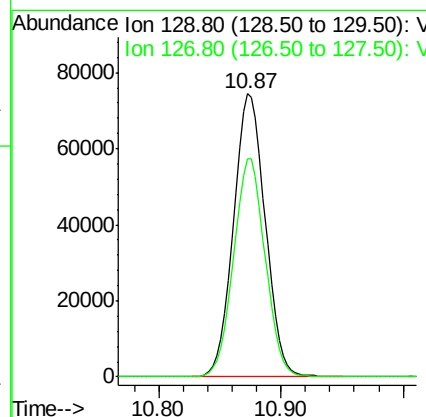
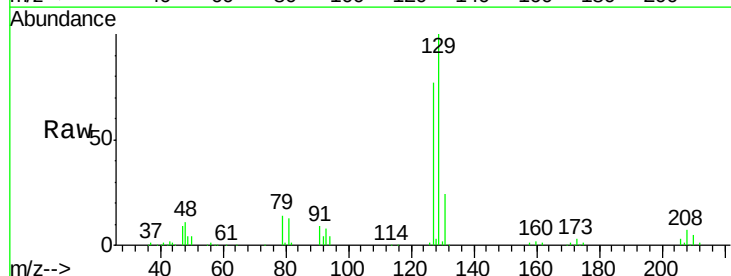
Manual Integrations
APPROVED

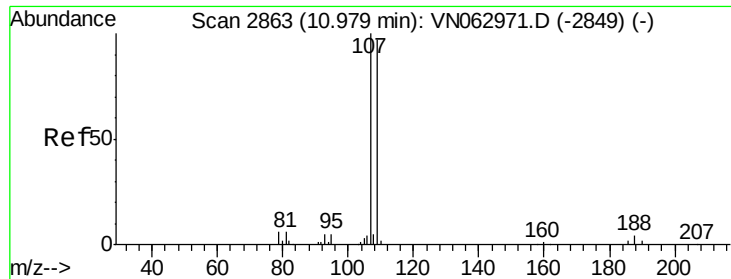
MMDadoda
8/18/2020 11:12:54 AM



#60
Dibromochloromethane
Concen: 47.222 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	129	Resp	134824
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.4	115.2





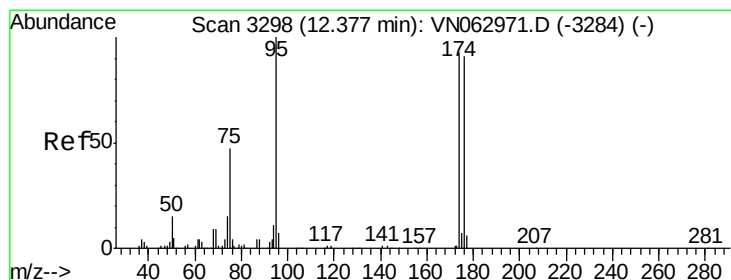
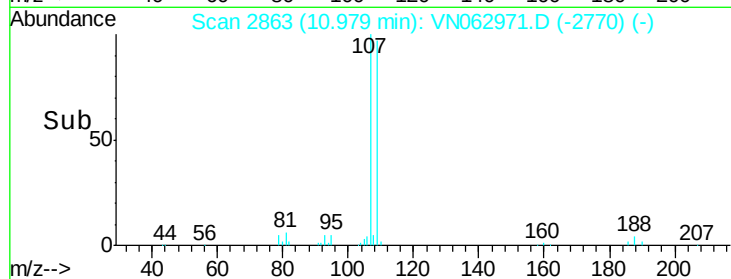
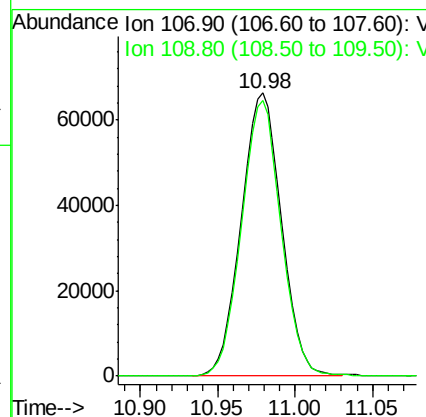
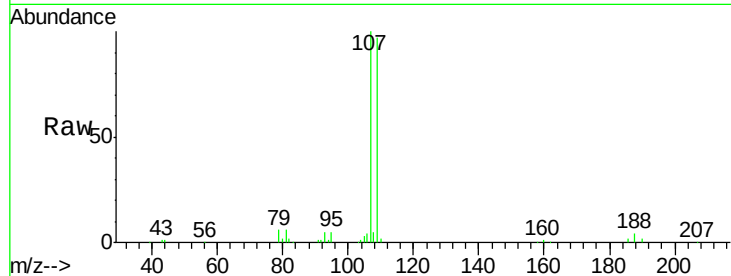
#61
 1,2-Dibromoethane
 Concen: 48.226 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 119853
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.6 115.0

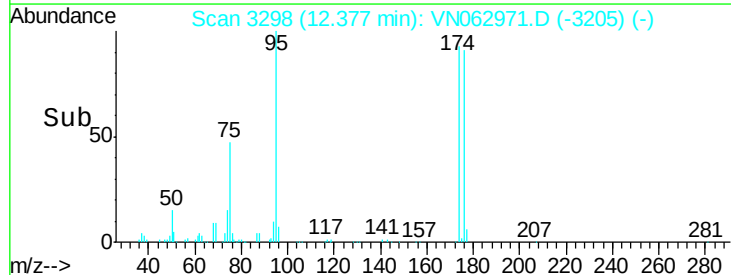
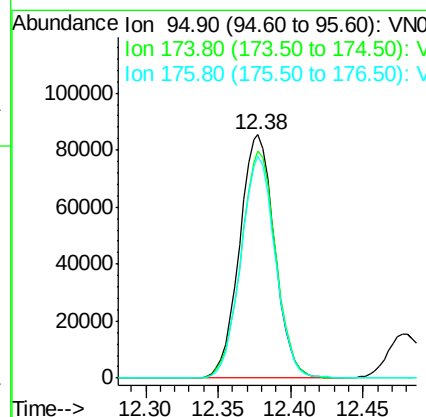
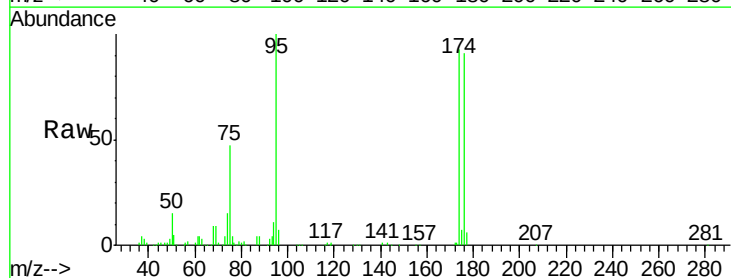
Manual Integrations
 APPROVED

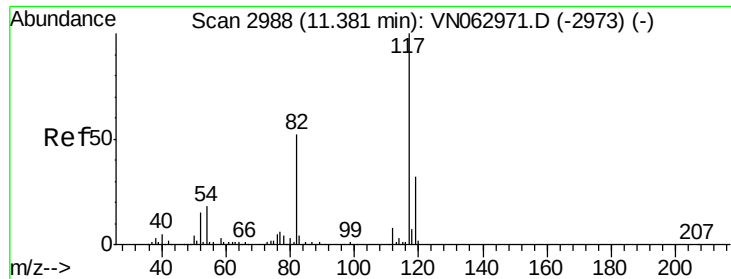
MMDadoda
 8/18/2020 11:12:54 AM



#62
 4-Bromofluorobenzene
 Concen: 44.073 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion: 95 Resp: 143352
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 185.2
 176 89.4 0.0 178.8





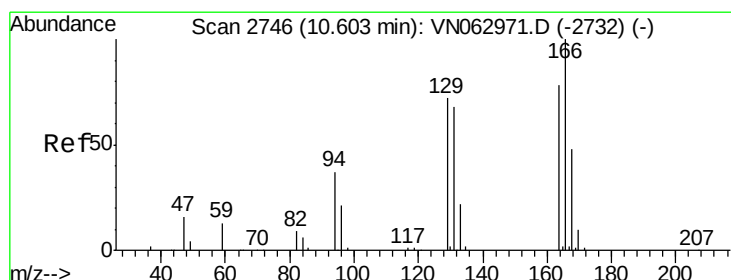
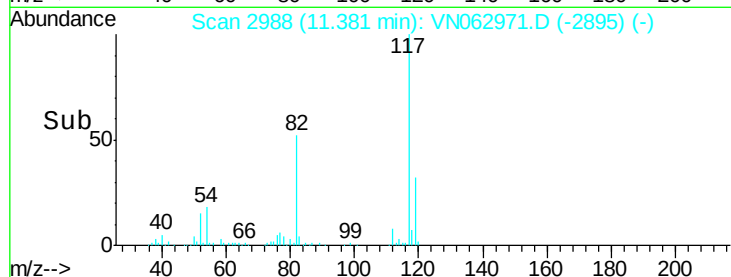
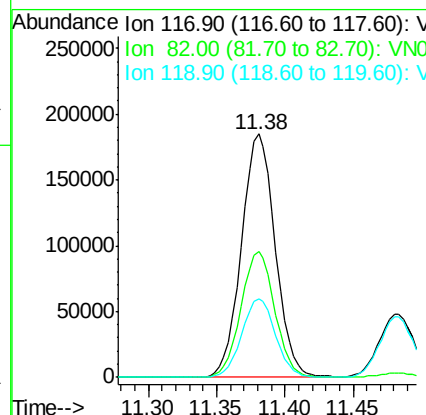
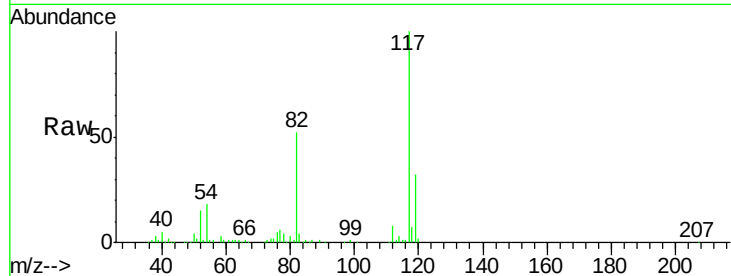
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	317960		
82	51.6		41.3	61.9
119	32.3		25.8	38.8

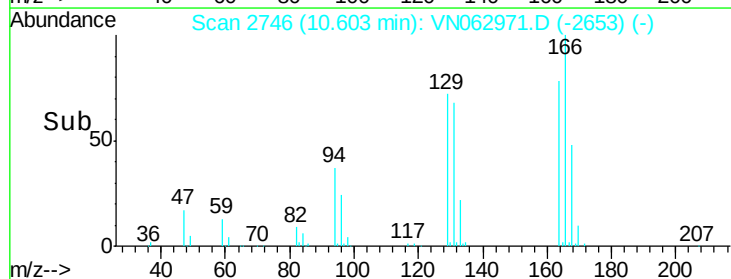
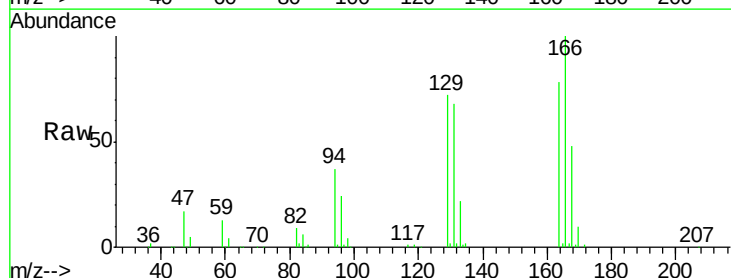
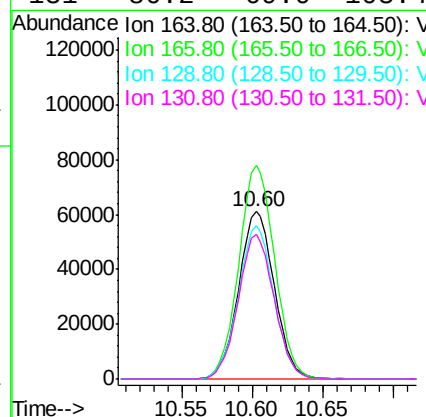
Manual Integrations
APPROVED

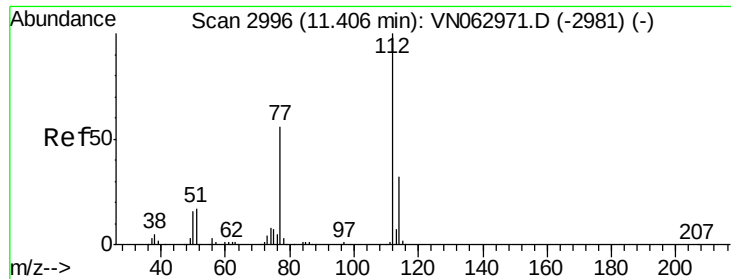
MMDadoda
8/18/2020 11:12:54 AM



#64
Tetrachloroethene
Concen: 52.175 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108518		
166	127.4		101.9	152.9
129	91.4		73.1	109.7
131	86.2		69.0	103.4





#65

Chlorobenzene

Concen: 48.462 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 320700

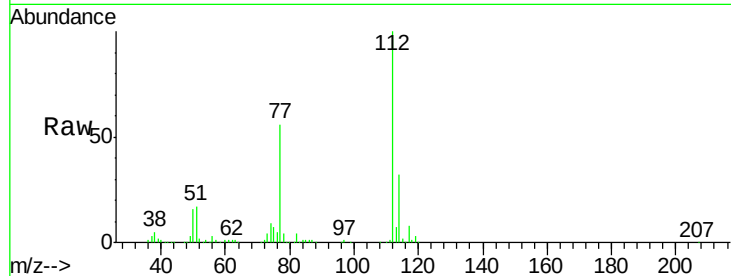
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2

Manual Integrations
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MMDadoda
8/18/2020 11:12:54 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

200000

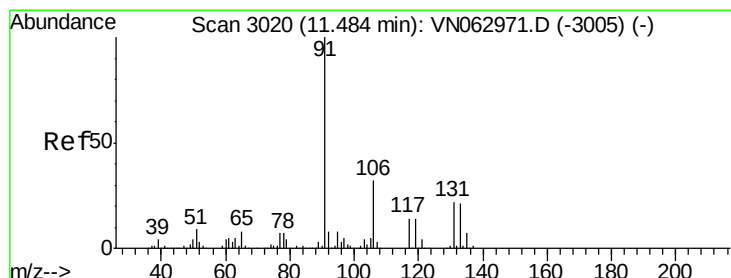
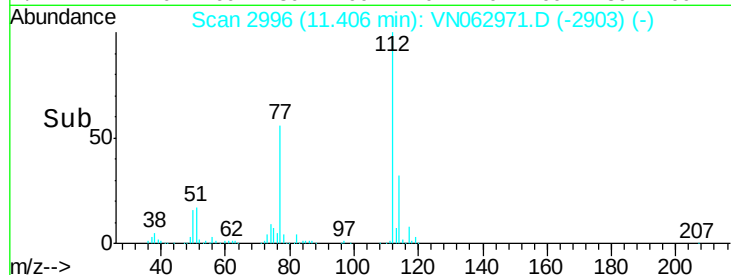
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 47.387 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

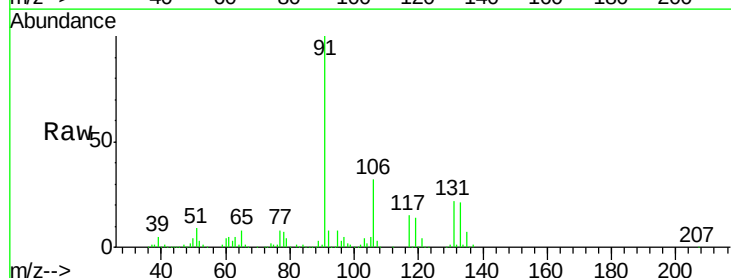
Tgt Ion:131 Resp: 124966

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.4

119 64.7 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.48

80000

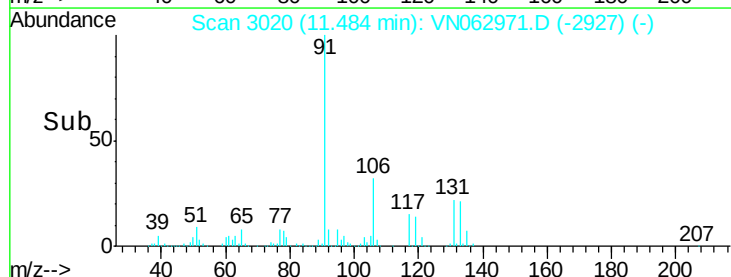
60000

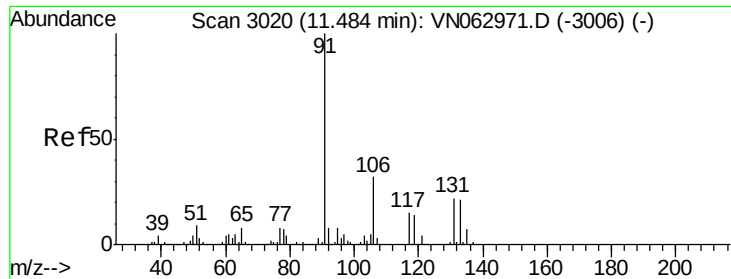
40000

20000

0

Time--> 11.40 11.45 11.50 11.55





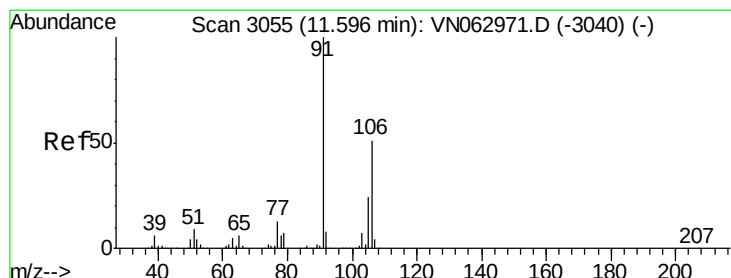
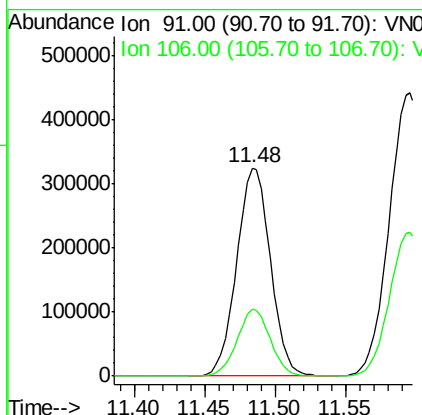
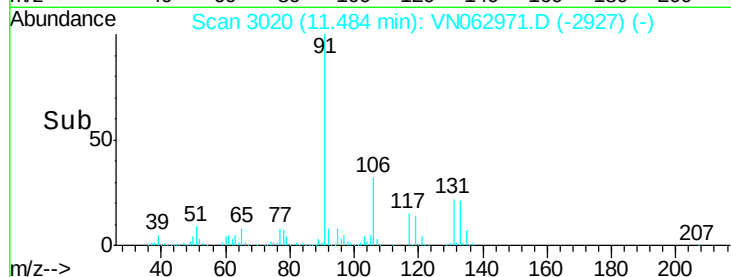
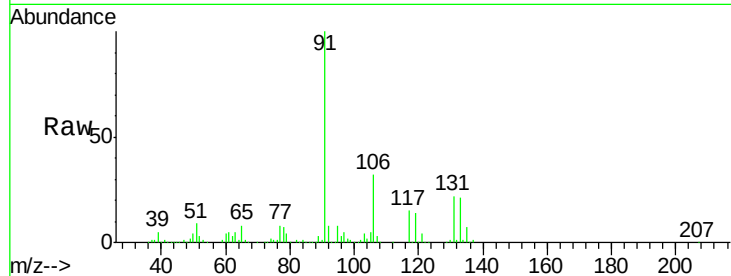
#67
Ethyl Benzene
Concen: 46.842 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 547020
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9

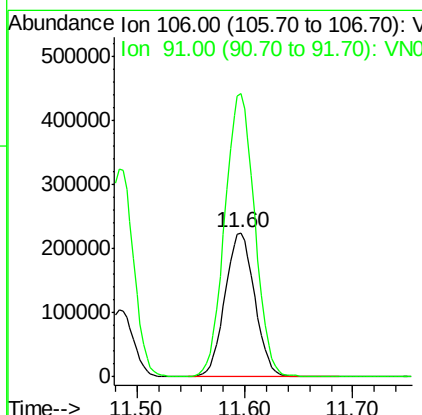
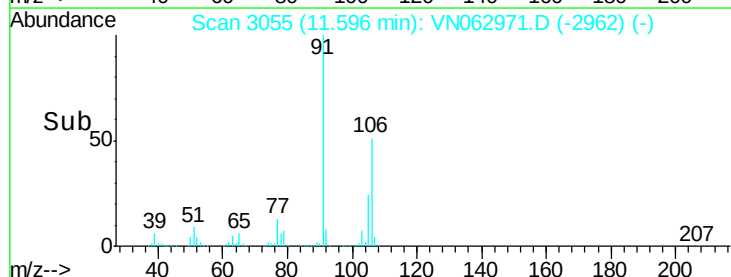
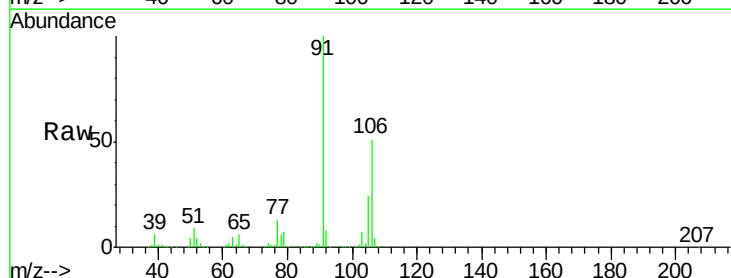
Manual Integrations
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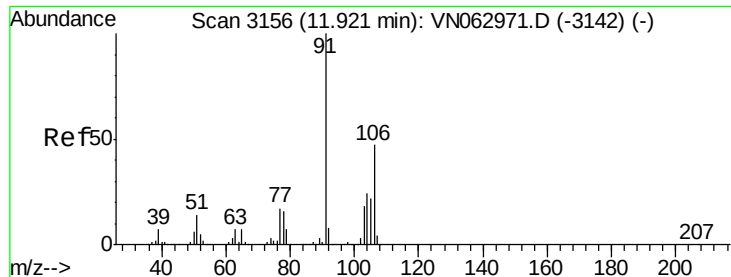
MMDadoda
8/18/2020 11:12:54 AM



#68
m/p-Xylenes
Concen: 100.571 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion: 106 Resp: 430552
Ion Ratio Lower Upper
106 100
91 198.4 158.7 238.1





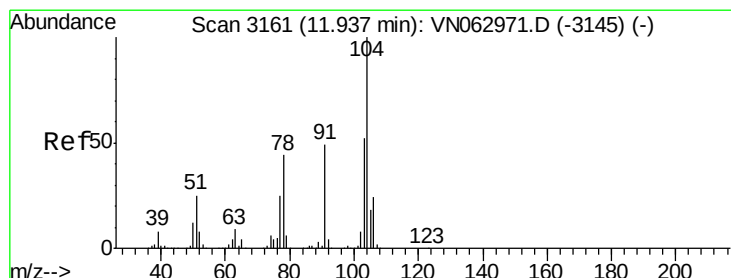
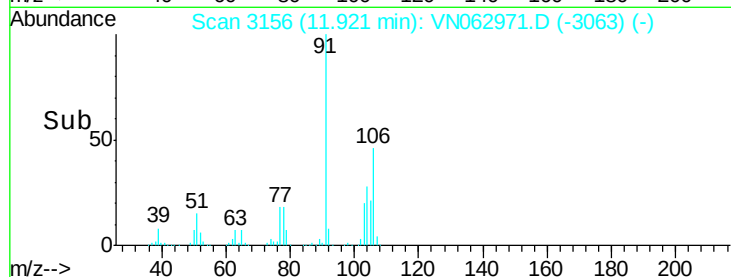
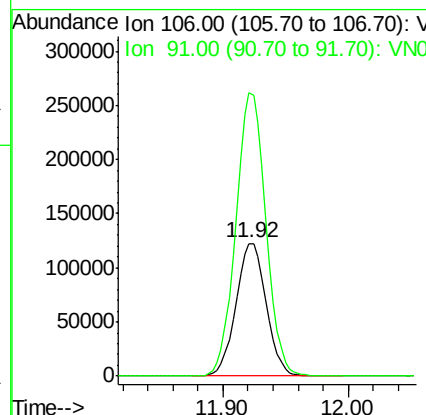
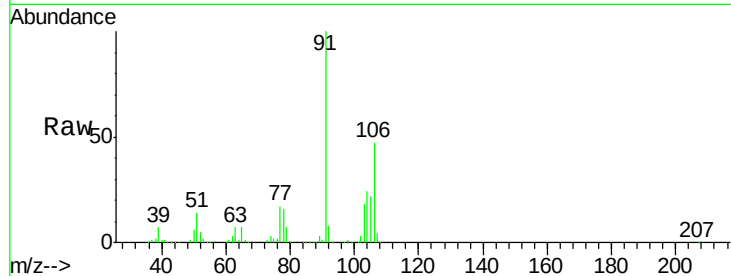
#69
o-Xylene
Concen: 51.089 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		204509		
91	212.5	106.3	318.8		

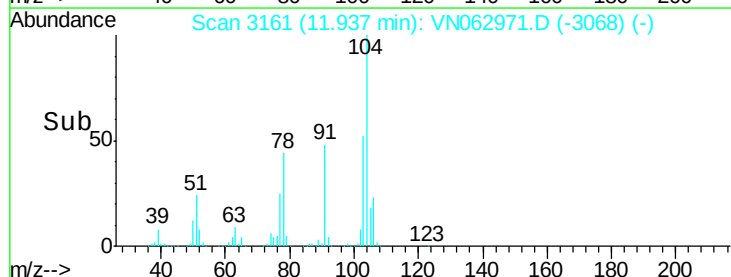
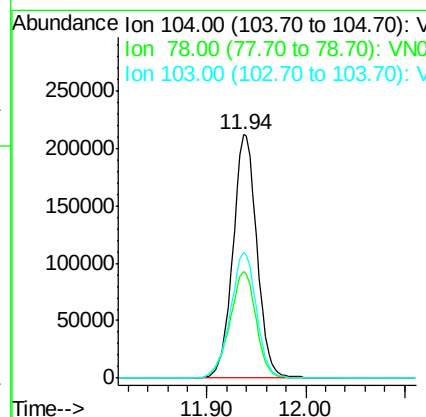
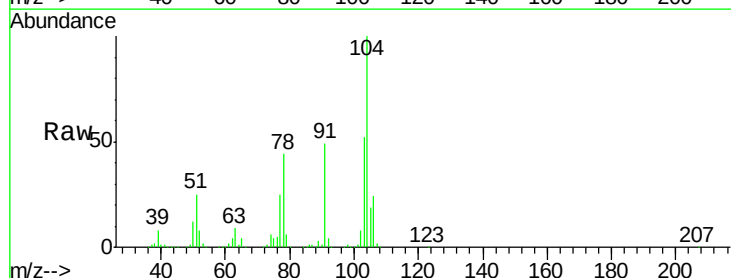
Manual Integrations
APPROVED

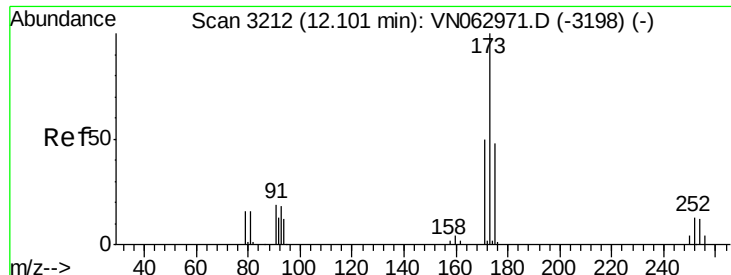
MMDadoda
8/18/2020 11:12:54 AM



#70
Styrene
Concen: 51.433 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		361668		
78	47.8	38.2	57.4		
103	56.1	44.9	67.3		





#71

Bromoform

Concen: 50.513 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:173 Resp: 110047

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

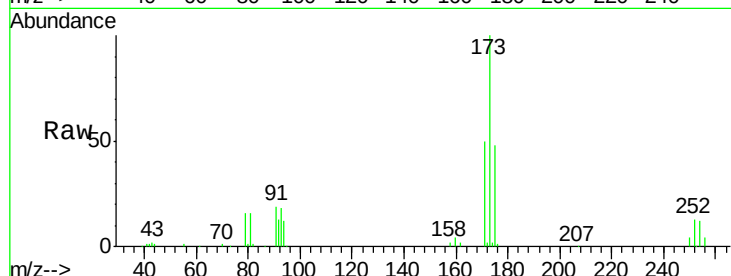
254 0.0 0.0 0.0

Manual Integrations

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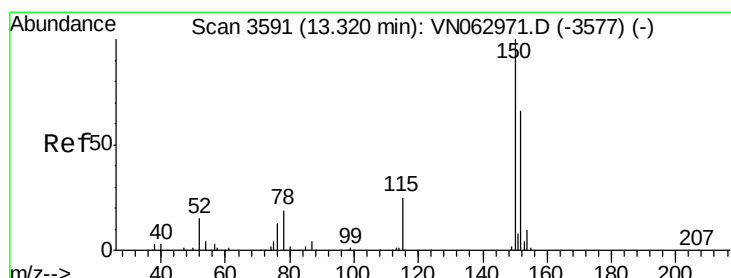
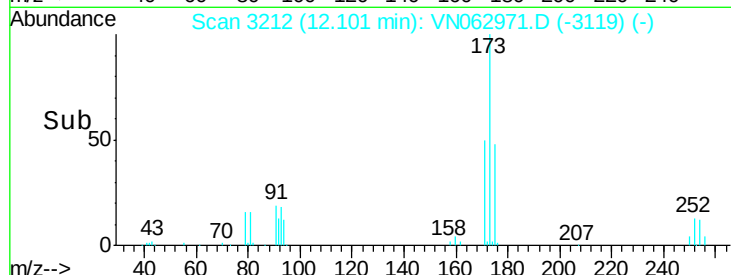
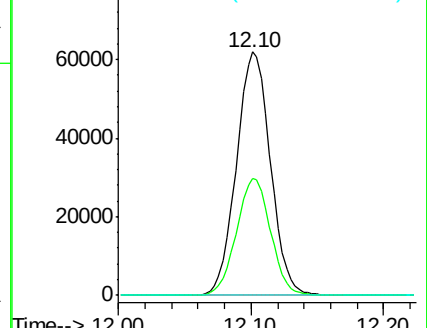
8/18/2020 11:12:54 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

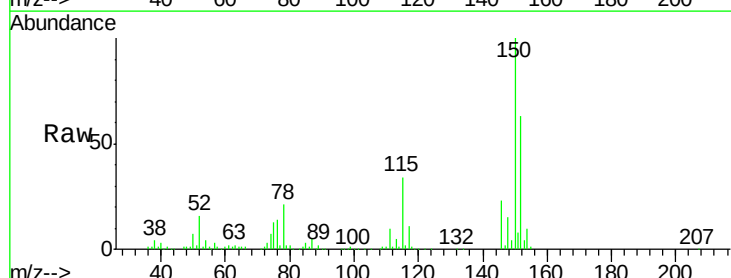
Tgt Ion:152 Resp: 165317

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.3

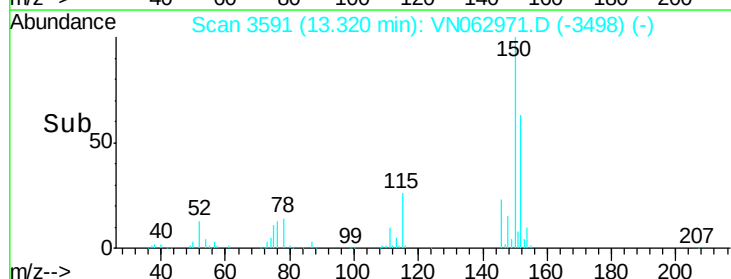
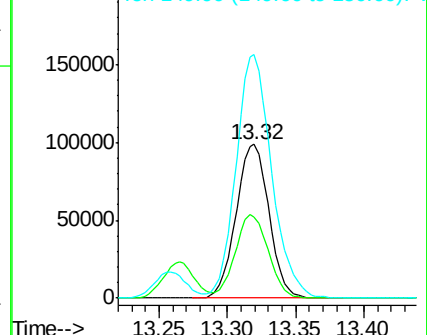
150 170.7 0.0 341.4

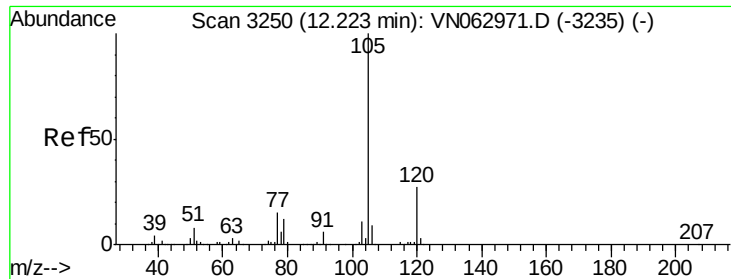


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





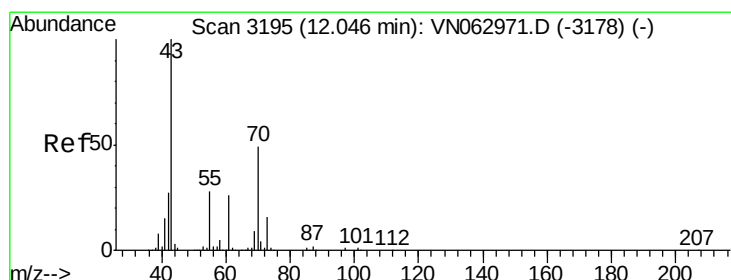
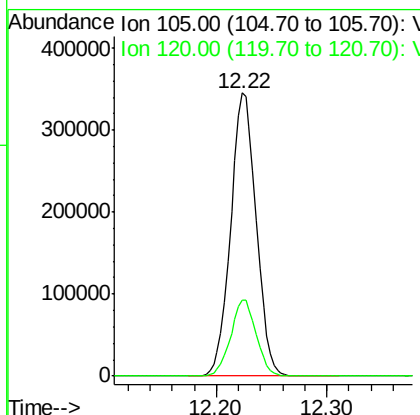
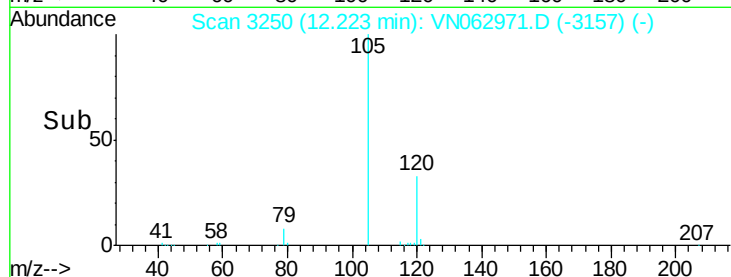
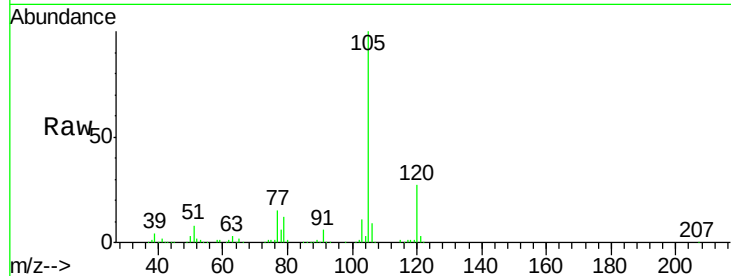
#73
Isopropylbenzene
Concen: 45.463 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

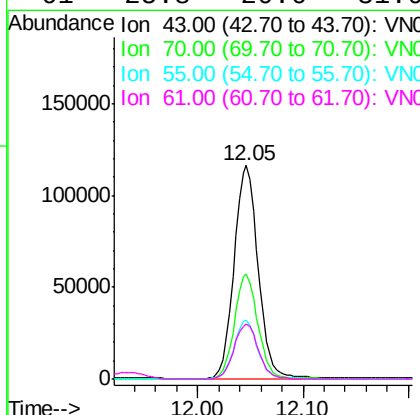
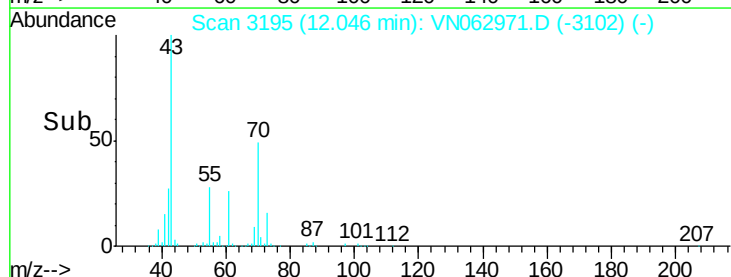
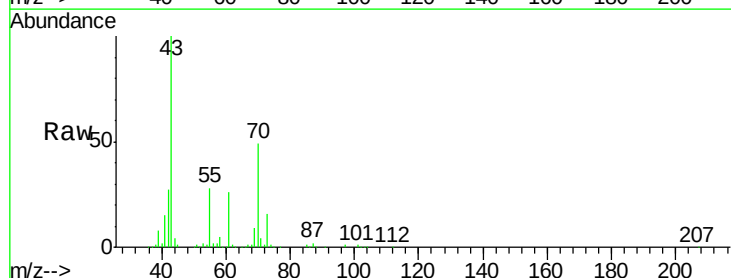
Manual Integrations
APPROVED

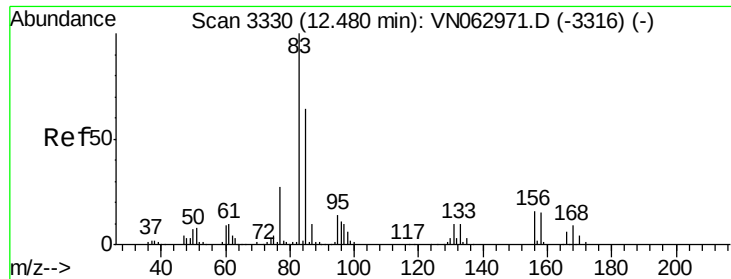
MMDadoda
8/18/2020 11:12:54 AM



#74
N-ethyl acetate
Concen: 38.939 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.0	38.4	57.6
55	27.4	21.9	32.9
61	25.8	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 41.665 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

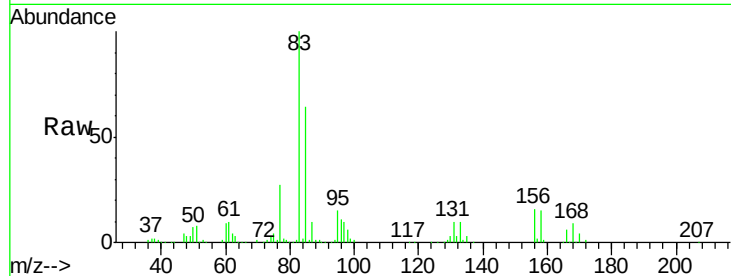
ClientSampled :

VSTDICCC050

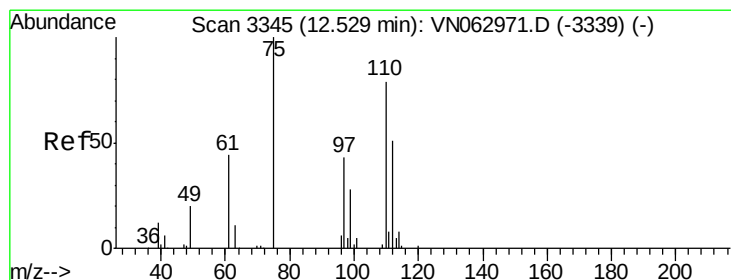
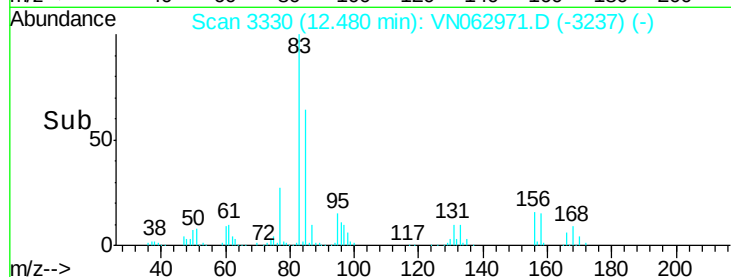
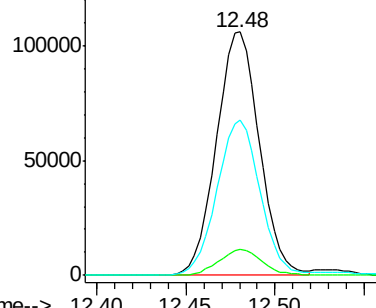
Tot Ion:	83	Resp:	178595
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	63.8	31.9	95.7

Manual Integrations
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MMDadoda
8/18/2020 11:12:54 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062971.D (-3316) (-)



#76

1,2,3-Trichloropropane

Concen: 37.325 ug/l m

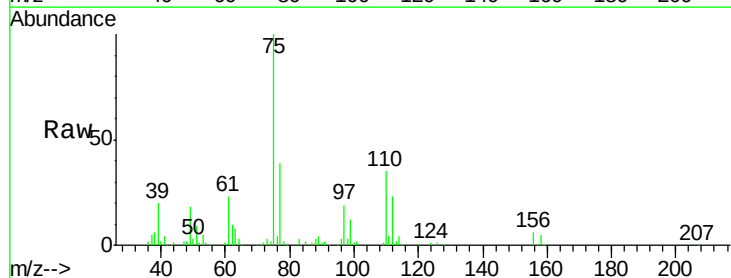
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

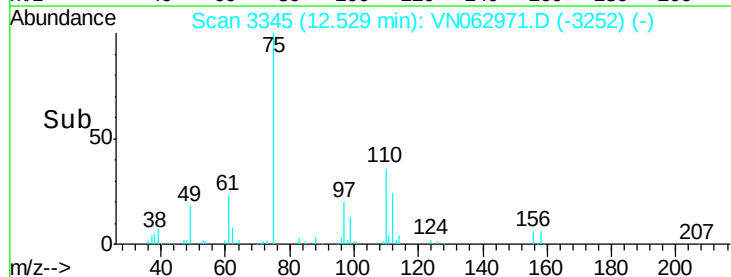
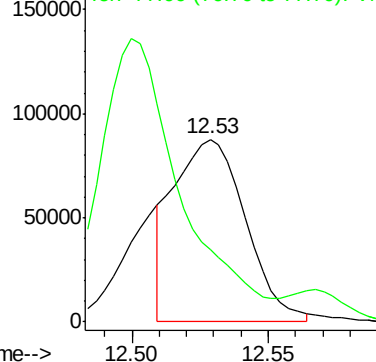
Lab File: VN062971.D

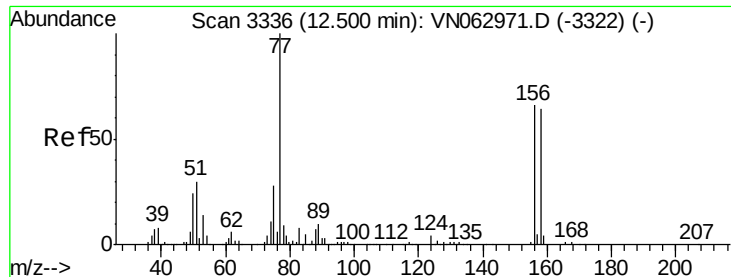
Acq: 17 Aug 2020 14:38

Tgt Ion:	75	Resp:	159746
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062971.D (-3339) (-)





#77

Bromobenzene

Concen: 49.110 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

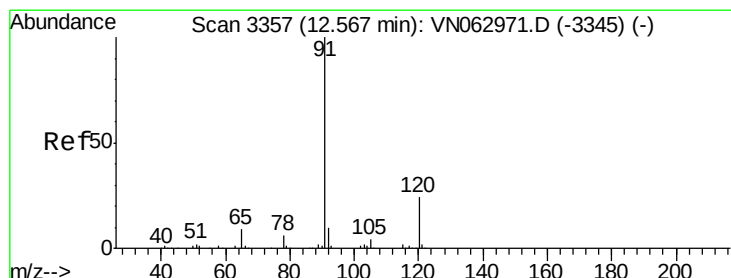
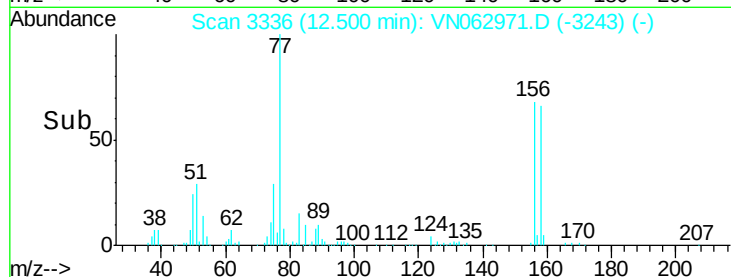
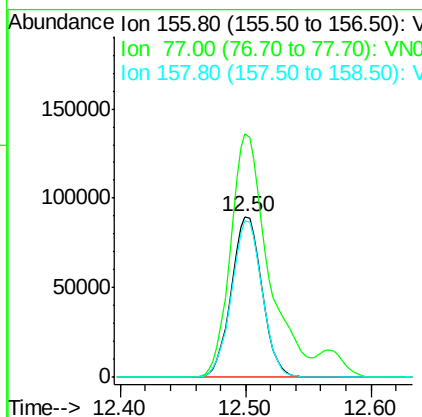
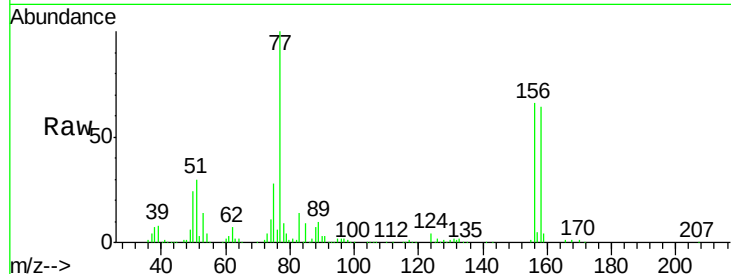
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	152606
Ion Ratio	Lower	Upper	
156	100		
77	184.8	92.4	277.2
158	97.2	48.6	145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 44.590 ug/l

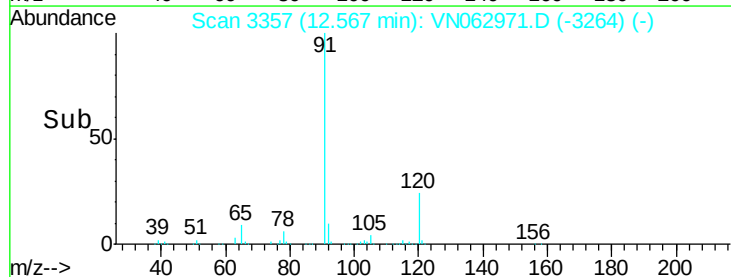
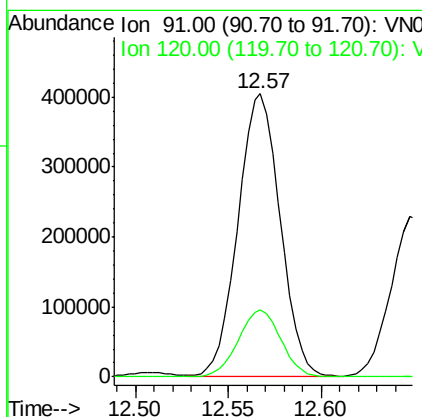
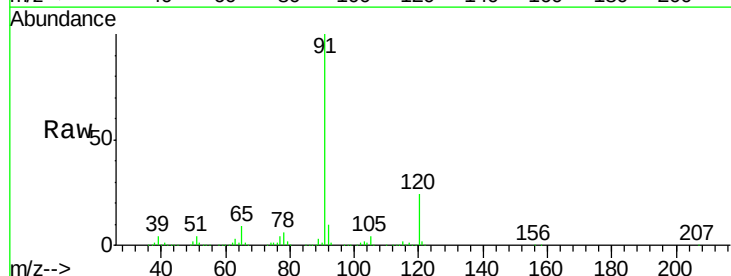
RT: 12.57 min Scan# 3357

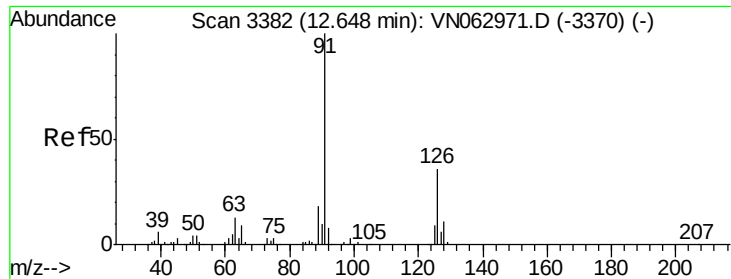
Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Tgt Ion:	91	Resp:	635766
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.1	36.3





#79

2-Chlorotoluene

Concen: 42.147 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 375036

Ion Ratio Lower Upper

91 100

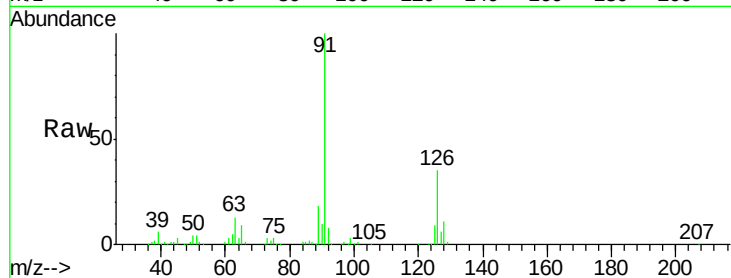
126 36.2 18.1 54.3

Manual Integrations

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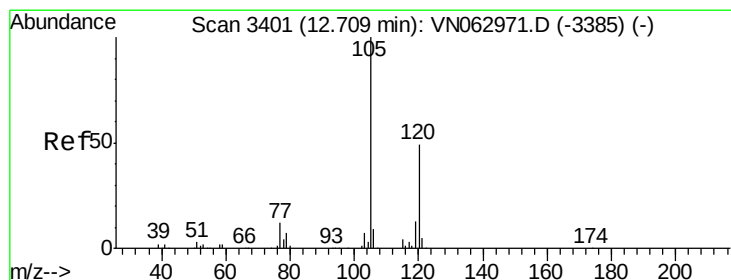
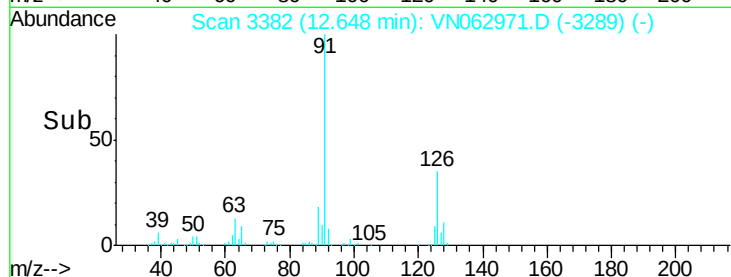
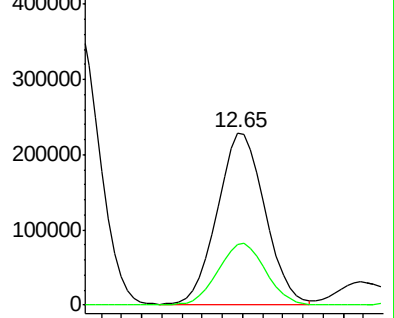
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN062971.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062971.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.091 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062971.D

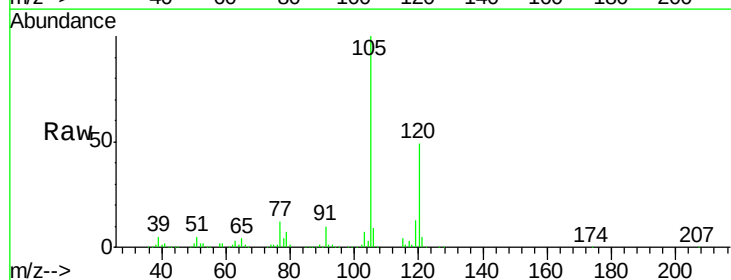
Acq: 17 Aug 2020 14:38

Tgt Ion: 105 Resp: 486452

Ion Ratio Lower Upper

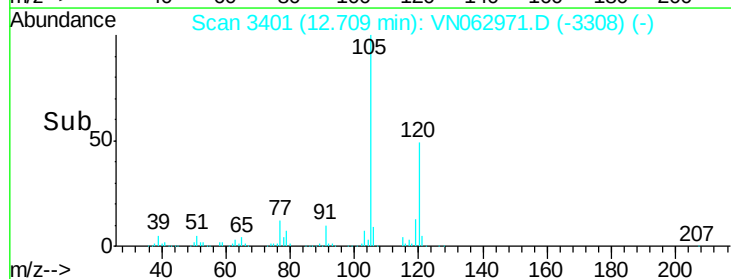
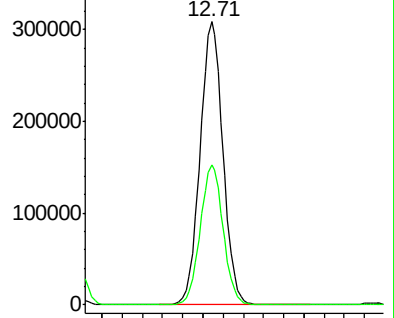
105 100

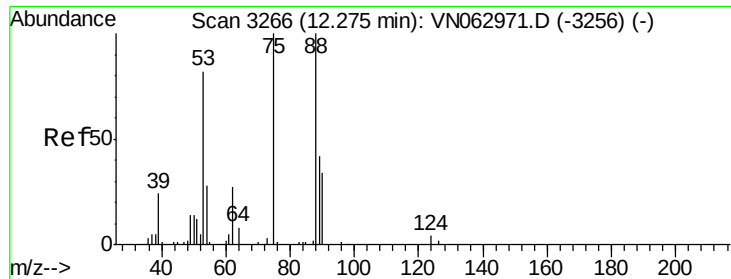
120 49.8 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN062971.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062971.D (-3385) (-)





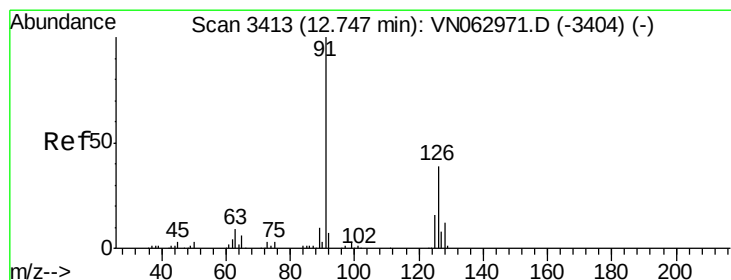
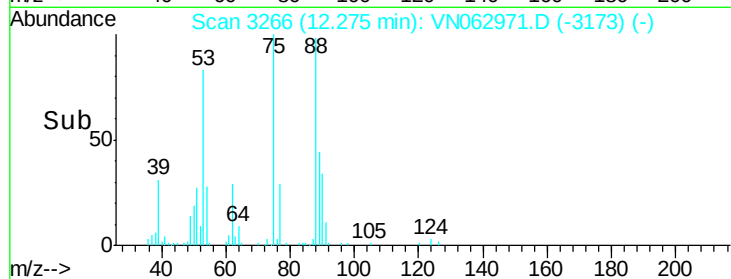
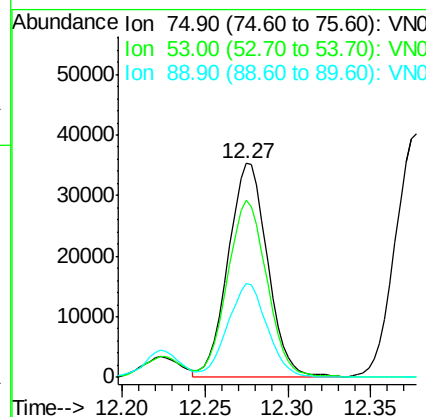
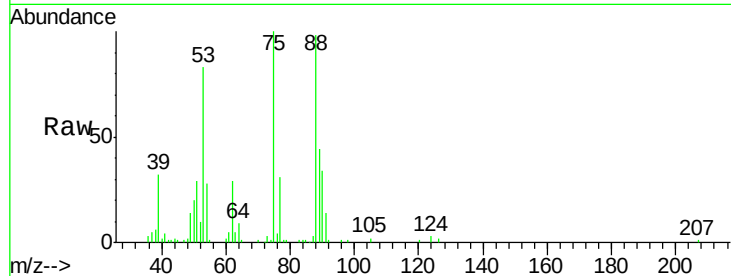
#81
trans-1,4-Dichloro-2-butene
Concen: 42.117 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.7	66.2	99.2
89	43.7	35.0	52.4

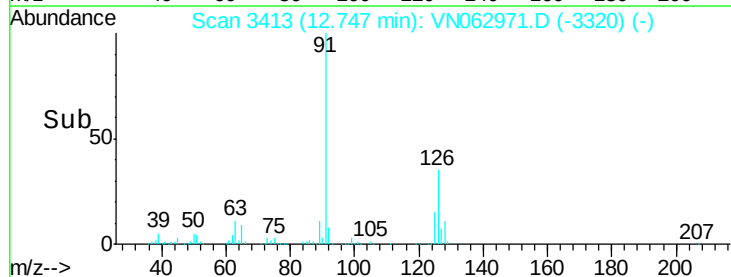
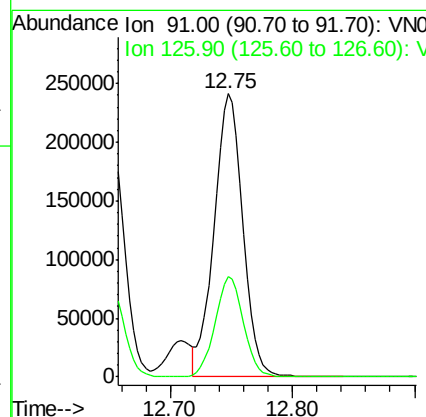
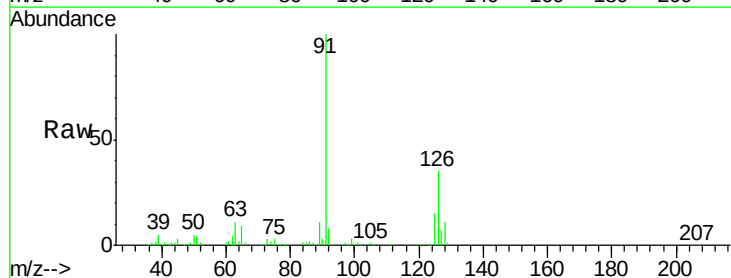
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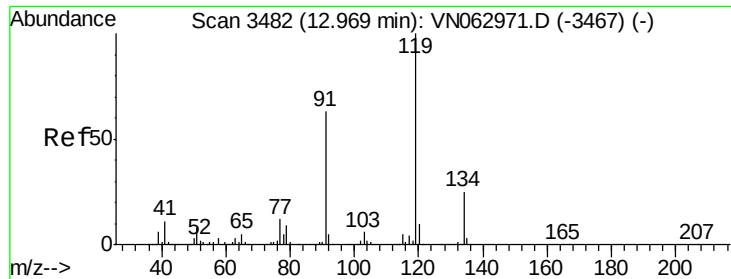
MMDadoda
8/18/2020 11:12:54 AM



#82
4-Chlorotoluene
Concen: 43.178 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





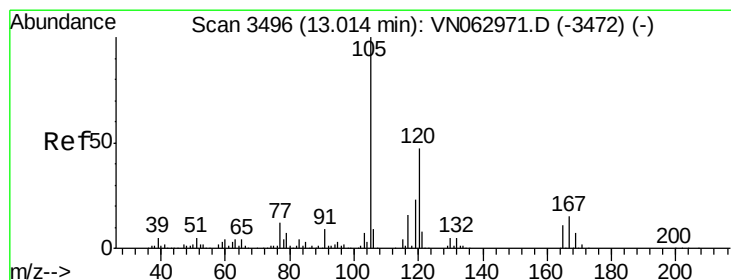
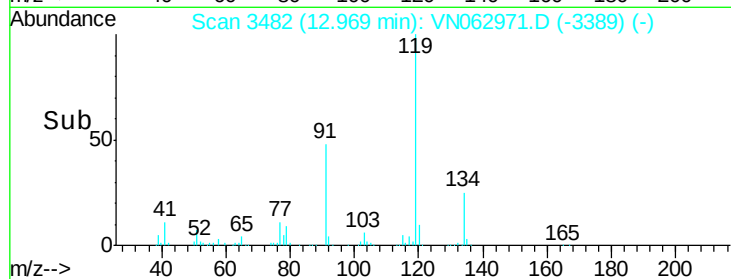
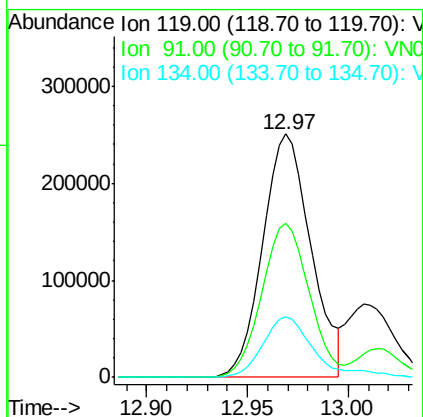
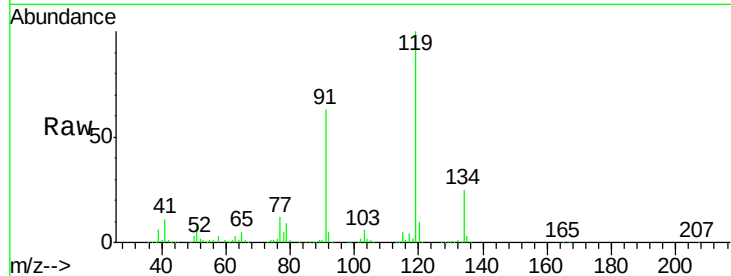
#83
 tert-Butylbenzene
 Concen: 46.469 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	416951		
91	62.0	31.0	93.0	
134	26.5	13.3	39.8	

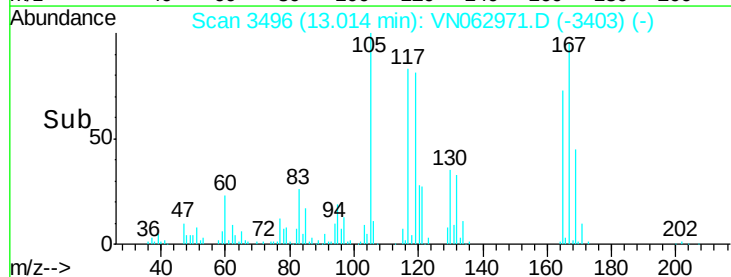
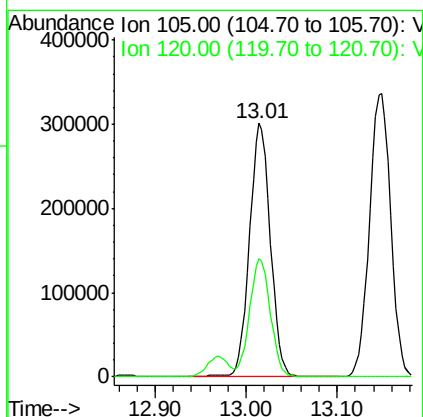
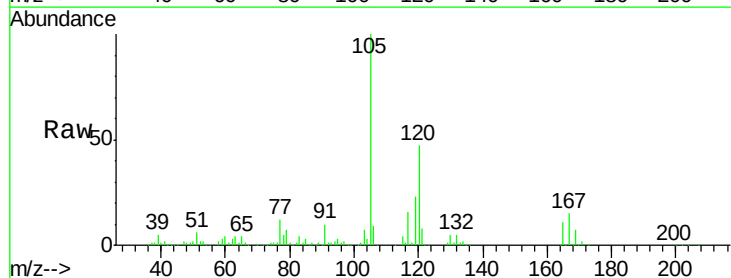
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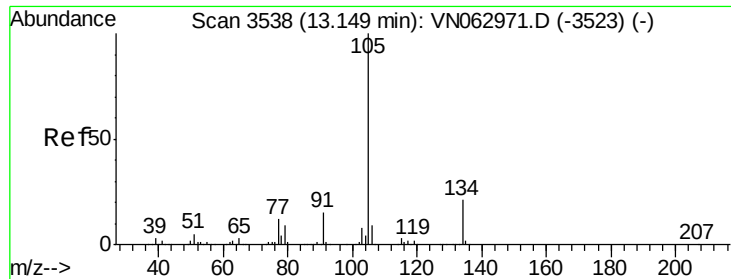
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.472 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	479625		
120	46.4	23.2	69.6	





#85

sec-Butylbenzene

Concen: 46.414 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 546160

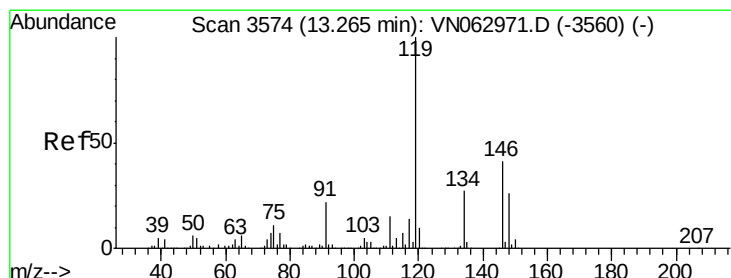
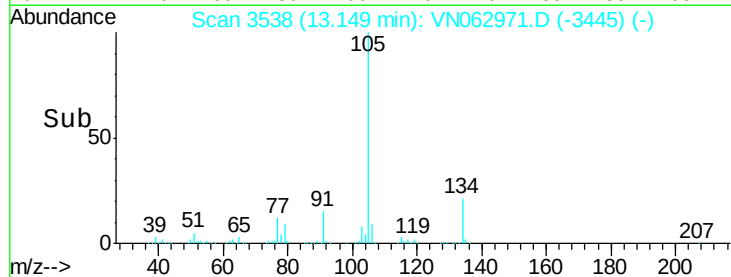
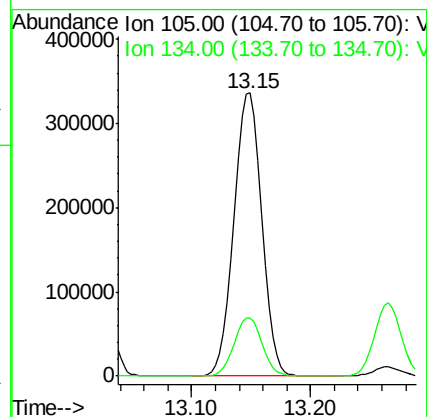
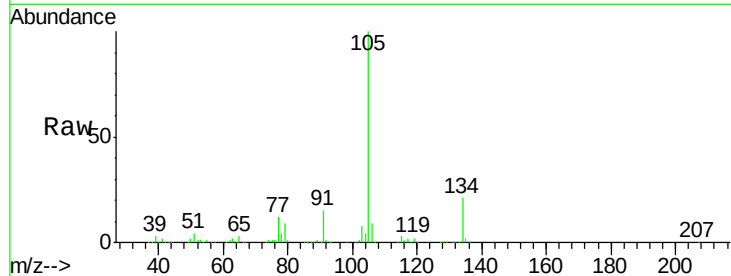
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 48.060 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062971.D

Acq: 17 Aug 2020 14:38

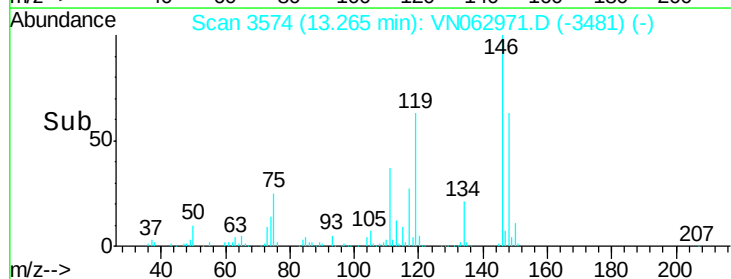
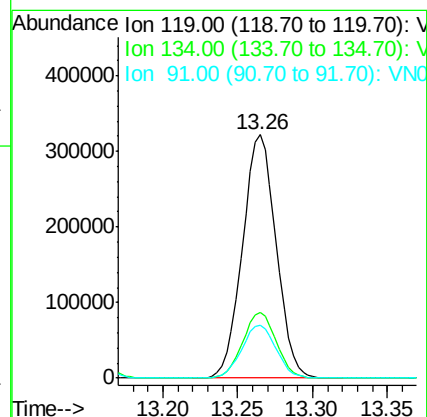
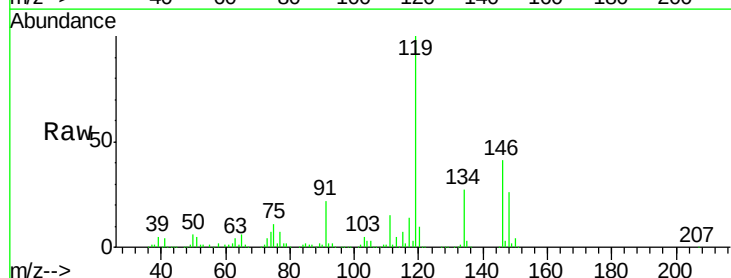
Tgt Ion:119 Resp: 502568

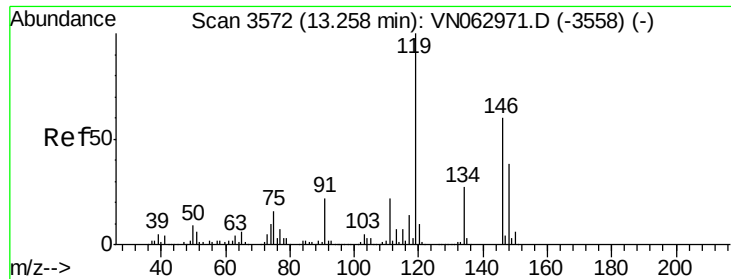
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.1 11.1 33.1





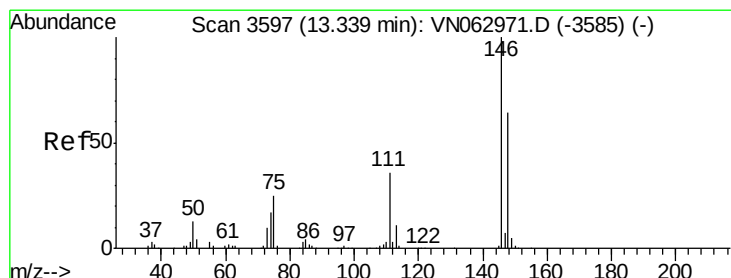
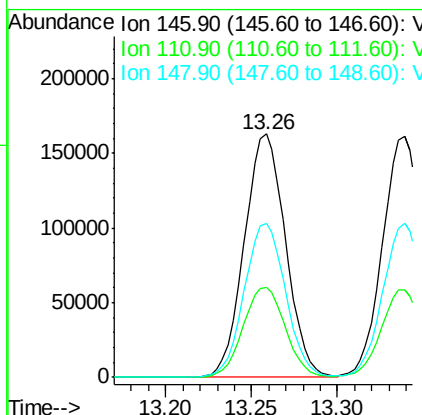
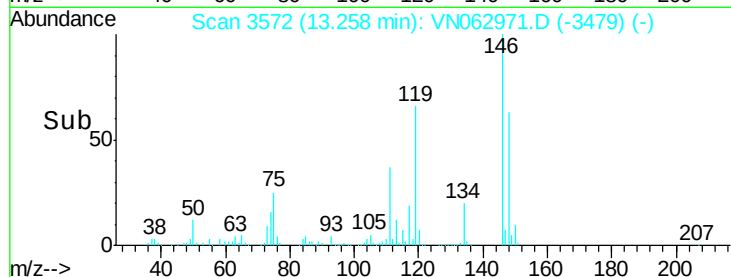
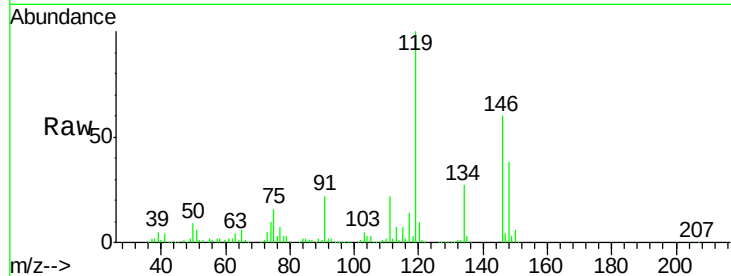
#87
 1,3-Dichlorobenzene
 Concen: 49.348 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	271723		
111	37.7	18.9	56.5	
148	63.4	31.7	95.1	

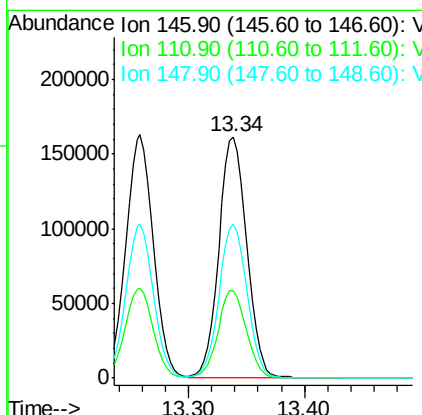
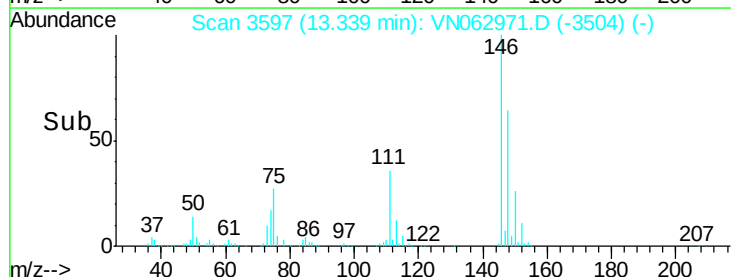
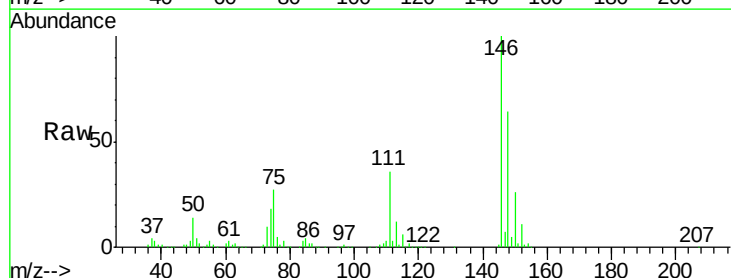
Manual Integrations
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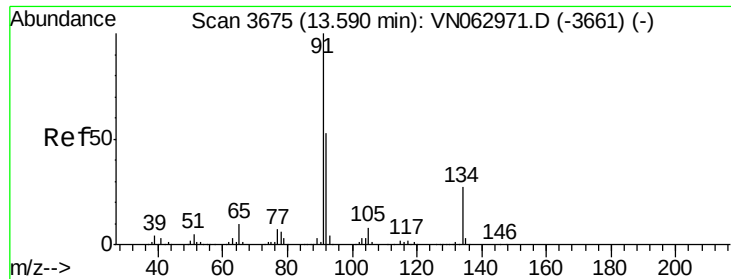
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#88
 1,4-Dichlorobenzene
 Concen: 48.641 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	269513		
111	36.8	18.4	55.2	
148	64.3	32.1	96.5	





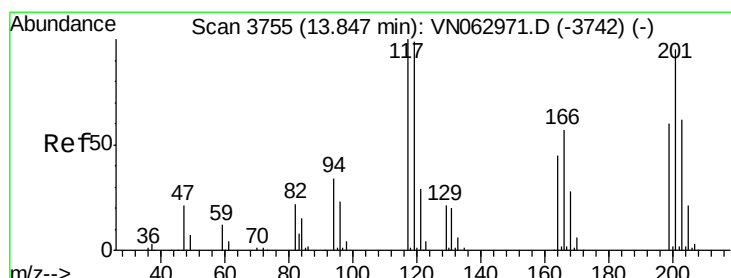
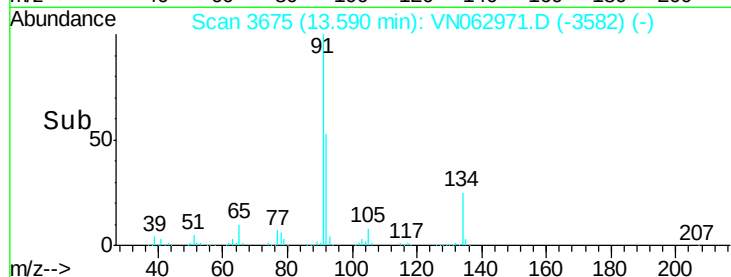
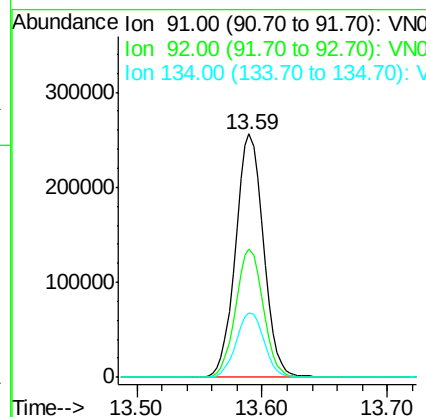
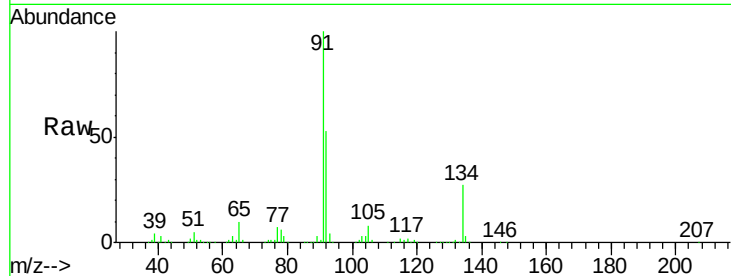
#89
n-Butylbenzene
Concen: 45.000 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	26.8	13.4	40.2

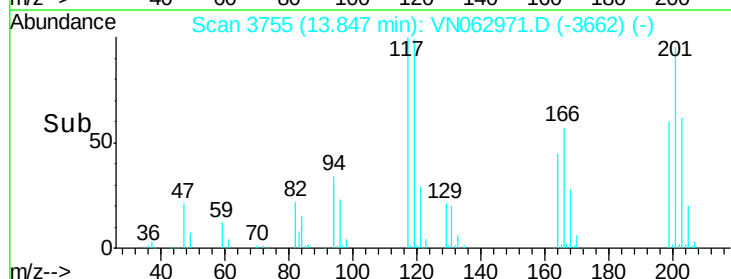
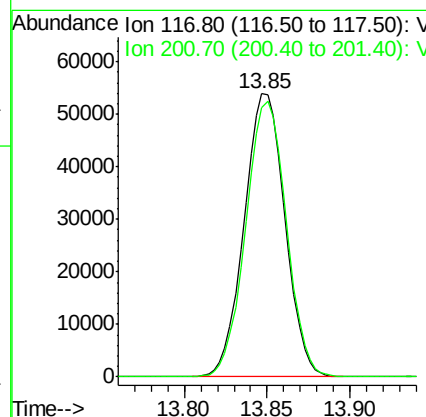
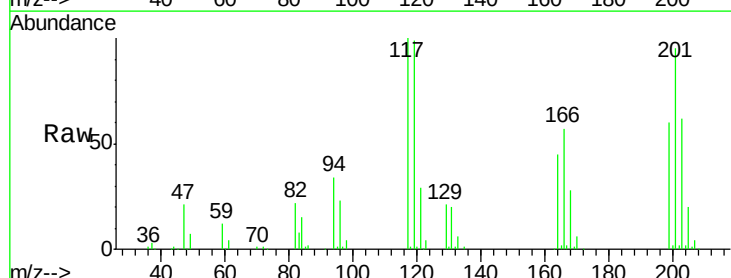
Manual Integrations
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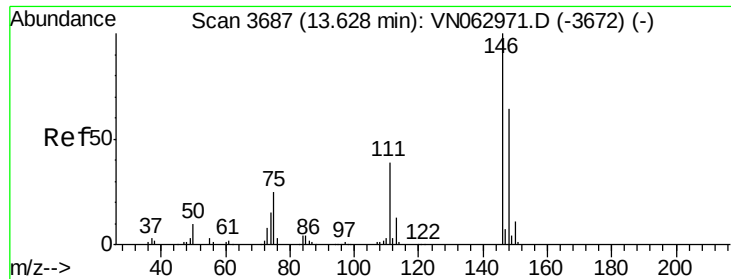
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#90
Hexachloroethane
Concen: 41.241 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	48.4	145.3





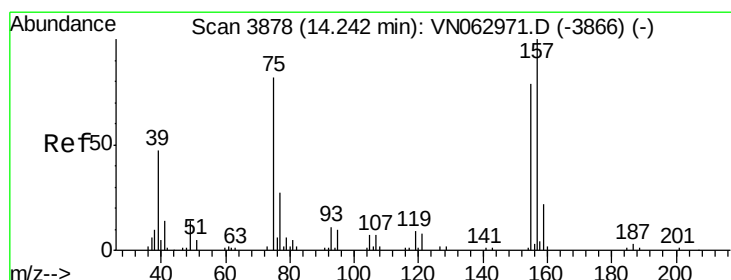
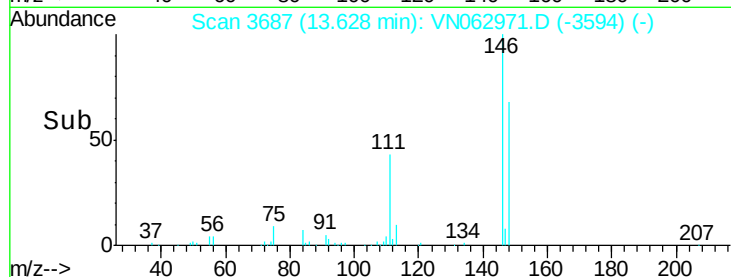
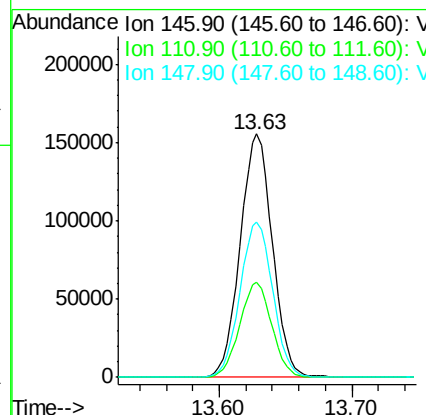
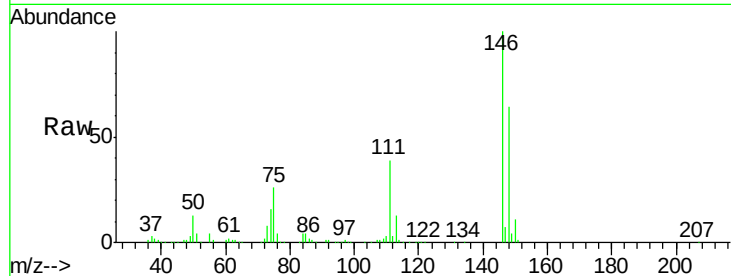
#91
 1,2-Dichlorobenzene
 Concen: 50.671 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	65.0	32.5	97.5

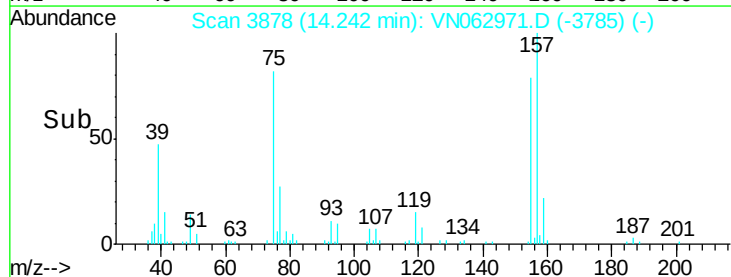
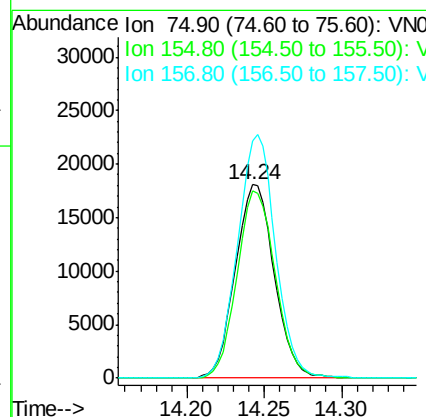
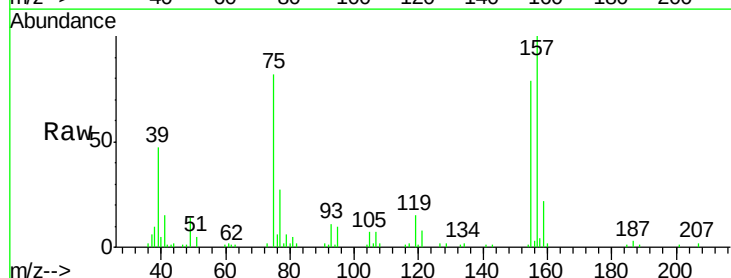
Manual Integrations
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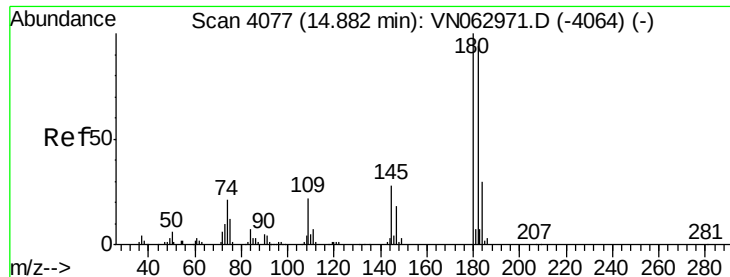
MMDadoda
 8/18/2020 11:12:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 35.752 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	47.6	142.8
157	122.7	61.4	184.1





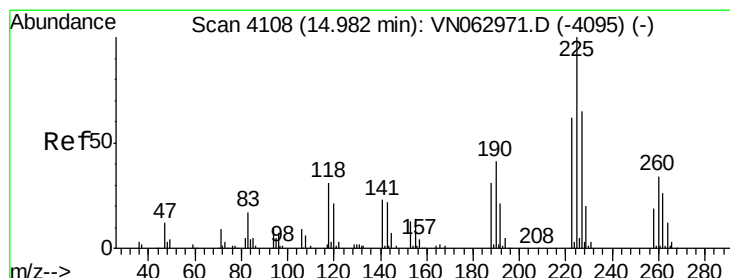
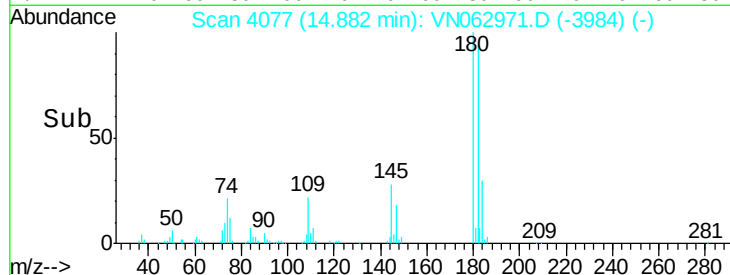
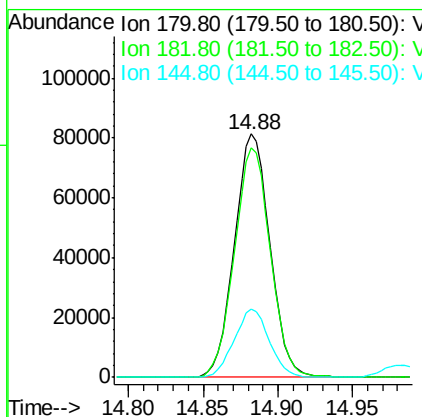
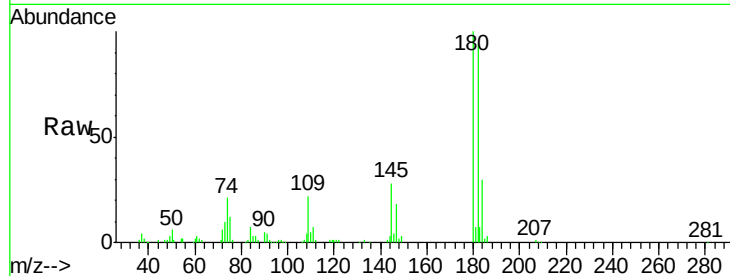
#93
 1,2,4-Trichlorobenzene
 Concen: 54.821 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	134441
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.8	143.3
145	27.8	13.9	41.7

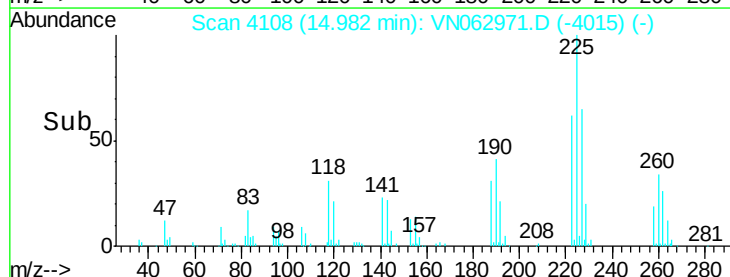
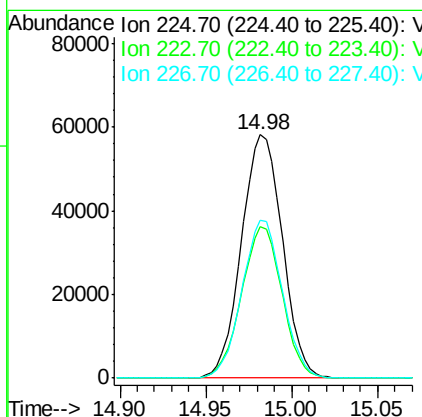
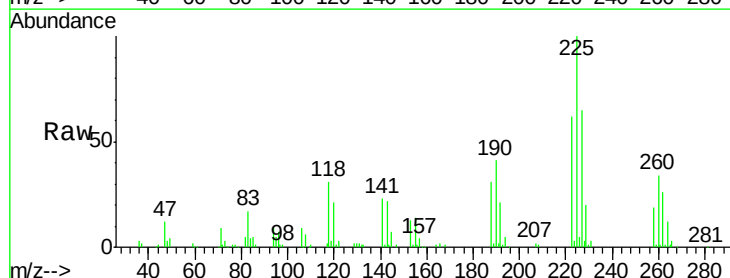
Manual Integrations
 APPROVED

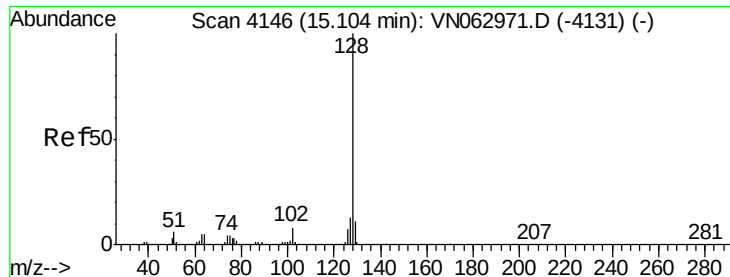
MMDadoda
 8/18/2020 11:12:54 AM



#94
 Hexachlorobutadiene
 Concen: 52.391 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062971.D
 Acq: 17 Aug 2020 14:38

Tgt Ion:	225	Resp:	96342
Ion Ratio	Lower	Upper	
225	100		
223	61.7	30.9	92.5
227	64.0	32.0	96.0





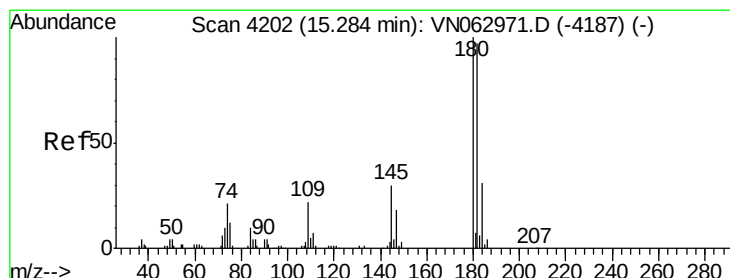
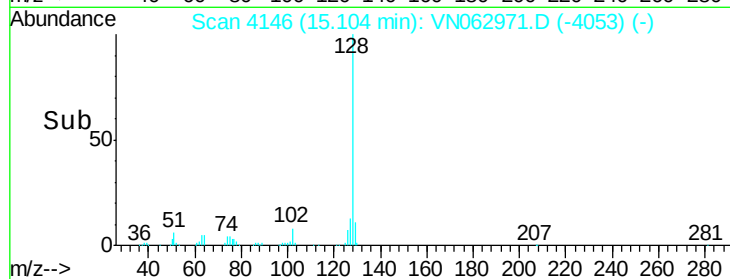
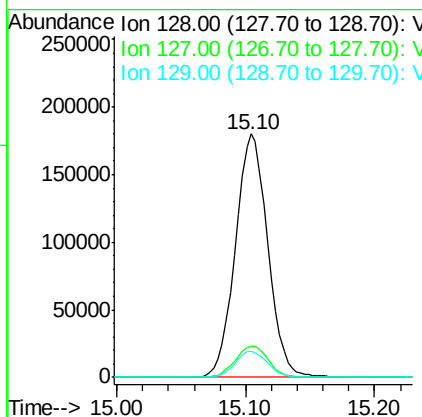
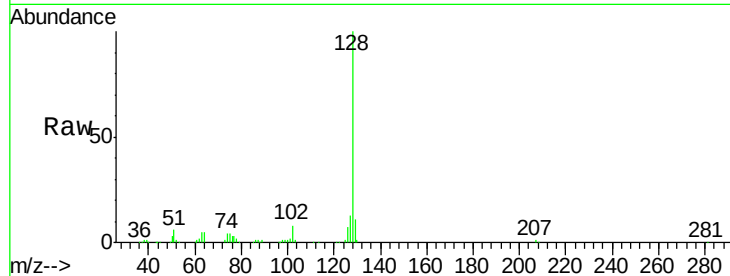
#95
Naphthalene
Concen: 49.811 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		313523		
127	13.2		10.6	15.8	
129	10.7		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.938 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062971.D
Acq: 17 Aug 2020 14:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		132783		
182	98.5		49.3	147.8	
145	30.0		15.0	45.0	

