

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062996.D
 Acq On : 18 Aug 2020 19:53
 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
 8/19/2020 5:46:13 PM

Quant Time: Aug 19 05:58:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	178462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	101670	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.55	113	85344	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.06	98	333089	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.38	95	117610	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	118952	56.293	ug/l	100
3) Chloromethane	2.03	50	131695	53.820	ug/l	100
4) Vinyl Chloride	2.16	62	131760	55.679	ug/l	100
5) Bromomethane	2.51	94	73662	52.444	ug/l	100
6) Chloroethane	2.66	64	74893	53.604	ug/l	100
7) Trichlorofluoromethane	2.98	101	155236	52.603	ug/l	100
8) Diethyl Ether	3.37	74	50427	48.302	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	76709	48.239	ug/l	100
10) Methyl Iodide	3.91	142	107511	53.339	ug/l	100
11) Tert butyl alcohol	4.74	59	75219	251.068	ug/l	100
12) 1,1-Dichloroethene	3.70	96	71755	47.368	ug/l	100
13) Acrolein	3.57	56	16321	173.895	ug/l	100
14) Allyl chloride	4.27	41	132489	49.603	ug/l	100
15) Acrylonitrile	4.93	53	231136	262.485	ug/l	100
16) Acetone	3.78	43	165075	229.190	ug/l	100
17) Carbon Disulfide	4.01	76	198695	50.084	ug/l	100
18) Methyl Acetate	4.28	43	102145	48.596	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	282411	53.457	ug/l	100
20) Methylene Chloride	4.50	84	93841	39.514	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	81122	51.171	ug/l	100
22) Diisopropyl ether	5.91	45	322615	53.227	ug/l	100
23) Vinyl Acetate	5.84	43	1054014	257.698	ug/l	100
24) 1,1-Dichloroethane	5.80	63	169650	50.089	ug/l	100
25) 2-Butanone	6.79	43	283695	252.641	ug/l	100
26) 2,2-Dichloropropane	6.78	77	129073	48.457	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	98991	49.818	ug/l	100
28) Bromochloromethane	7.15	49	85411	48.196	ug/l	100
29) Tetrahydrofuran	7.17	42	193630	267.176	ug/l	100
30) Chloroform	7.33	83	170481	49.978	ug/l	100
31) Cyclohexane	7.62	56	162011	51.971	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	138403	49.699	ug/l	100
36) 1,1-Dichloropropene	7.75	75	117936	50.692	ug/l	100
37) Ethyl Acetate	6.88	43	111118	50.846	ug/l	100
38) Carbon Tetrachloride	7.73	117	118827	50.591	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	155858	56.695	ug/l	100
40) Benzene	8.00	78	375828	50.933	ug/l	100
41) Methacrylonitrile	7.12	41	55184	53.131	ug/l	100
42) 1,2-Dichloroethane	8.09	62	125088	50.487	ug/l	100
43) Isopropyl Acetate	8.13	43	185598	51.390	ug/l	100
44) Trichloroethene	8.80	130	91557	49.883	ug/l	100
45) 1,2-Dichloropropane	9.08	63	107547	50.423	ug/l	100
46) Dibromomethane	9.18	93	64204	52.106	ug/l	100
47) Bromodichloromethane	9.37	83	139592	51.725	ug/l	100
48) Methyl methacrylate	9.17	41	90274	52.829	ug/l	100
49) 1,4-Dioxane	9.17	88	37877	1137.147	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	608862	266.718	ug/l	100
52) Toluene	10.13	92	235519	52.911	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	146637	52.542	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	160680	52.484	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	97756	51.362	ug/l	100
56) Ethyl methacrylate	10.40	69	141914	55.217	ug/l	100
57) 1,3-Dichloropropane	10.68	76	161262	51.025	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	163241	265.007	ug/l	100
59) 2-Hexanone	10.72	43	427182	268.279	ug/l	100
60) Dibromochloromethane	10.88	129	107406	50.993	ug/l	100
61) 1,2-Dibromoethane	10.98	107	95762	52.363	ug/l	100
64) Tetrachloroethene	10.60	164	83716	50.178	ug/l	100
65) Chlorobenzene	11.41	112	257485	50.514	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	99129	49.998	ug/l	100
67) Ethyl Benzene	11.49	91	457263	53.090	ug/l	100
68) m/p-Xylenes	11.60	106	350927	109.624	ug/l	100
69) o-Xylene	11.92	106	167706	54.556	ug/l	100
70) Styrene	11.94	104	296992	56.296	ug/l	100
71) Bromoform	12.10	173	80436	50.969	ug/l #	100
73) Isopropylbenzene	12.23	105	452417	52.116	ug/l	100
74) N-amyl acetate	12.05	43	170039	54.691	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	145674	47.033	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	124025m	49.676	ug/l	
77) Bromobenzene	12.50	156	118322	49.559	ug/l	100
78) n-propylbenzene	12.57	91	534878	54.057	ug/l	100
79) 2-Chlorotoluene	12.65	91	316560	50.864	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	390945	54.479	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	47548	52.998	ug/l	100
82) 4-Chlorotoluene	12.75	91	328177	51.785	ug/l	100
83) tert-Butylbenzene	12.97	119	329990	53.278	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	383525	54.860	ug/l	100
85) sec-Butylbenzene	13.15	105	449340	53.680	ug/l	100
86) p-Isopropyltoluene	13.26	119	398416	54.625	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	210169	51.222	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	210393	50.520	ug/l	100
89) n-Butylbenzene	13.59	91	327677	53.236	ug/l	100
90) Hexachloroethane	13.85	117	76521	49.361	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	203037	51.228	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	23388	53.496	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	99259	57.318	ug/l	100
94) Hexachlorobutadiene	14.99	225	72180	49.284	ug/l	100
95) Naphthalene	15.11	128	214602	55.557	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	97783	56.224	ug/l	100

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

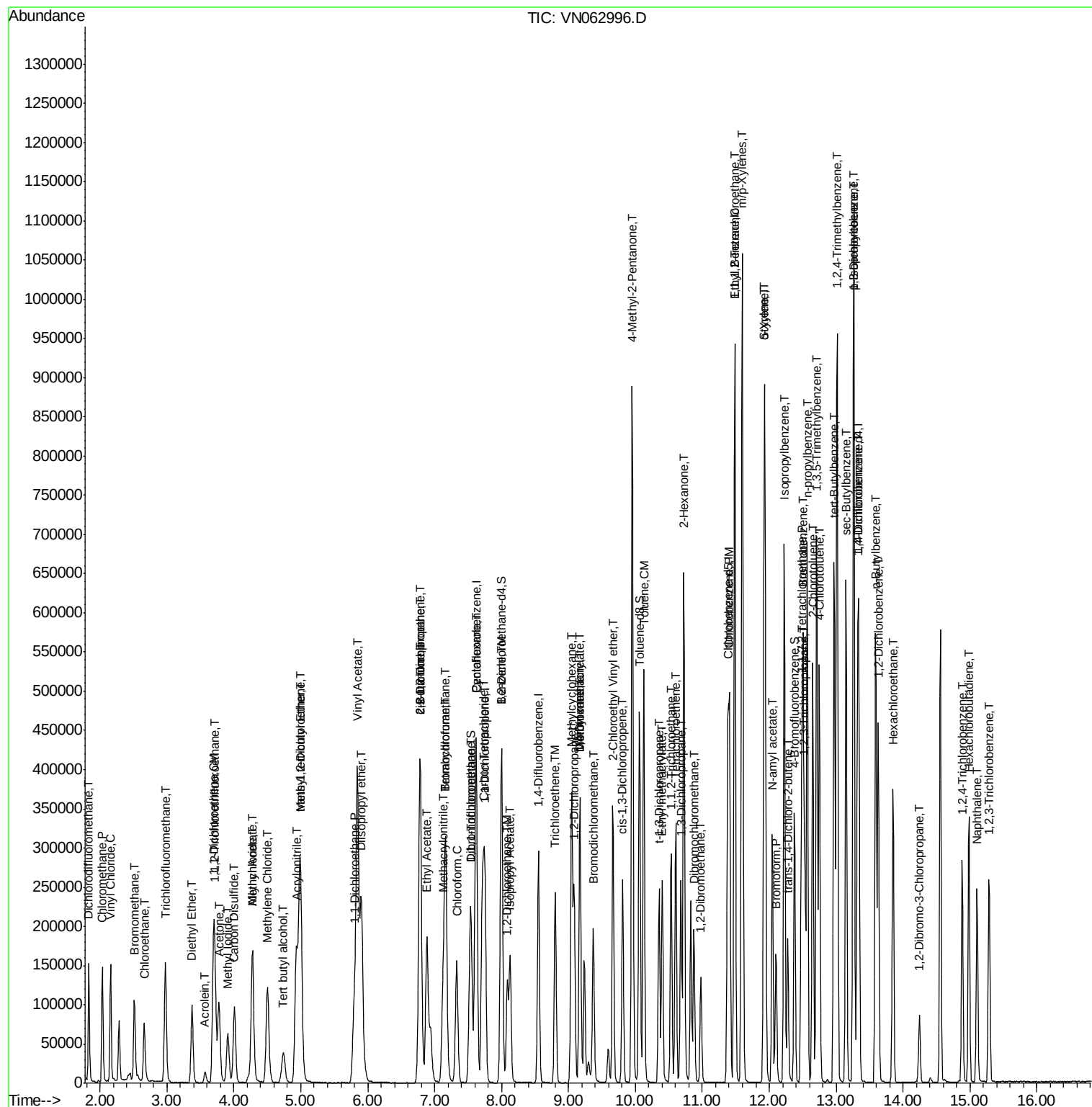
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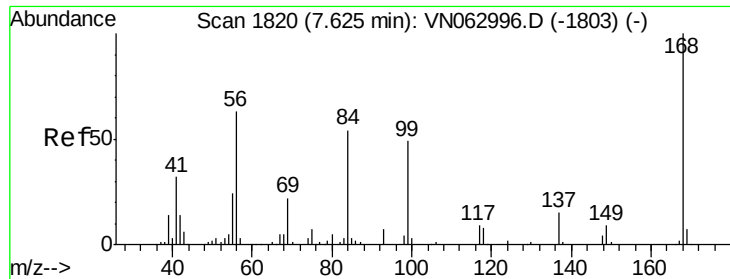
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 178462

Ion Ratio Lower Upper

168 100

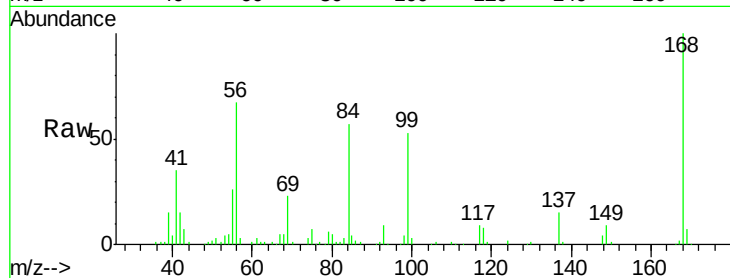
99 52.5 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

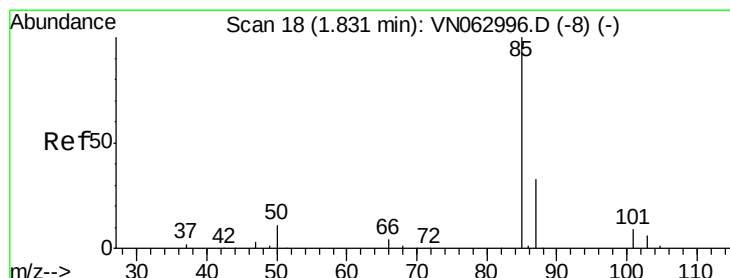
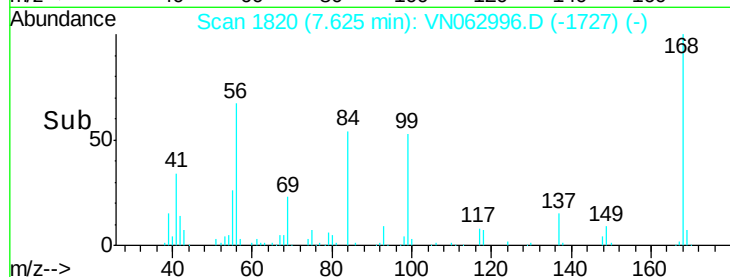
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 56.293 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062996.D

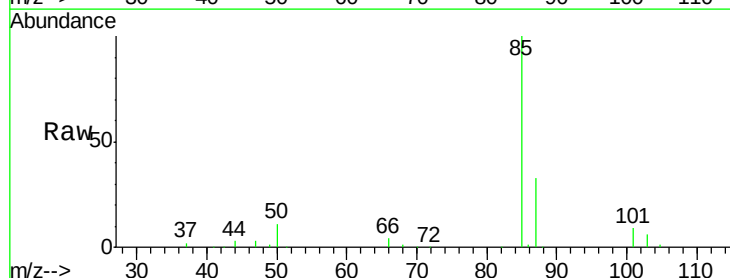
Acq: 18 Aug 2020 19:53

Tgt Ion: 85 Resp: 118952

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

60000

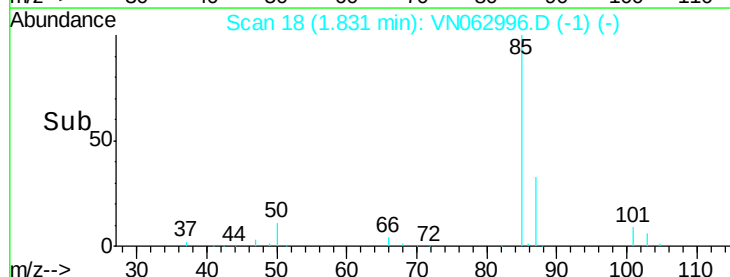
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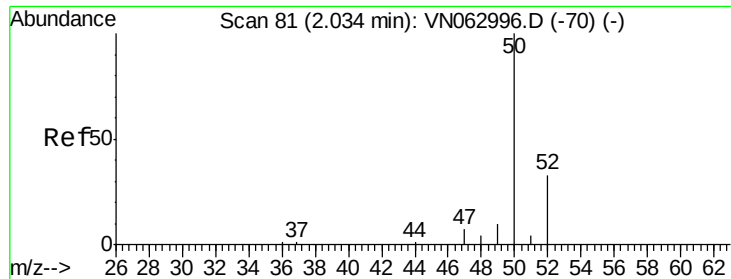
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 53.820 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 131695

Ion Ratio Lower Upper

50 100

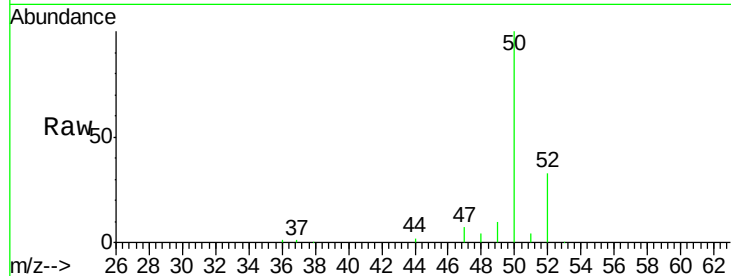
52 32.5 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

100000

80000

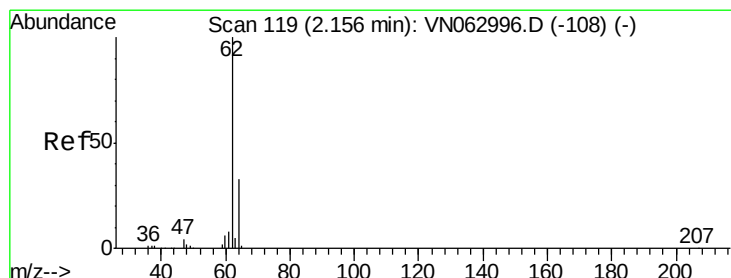
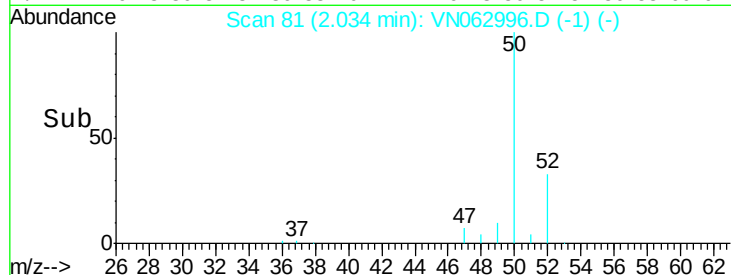
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 55.679 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062996.D

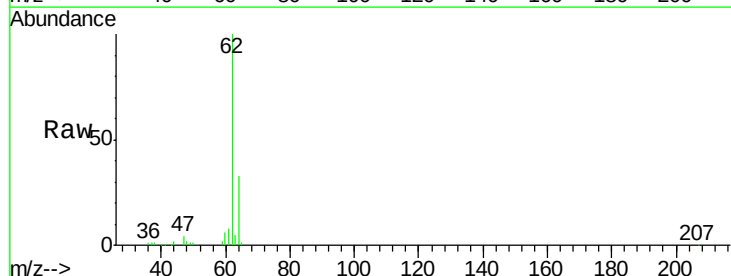
Acq: 18 Aug 2020 19:53

Tgt Ion: 62 Resp: 131760

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

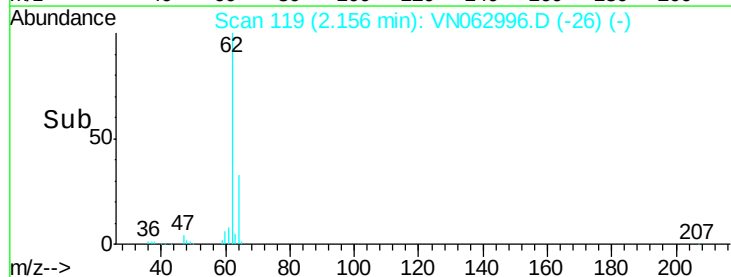
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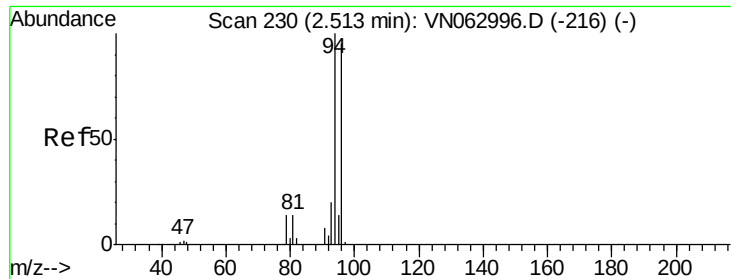
40000

20000

0

Time-->





#5

Bromomethane

Concen: 52.444 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 73662

Ion Ratio Lower Upper

94 100

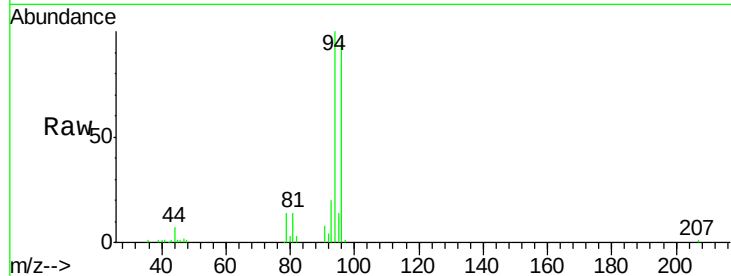
96 94.8 75.8 113.8

Manual Integrations

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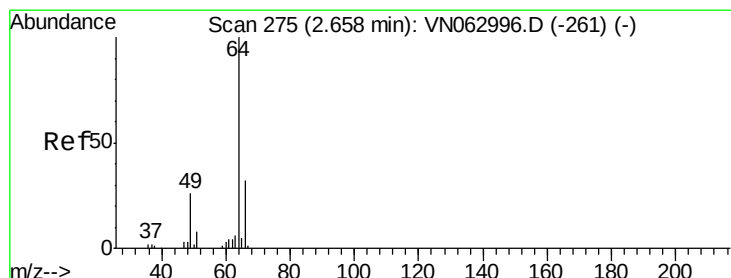
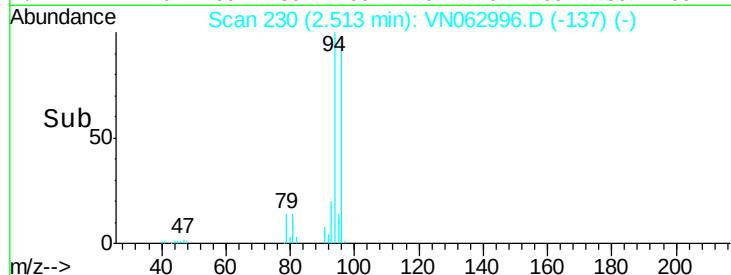
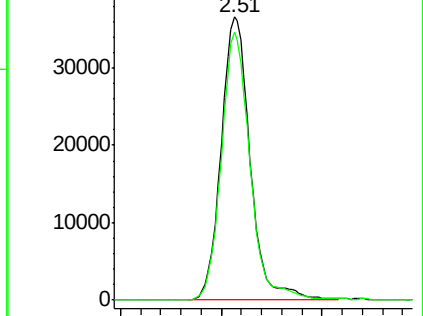
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.604 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.00 min

Lab File: VN062996.D

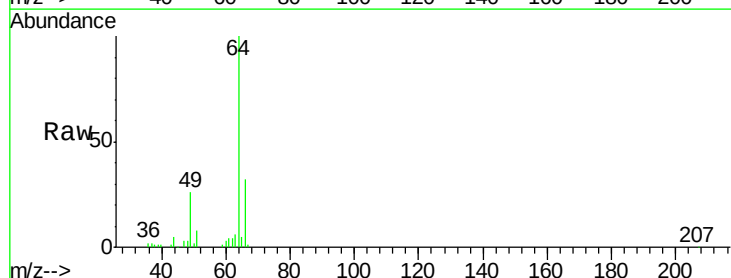
Acq: 18 Aug 2020 19:53

Tgt Ion: 64 Resp: 74893

Ion Ratio Lower Upper

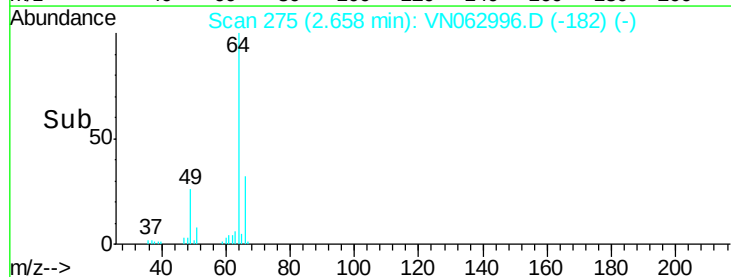
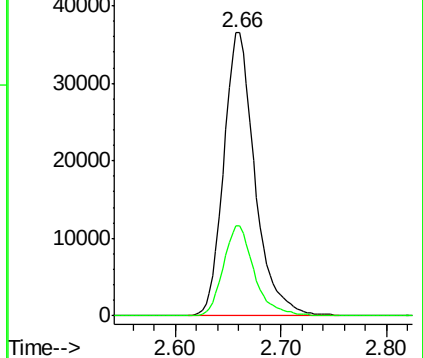
64 100

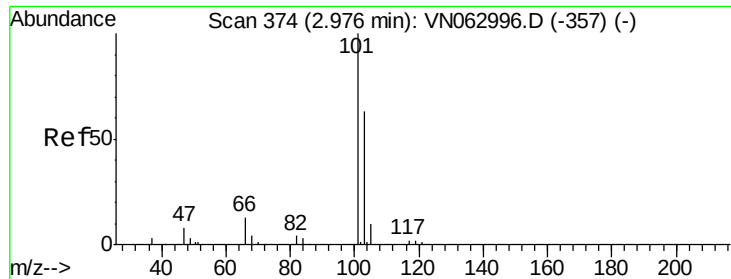
66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

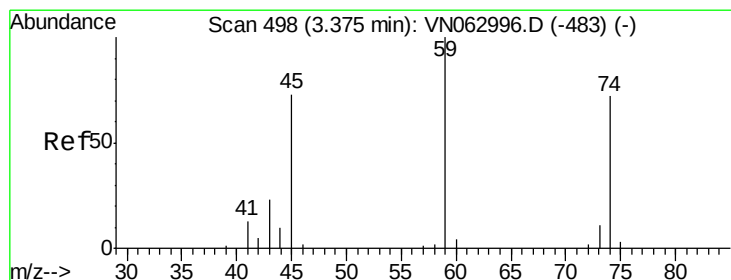
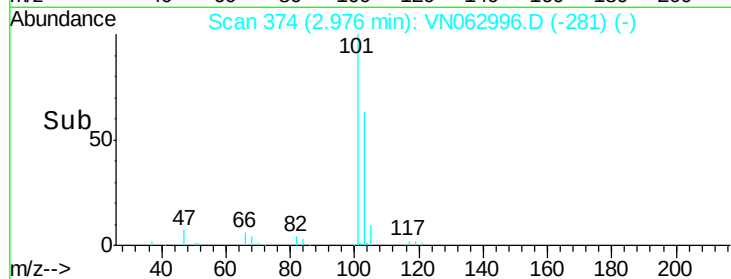
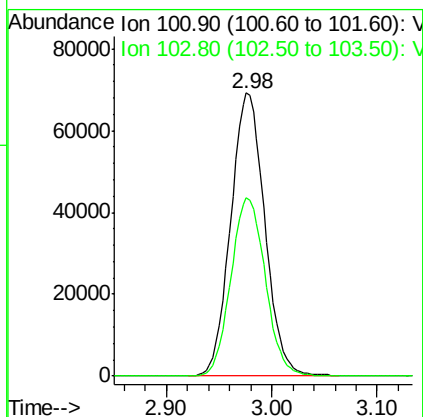
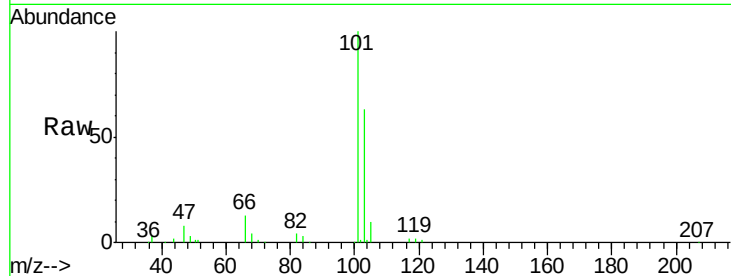
Trichlorofluoromethane
Concen: 52.603 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.00 min
Lab File: VN062996.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	155236		
103	63.1	50.5	75.7	

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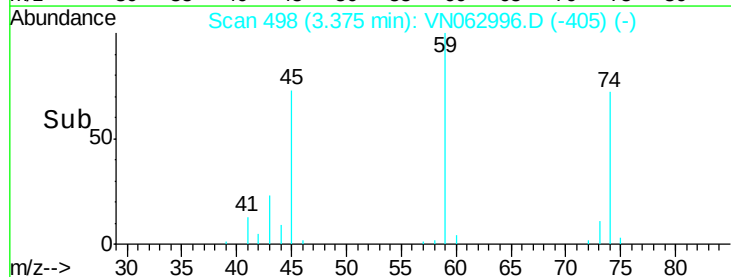
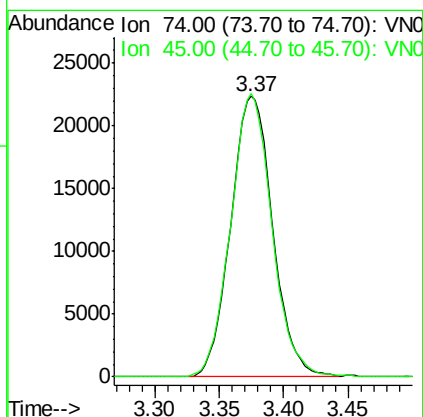
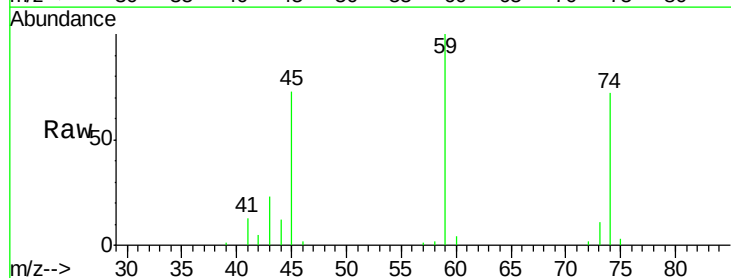
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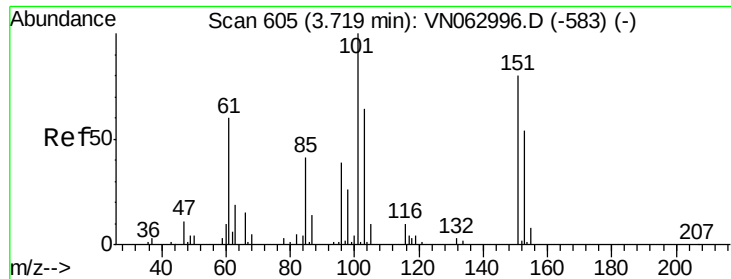


#8

Diethyl Ether
Concen: 48.302 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	50427		
45	99.8	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.239 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062996.D

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Instrument :

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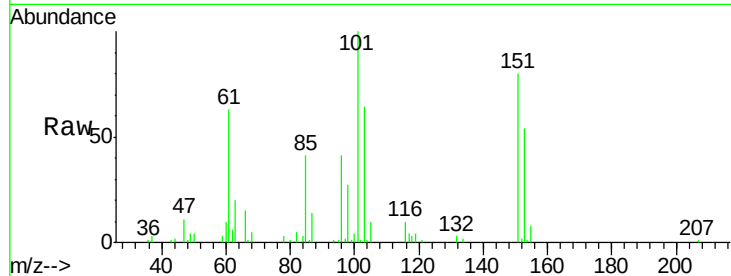
ClientSampleId :

VSTDICCC050

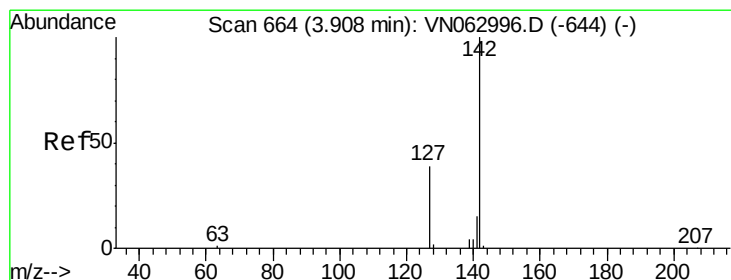
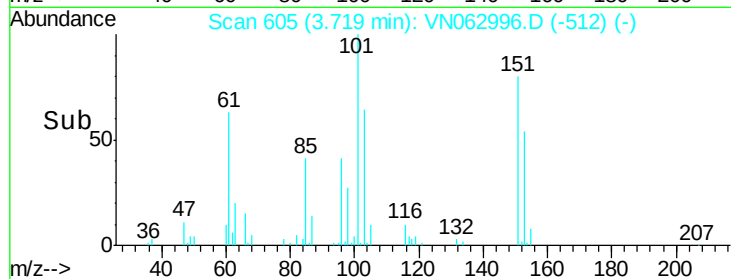
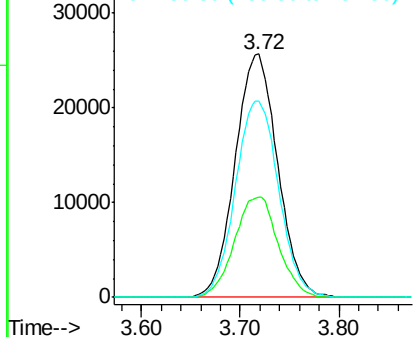
Tot Ion:	101	Resp:	76709
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.0	51.0
151	82.3	65.8	98.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.339 ug/l

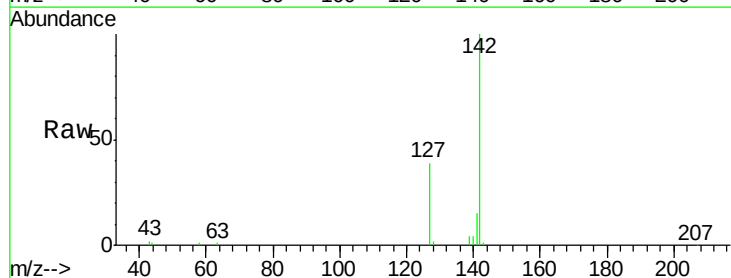
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

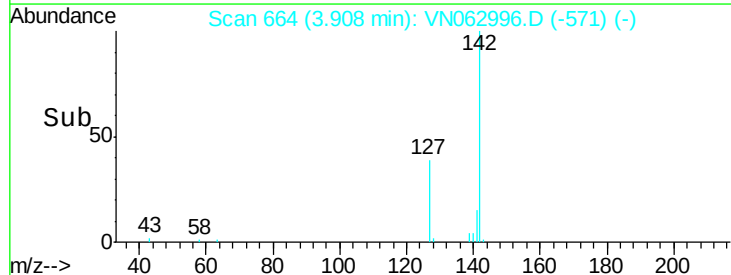
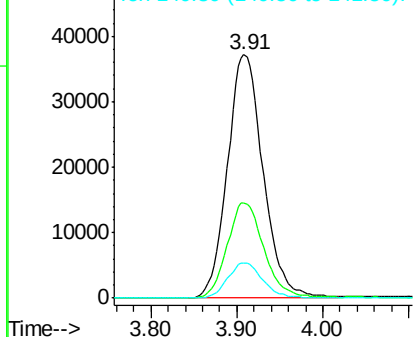
Lab File: VN062996.D

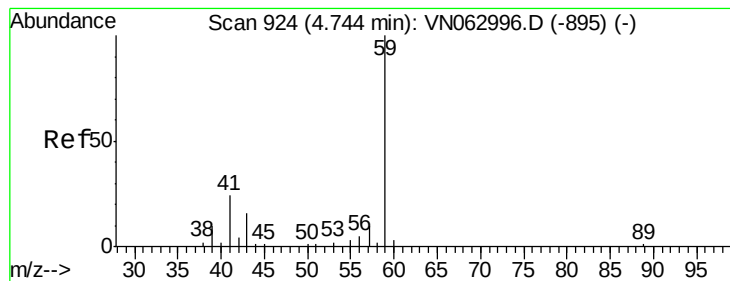
Acq: 18 Aug 2020 19:53

Tgt Ion:	142	Resp:	107511
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.2	48.4
141	14.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

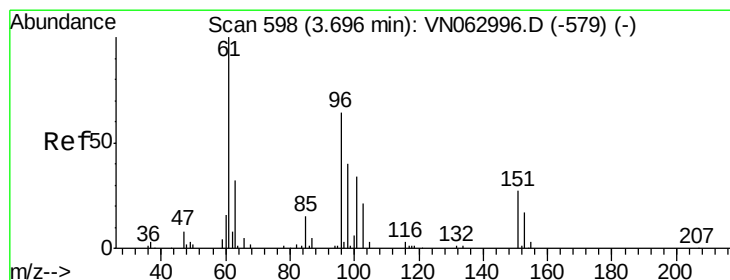
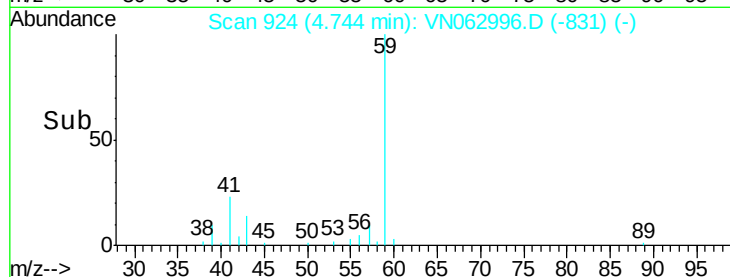
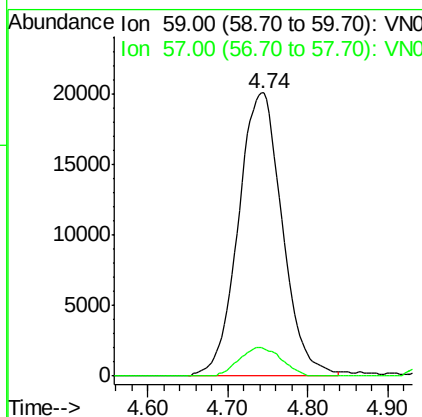
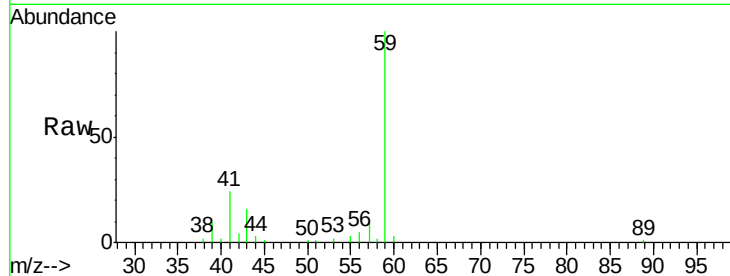
Tert butyl alcohol
 Concen: 251.068 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.6

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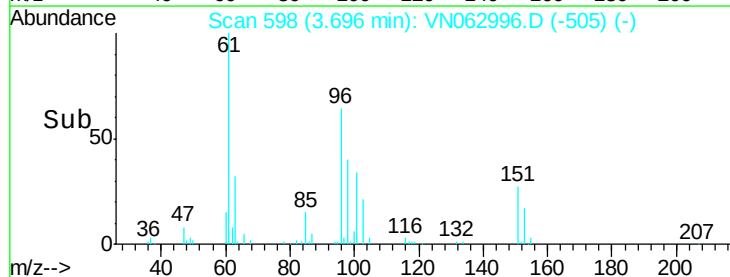
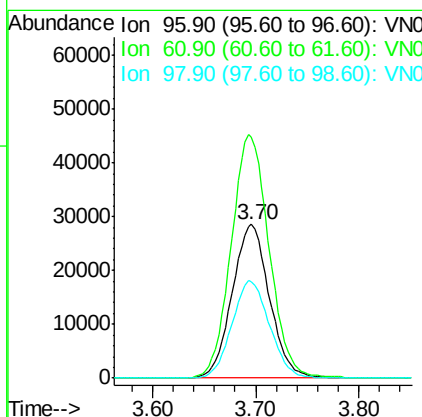
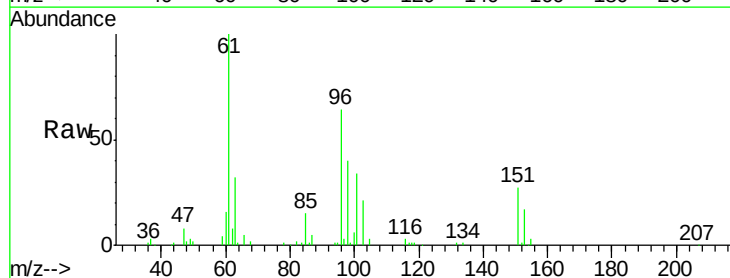
MMDadoda
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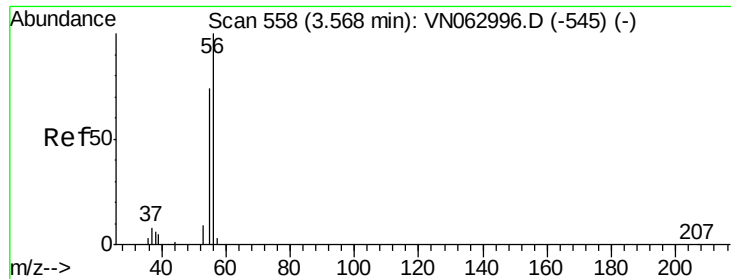


#12

1,1-Dichloroethene
 Concen: 47.368 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	125.5	188.3
98	63.0	50.4	75.6





#13

Acrolein

Concen: 173.895 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 16321

Ion Ratio Lower Upper

56 100

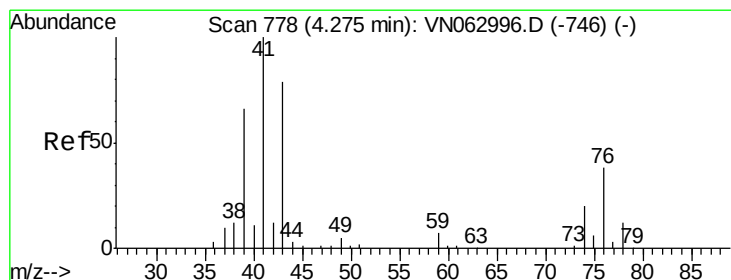
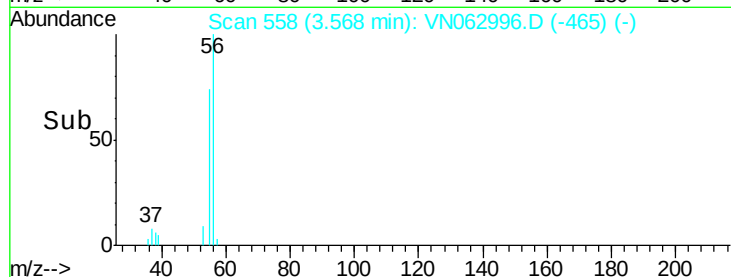
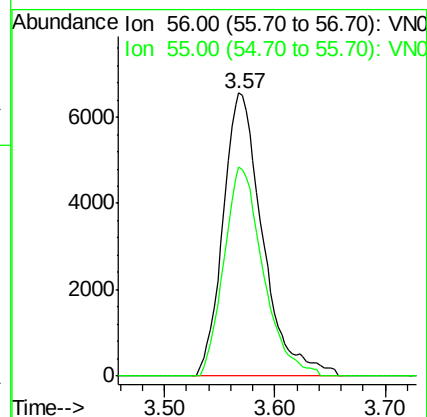
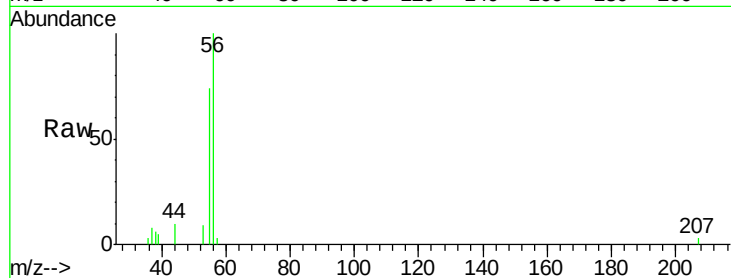
55 73.0 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 49.603 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

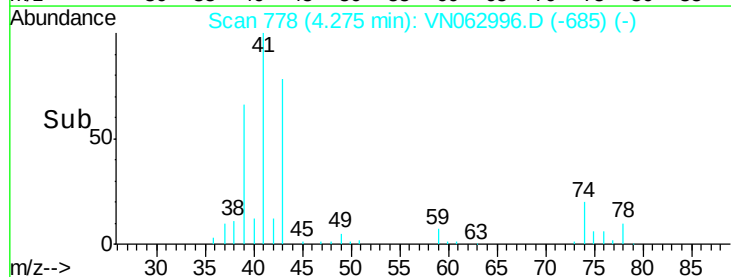
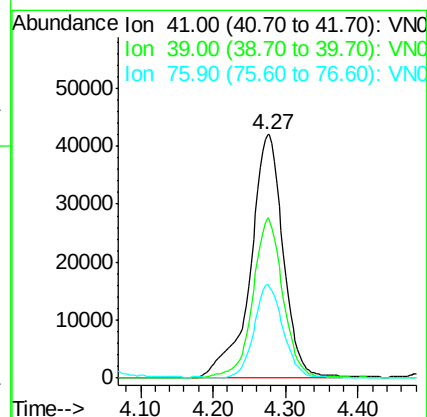
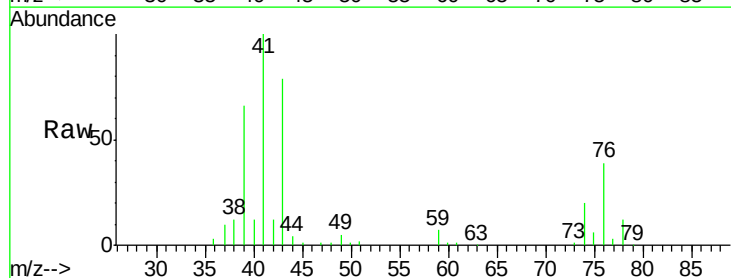
Tgt Ion: 41 Resp: 132489

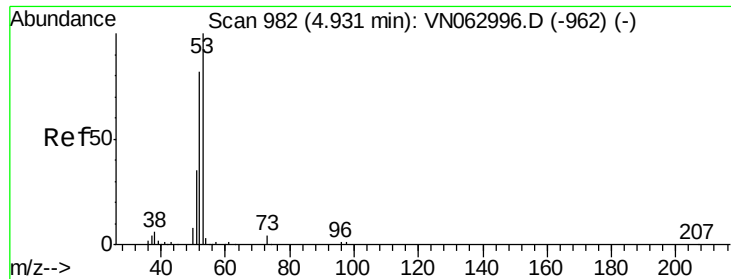
Ion Ratio Lower Upper

41 100

39 59.9 47.9 71.9

76 33.8 27.0 40.6





#15

Acrylonitrile

Concen: 262.485 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

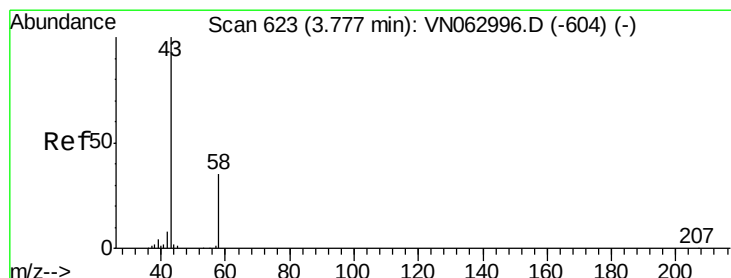
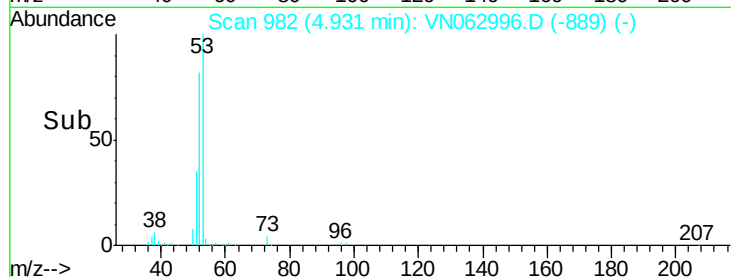
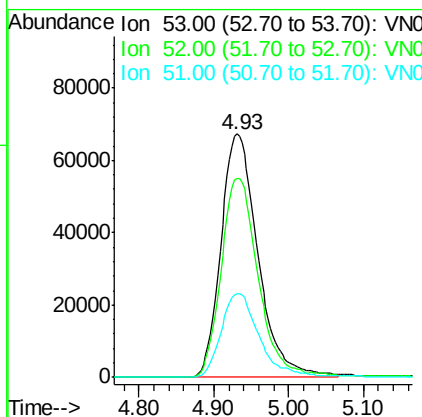
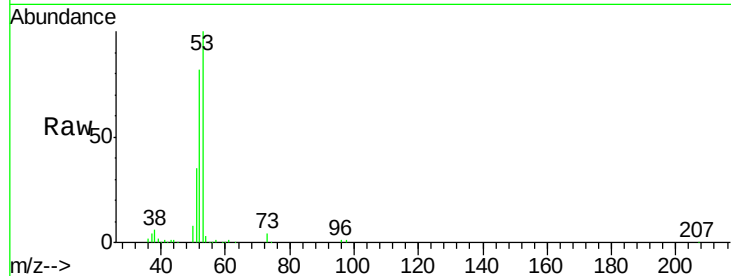
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	231136
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.6	98.4
51	35.3	28.2	42.4

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#16

Acetone

Concen: 229.190 ug/l

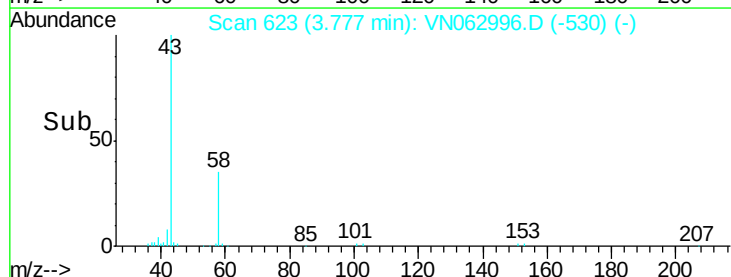
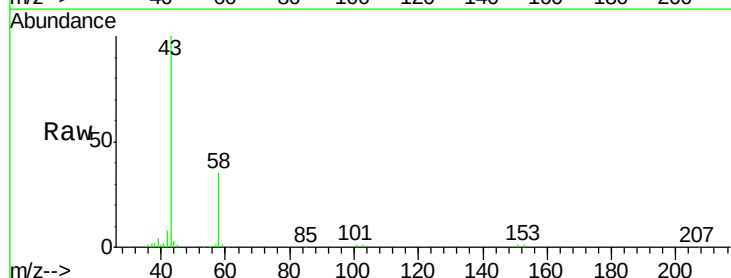
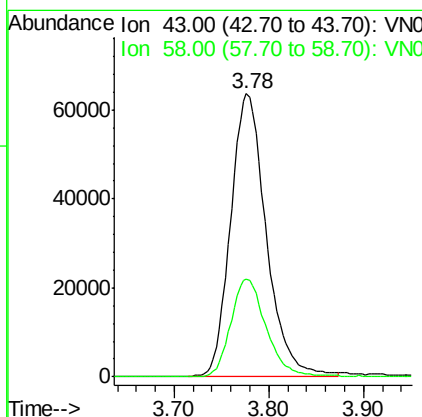
RT: 3.78 min Scan# 623

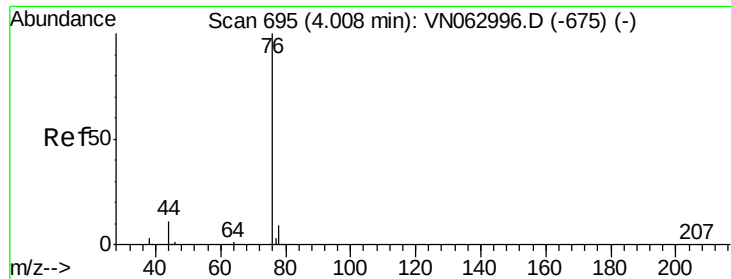
Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Tgt Ion:	43	Resp:	165075
Ion Ratio		Lower	Upper
43	100		
58	34.7	27.8	41.6





#17

Carbon Disulfide

Concen: 50.084 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 198695

Ion Ratio Lower Upper

76 100

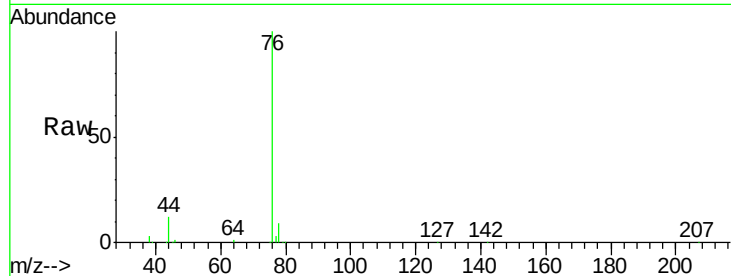
78 8.6 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

80000

60000

40000

20000

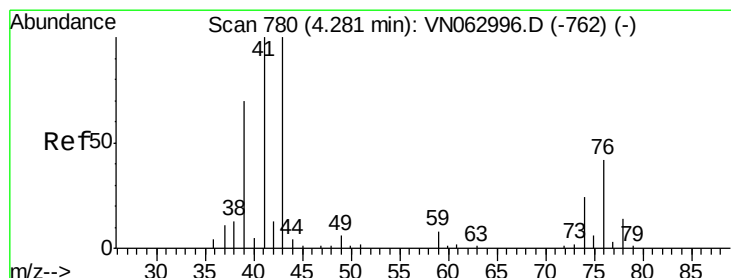
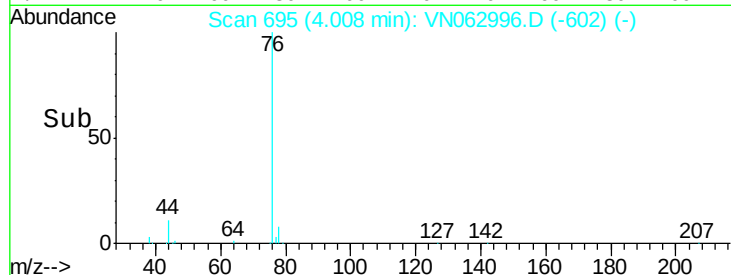
0

Time-->

3.90

4.01

4.10



#18

Methyl Acetate

Concen: 48.596 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062996.D

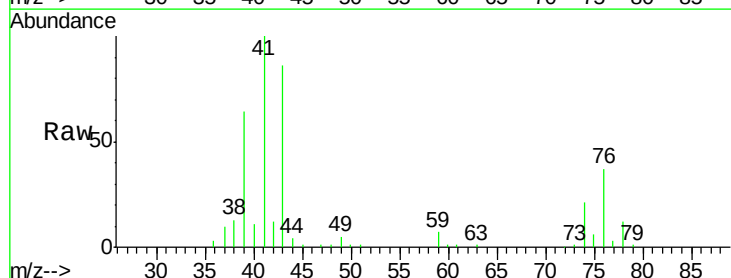
Acq: 18 Aug 2020 19:53

Tgt Ion: 43 Resp: 102145

Ion Ratio Lower Upper

43 100

74 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

30000

20000

10000

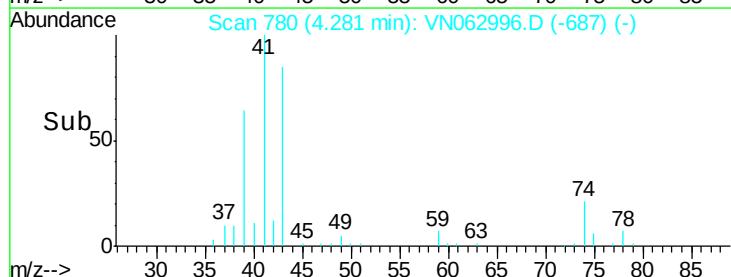
0

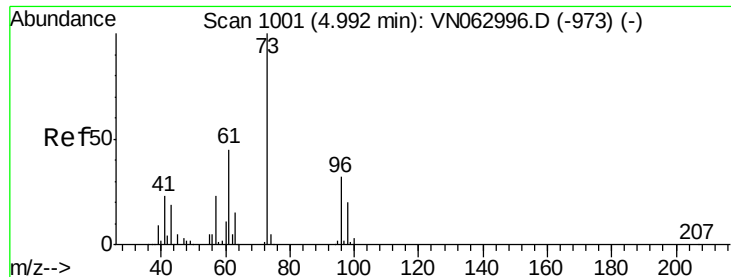
Time-->

4.20

4.28

4.40





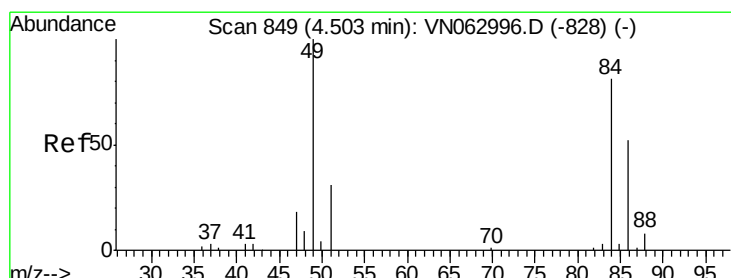
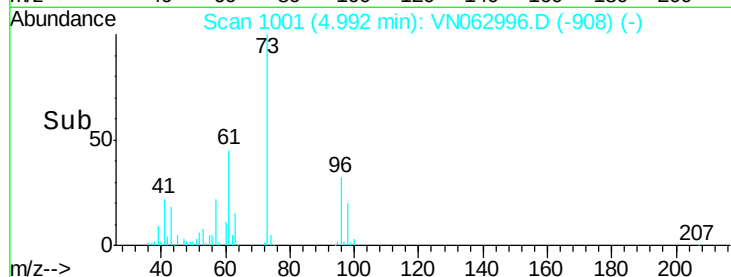
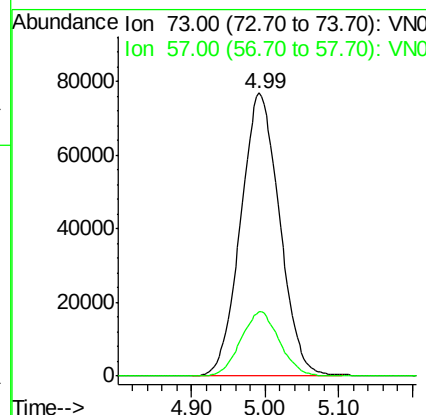
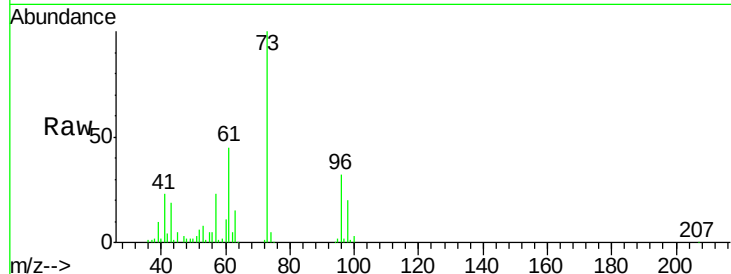
#19
Methyl tert-butyl Ether
Concen: 53.457 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.1	27.1

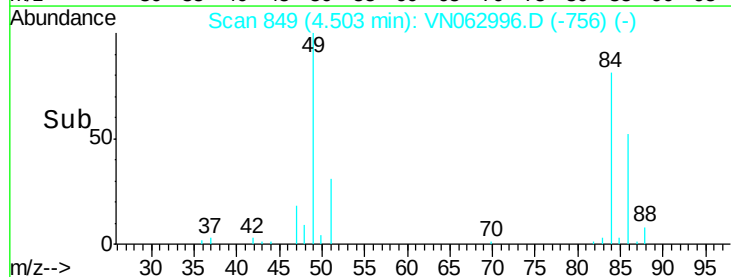
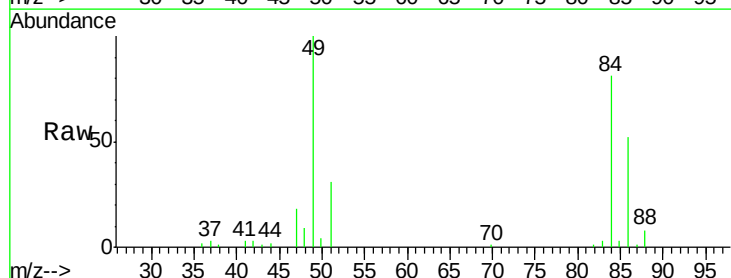
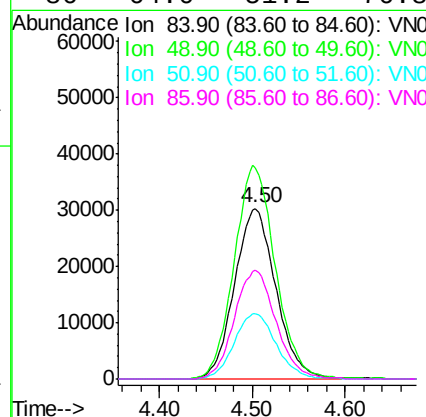
Manual Integrations
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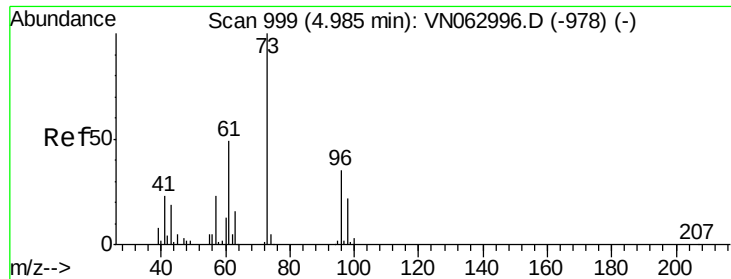
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#20
Methylene Chloride
Concen: 39.514 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	98.7	148.1
51	38.5	30.8	46.2
86	64.0	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 51.171 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

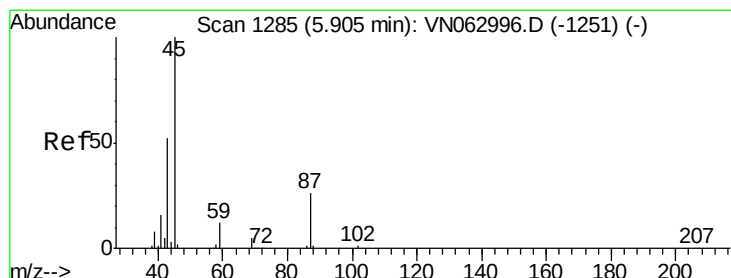
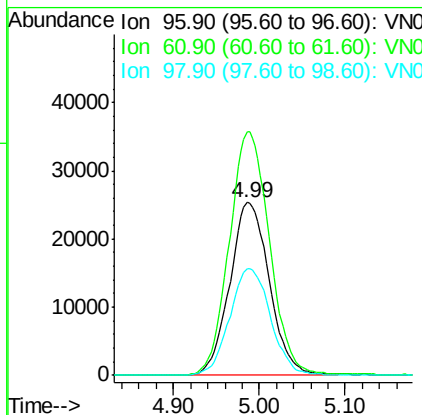
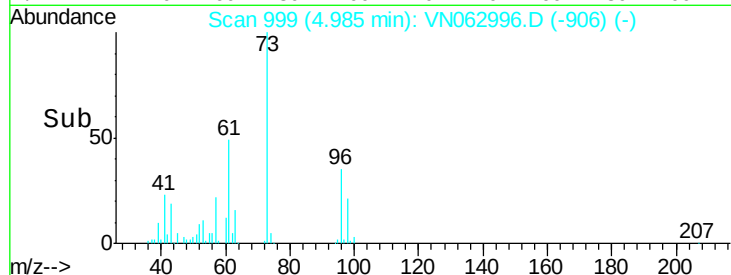
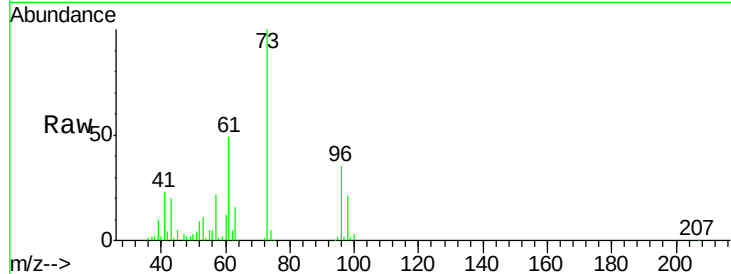
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	81122
Ion	Ratio	Lower	Upper
96	100		
61	140.6	112.5	168.7
98	61.7	49.4	74.0

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#22

Diisopropyl ether

Concen: 53.227 ug/l

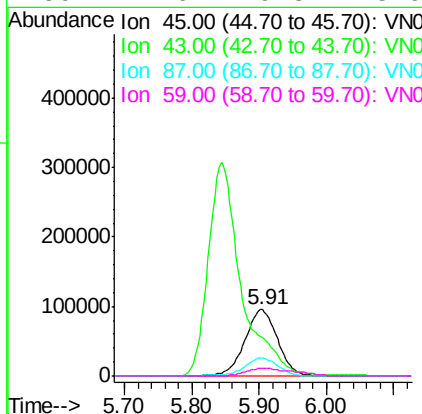
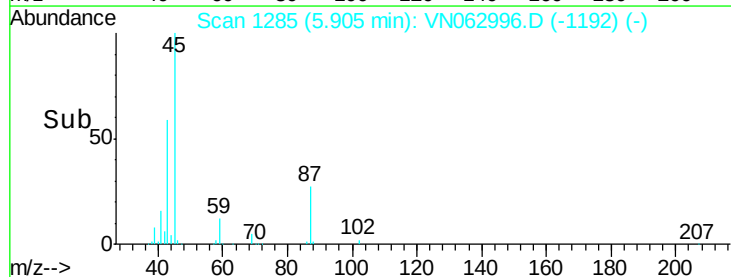
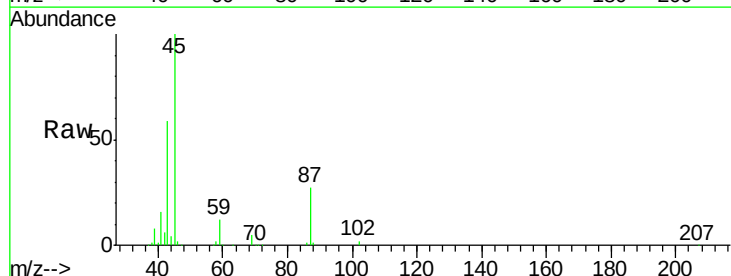
RT: 5.91 min Scan# 1285

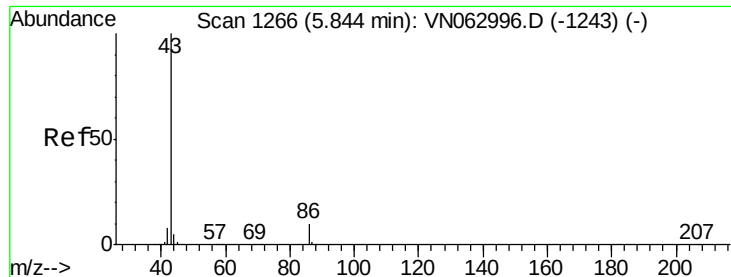
Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Tgt Ion:	45	Resp:	322615
Ion	Ratio	Lower	Upper
45	100		
43	57.1	45.7	68.5
87	27.2	21.8	32.6
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 257.698 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1054014

Ion Ratio Lower Upper

43 100

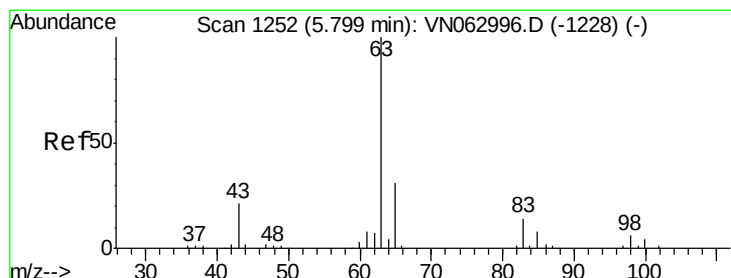
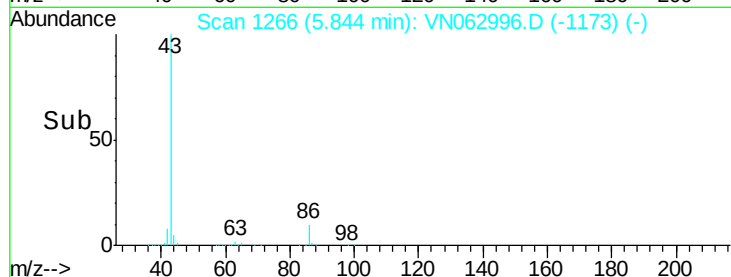
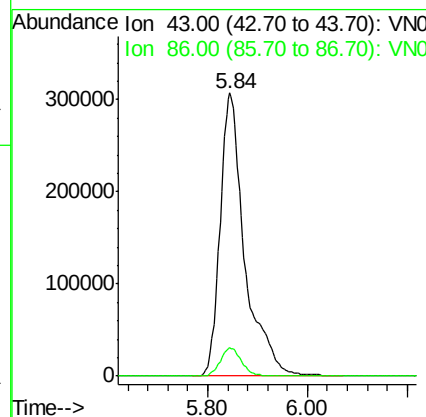
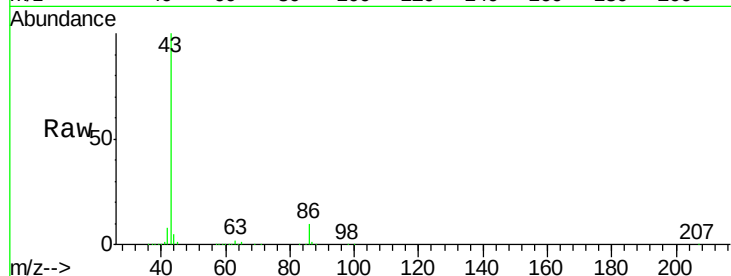
86 10.0 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.089 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

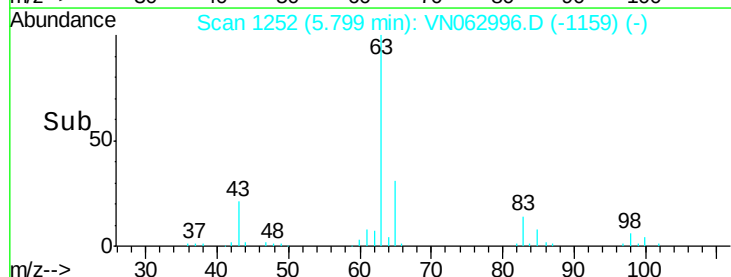
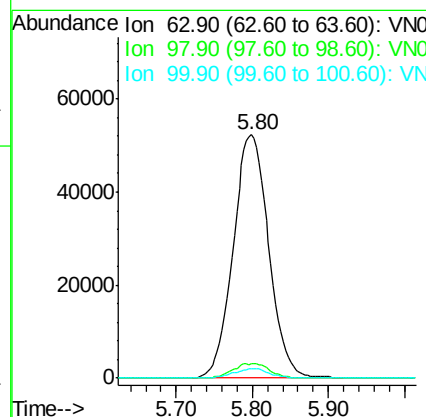
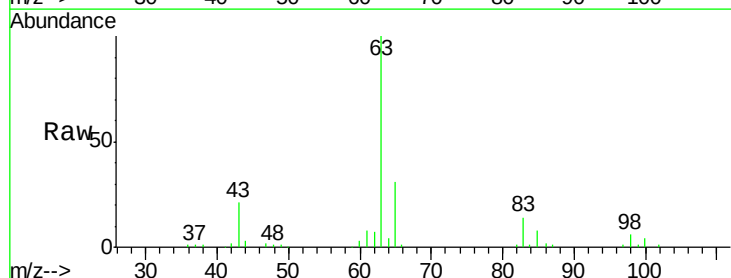
Tgt Ion: 63 Resp: 169650

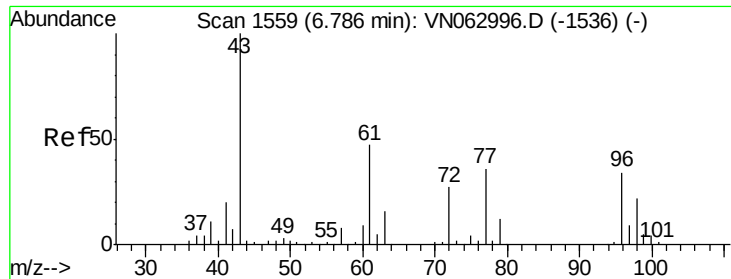
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 252.641 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 283695

Ion Ratio Lower Upper

43 100

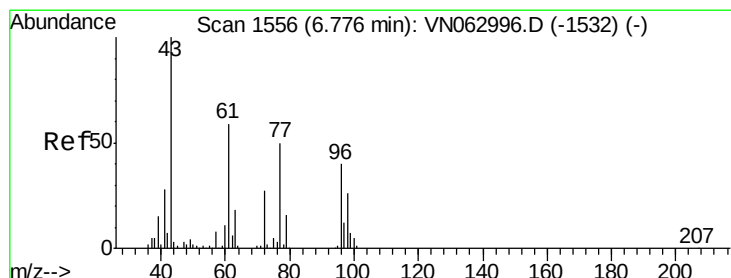
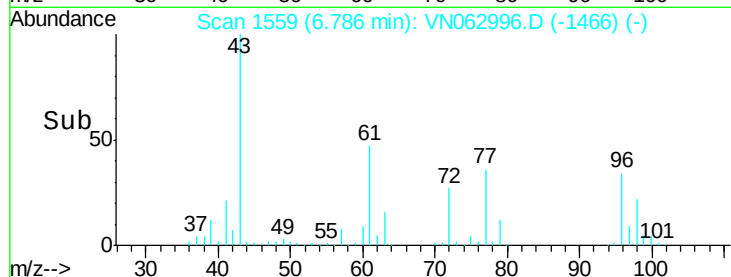
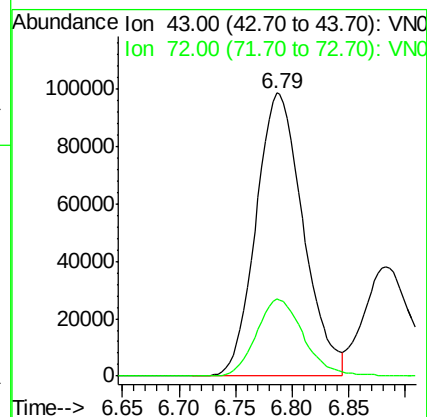
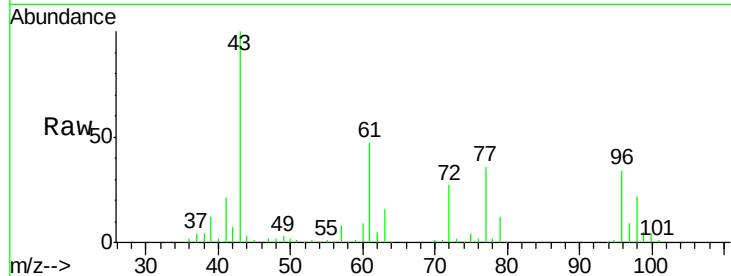
72 27.2 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.457 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062996.D

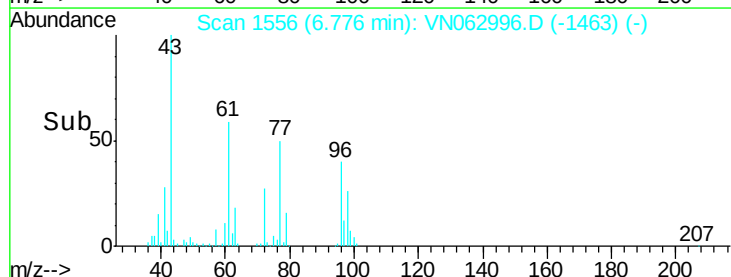
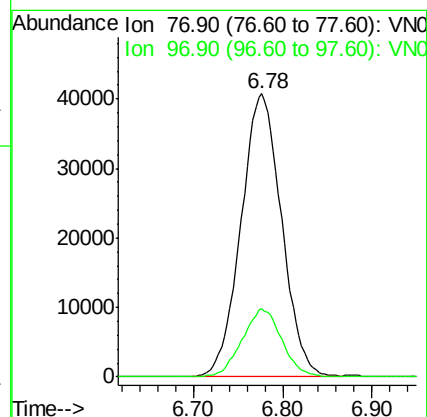
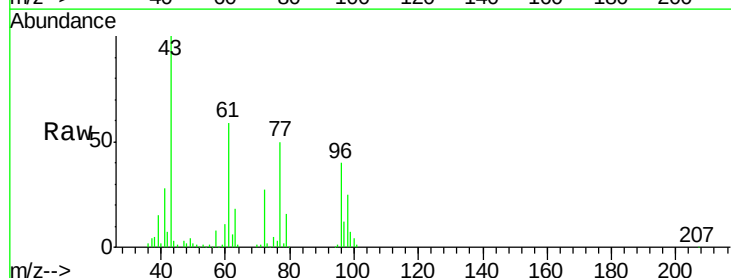
Acq: 18 Aug 2020 19:53

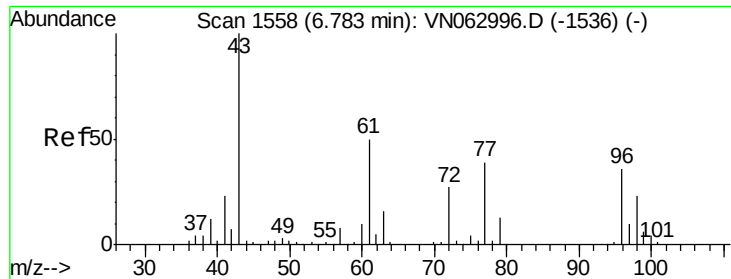
Tgt Ion: 77 Resp: 129073

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





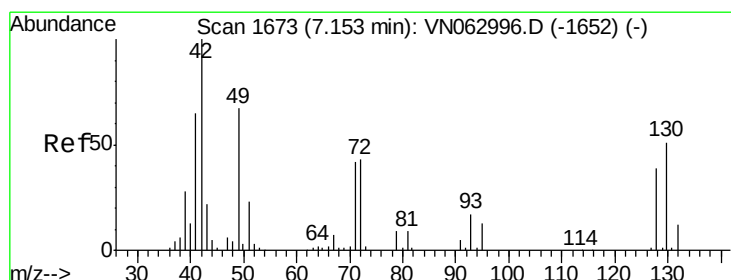
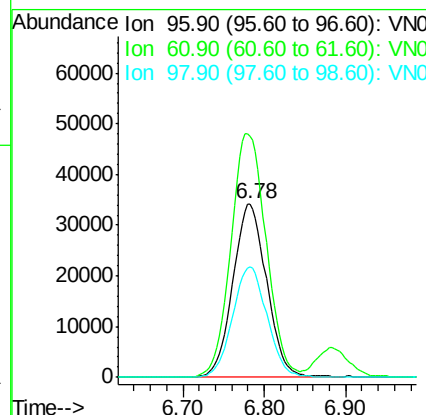
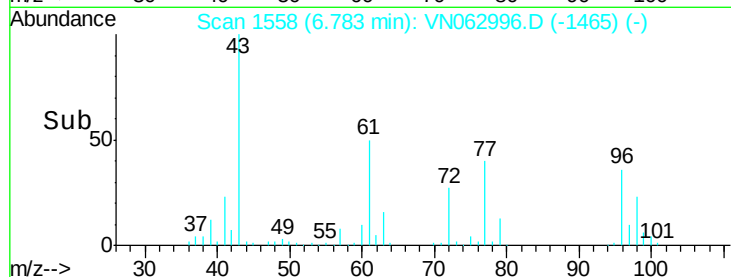
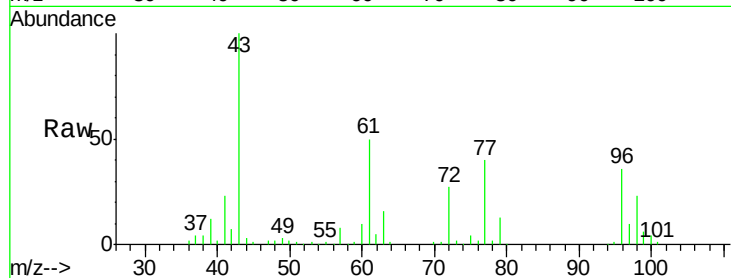
#27
 cis-1,2-Dichloroethene
 Concen: 49.818 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.4	0.0	292.8	
98	65.3	0.0	130.6	

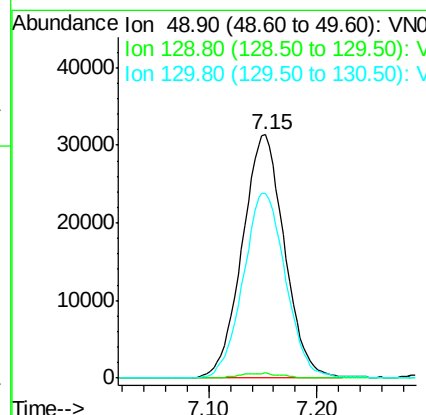
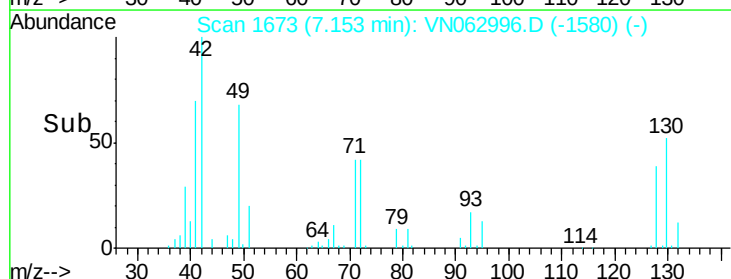
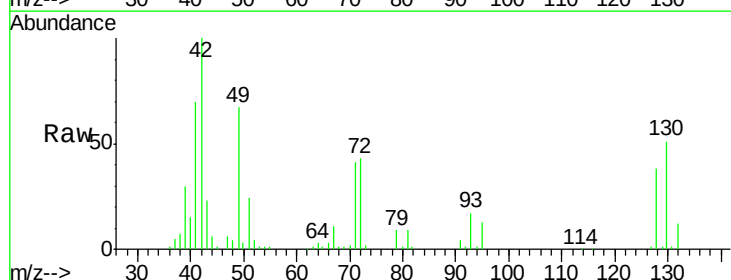
Manual Integrations
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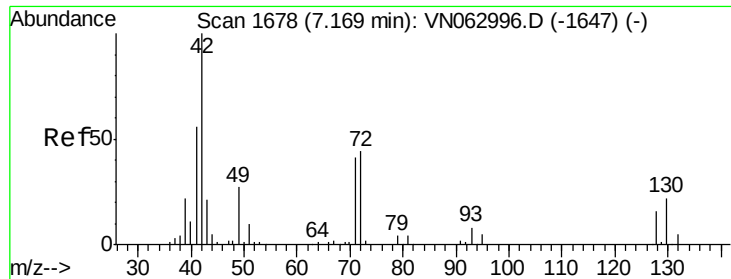
MMDadoda
 8/19/2020 5:46:13 PM



#28
 Bromochloromethane
 Concen: 48.196 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	76.4	61.1	91.7	





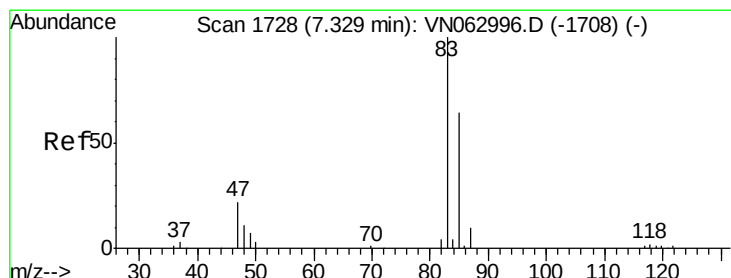
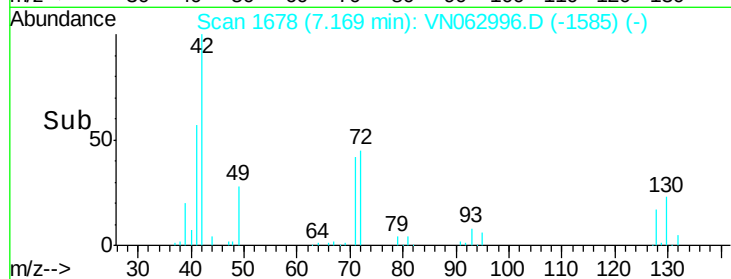
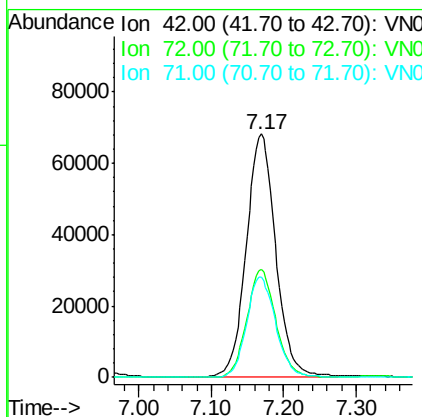
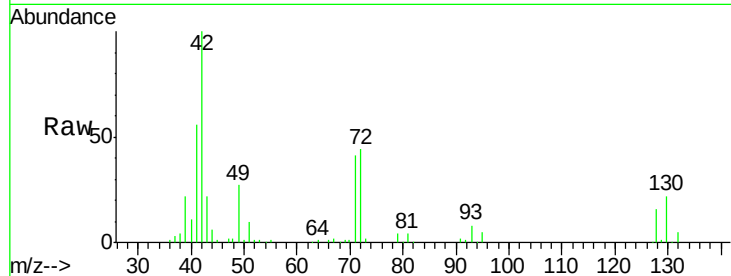
#29
Tetrahydrofuran
Concen: 267.176 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.4	32.3	48.5

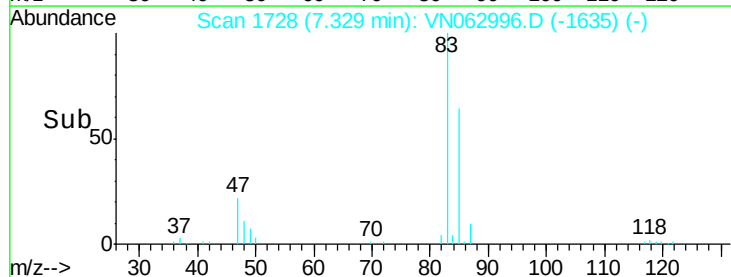
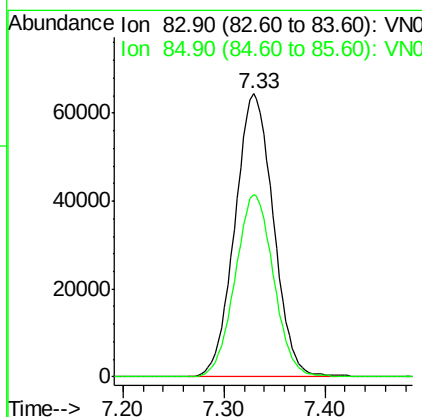
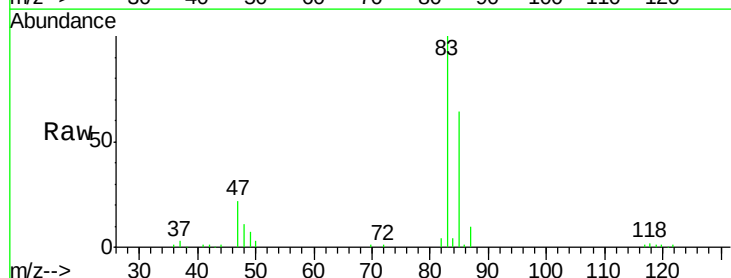
Manual Integrations
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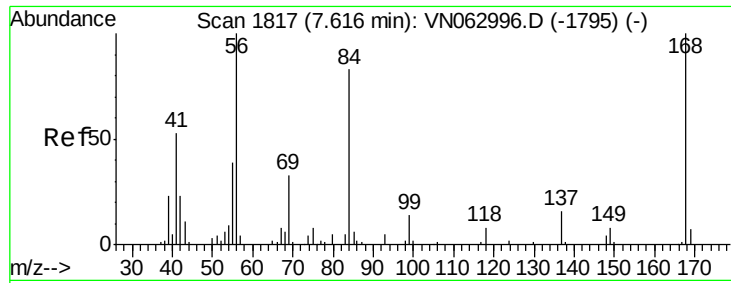
MMDadoda
8/19/2020 5:46:13 PM



#30
Chloroform
Concen: 49.978 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





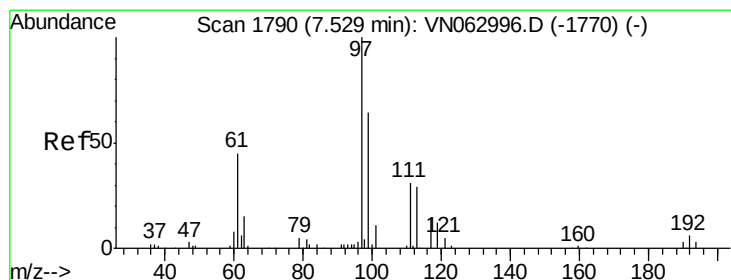
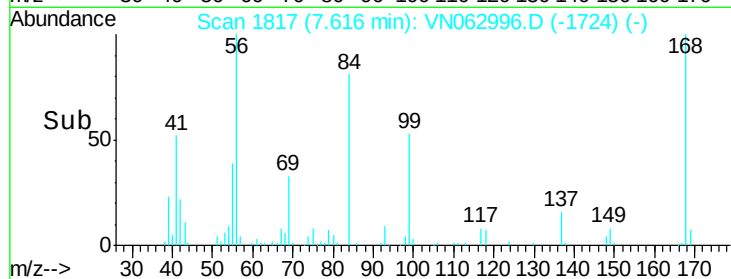
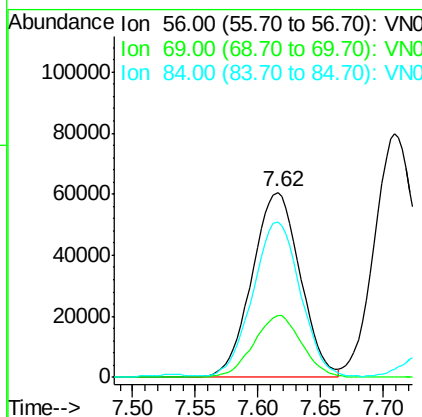
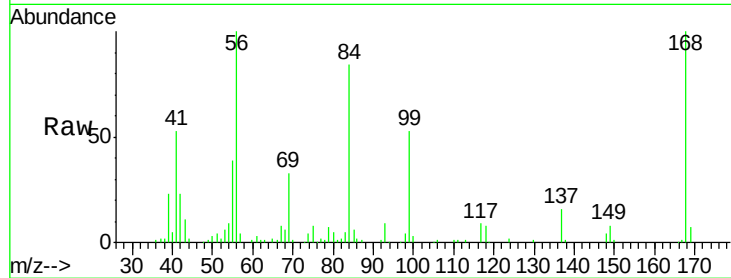
#31
Cyclohexane
Concen: 51.971 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	83.0	66.4	99.6

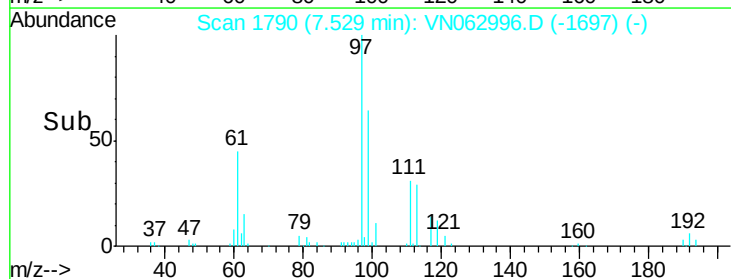
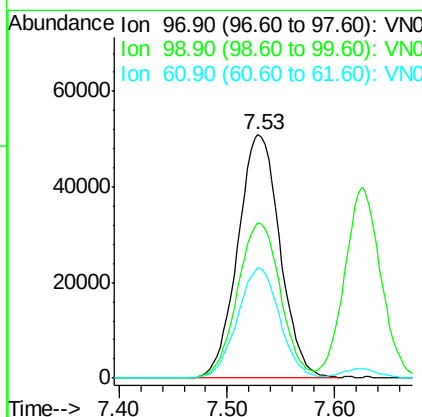
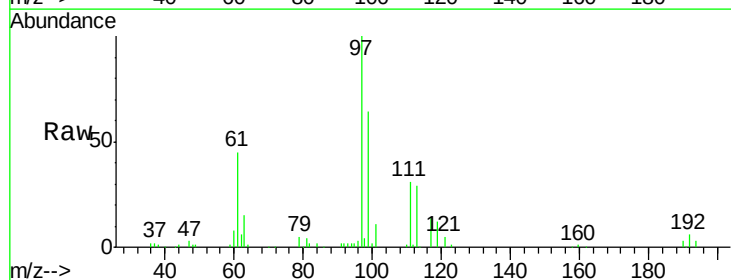
Manual Integrations
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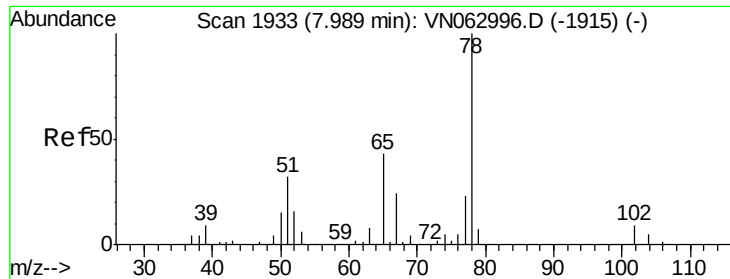
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.699 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	45.3	36.2	54.4





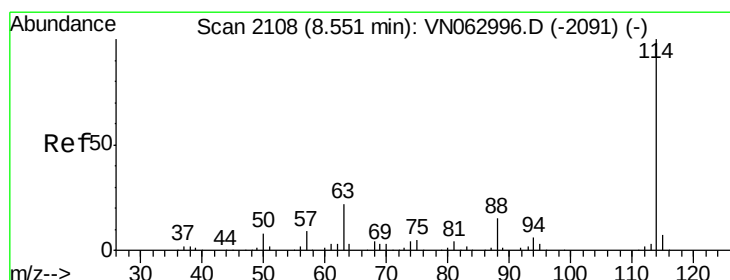
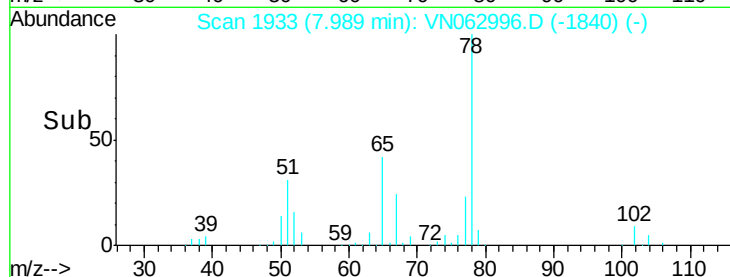
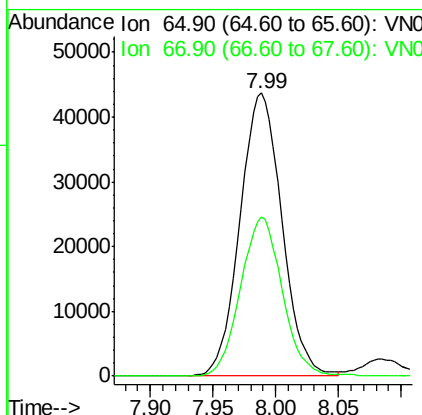
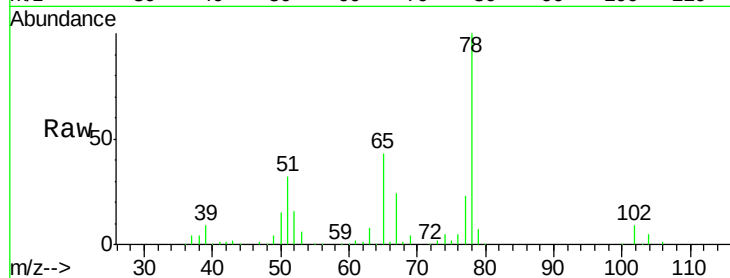
#33
 1,2-Dichloroethane-d4
 Concen: 48.068 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101670		
67	56.0	0.0	112.0	

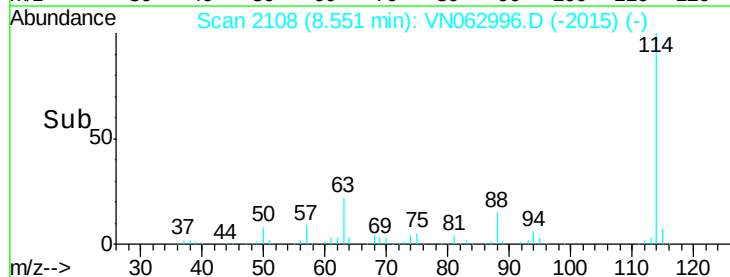
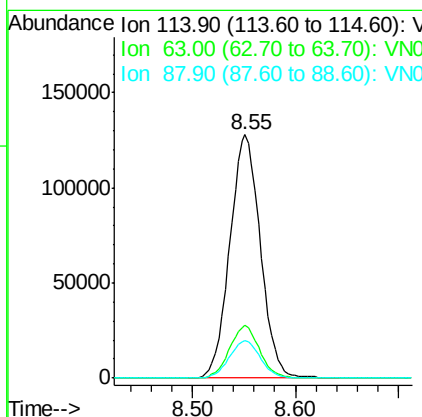
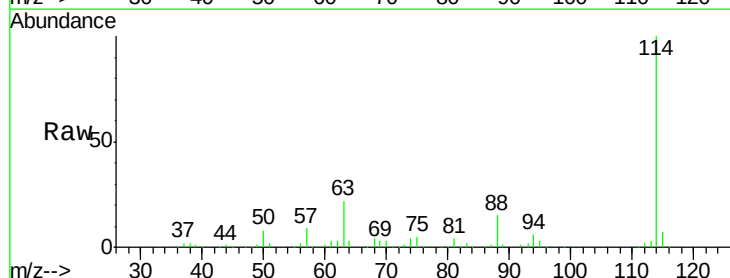
Manual Integrations
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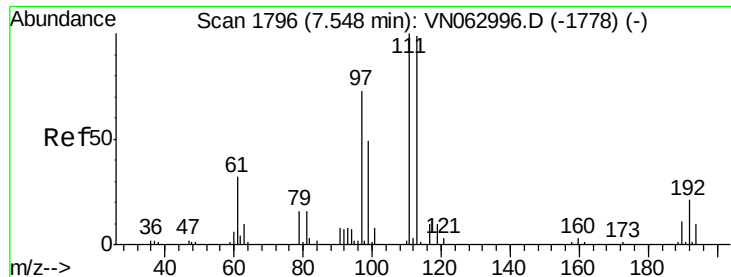
MMDadoda
 8/19/2020 5:46:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	263999		
63	21.6	0.0	43.2	
88	15.3	0.0	30.6	





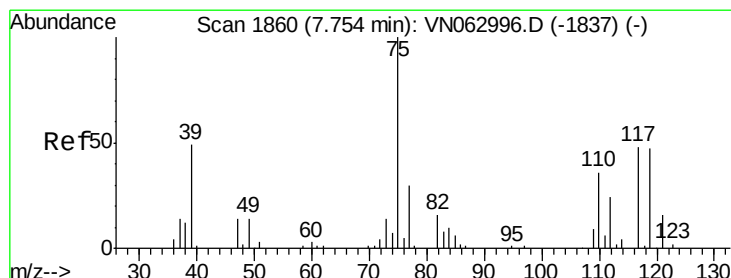
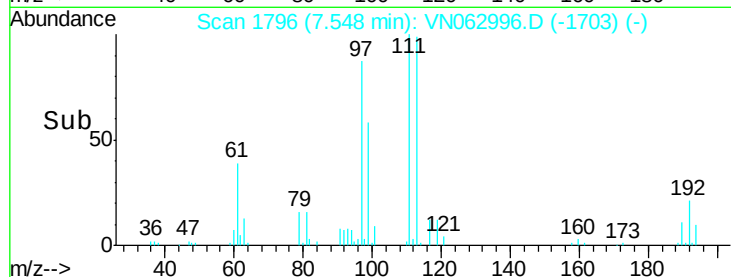
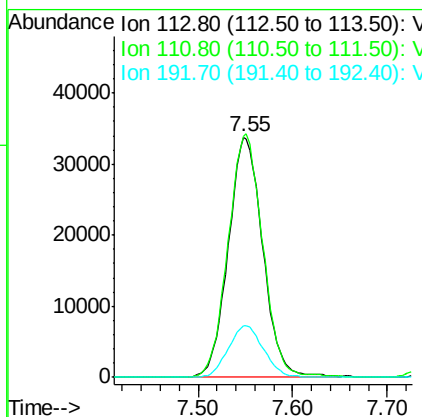
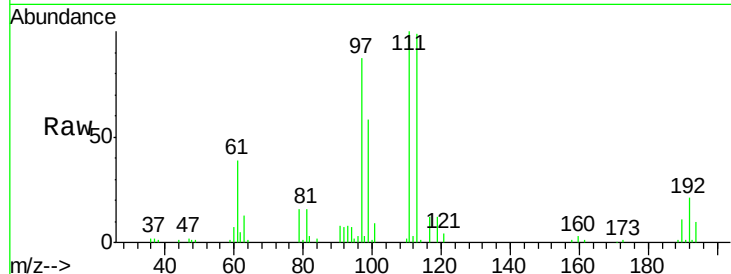
#35
 Dibromofluoromethane
 Concen: 49.613 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.7	122.5
192	21.9	17.5	26.3

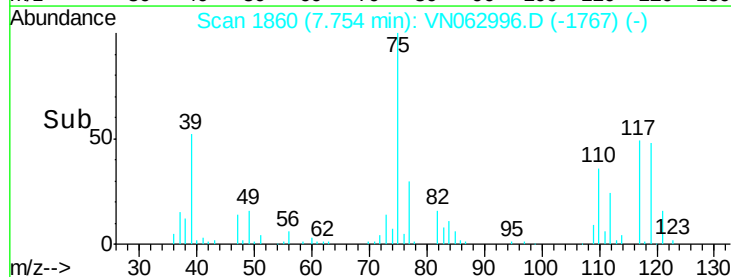
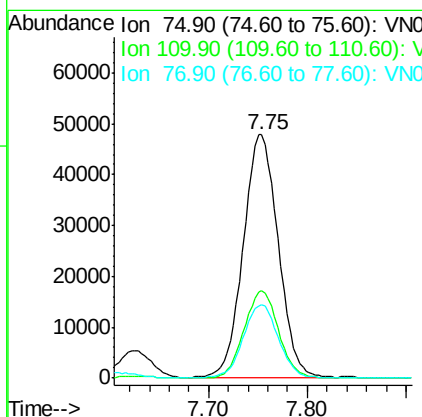
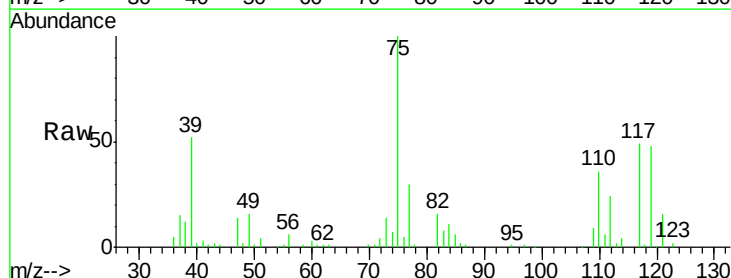
Manual Integrations
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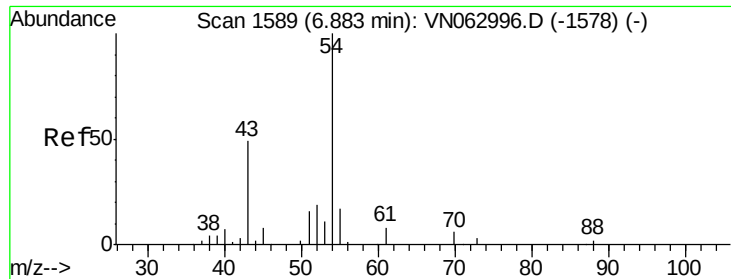
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.692 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.5	52.6
77	30.3	24.2	36.4





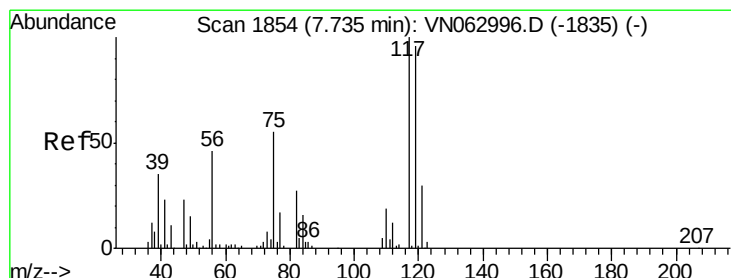
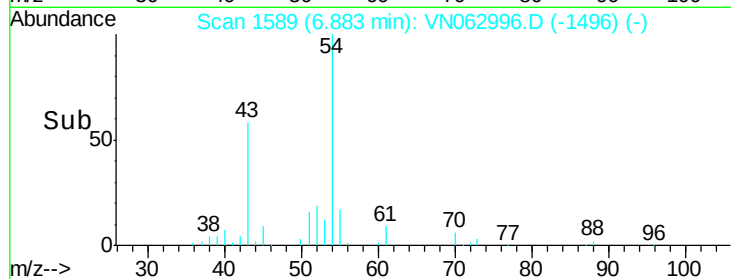
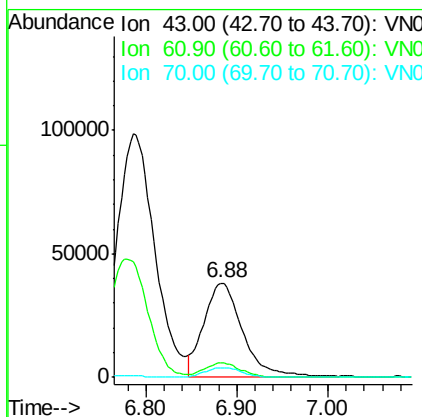
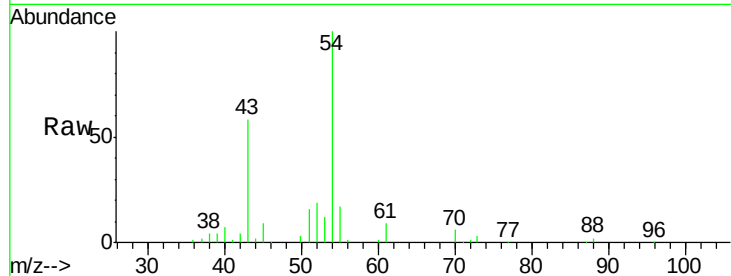
#37
Ethyl Acetate
Concen: 50.846 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	43	61	70
Resp	111118		
Ratio	100	14.8	10.2
Lower		11.8	8.2
Upper		17.8	12.2

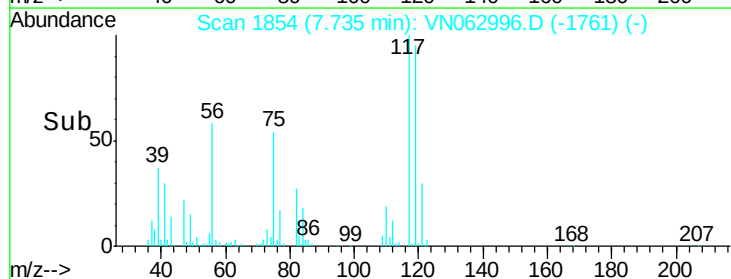
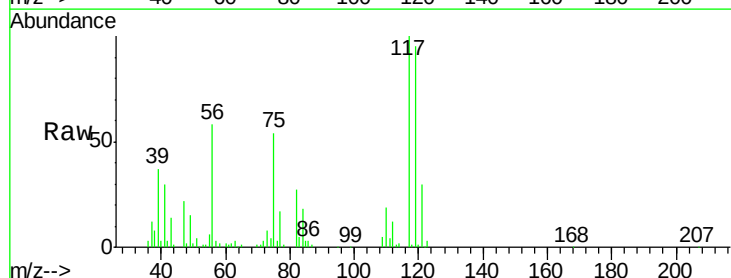
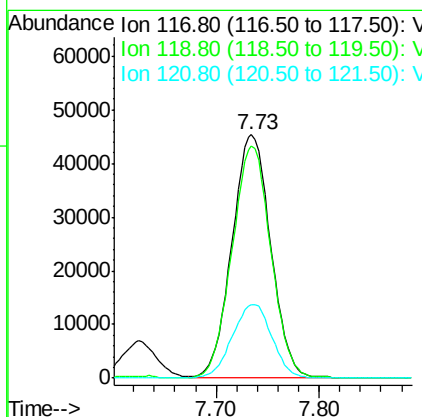
Manual Integrations
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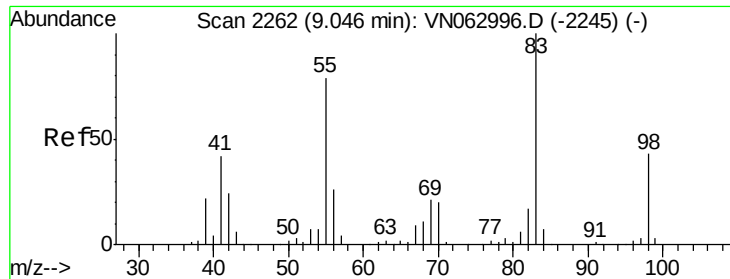
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#38
Carbon Tetrachloride
Concen: 50.591 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	117	119	121
Resp	118827		
Ratio	100	95.3	30.2
Lower		76.2	24.2
Upper		114.4	36.2





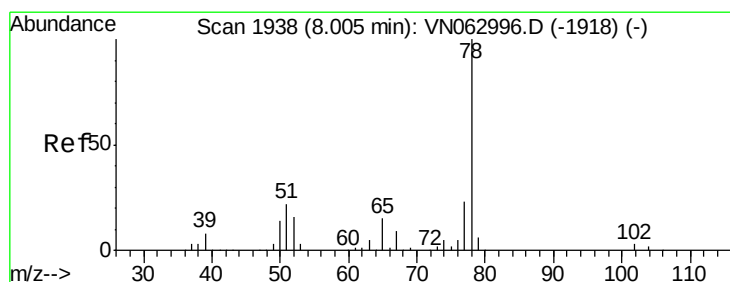
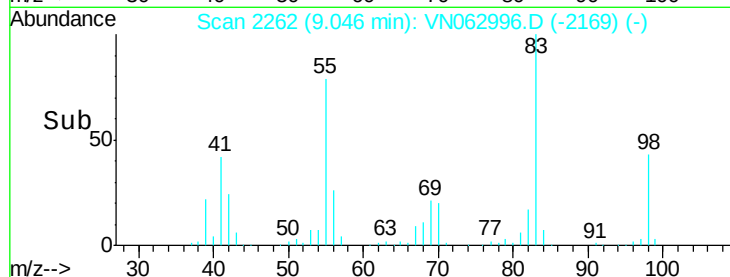
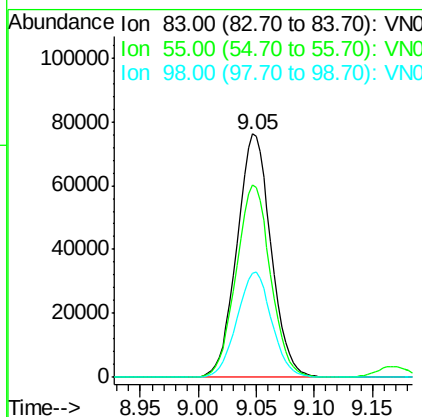
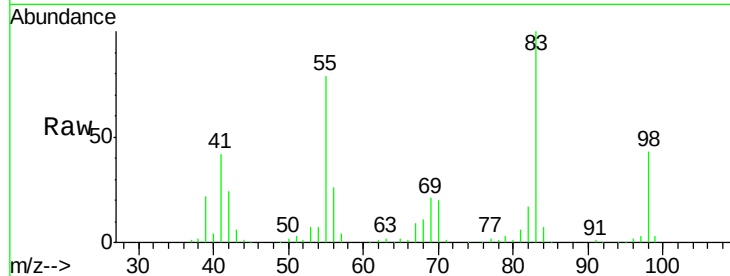
#39
Methylvlcyclohexane
Concen: 56.695 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83.00	Resp	155858
Ion	Ratio	Lower	Upper
83	100		
55	79.1	63.3	94.9
98	42.8	34.2	51.4

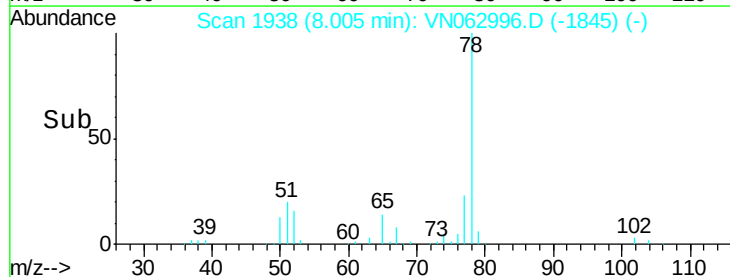
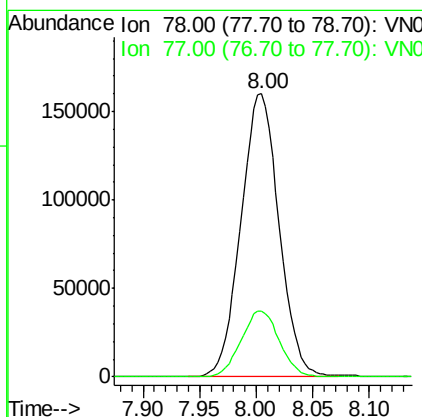
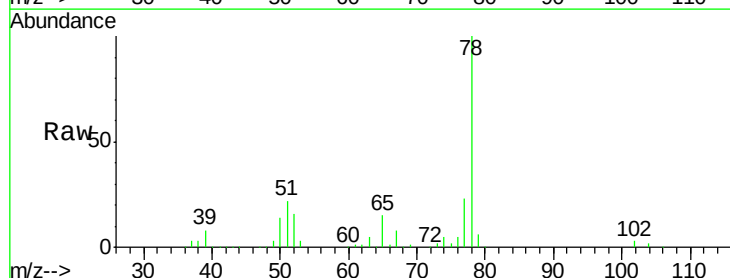
Manual Integrations
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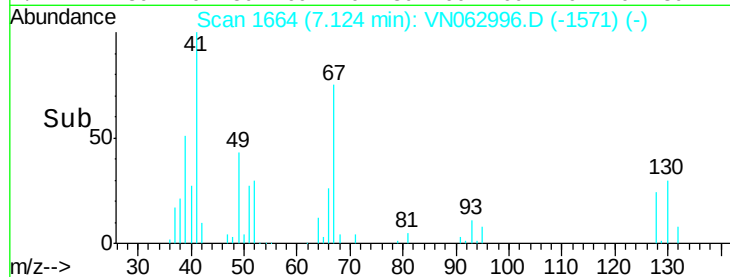
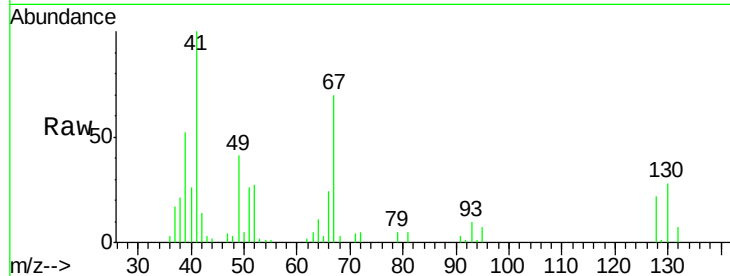
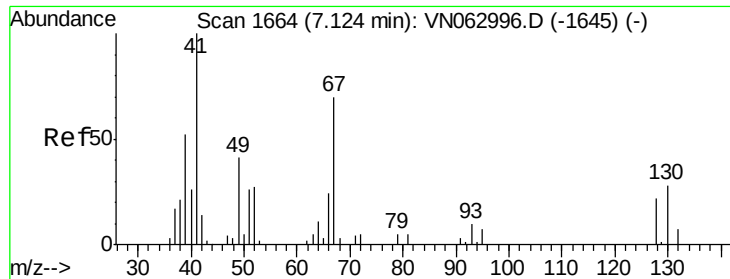
MMDadoda
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#40
Benzene
Concen: 50.933 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

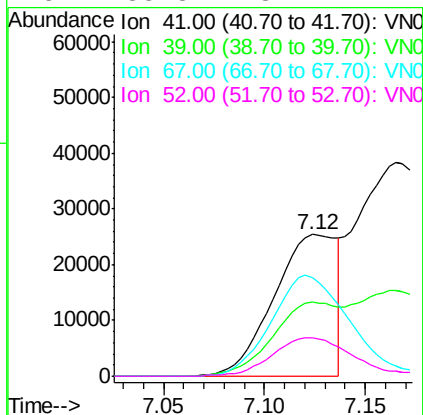
Tgt Ion	78.00	Resp	375828
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41
Methacrylonitrile
Concen: 53.131 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

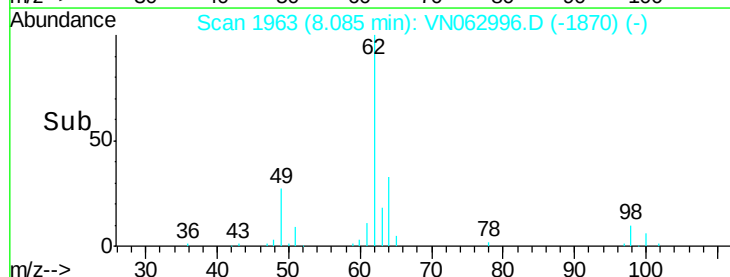
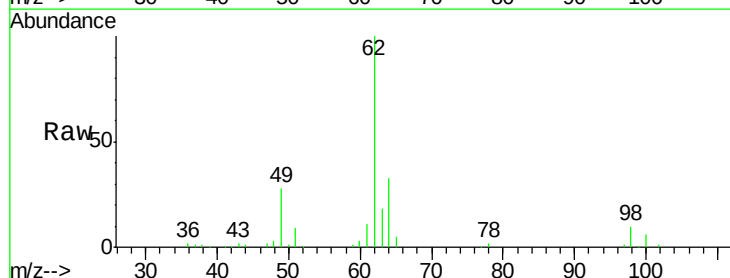
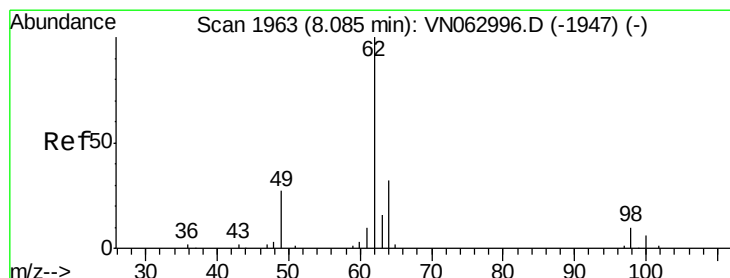
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	41.6	62.4
67	89.8	71.8	107.8
52	35.3	28.2	42.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

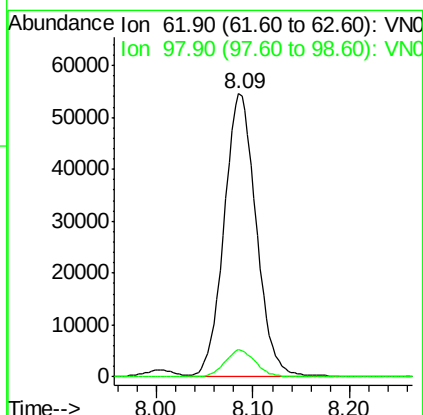
Manual Integrations
APPROVED

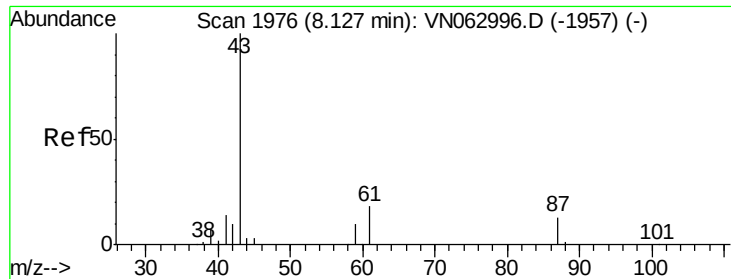
MMDadoda
8/19/2020 5:46:13 PM



#42
1,2-Dichloroethane
Concen: 50.487 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





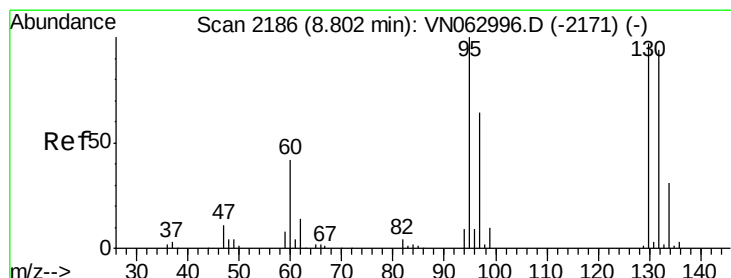
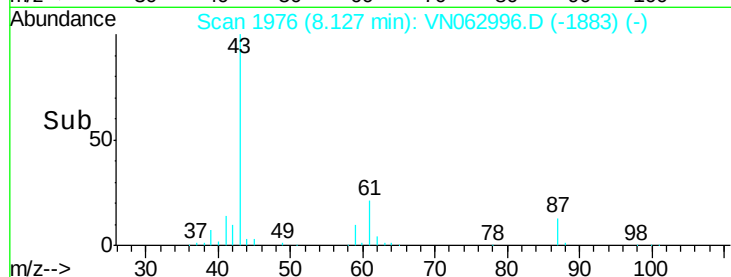
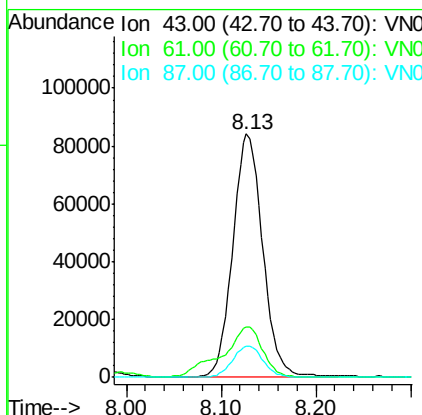
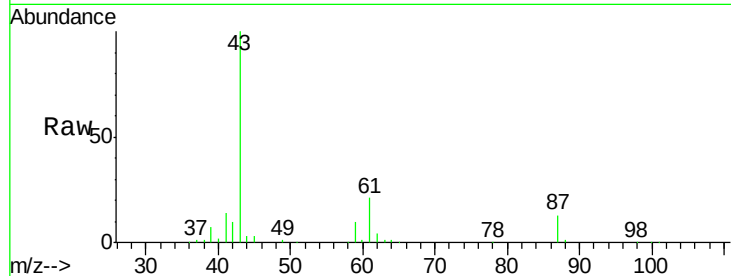
#43
Isopropyl Acetate
Concen: 51.390 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	22.6	33.8
87	13.1	10.5	15.7

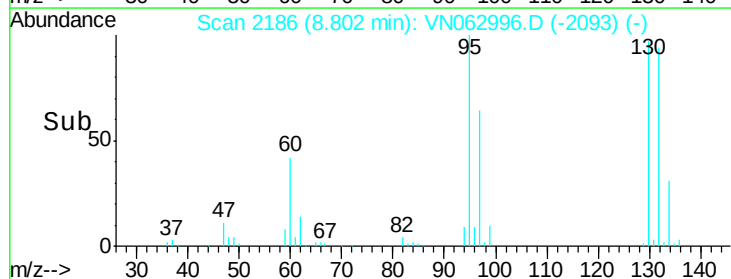
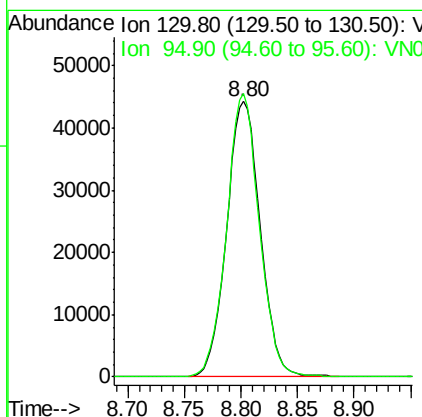
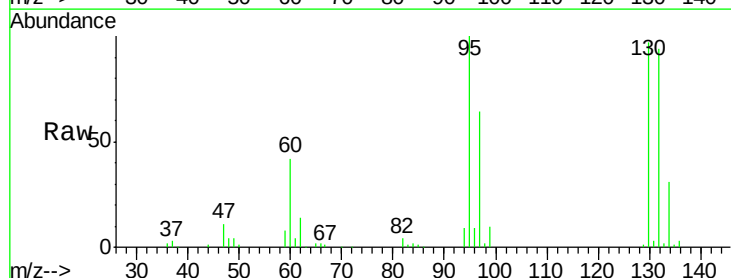
Manual Integrations
APPROVED

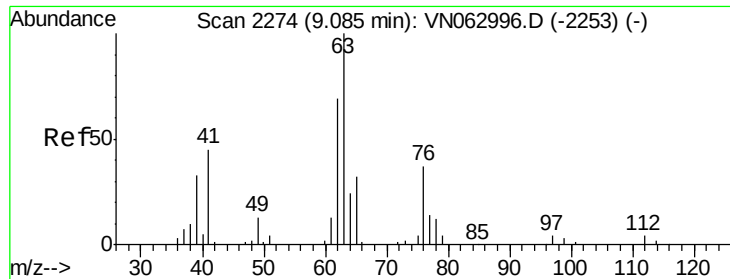
MMDadoda
8/19/2020 5:46:13 PM



#44
Trichloroethene
Concen: 49.883 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	205.6





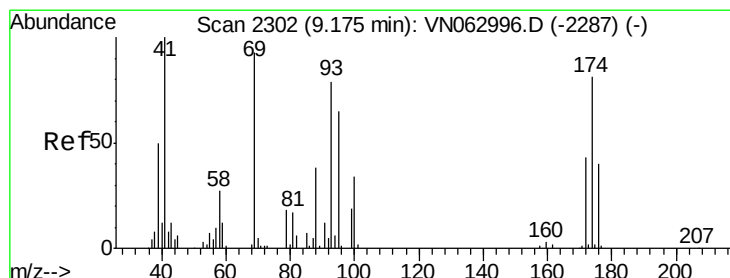
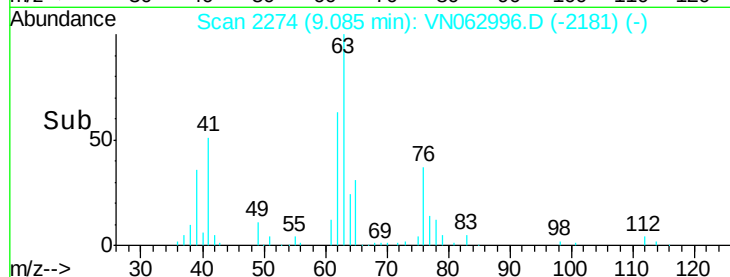
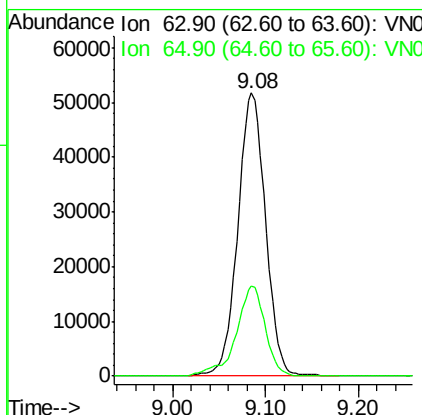
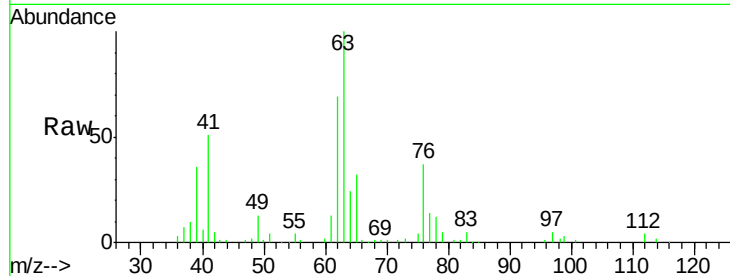
#45
 1,2-Dichloropropane
 Concen: 50.423 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 107547
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.6 38.4

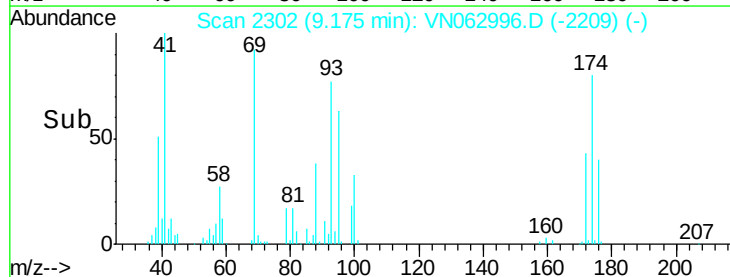
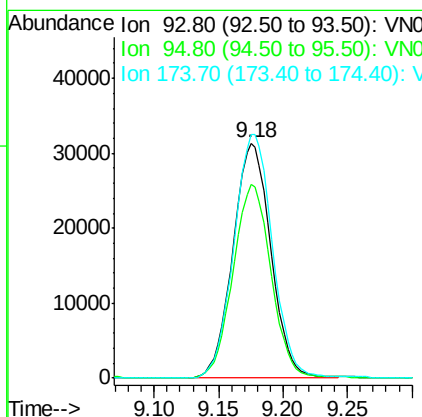
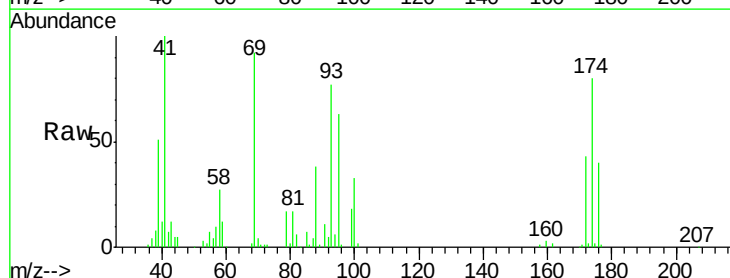
Manual Integrations
 APPROVED

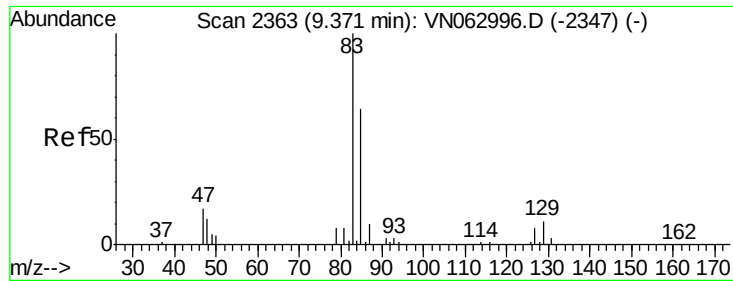
MMDadoda
 8/19/2020 5:46:13 PM



#46
 Dibromomethane
 Concen: 52.106 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion: 93 Resp: 64204
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.2 99.4
 174 105.8 84.6 127.0





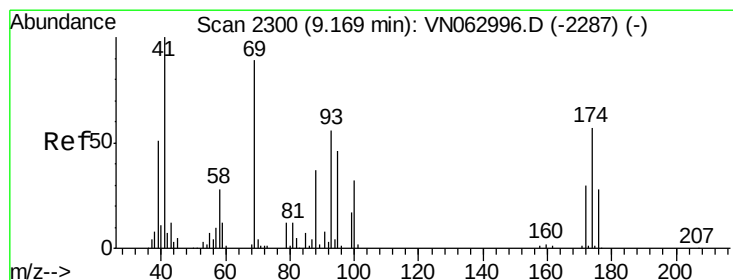
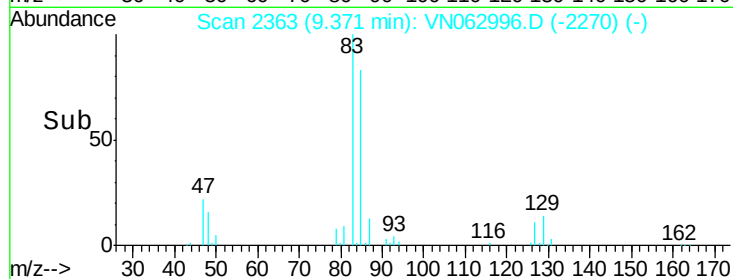
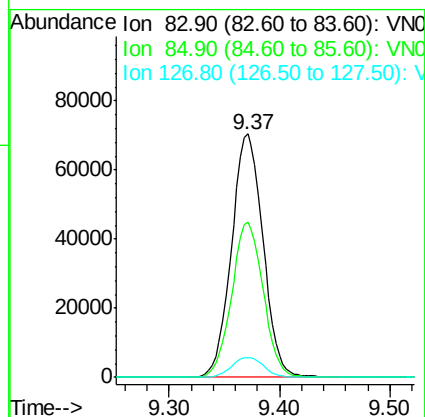
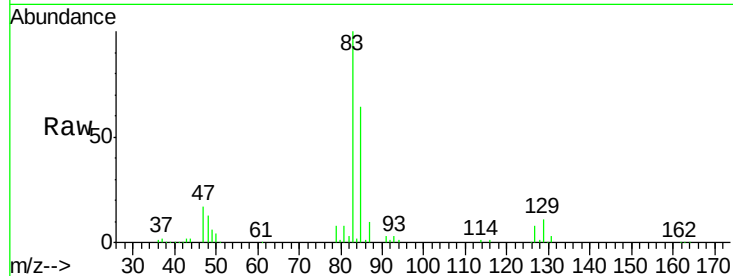
#47
Bromodichloromethane
Concen: 51.725 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.9	51.1	76.7	
127	8.2	6.6	9.8	

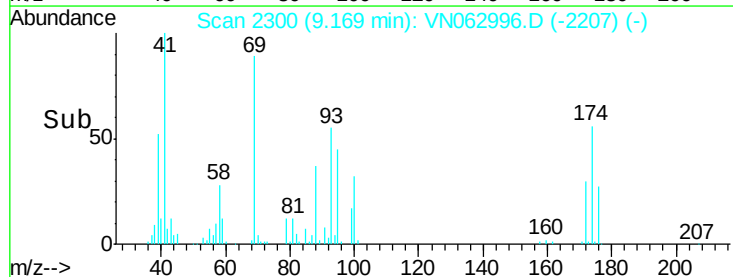
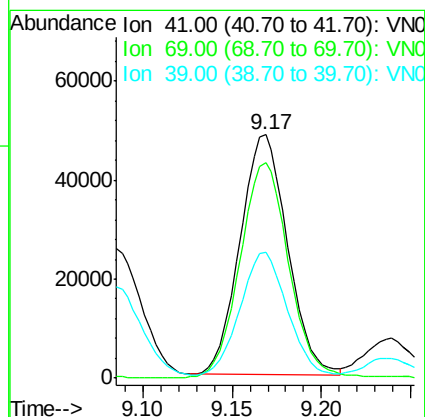
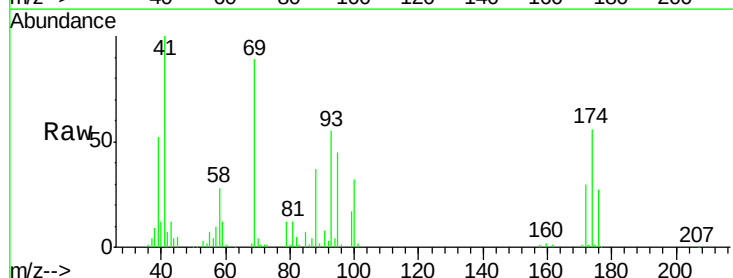
Manual Integrations
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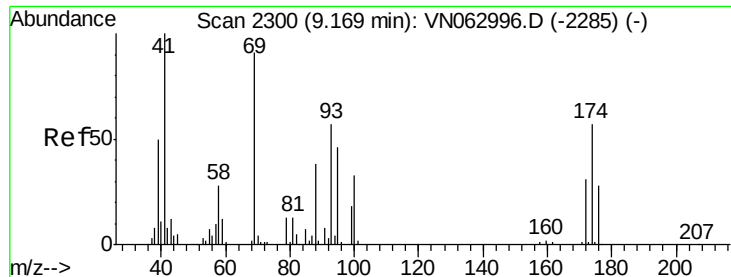
MMDadoda
8/19/2020 5:46:13 PM



#48
Methyl methacrylate
Concen: 52.829 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.8	74.2	111.4	
39	53.1	42.5	63.7	





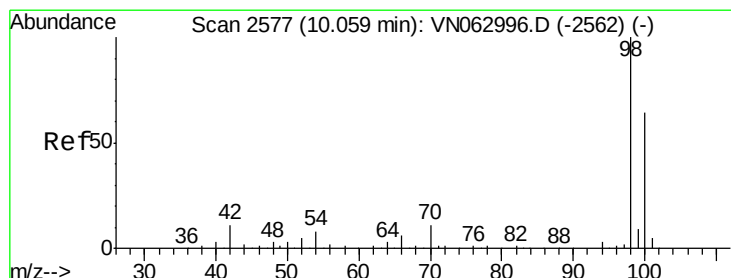
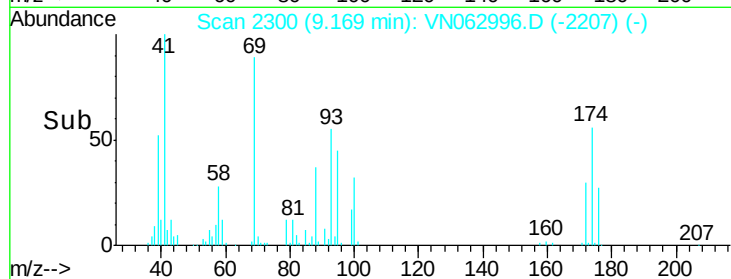
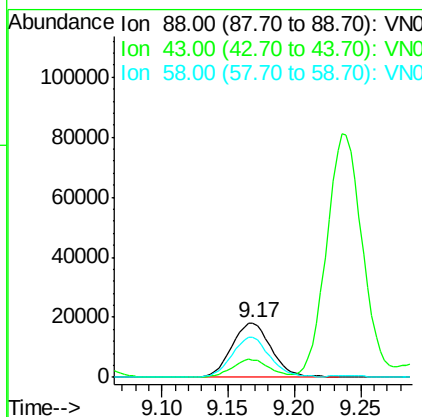
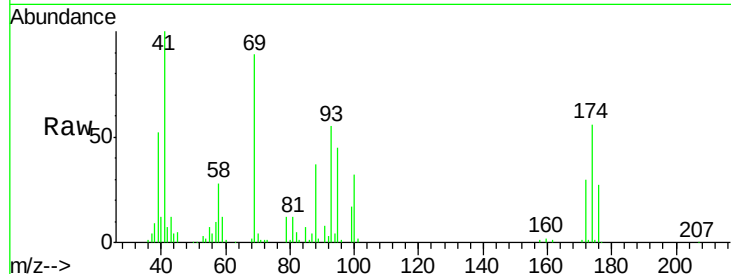
#49
 1,4-Dioxane
 Concen: 1137.147 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	88	Resp	37877
Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.2	37.8
58	70.9	56.7	85.1

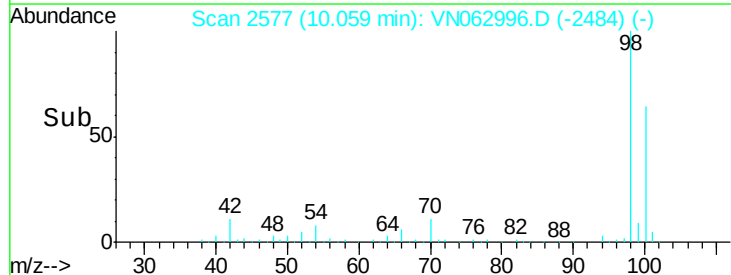
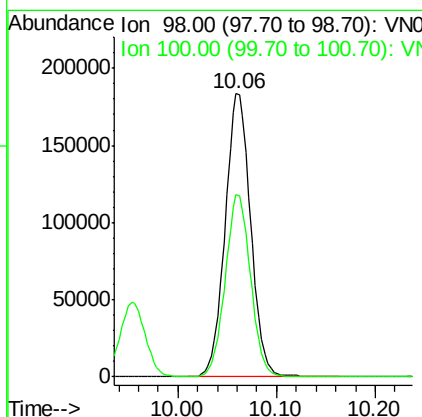
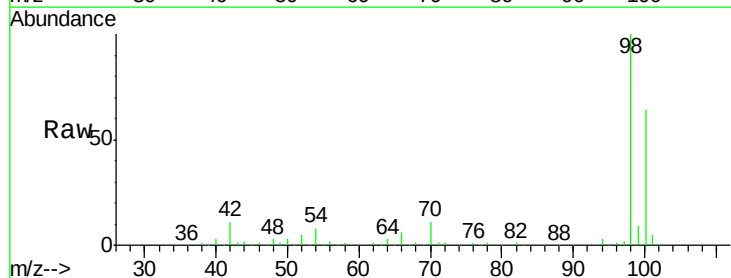
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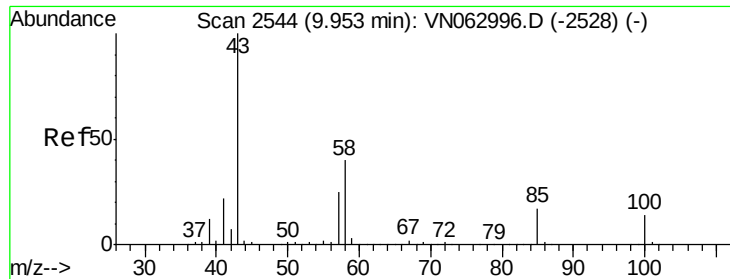
MMDadoda
 8/19/2020 5:46:13 PM



#50
 Toluene-d8
 Concen: 50.411 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	98	Resp	333089
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 266.718 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 608862

Ion Ratio Lower Upper

43 100

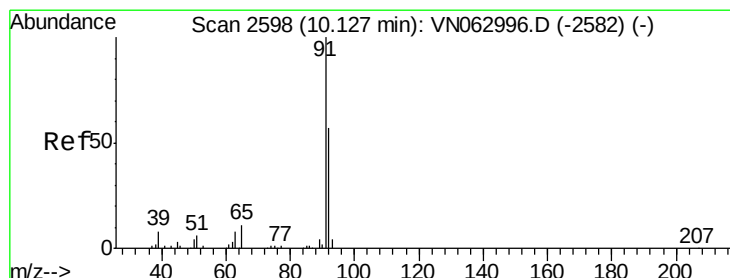
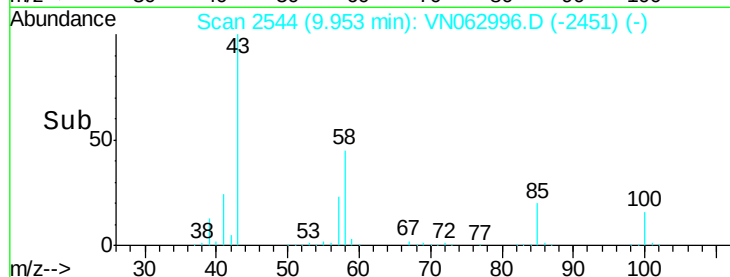
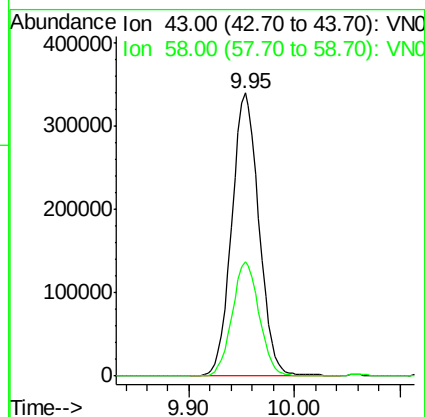
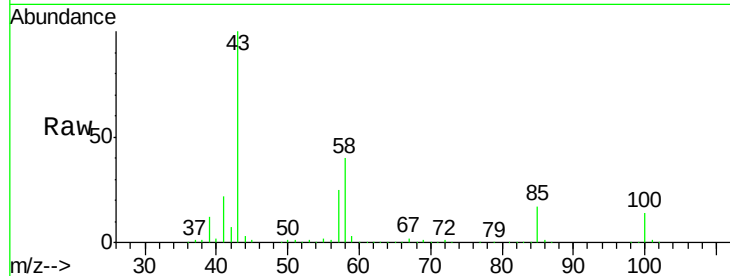
58 40.2 32.2 48.2

Manual Integrations

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#52

Toluene

Concen: 52.911 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062996.D

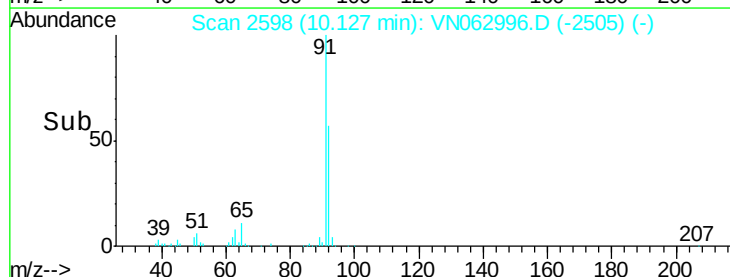
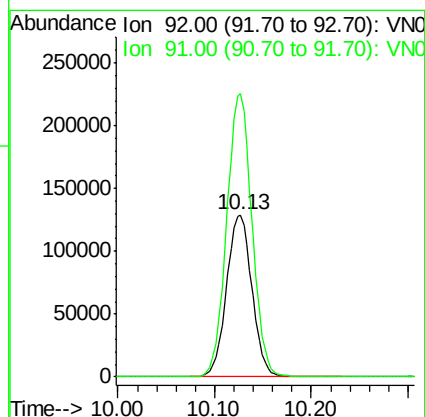
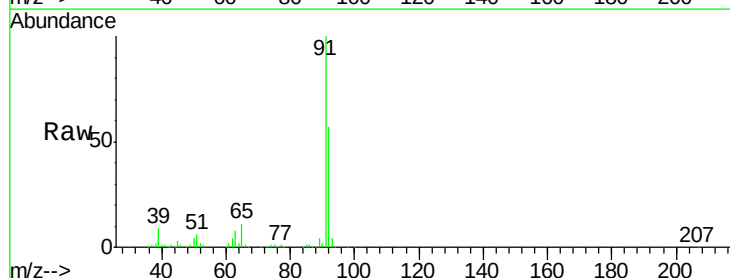
Acq: 18 Aug 2020 19:53

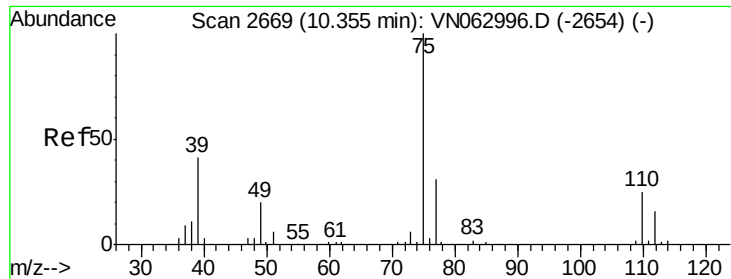
Tgt Ion: 92 Resp: 235519

Ion Ratio Lower Upper

92 100

91 174.0 139.2 208.8





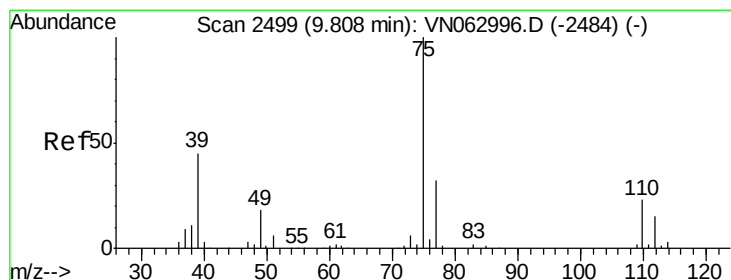
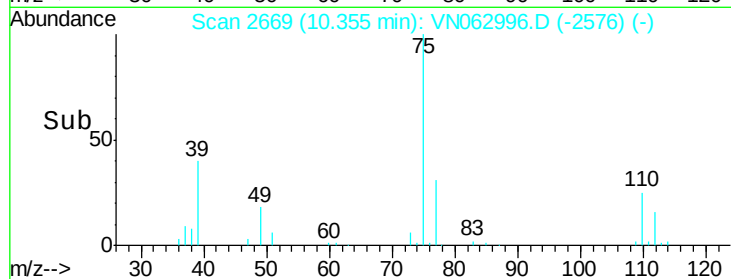
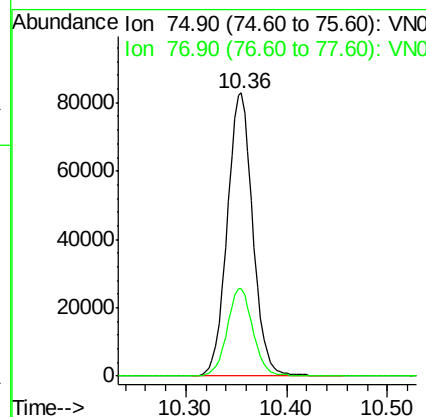
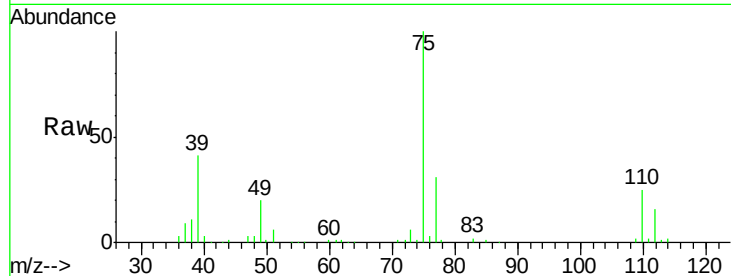
#53
 t-1,3-Dichloropropene
 Concen: 52.542 ug/l
 RT: 10.36 min Scan# 2669
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	75	Resp	146637
Ion Ratio	100	Lower	Upper
77	30.8	24.6	37.0

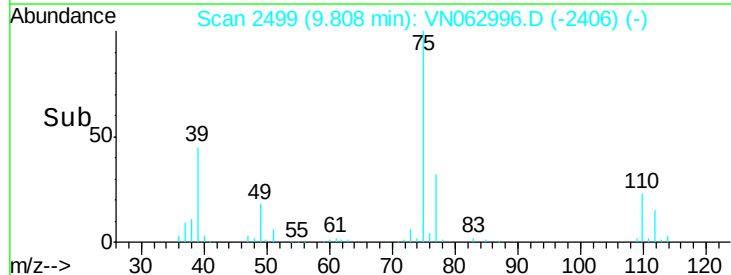
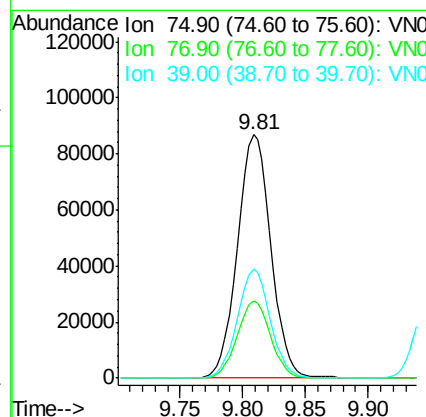
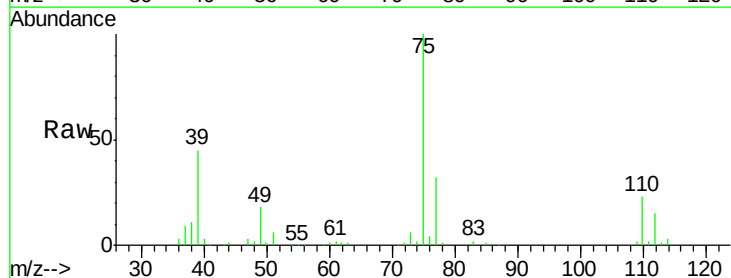
Manual Integrations
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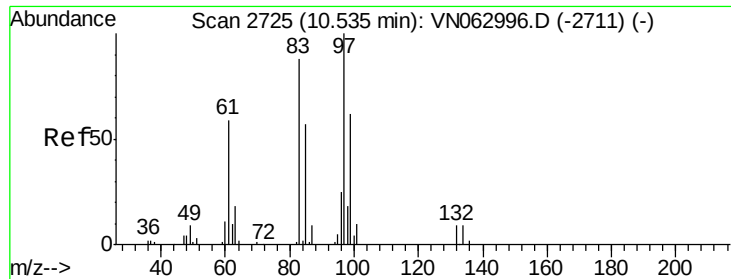
MMDadoda
 8/19/2020 5:46:13 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.484 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	75	Resp	160680
Ion Ratio	100	Lower	Upper
77	31.8	25.4	38.2
39	44.6	35.7	53.5





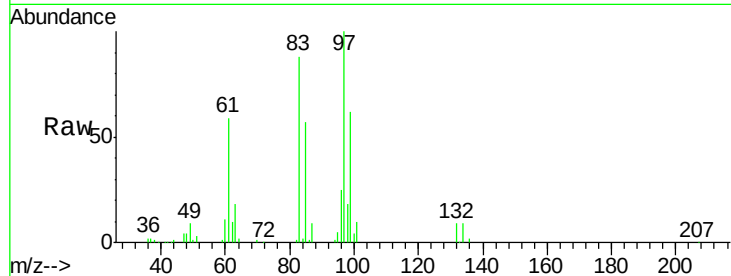
#55
 1,1,2-Trichloroethane
 Concen: 51.362 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	88.1	70.5	105.7		
85	57.2	45.8	68.6		
99	62.1	49.7	74.5		

Manual Integrations
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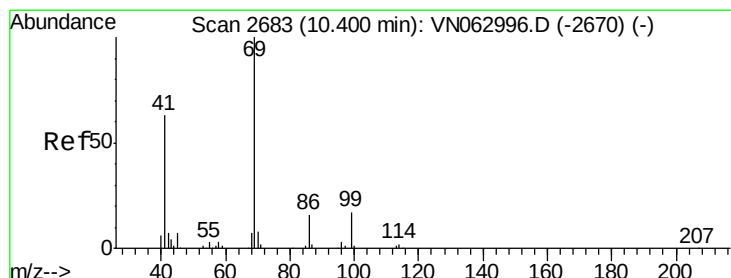
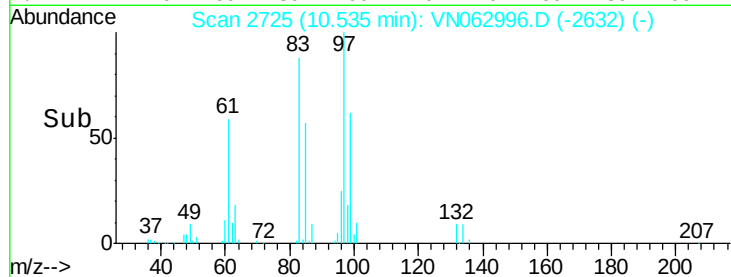
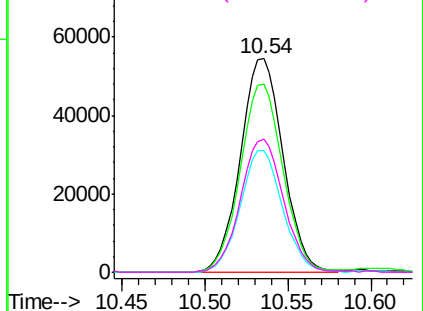
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

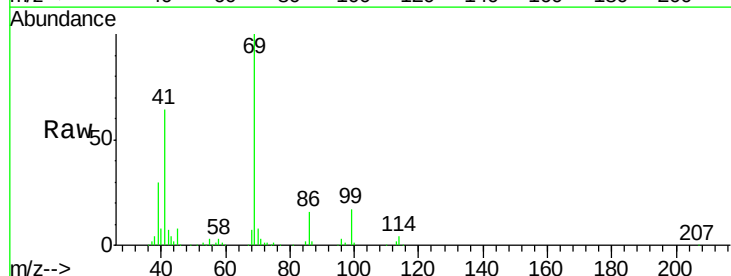
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 55.217 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	62.7	50.2	75.2		
39	30.3	24.2	36.4		

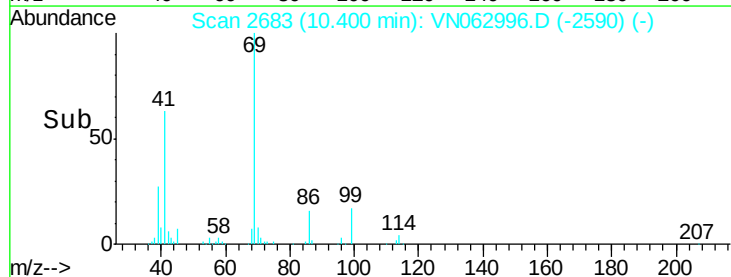
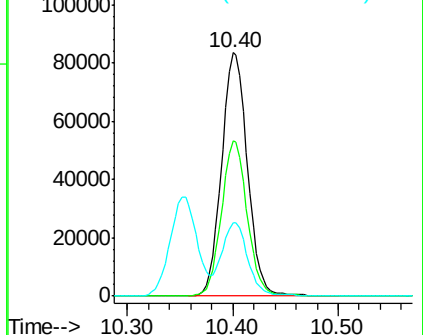


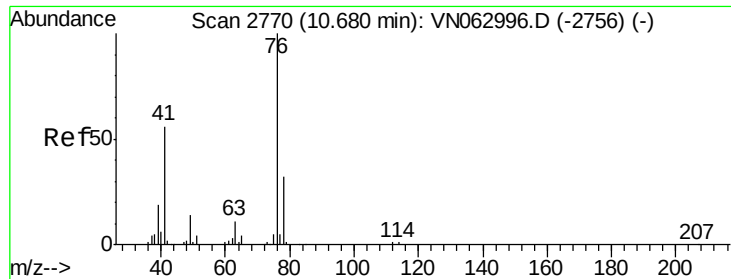
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





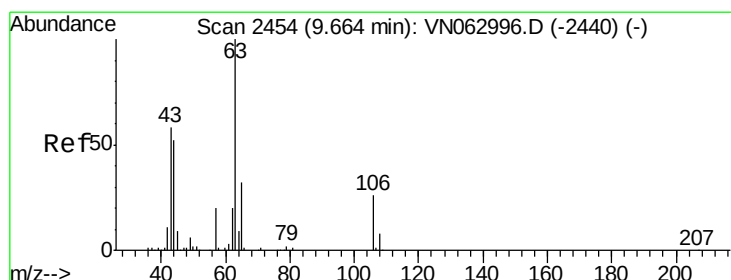
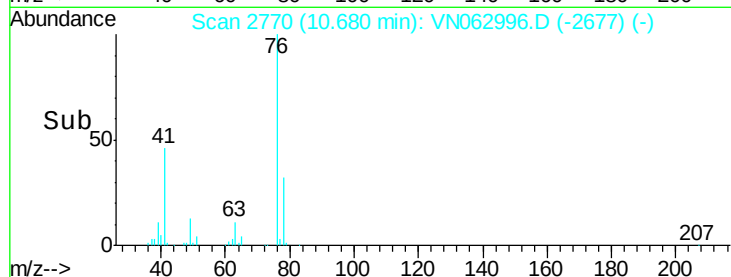
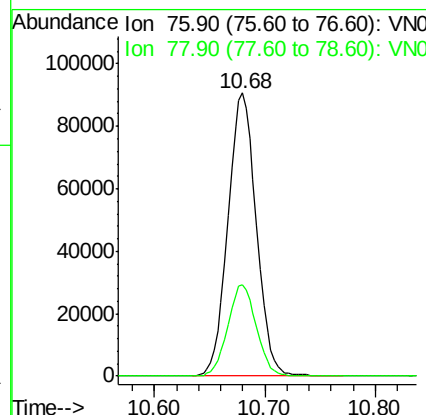
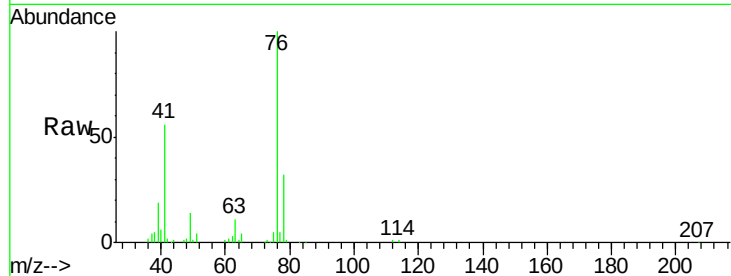
#57
 1,3-Dichloropropane
 Concen: 51.025 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 161262
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

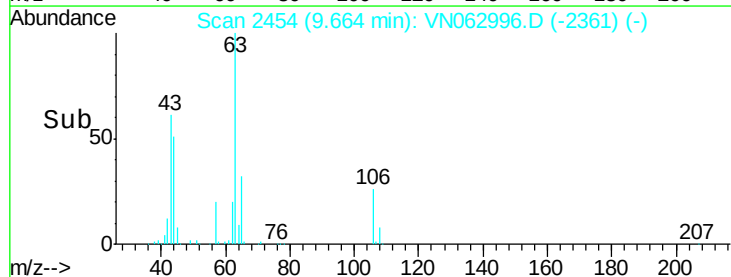
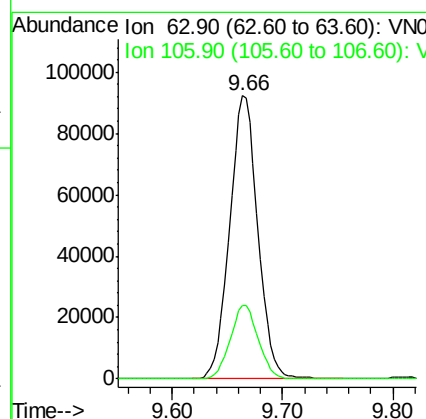
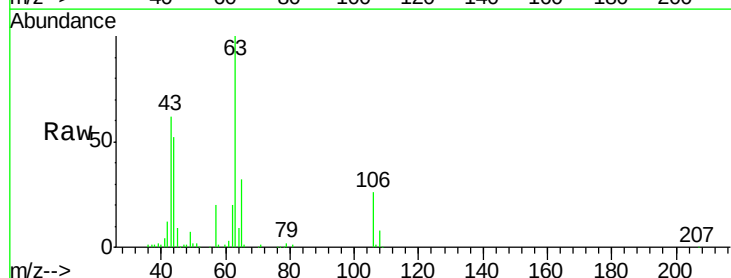
Manual Integrations
 APPROVED

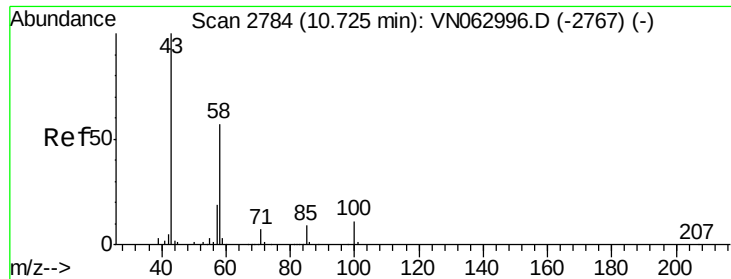
MMDadoda
 8/19/2020 5:46:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.007 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion: 63 Resp: 163241
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1





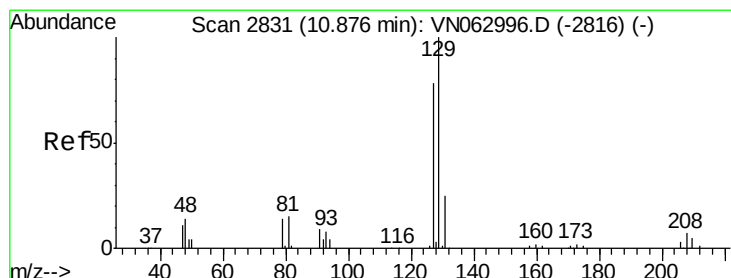
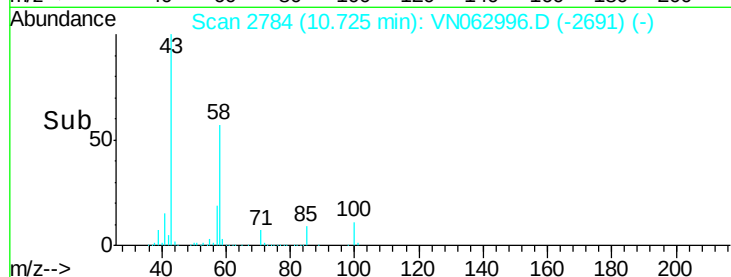
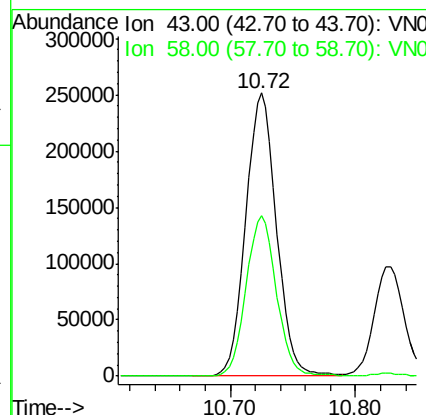
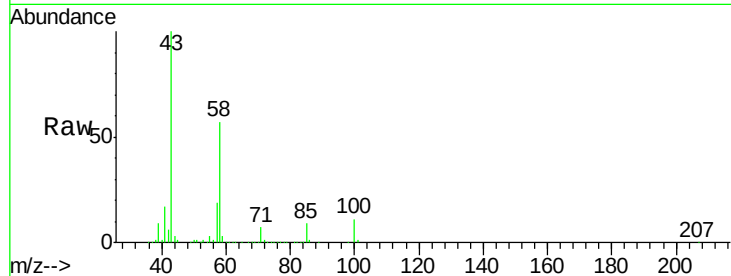
#59
2-Hexanone
Concen: 268.279 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	28.1	84.3

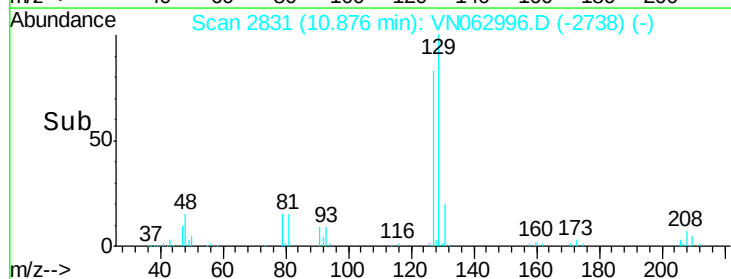
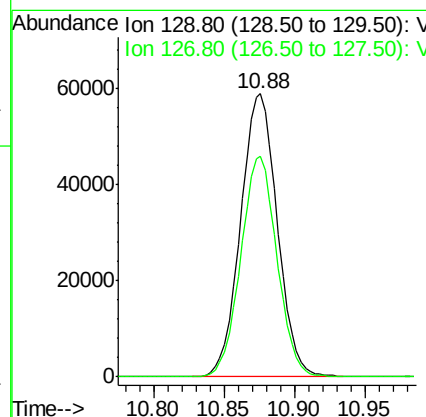
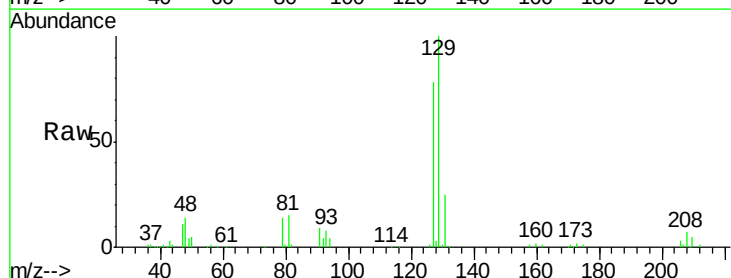
Manual Integrations
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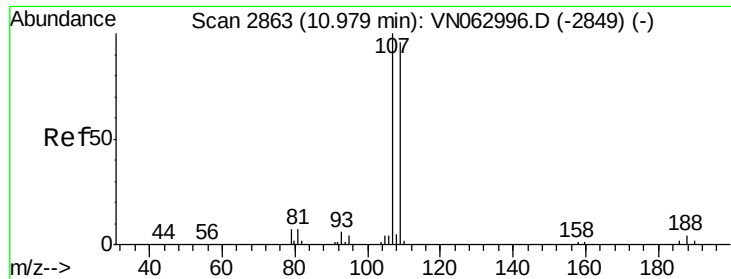
MMDadoda
8/19/2020 5:46:13 PM



#60
Dibromochloromethane
Concen: 50.993 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2





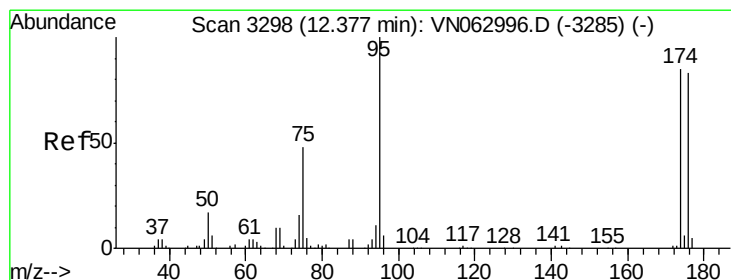
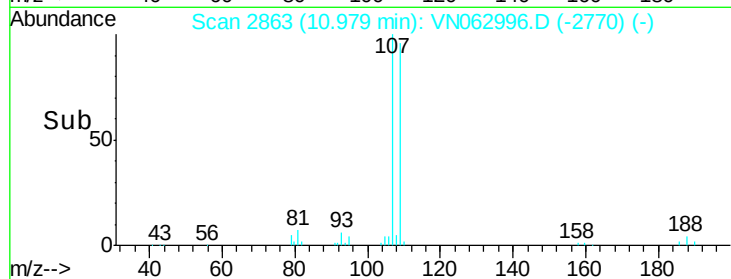
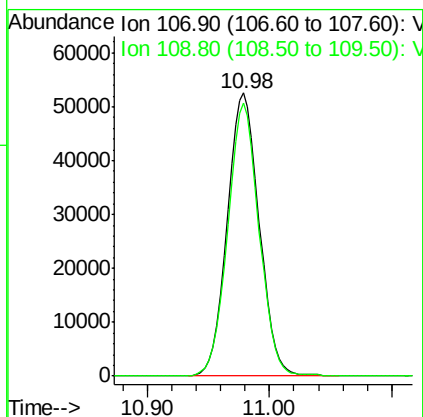
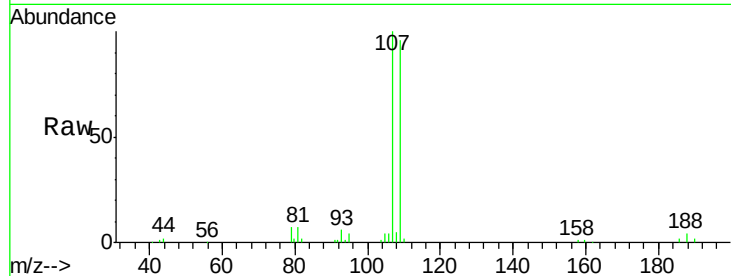
#61
 1,2-Dibromoethane
 Concen: 52.363 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:107 Resp: 95762
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5

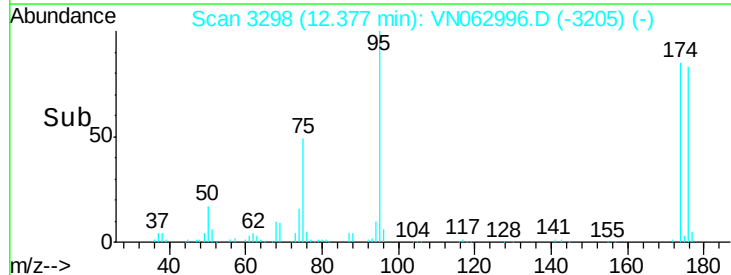
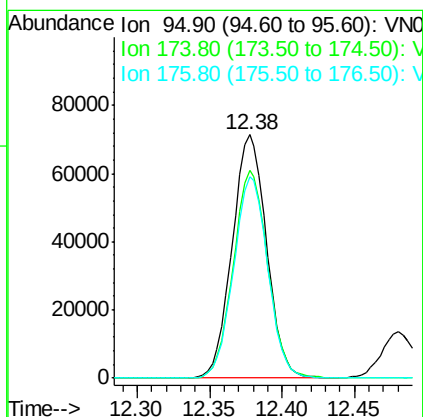
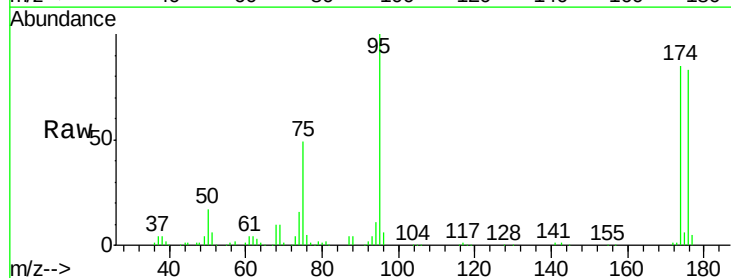
Manual Integrations
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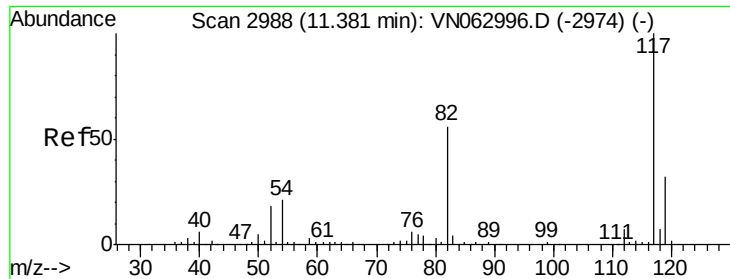
MMDadoda
 8/19/2020 5:46:13 PM



#62
 4-Bromofluorobenzene
 Concen: 50.441 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion: 95 Resp: 117610
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 170.8
 176 82.4 0.0 164.8





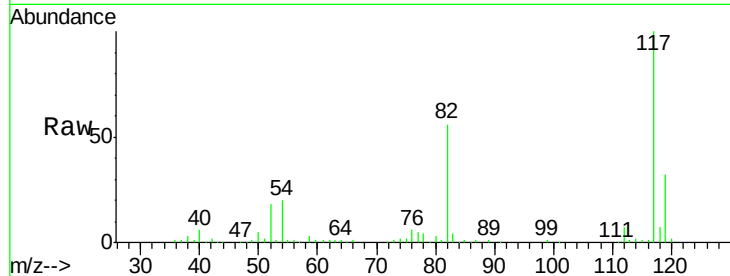
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.5	66.7
119	31.9	25.5	38.3

Manual Integrations
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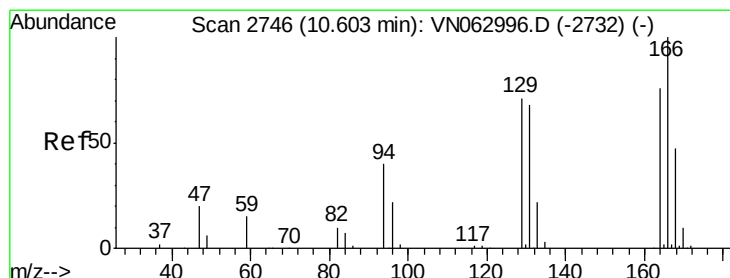
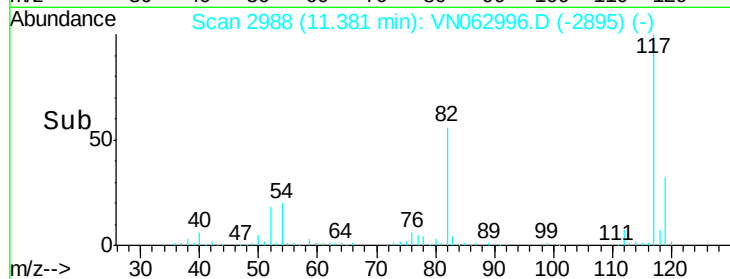
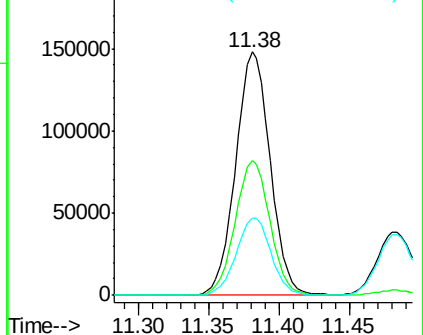


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.178 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	105.0	157.6
129	93.4	74.7	112.1
131	88.7	71.0	106.4

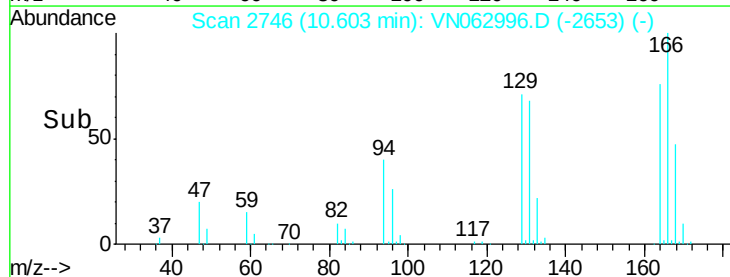
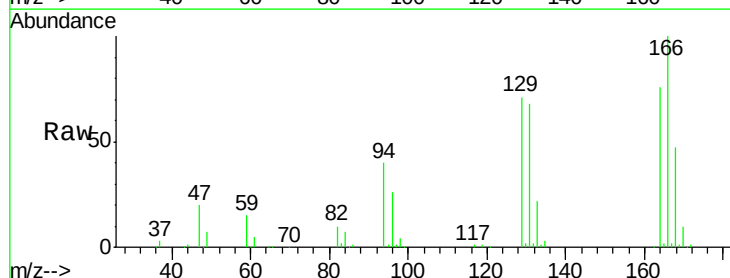
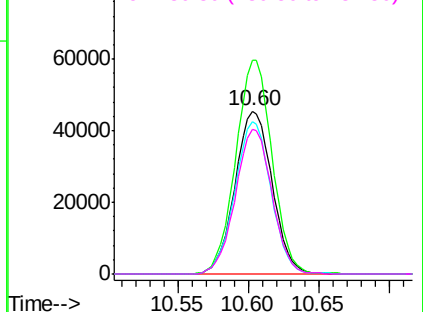
Abundance

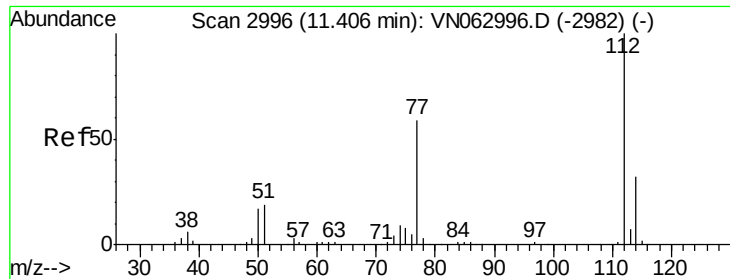
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





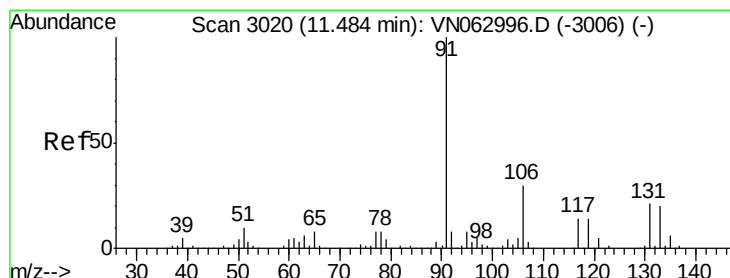
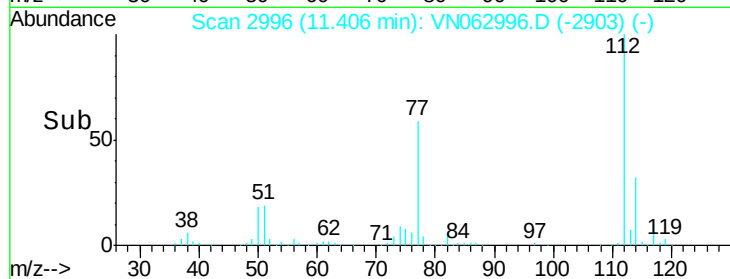
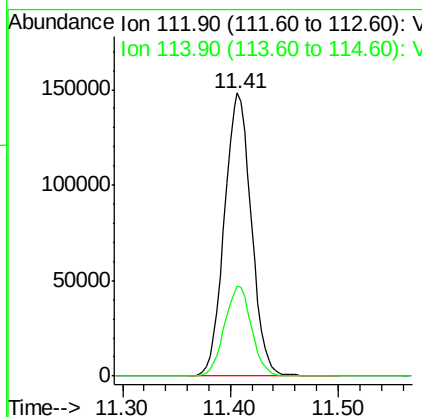
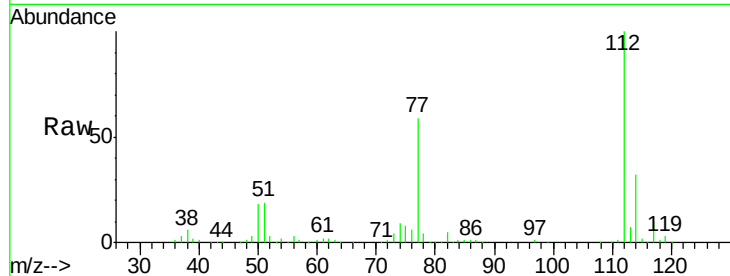
#65
Chlorobenzene
Concen: 50.514 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 257485
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

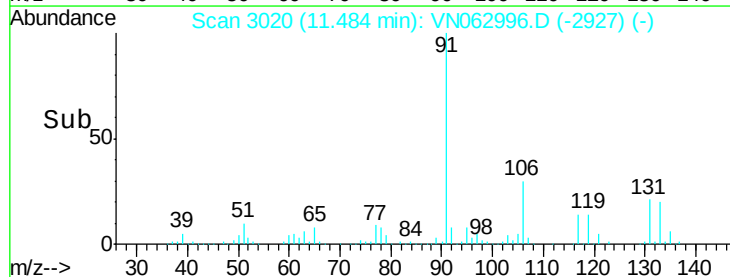
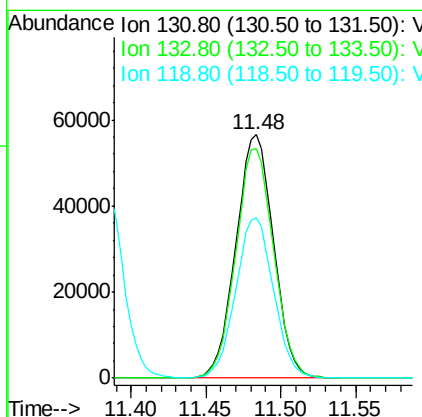
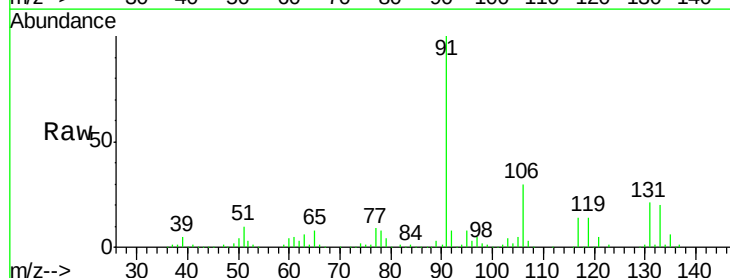
Manual Integrations
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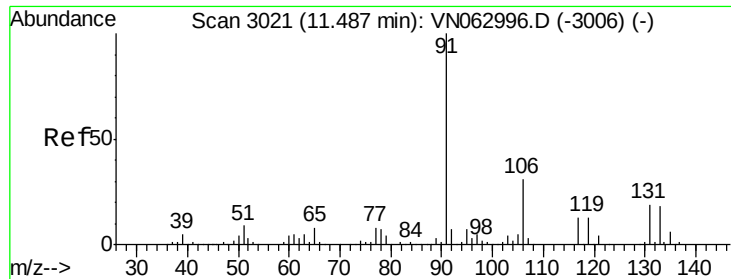
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.998 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion:131 Resp: 99129
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 66.2 33.1 99.3





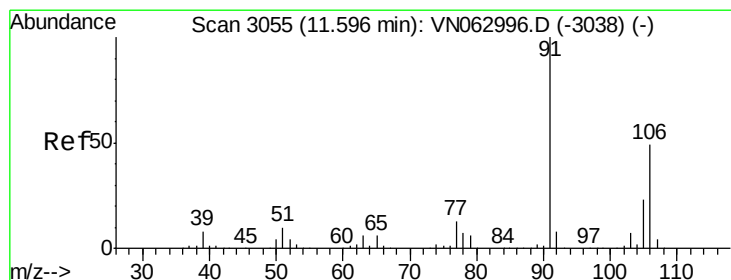
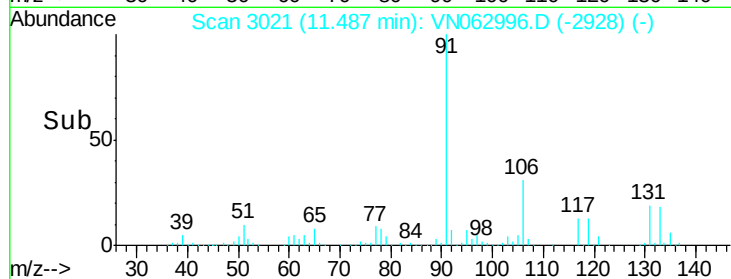
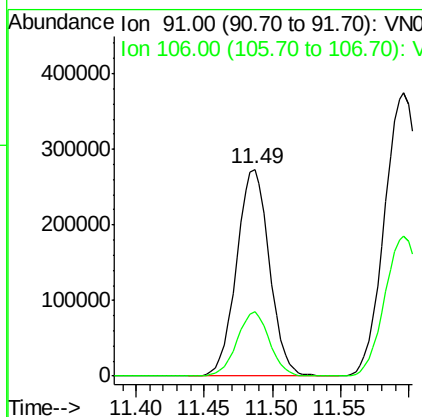
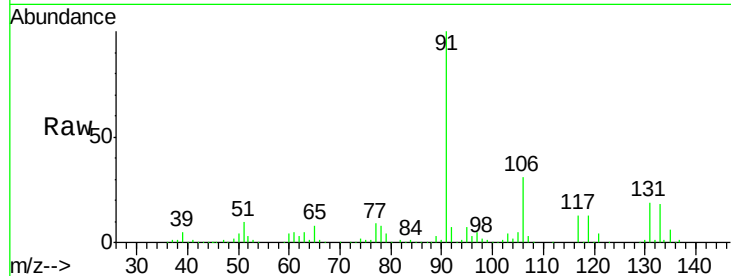
#67
Ethyl Benzene
Concen: 53.090 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 457263
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0

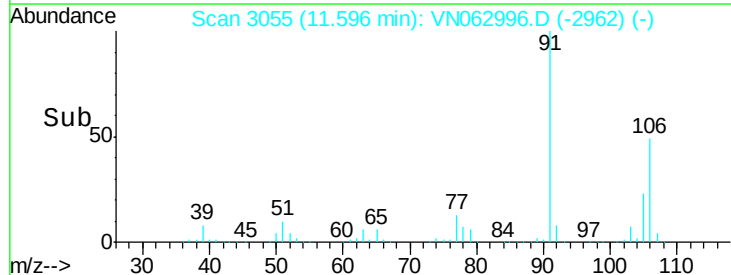
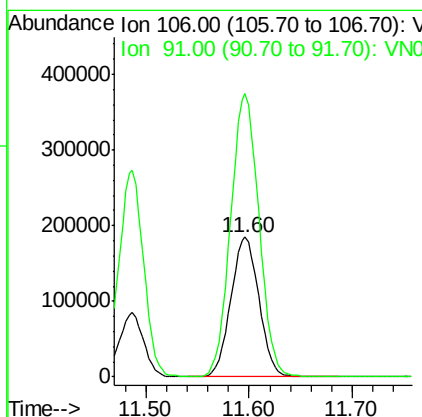
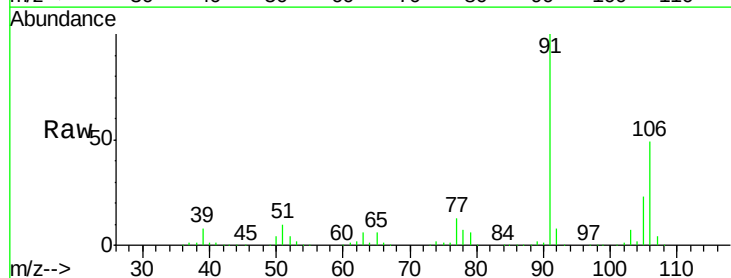
Manual Integrations
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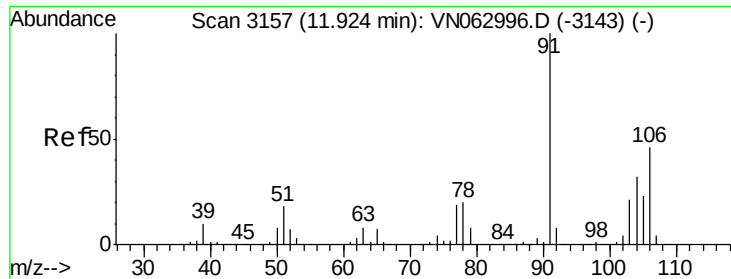
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#68
m/p-Xylenes
Concen: 109.624 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion: 106 Resp: 350927
Ion Ratio Lower Upper
106 100
91 203.7 163.0 244.4





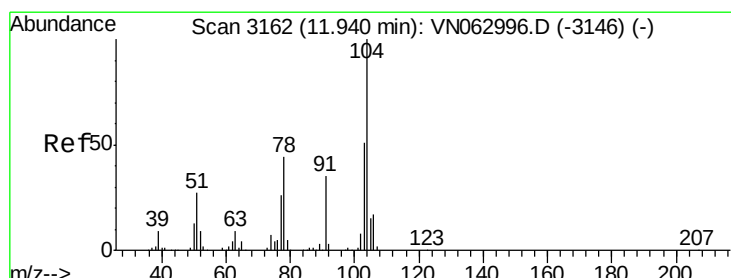
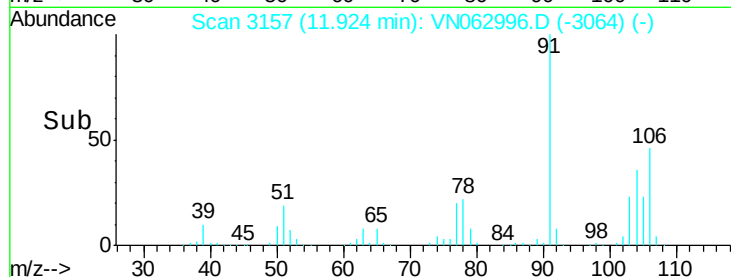
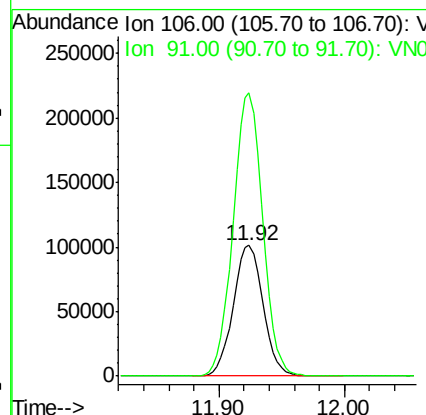
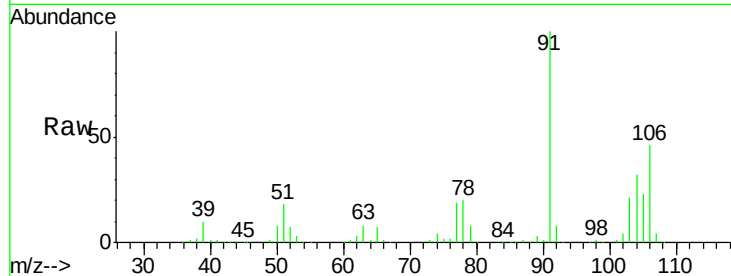
#69
o-Xylene
Concen: 54.556 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 167706
Ion Ratio Lower Upper
106 100
91 214.6 107.3 321.9

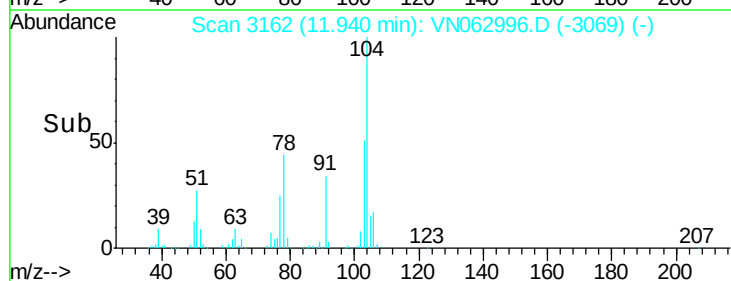
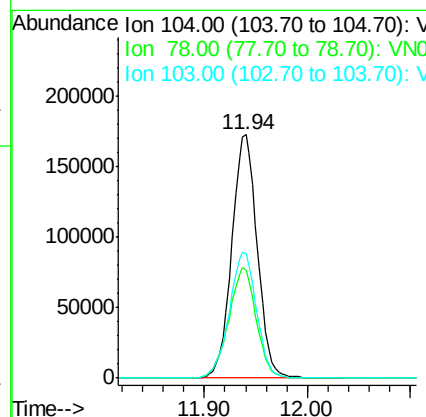
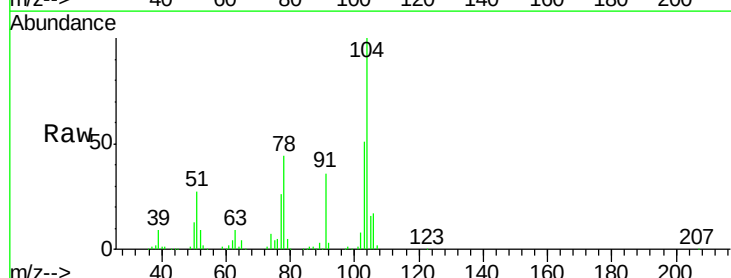
Manual Integrations
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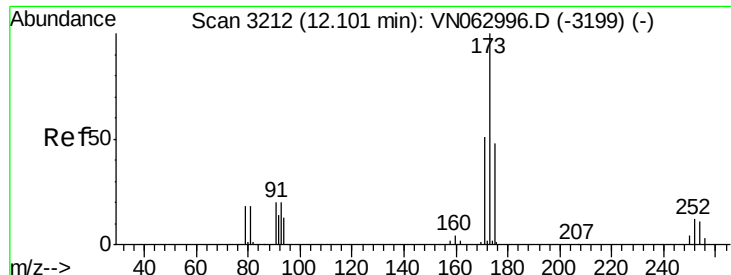
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#70
Styrene
Concen: 56.296 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion:104 Resp: 296992
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 55.4 44.3 66.5





#71

Bromoform

Concen: 50.969 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 80436

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

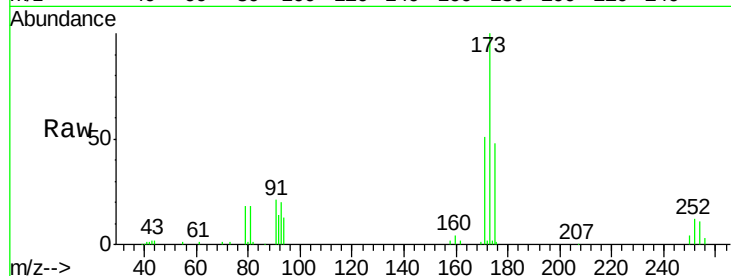
254 0.0 0.0 0.0

Manual Integrations

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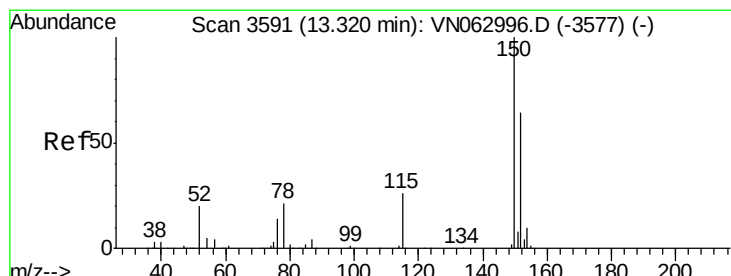
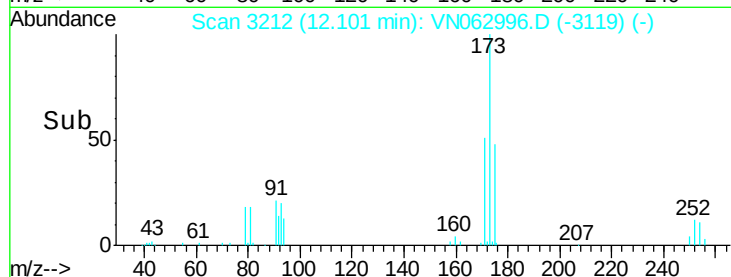
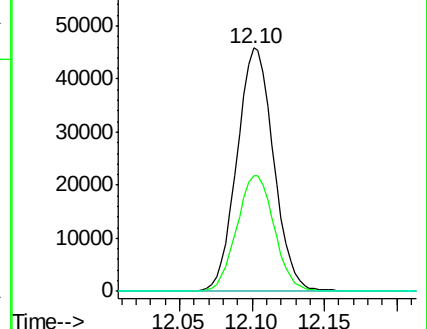
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

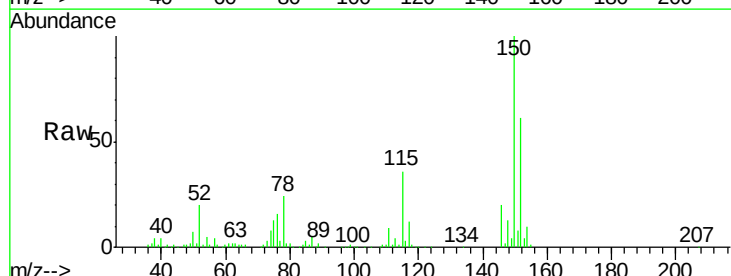
Tgt Ion:152 Resp: 126765

Ion Ratio Lower Upper

152 100

115 57.5 28.7 86.3

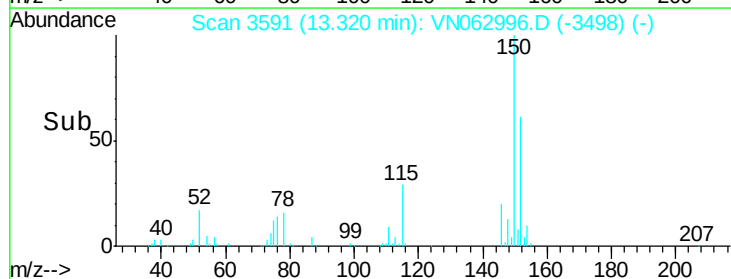
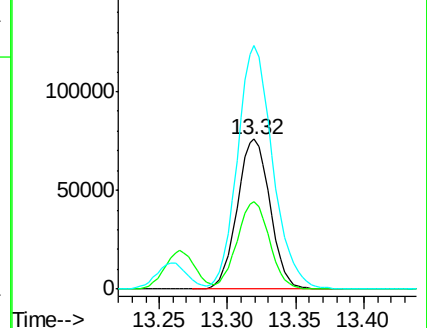
150 174.4 0.0 348.8

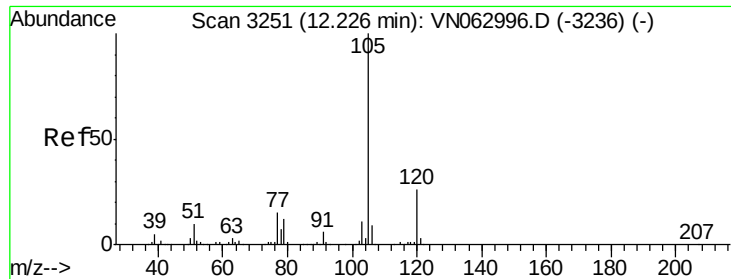


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.116 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 452417

Ion Ratio Lower Upper

105 100

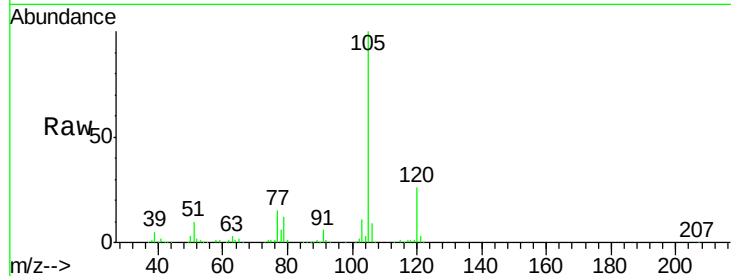
120 26.4 13.2 39.6

Manual Integrations

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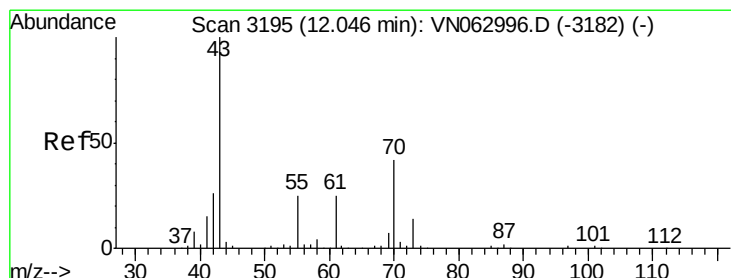
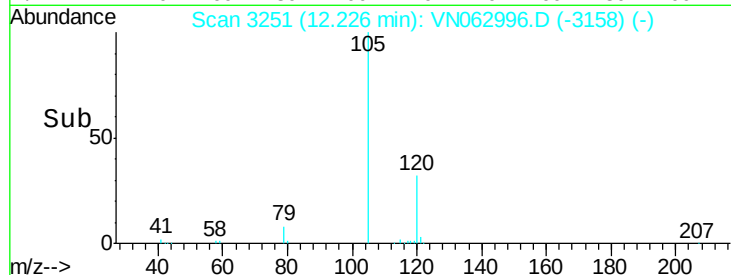
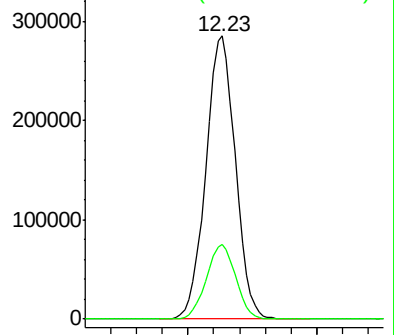
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.691 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Tgt Ion: 43 Resp: 170039

Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 25.2 20.2 30.2

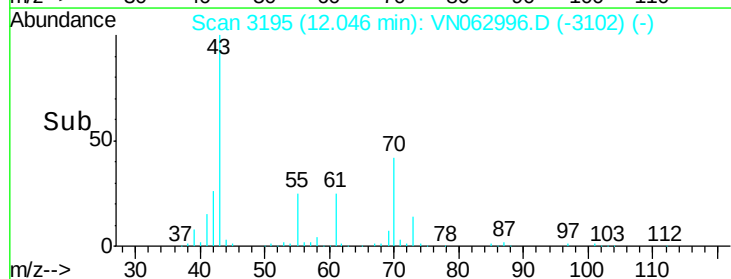
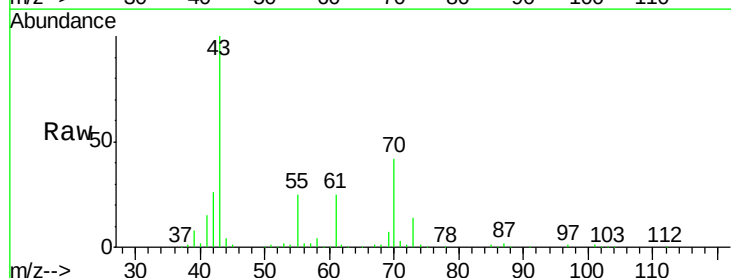
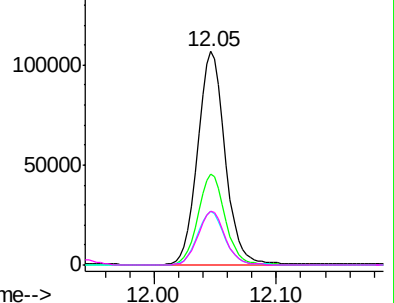
61 24.9 19.9 29.9

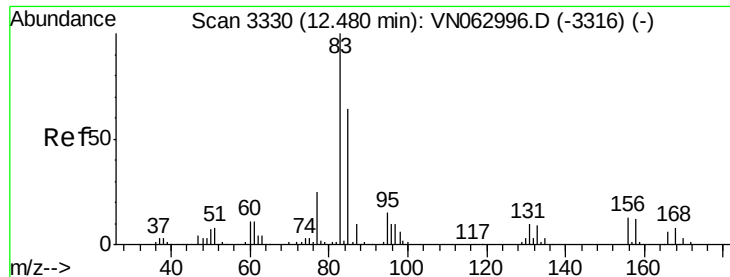
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.033 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 145674

Ion Ratio Lower Upper

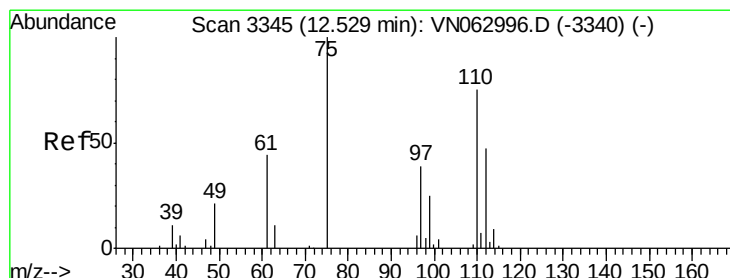
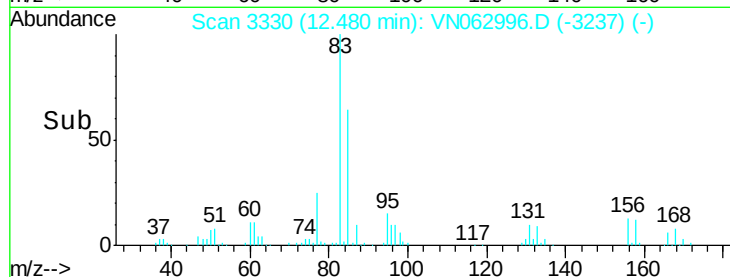
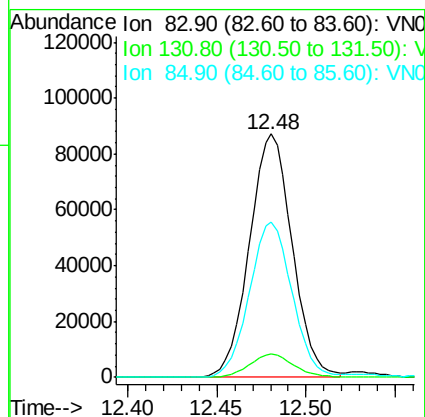
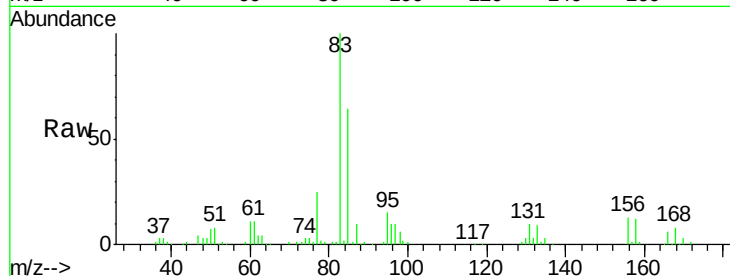
83 100

131 9.8 4.9 14.7

85 63.7 31.9 95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.676 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062996.D

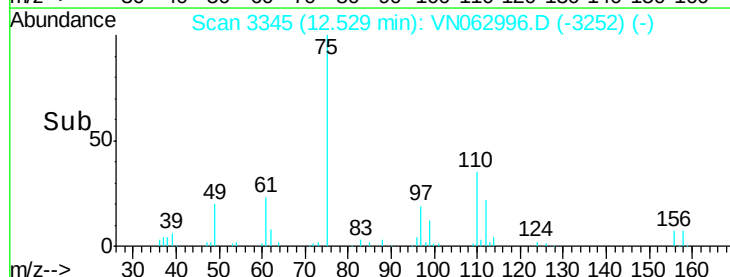
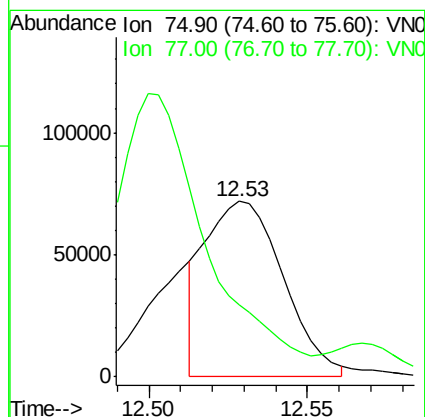
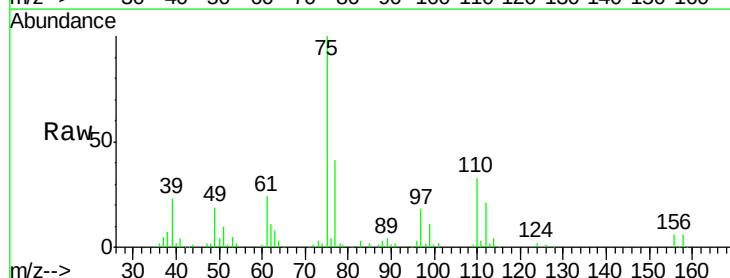
Acq: 18 Aug 2020 19:53

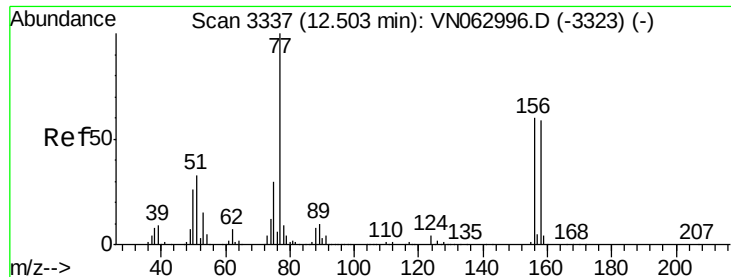
Tgt Ion: 75 Resp: 124025

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.559 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 118322

Ion Ratio Lower Upper

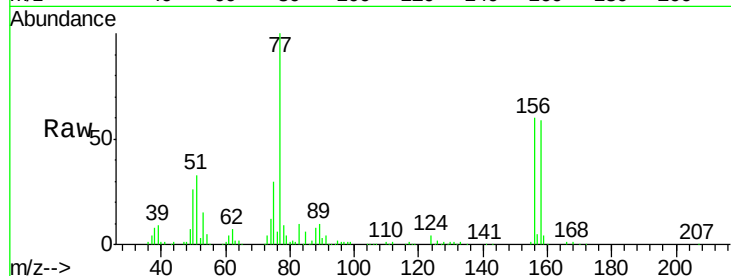
156 100

77 201.9 101.0 302.9

158 98.7 49.4 148.0

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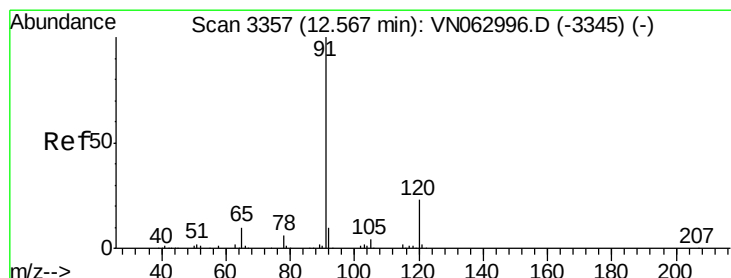
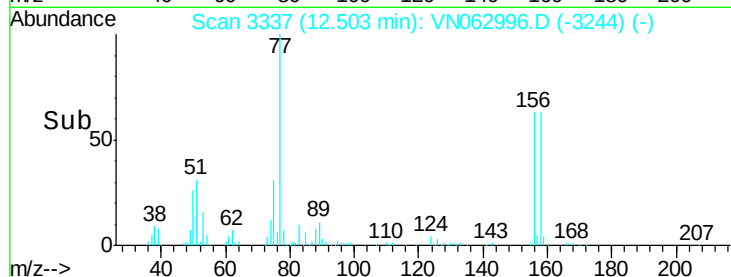
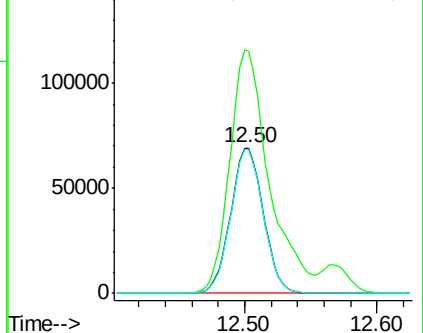
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.057 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062996.D

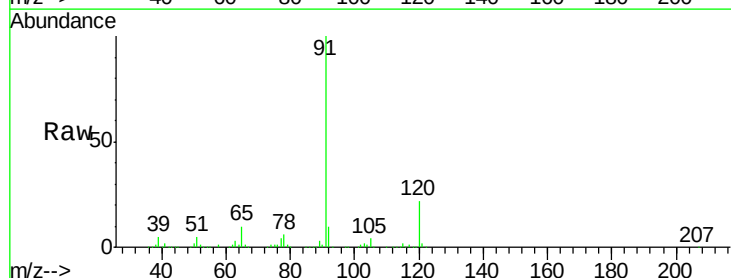
Acq: 18 Aug 2020 19:53

Tgt Ion: 91 Resp: 534878

Ion Ratio Lower Upper

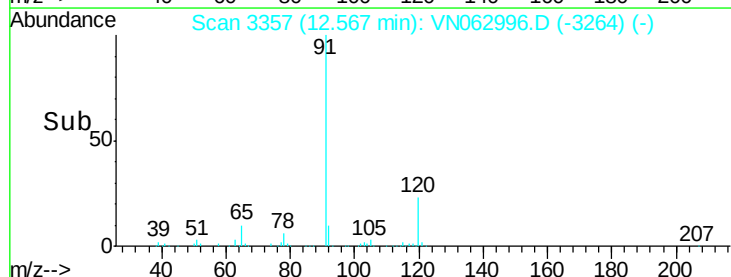
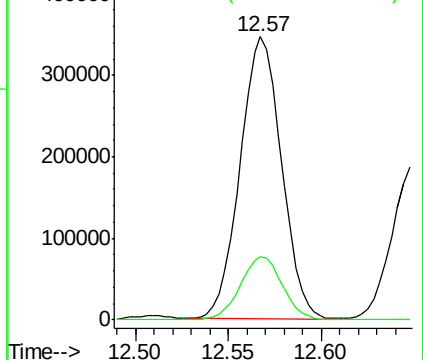
91 100

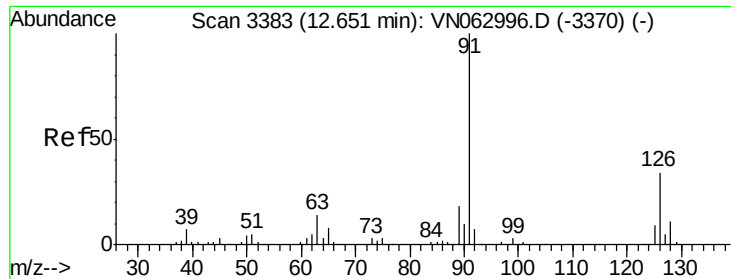
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.864 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 316560

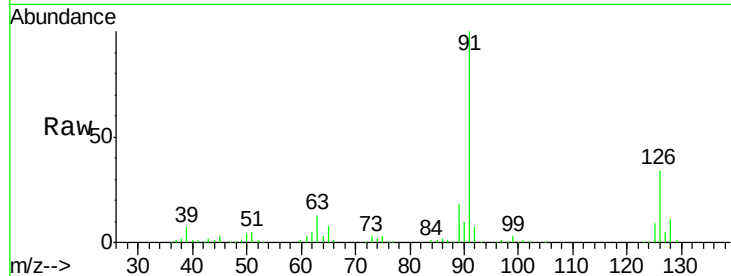
Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2

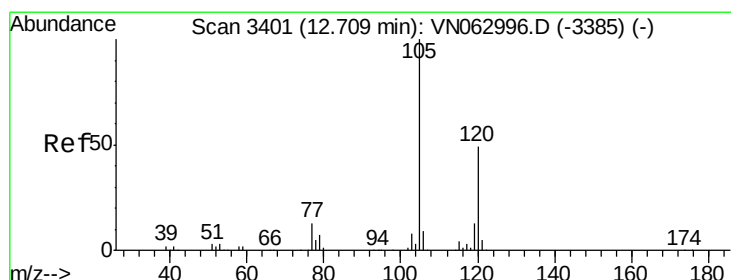
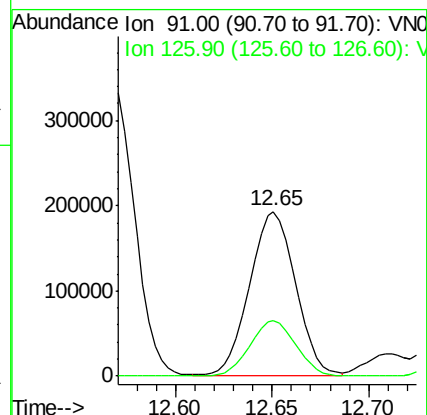
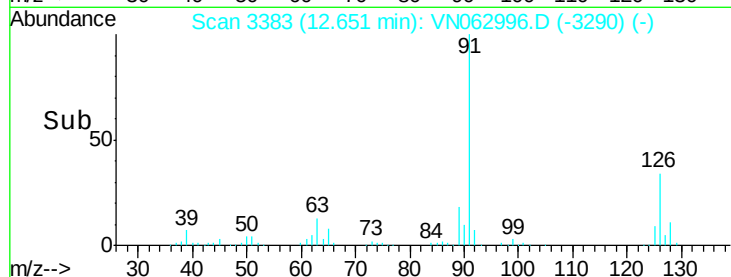
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Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062996.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.479 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062996.D

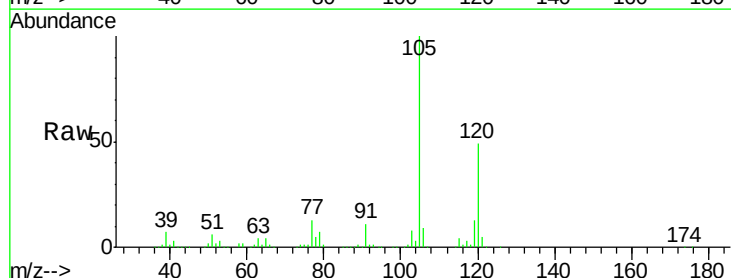
Acq: 18 Aug 2020 19:53

Tgt Ion: 105 Resp: 390945

Ion Ratio Lower Upper

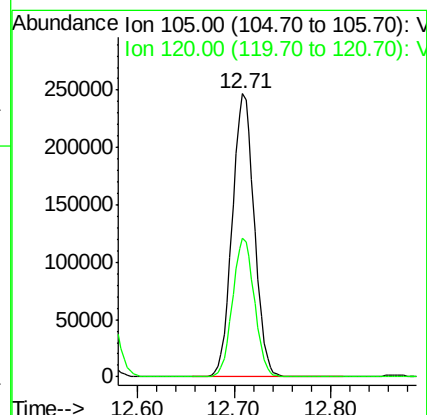
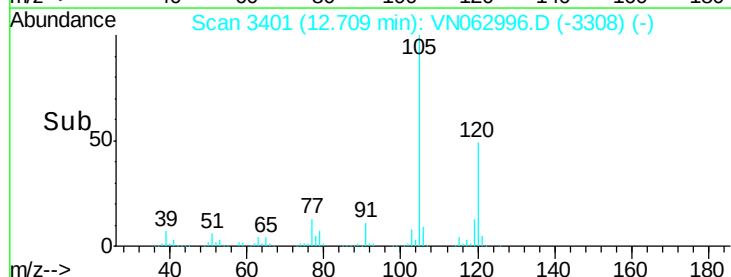
105 100

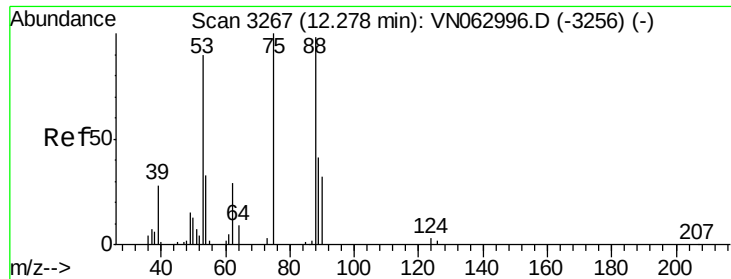
120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN062996.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062996.D (-3385) (-)





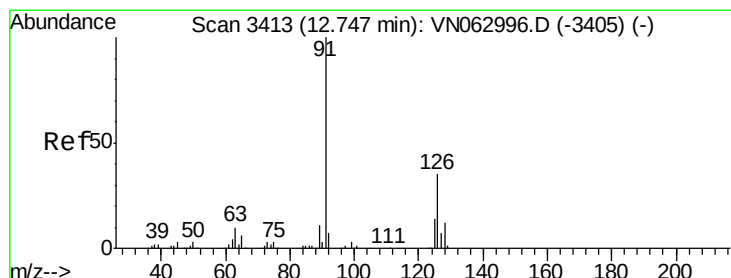
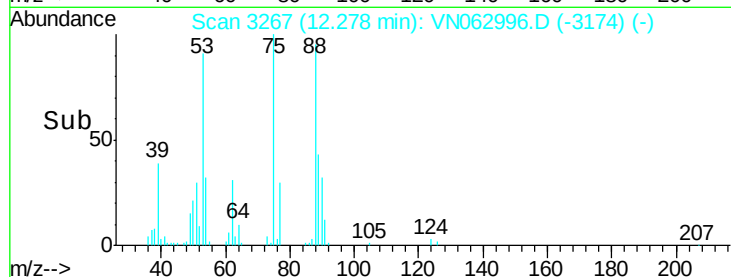
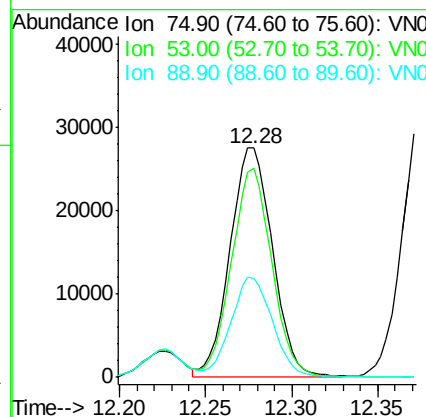
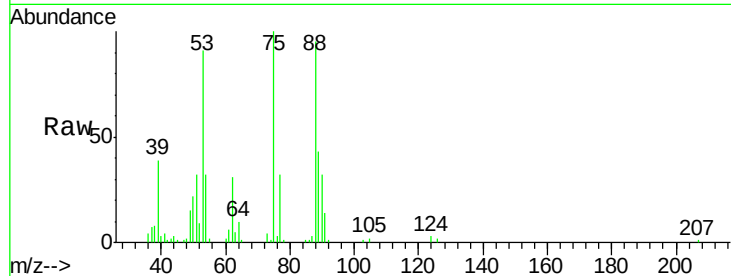
#81
trans-1,4-Dichloro-2-butene
Concen: 52.998 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	69.2	103.8
89	42.8	34.2	51.4

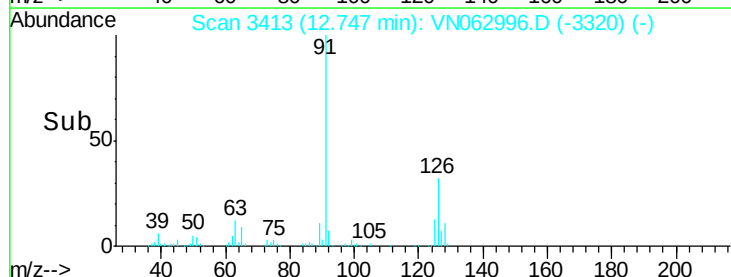
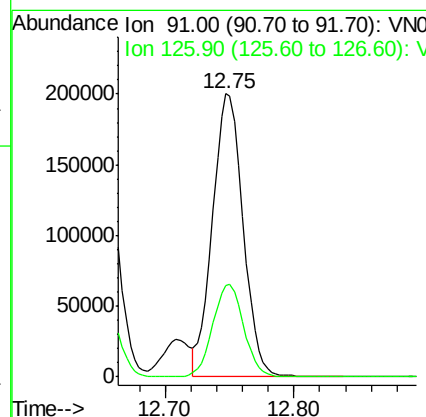
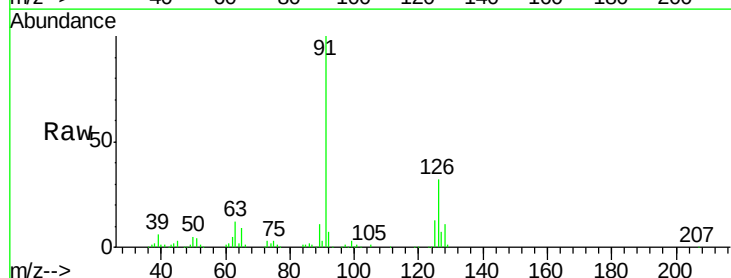
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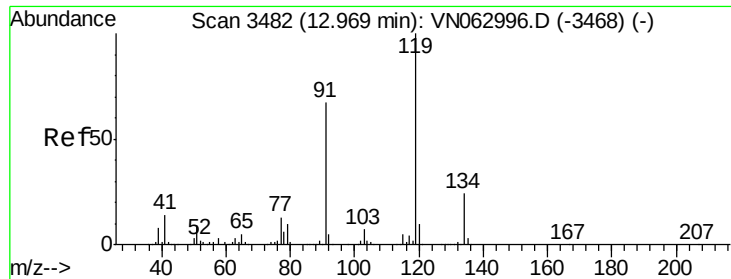
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#82
4-Chlorotoluene
Concen: 51.785 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





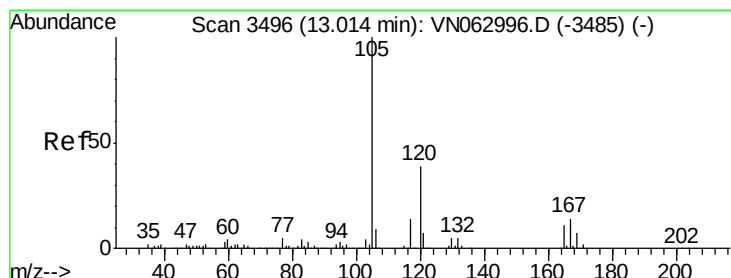
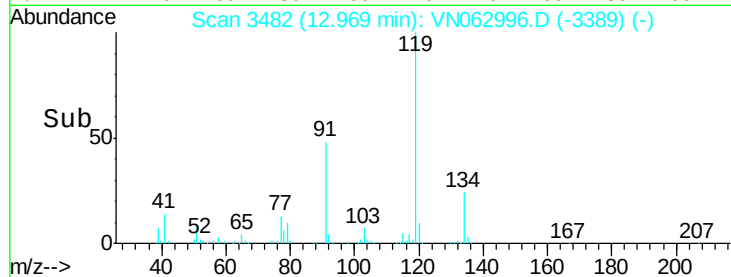
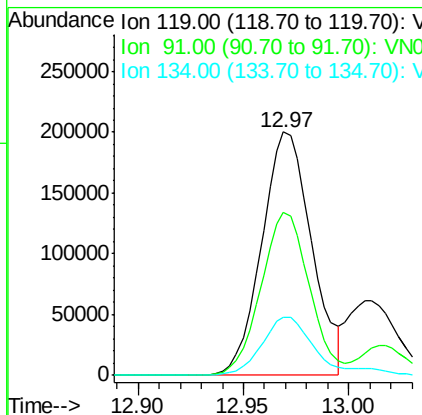
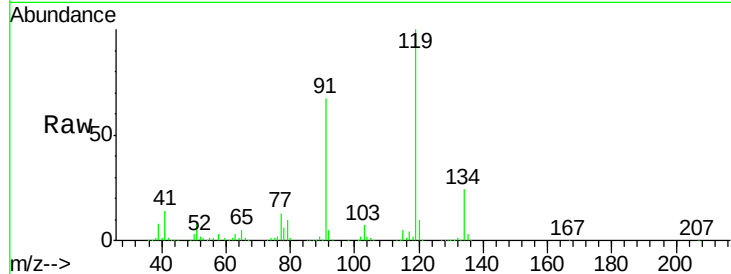
#83
 tert-Butylbenzene
 Concen: 53.278 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	329990		
91	64.9		32.5	97.4
134	26.2		13.1	39.3

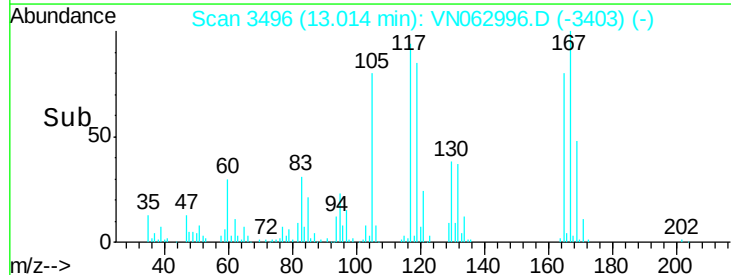
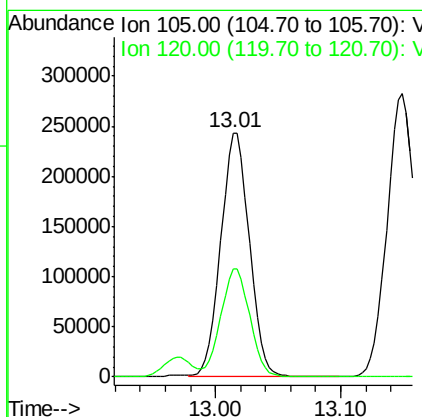
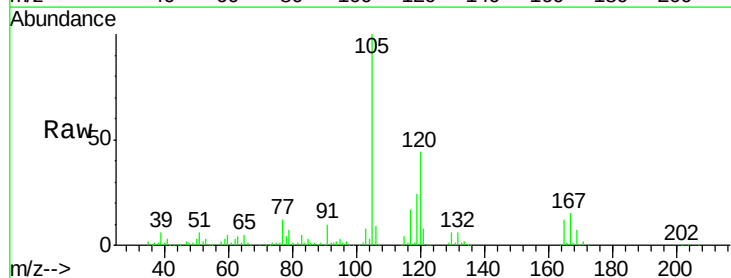
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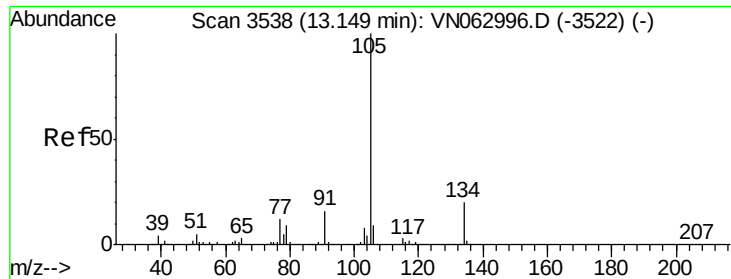
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.860 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	383525		
120	45.0		22.5	67.5





#85

sec-Butylbenzene

Concen: 53.680 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 449340

Ion Ratio Lower Upper

105 100

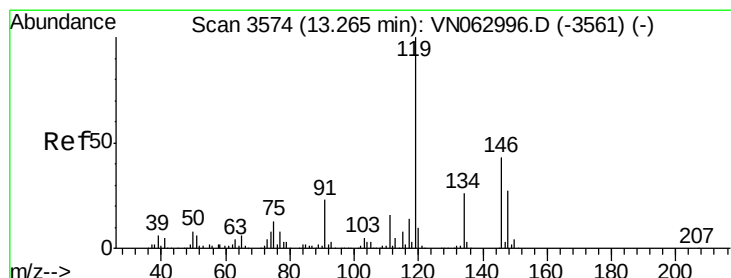
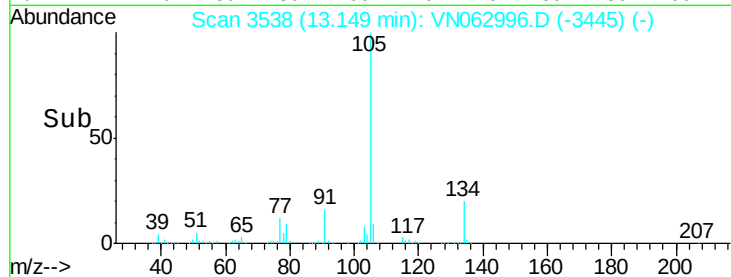
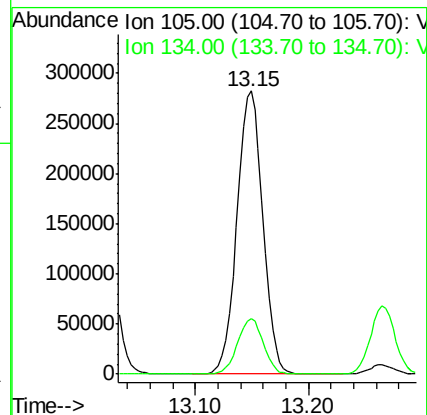
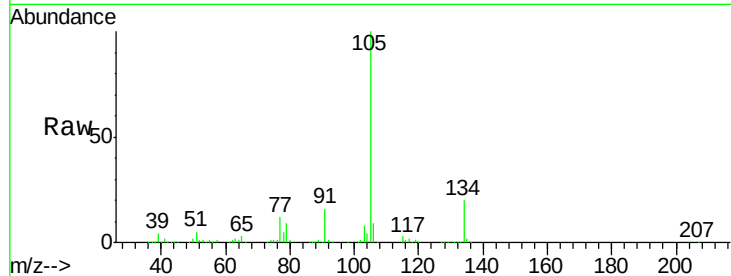
134 19.6 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.625 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062996.D

Acq: 18 Aug 2020 19:53

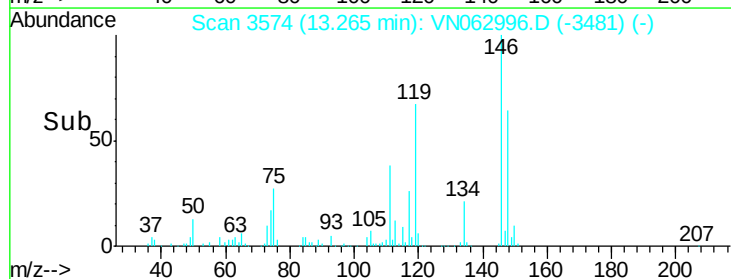
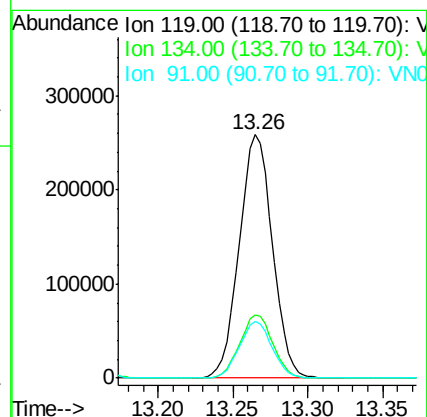
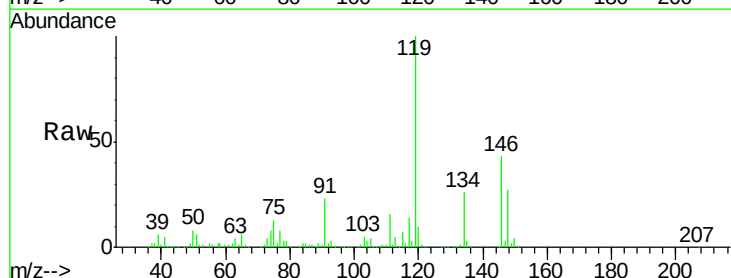
Tgt Ion:119 Resp: 398416

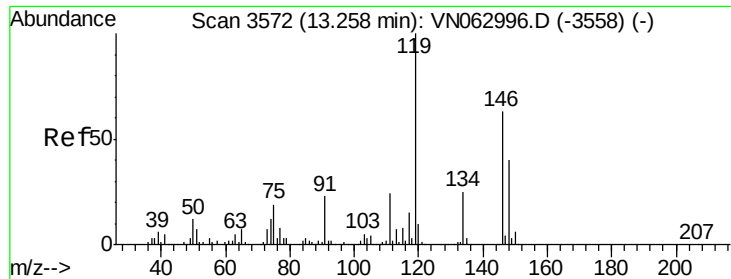
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 22.9 11.5 34.4





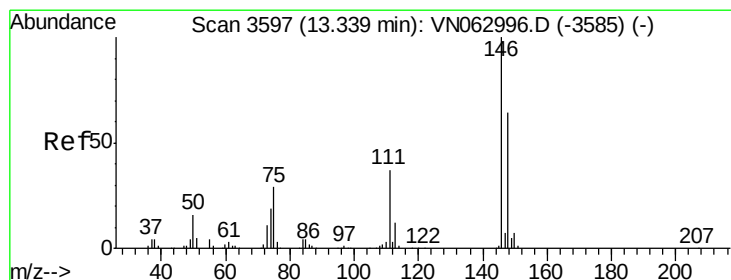
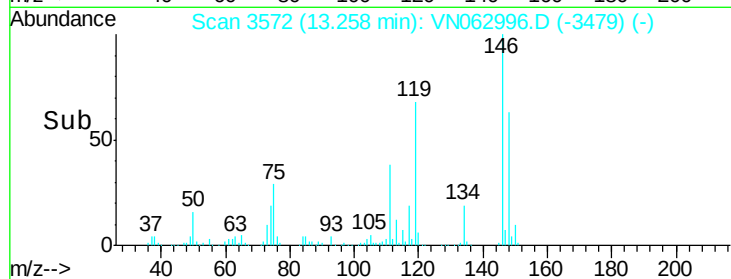
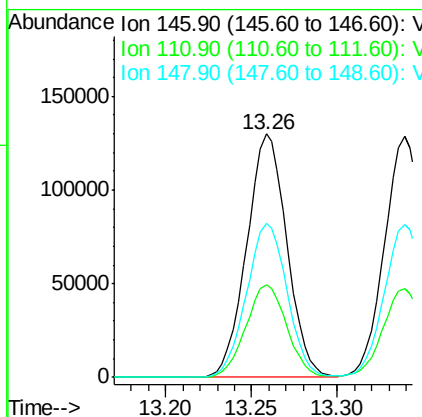
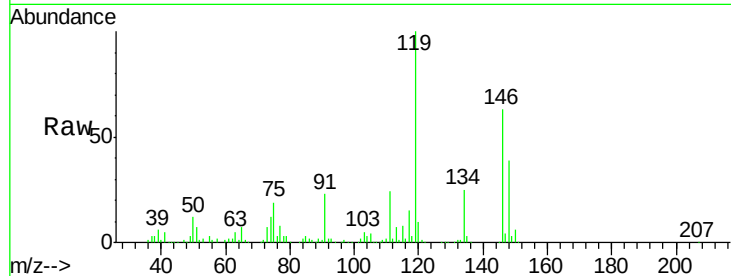
#87
 1,3-Dichlorobenzene
 Concen: 51.222 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	210169		
111	38.7	19.4	58.1	
148	64.0	32.0	96.0	

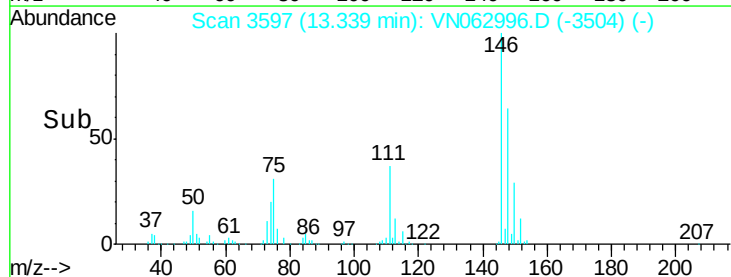
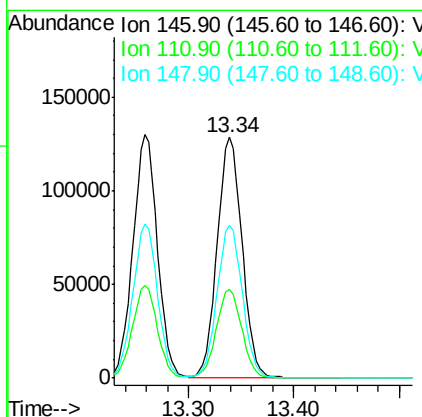
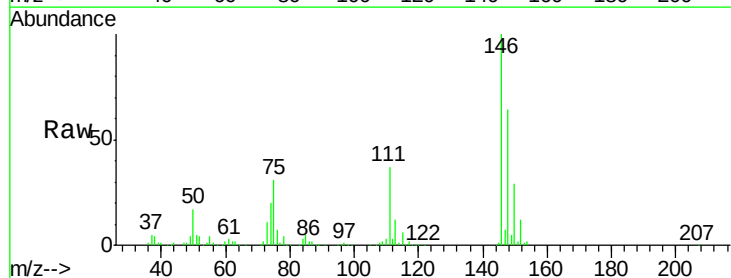
Manual Integrations
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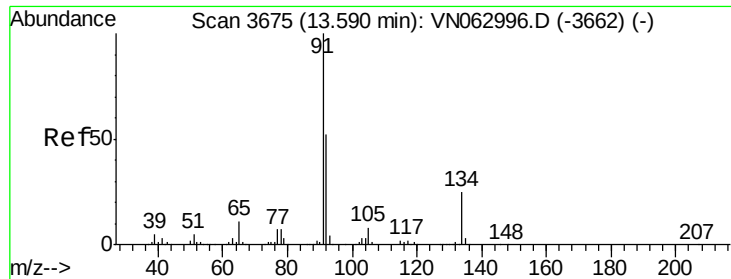
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#88
 1,4-Dichlorobenzene
 Concen: 50.520 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210393		
111	37.6	18.8	56.4	
148	64.7	32.4	97.0	





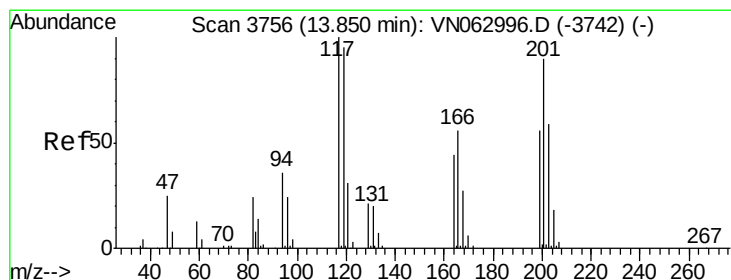
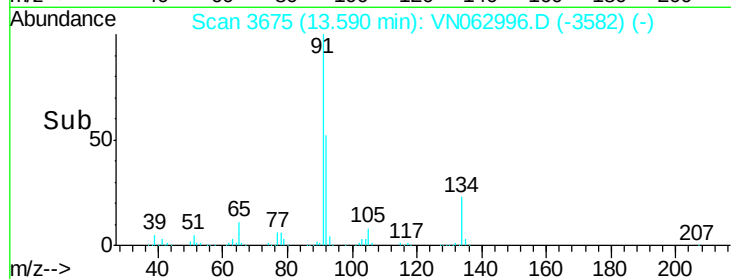
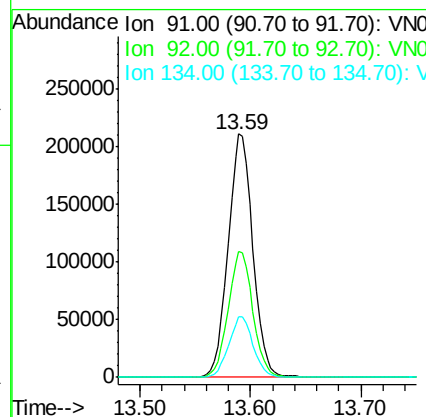
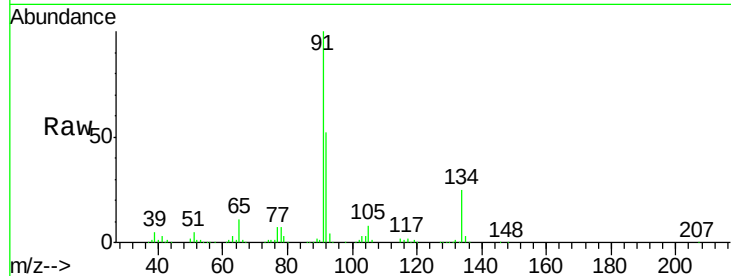
#89
n-Butylbenzene
Concen: 53.236 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.9	77.6
134	24.7	12.4	37.0

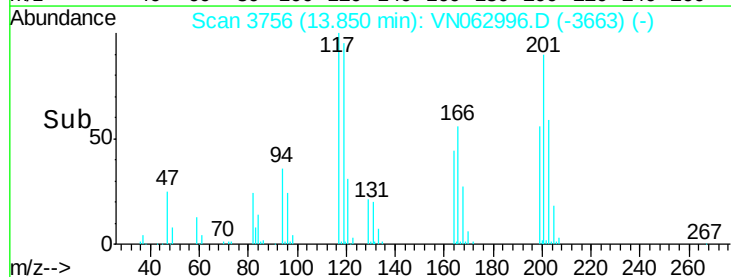
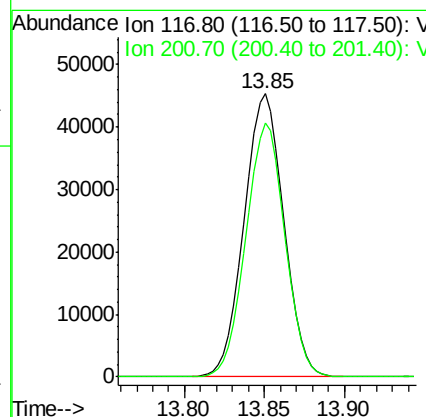
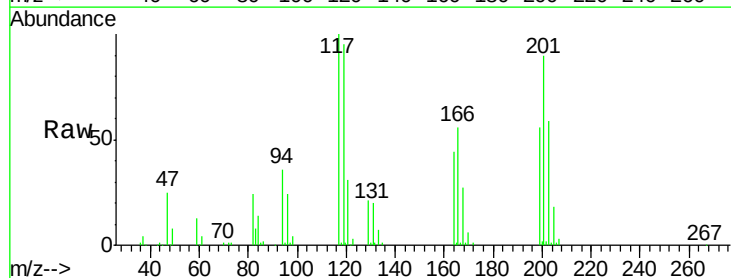
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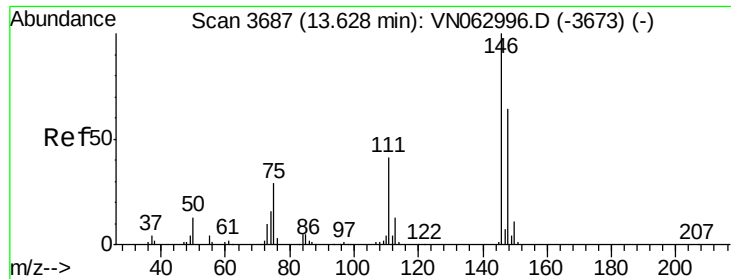
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#90
Hexachloroethane
Concen: 49.361 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	44.1	132.4





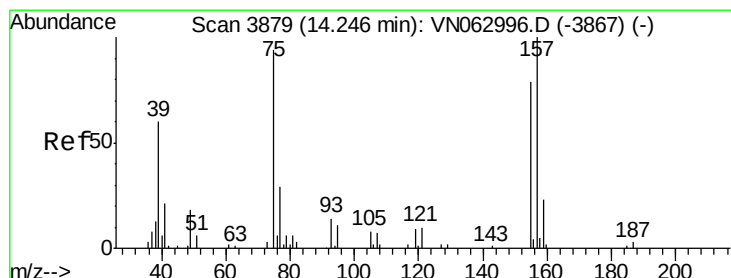
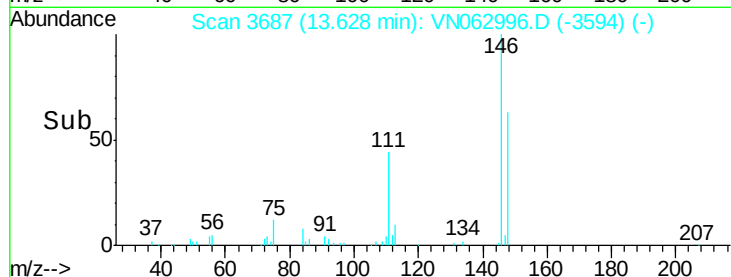
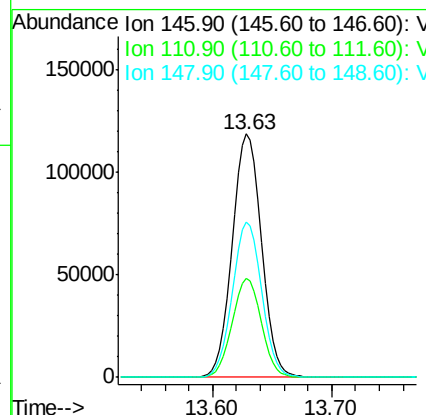
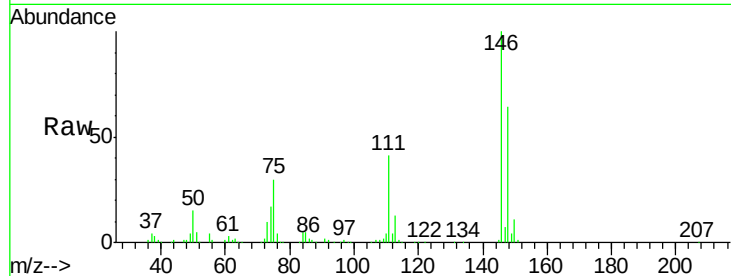
#91
 1,2-Dichlorobenzene
 Concen: 51.228 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.7	31.9	95.5

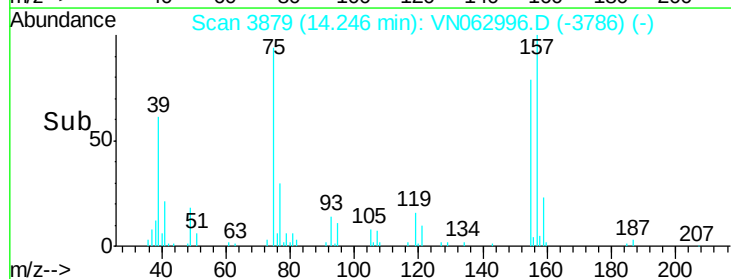
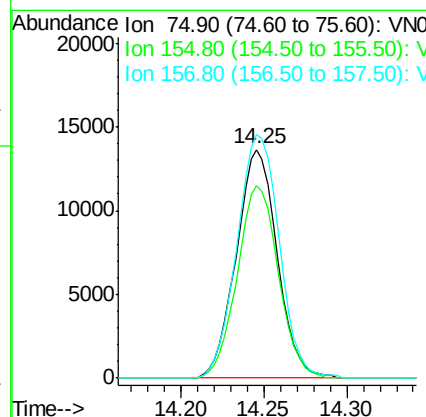
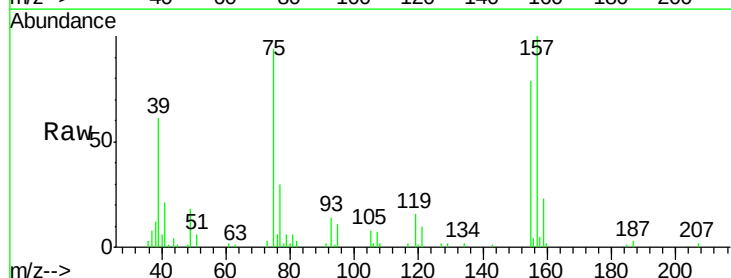
Manual Integrations
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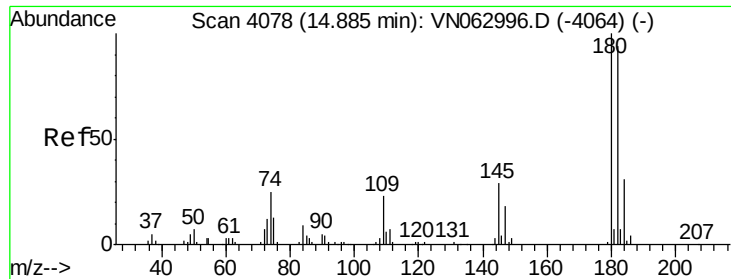
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.496 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	42.4	127.1
157	110.4	55.2	165.6





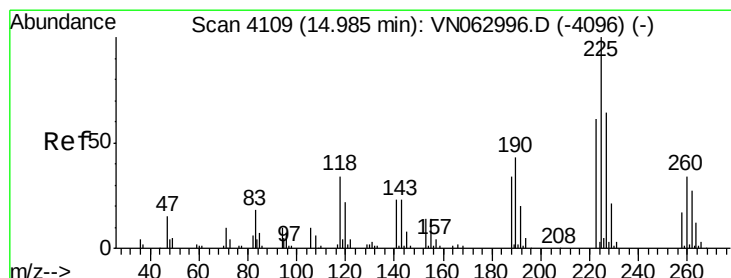
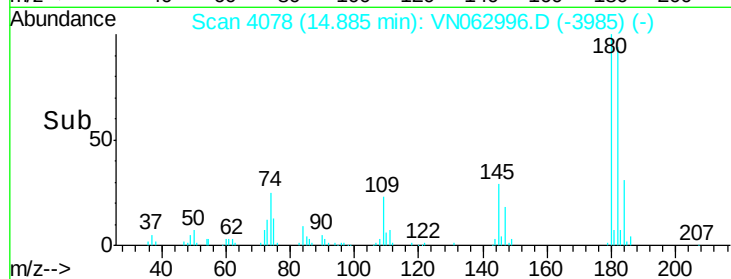
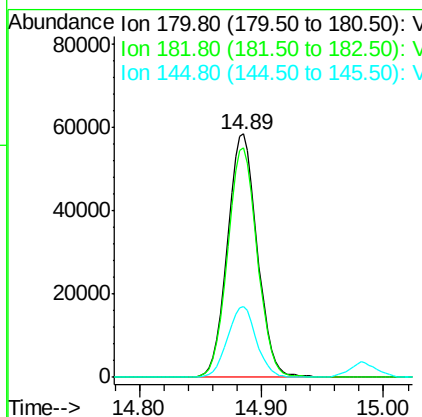
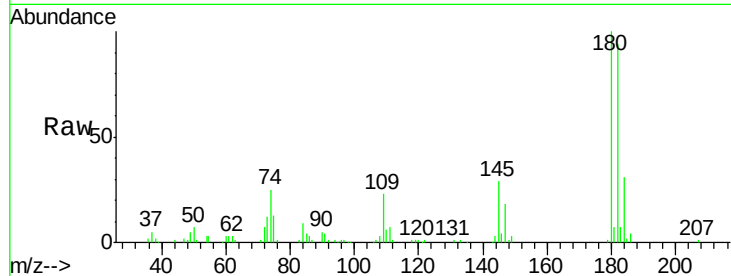
#93
 1,2,4-Trichlorobenzene
 Concen: 57.318 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.2
145	28.3	14.1	42.4

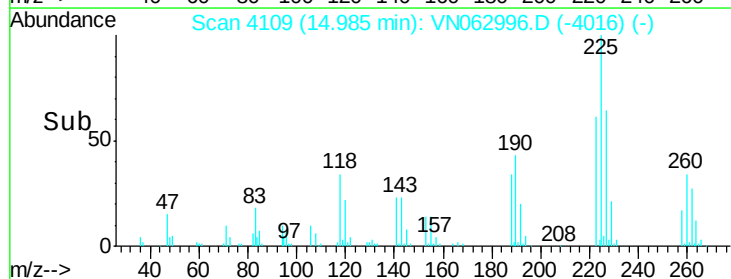
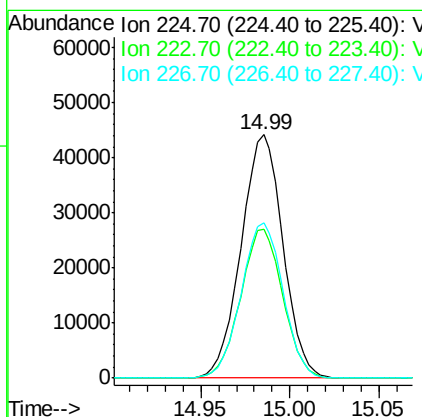
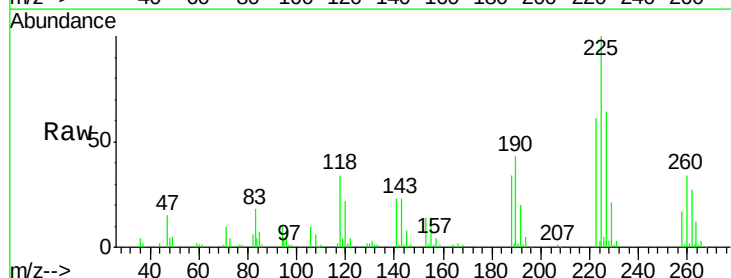
Manual Integrations
 APPROVED

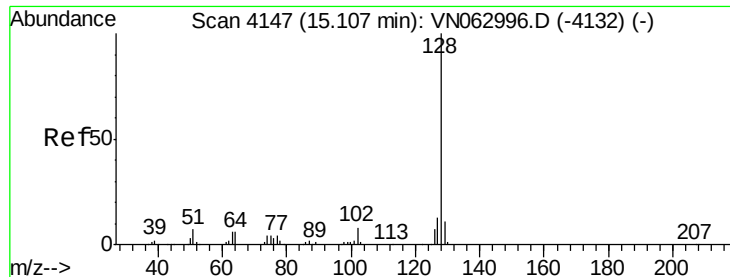
MMDadoda
 8/19/2020 5:46:13 PM



#94
 Hexachlorobutadiene
 Concen: 49.284 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062996.D
 Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.5
227	63.9	31.9	95.9





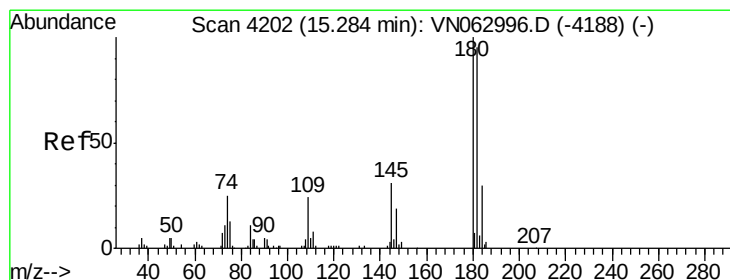
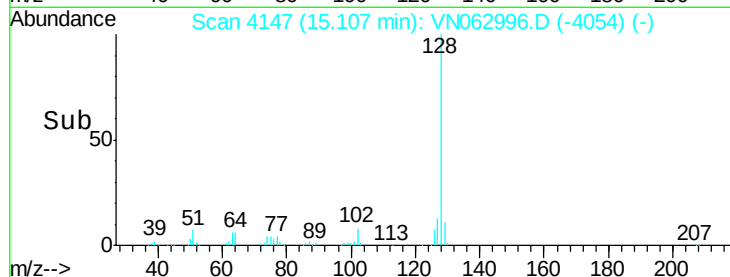
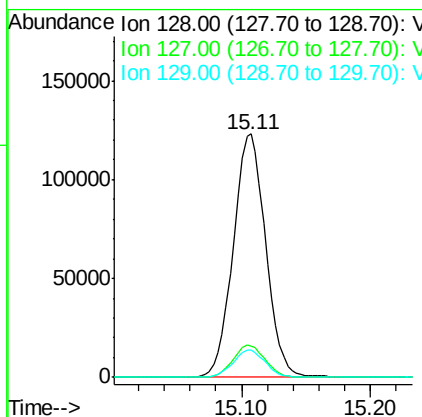
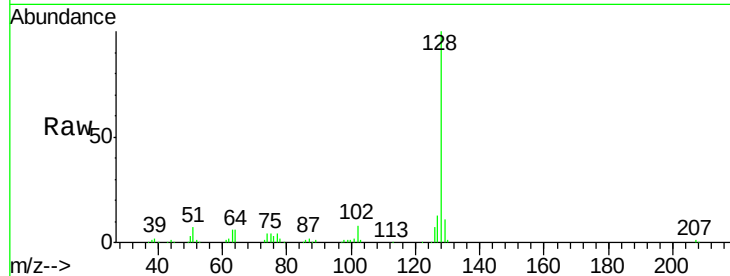
#95
Naphthalene
Concen: 55.557 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	214602		
127	13.3	10.6	16.0	
129	11.1	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
8/19/2020 5:46:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.224 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062996.D
Acq: 18 Aug 2020 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	97783		
182	94.6	47.3	141.9	
145	31.1	15.6	46.7	

