

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062059.D
 Acq On : 24 Jun 2020 10:54
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 6:10:10 PM

Quant Time: Jun 24 11:28:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 11:12:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	270980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	473377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	448231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	172060	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
35) Dibromofluoromethane	7.55	113	140636	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
50) Toluene-d8	10.06	98	565517	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.38	95	192319	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	143321	47.251	ug/l	100
3) Chloromethane	2.03	50	181879	48.954	ug/l	100
4) Vinyl Chloride	2.16	62	222709	50.225	ug/l	100
5) Bromomethane	2.52	94	143977	42.964	ug/l	100
6) Chloroethane	2.66	64	155109	51.203	ug/l	100
7) Trichlorofluoromethane	2.98	101	249264	47.397	ug/l	100
8) Diethyl Ether	3.37	74	95612	52.853	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	142814	51.687	ug/l	100
10) Methyl Iodide	3.91	142	172601	57.249	ug/l	100
11) Tert butyl alcohol	4.73	59	129735	254.956	ug/l	100
12) 1,1-Dichloroethene	3.69	96	143415	51.889	ug/l	100
13) Acrolein	3.56	56	130440	374.559	ug/l	100
14) Allyl chloride	4.27	41	204176	55.008	ug/l	100
15) Acrylonitrile	4.93	53	358080	281.823	ug/l	100
16) Acetone	3.77	43	302018	272.120	ug/l	100
17) Carbon Disulfide	4.00	76	435435	53.547	ug/l	100
18) Methyl Acetate	4.27	43	134674	44.412	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	477310	51.854	ug/l	100
20) Methylene Chloride	4.50	84	171869	48.785	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	163054	51.399	ug/l	100
22) Diisopropyl ether	5.90	45	451580	53.249	ug/l	100
23) Vinyl Acetate	5.84	43	1930791	286.341	ug/l	100
24) 1,1-Dichloroethane	5.80	63	285309	51.667	ug/l	100
25) 2-Butanone	6.78	43	449311	280.375	ug/l	100
26) 2,2-Dichloropropane	6.78	77	244053	52.256	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	184474	50.478	ug/l	100
28) Bromochloromethane	7.15	49	124428	50.420	ug/l	100
29) Tetrahydrofuran	7.17	42	298648	282.710	ug/l	100
30) Chloroform	7.33	83	293161	49.976	ug/l	100
31) Cyclohexane	7.61	56	242707	50.131	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	250104	50.136	ug/l	100
36) 1,1-Dichloropropene	7.75	75	222510	51.420	ug/l	100
37) Ethyl Acetate	6.88	43	190292	55.509	ug/l	100
38) Carbon Tetrachloride	7.73	117	211018	49.516	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	250173	53.663	ug/l	100
40) Benzene	8.00	78	684812	51.989	ug/l	100
41) Methacrylonitrile	7.12	41	83542	55.927	ug/l	100
42) 1,2-Dichloroethane	8.09	62	232783	51.883	ug/l	100
43) Isopropyl Acetate	8.13	43	309460	53.917	ug/l	100
44) Trichloroethene	8.80	130	168632	49.107	ug/l	100
45) 1,2-Dichloropropane	9.09	63	169604	52.458	ug/l	100
46) Dibromomethane	9.18	93	115572	51.065	ug/l	100
47) Bromodichloromethane	9.37	83	238247	51.254	ug/l	100
48) Methyl methacrylate	9.17	41	142101	54.187	ug/l	100
49) 1,4-Dioxane	9.17	88	66727	1105.829	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	947970	277.734	ug/l	100
52) Toluene	10.12	92	440898	53.430	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	265189	53.425	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	284627	52.907	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	171273	52.694	ug/l	100
56) Ethyl methacrylate	10.40	69	241806	55.573	ug/l	100
57) 1,3-Dichloropropane	10.68	76	288830	52.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	449013	262.067	ug/l	100
59) 2-Hexanone	10.72	43	703806	286.986	ug/l	100
60) Dibromochloromethane	10.87	129	180386	50.183	ug/l	100
61) 1,2-Dibromoethane	10.98	107	174197	51.523	ug/l	100
64) Tetrachloroethene	10.60	164	141464	49.660	ug/l	100
65) Chlorobenzene	11.41	112	461198	48.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	164623	50.093	ug/l	100
67) Ethyl Benzene	11.48	91	827562	52.072	ug/l	100
68) m/p-Xylenes	11.59	106	645363	105.290	ug/l	100
69) o-Xylene	11.92	106	306695	52.576	ug/l	100
70) Styrene	11.94	104	522799	53.529	ug/l	100
71) Bromoform	12.10	173	120925	50.598	ug/l #	100
73) Isopropylbenzene	12.22	105	803592	52.147	ug/l	100
74) N-amyl acetate	12.05	43	279531	55.964	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	254517	50.416	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	232810m	54.188	ug/l	
77) Bromobenzene	12.50	156	192459	49.645	ug/l	100
78) n-propylbenzene	12.57	91	934183	52.901	ug/l	100
79) 2-Chlorotoluene	12.65	91	546619	51.583	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	667303	52.436	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	84612	53.387	ug/l	100
82) 4-Chlorotoluene	12.75	91	568826	52.006	ug/l	100
83) tert-Butylbenzene	12.97	119	561636	52.053	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	667442	53.201	ug/l	100
85) sec-Butylbenzene	13.15	105	746119	52.686	ug/l	100
86) p-Isopropyltoluene	13.26	119	669524	53.257	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	346291	49.231	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	346246	48.105	ug/l	100
89) n-Butylbenzene	13.59	91	561863	53.295	ug/l	100
90) Hexachloroethane	13.85	117	123172	53.134	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	334585	49.500	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	44384	54.187	ug/l	100

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ClientSampleId :
VSTDICCC050

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	154659	48.849	ug/l	100
94) Hexachlorobutadiene	14.98	225	62017	49.393	ug/l	100
95) Naphthalene	15.10	128	461410	50.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	158421	50.262	ug/l	100

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

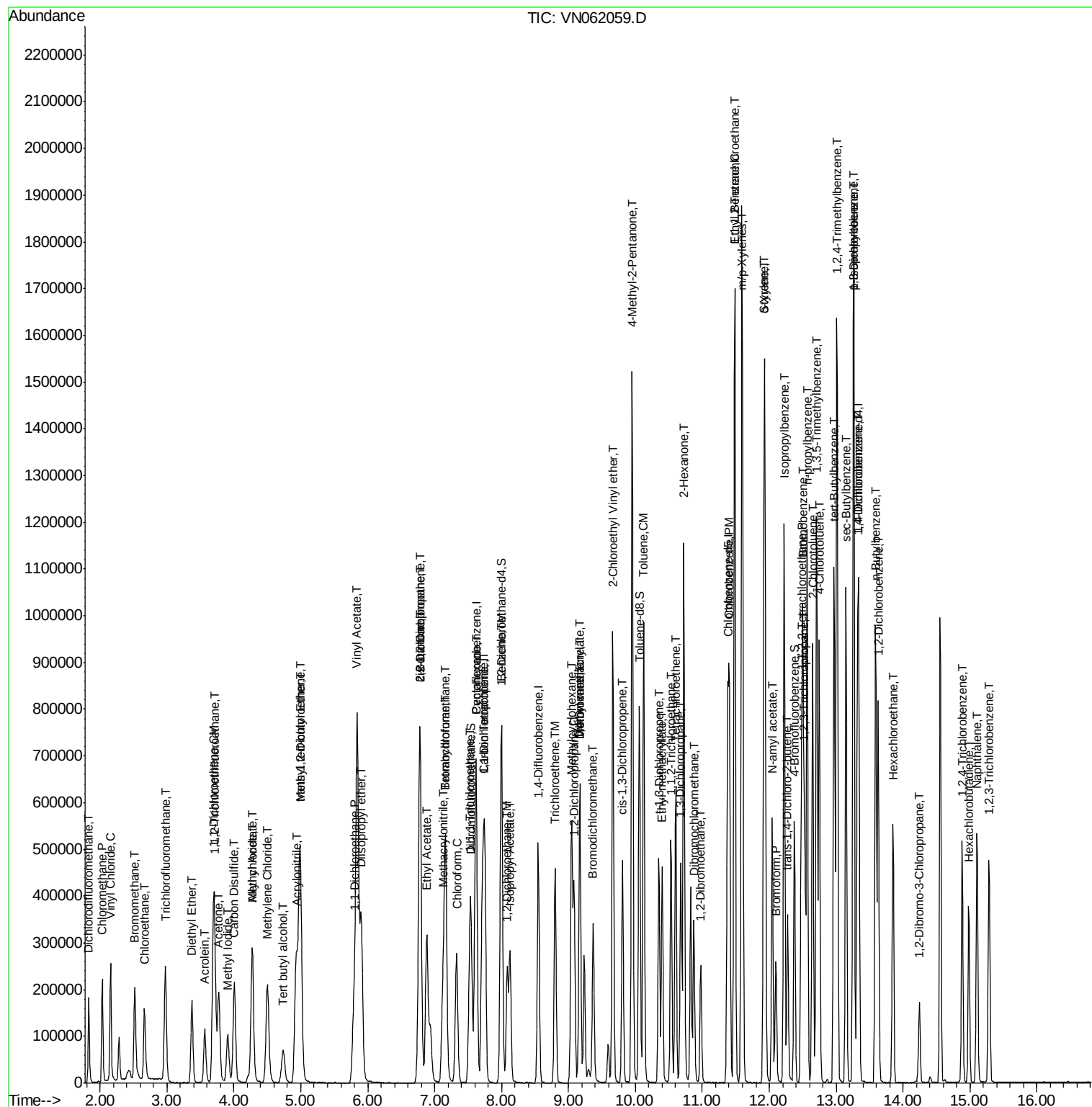
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Data File : VN062059.D
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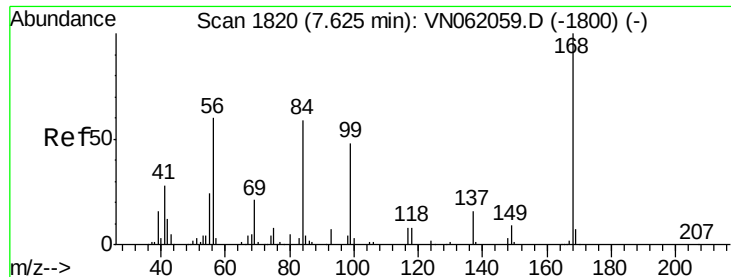
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 270980

Ion Ratio Lower Upper

168 100

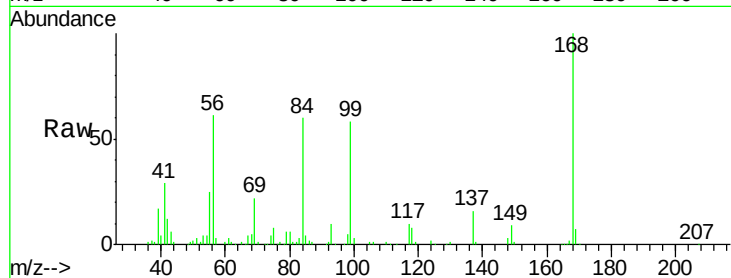
99 57.3 45.8 68.8

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

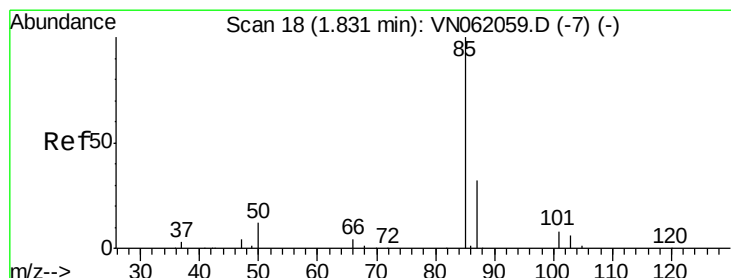
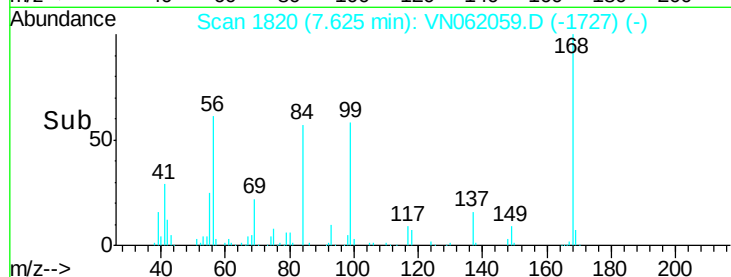
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 47.251 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062059.D

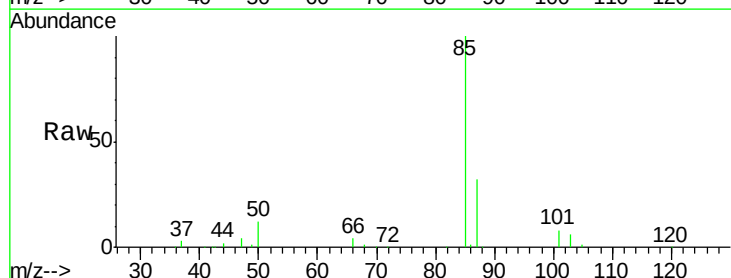
Acq: 24 Jun 2020 10:54

Tgt Ion: 85 Resp: 143321

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

120000

100000

80000

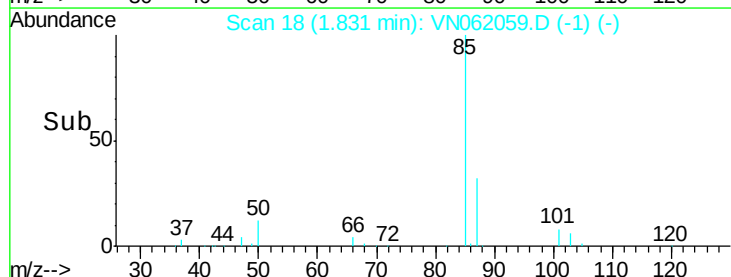
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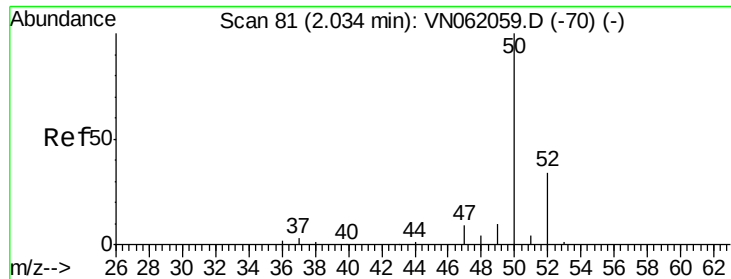
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.954 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 181879

Ion Ratio Lower Upper

50 100

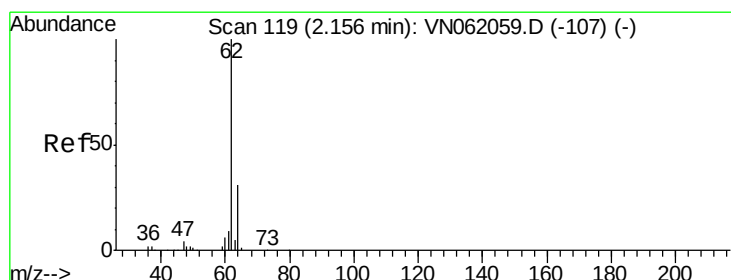
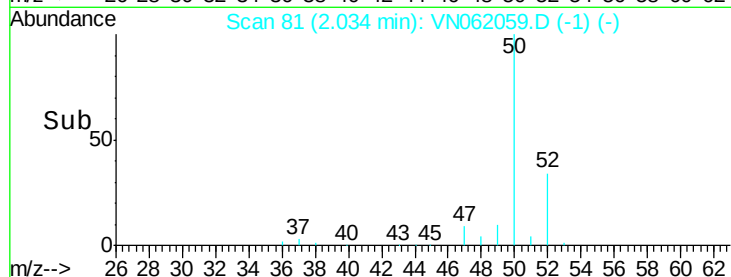
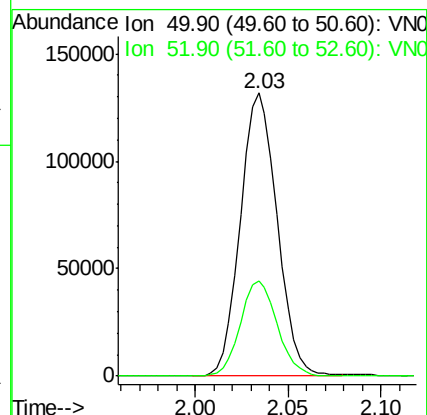
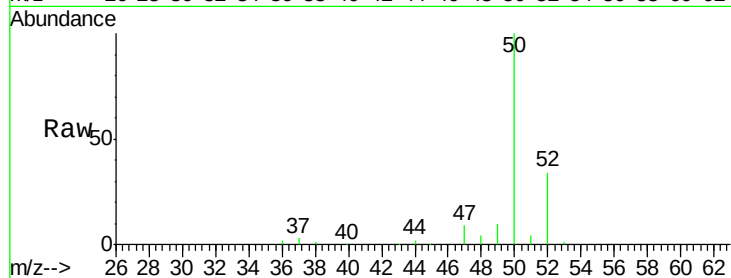
52 33.8 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.225 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062059.D

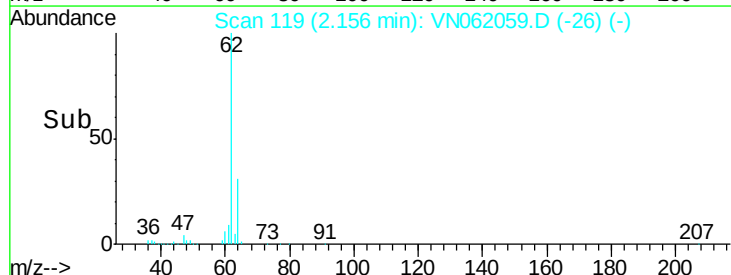
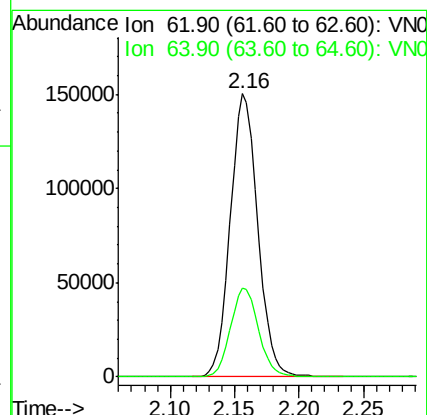
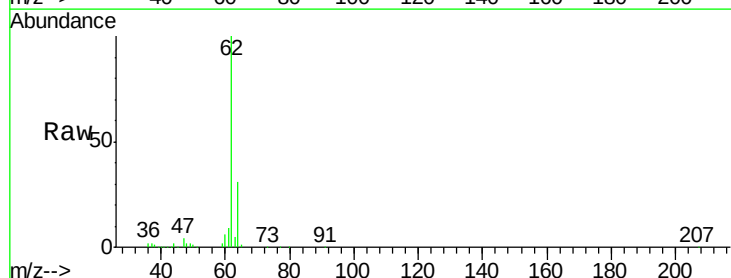
Acq: 24 Jun 2020 10:54

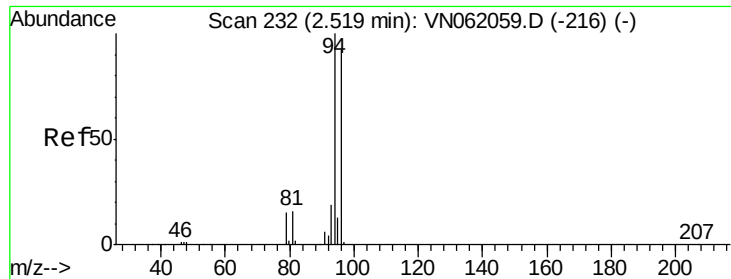
Tgt Ion: 62 Resp: 222709

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 42.964 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 143977

Ion Ratio Lower Upper

94 100

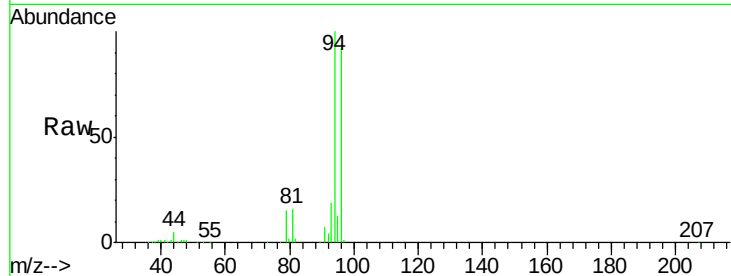
96 91.8 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

80000

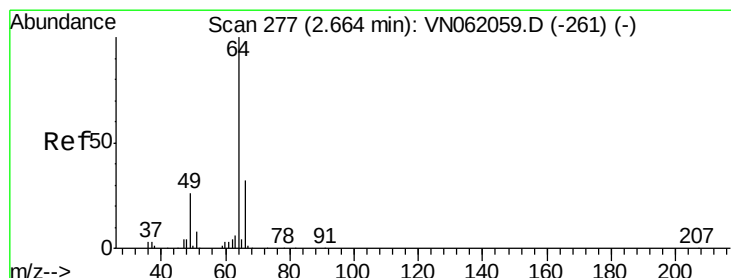
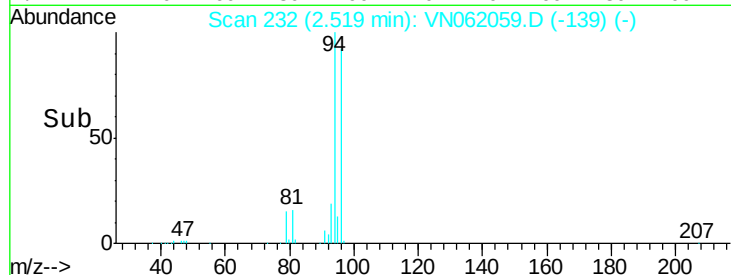
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.203 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062059.D

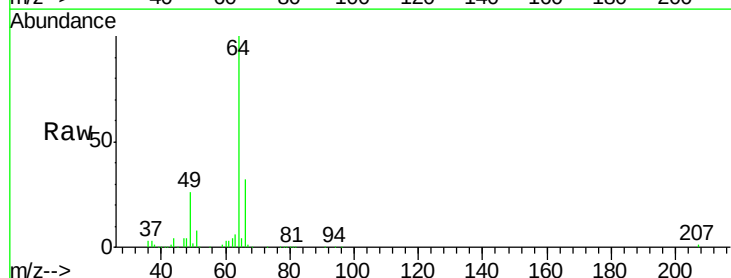
Acq: 24 Jun 2020 10:54

Tgt Ion: 64 Resp: 155109

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

80000

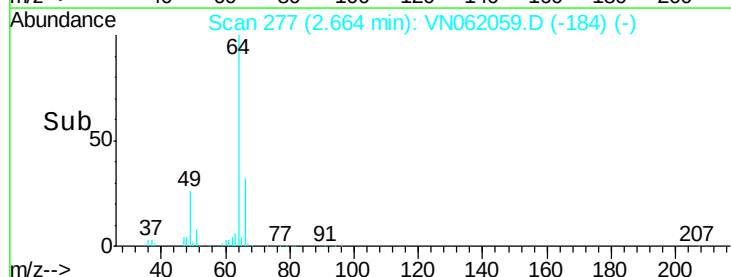
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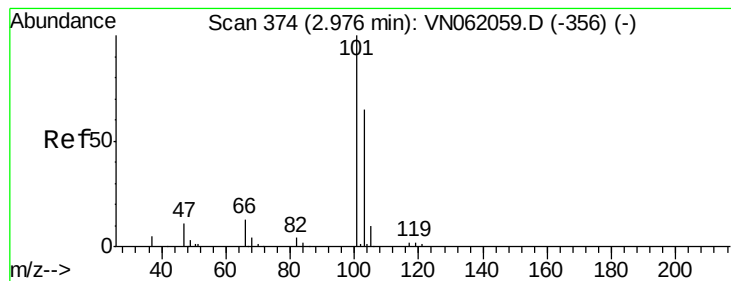
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Time-->





#7

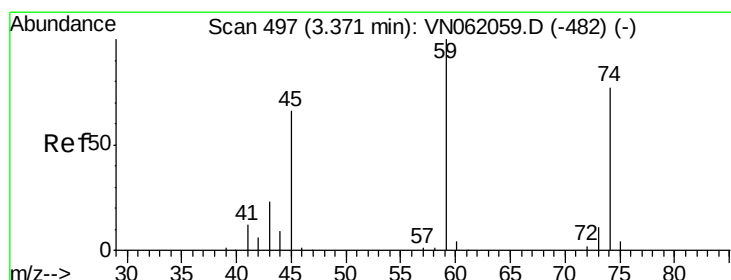
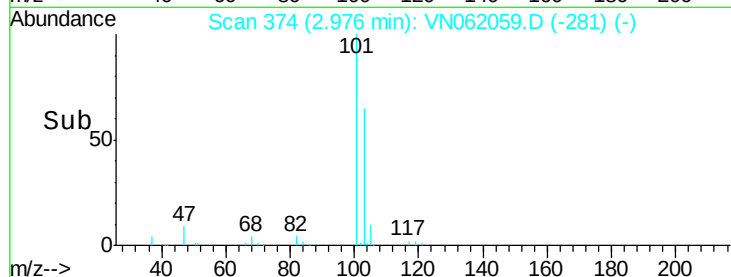
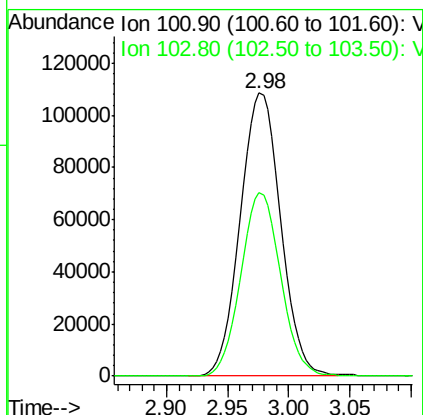
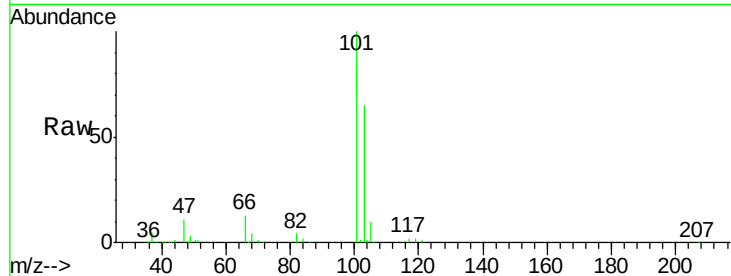
Trichlorofluoromethane
Concen: 47.397 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

Manual Integrations
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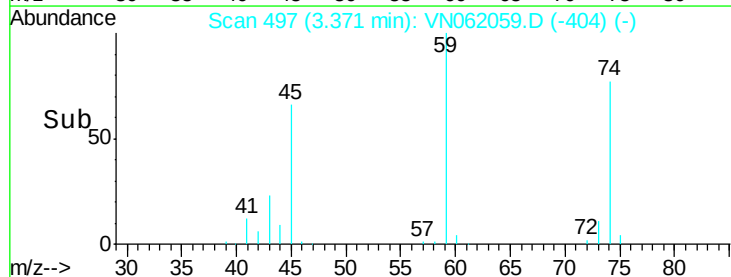
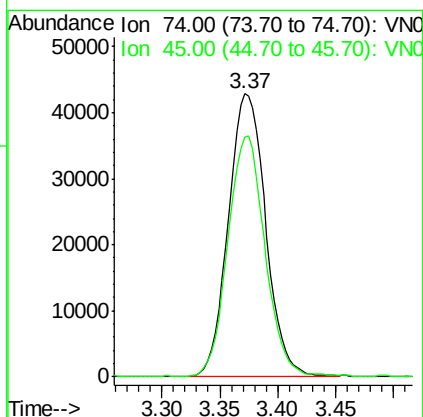
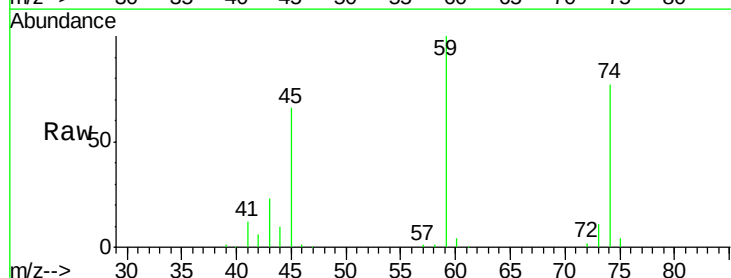
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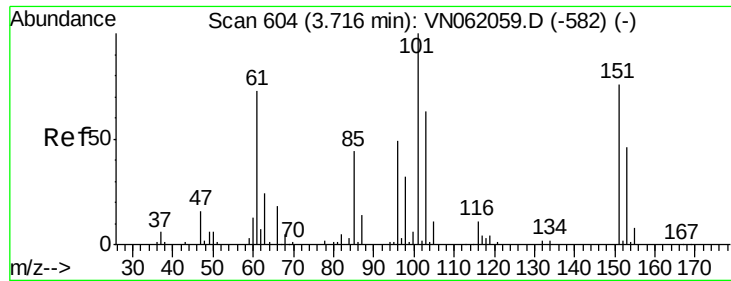


#8

Diethyl Ether
Concen: 52.853 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.0	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.687 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

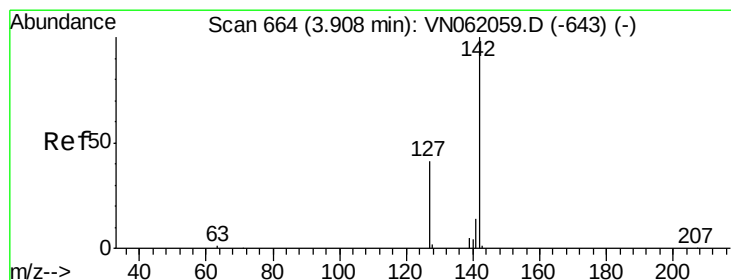
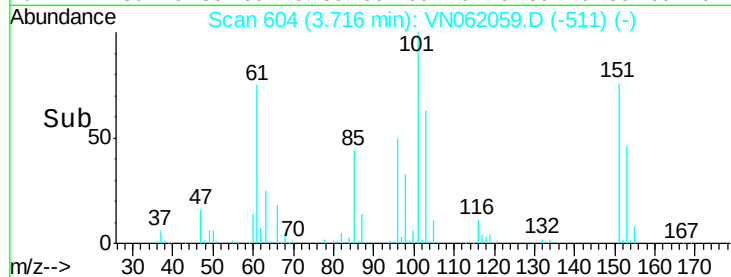
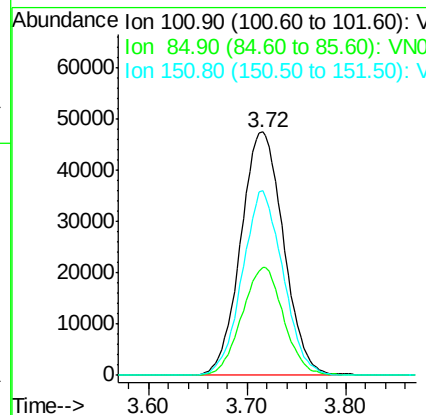
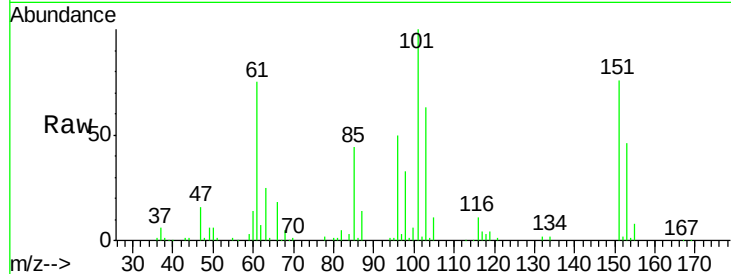
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	142814
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.5	51.7
151	72.3	57.8	86.8

Manual Integrations
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MMDadoda
6/25/2020 6:10:10 PM



#10

Methyl Iodide

Concen: 57.249 ug/l

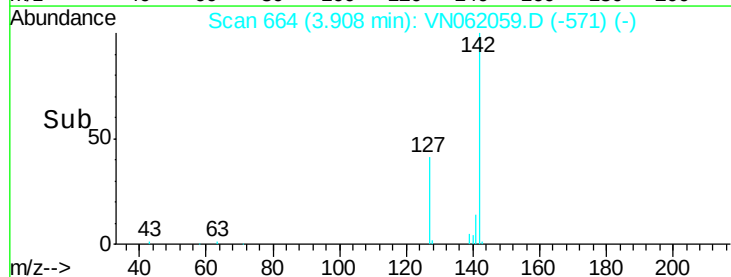
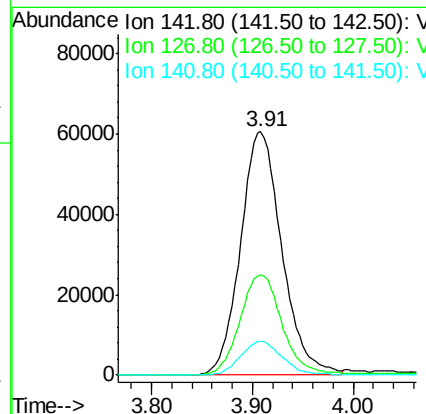
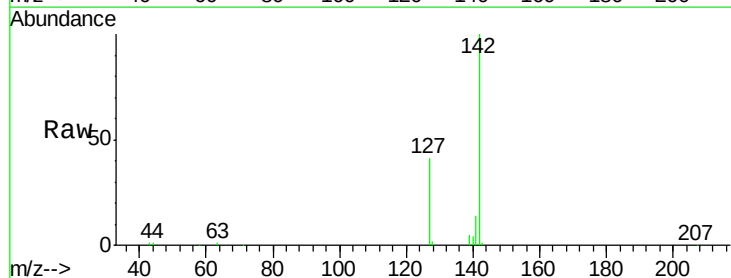
RT: 3.91 min Scan# 664

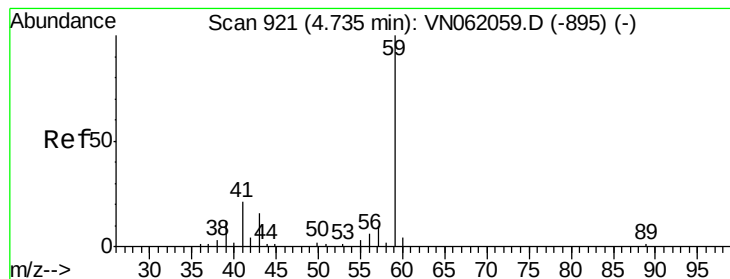
Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Tgt Ion:	142	Resp:	172601
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.6	50.4
141	14.1	11.3	16.9





#11

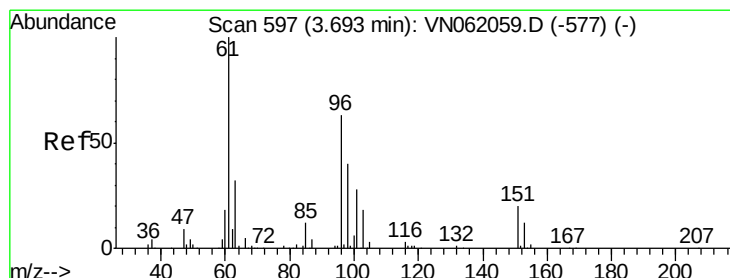
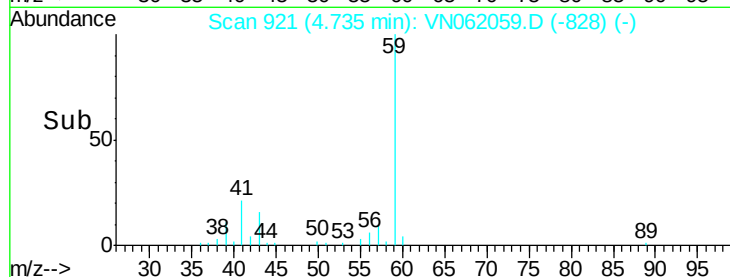
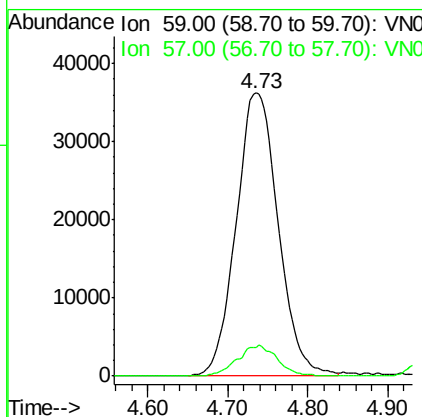
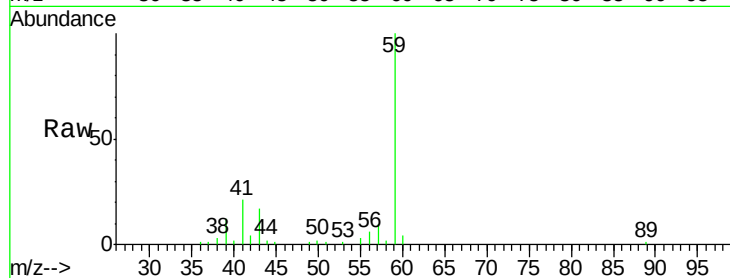
Tert butyl alcohol
 Concen: 254.956 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
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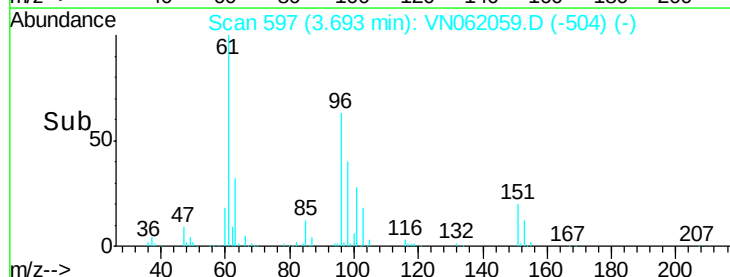
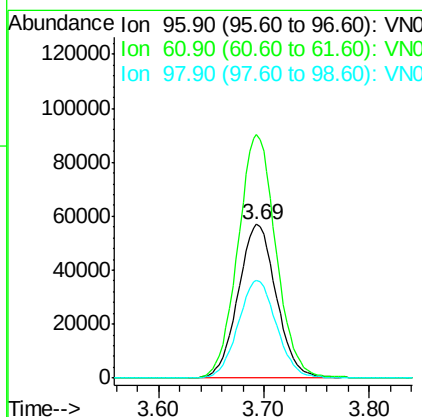
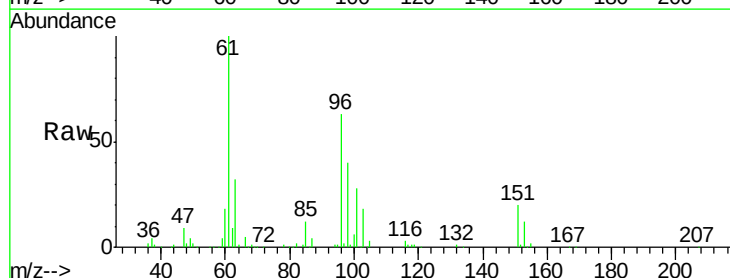
MMDadoda
 6/25/2020 6:10:10 PM

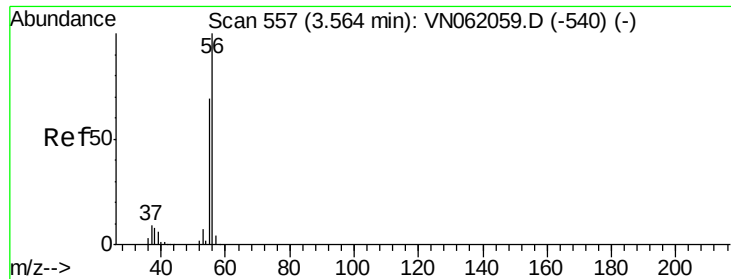


#12

1,1-Dichloroethene
 Concen: 51.889 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	126.7	190.1
98	63.7	51.0	76.4





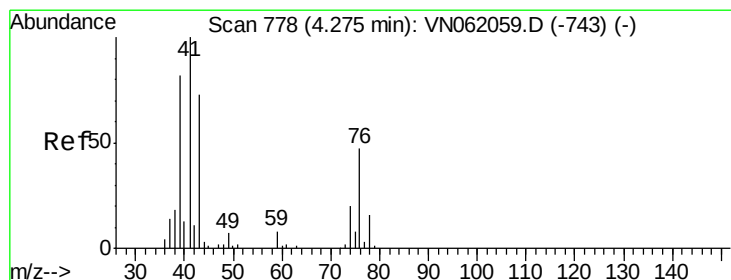
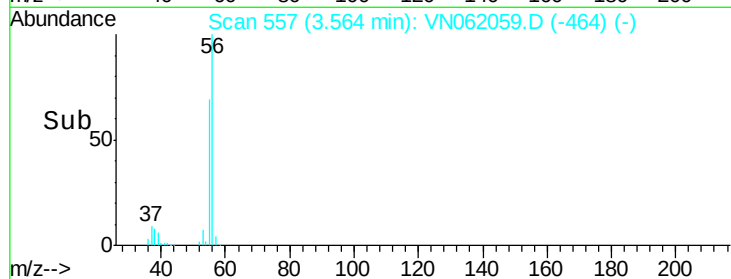
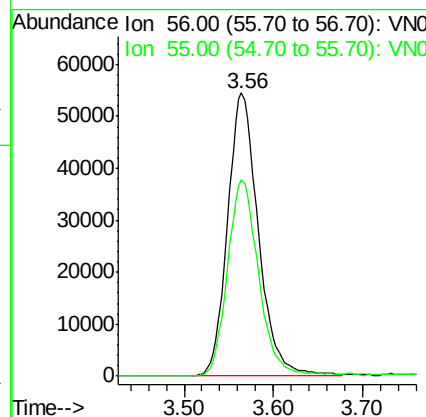
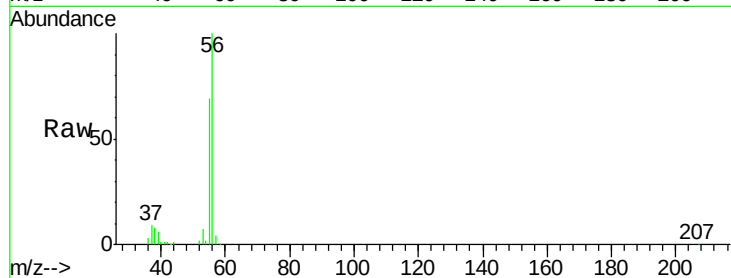
#13
Acrolein
Concen: 374.559 ug/l
RT: 3.56 min Scan# 557
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	55.5	83.3

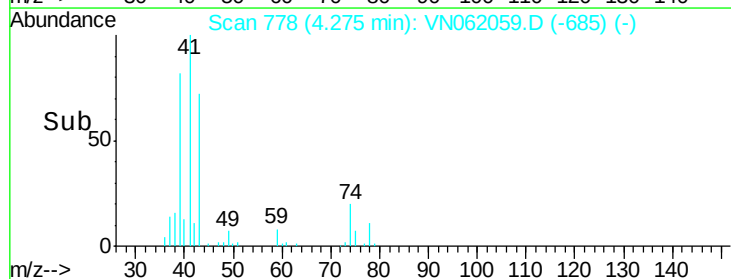
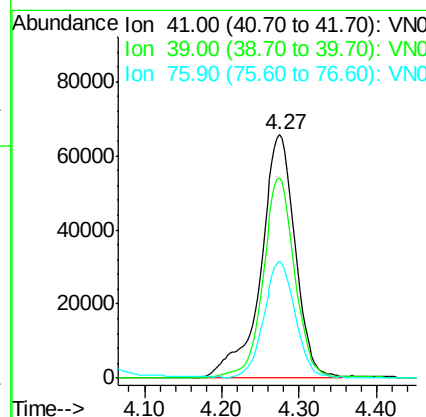
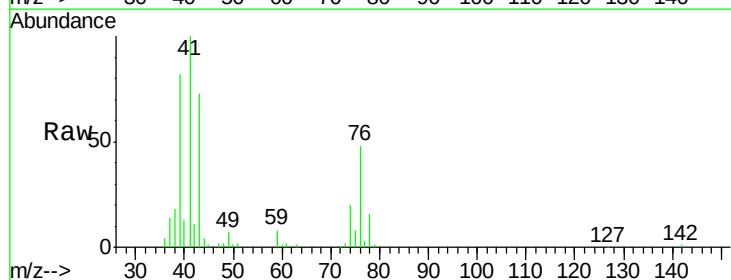
Manual Integrations
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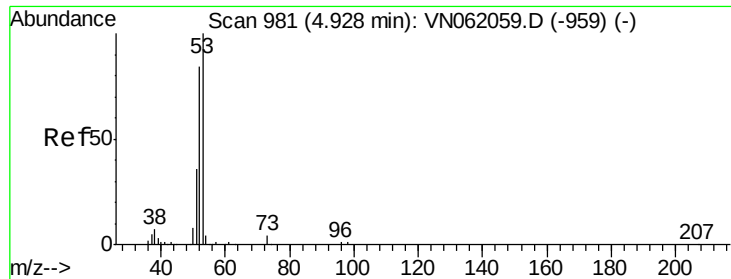
MMDadoda
6/25/2020 6:10:10 PM



#14
Allyl chloride
Concen: 55.008 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.0	90.0
76	42.6	34.1	51.1





#15

Acrylonitrile

Concen: 281.823 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

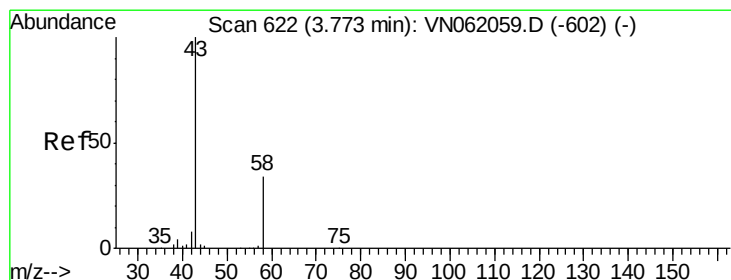
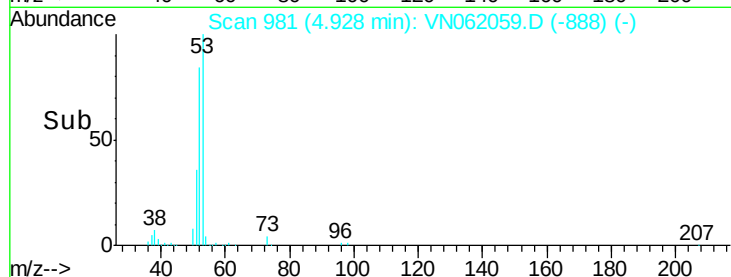
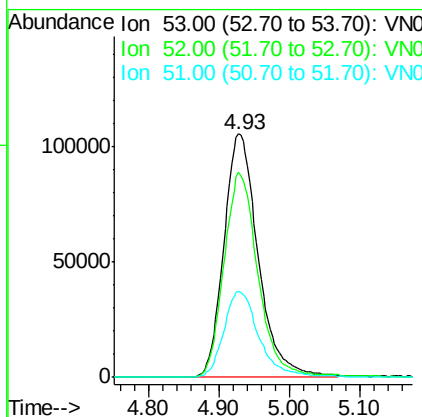
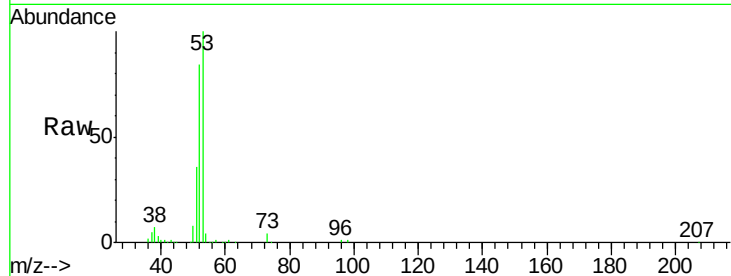
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	358080
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.1	28.9	43.3

Manual Integrations
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6/25/2020 6:10:10 PM



#16

Acetone

Concen: 272.120 ug/l

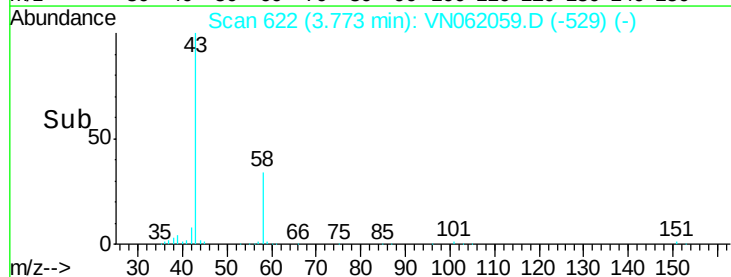
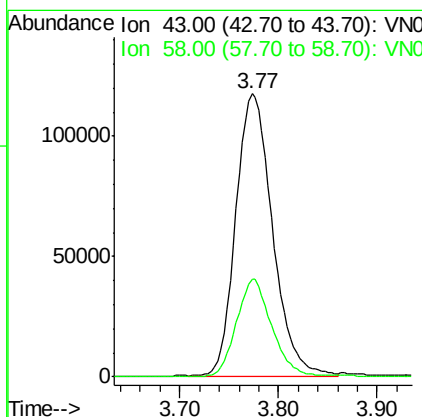
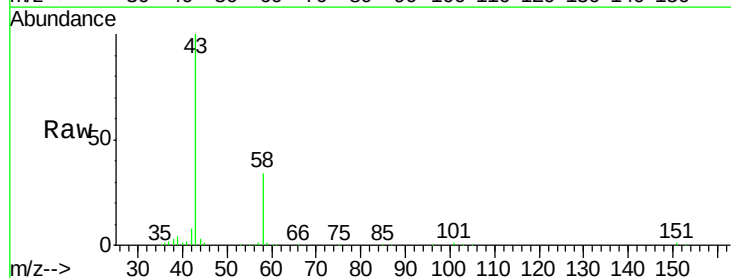
RT: 3.77 min Scan# 622

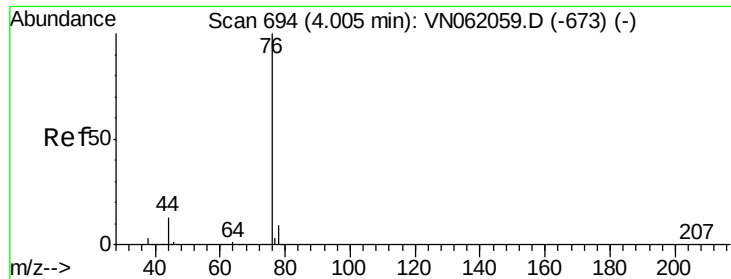
Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Tgt Ion:	43	Resp:	302018
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.5	41.3





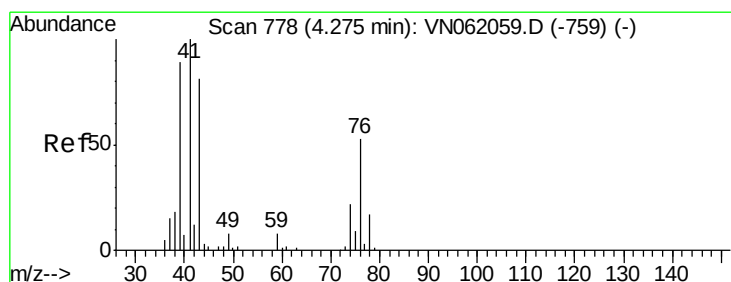
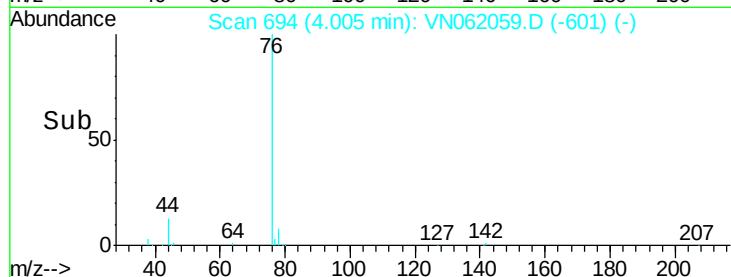
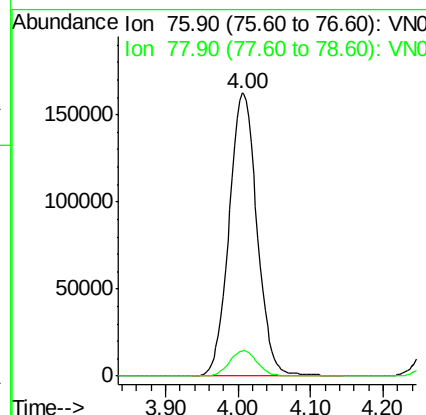
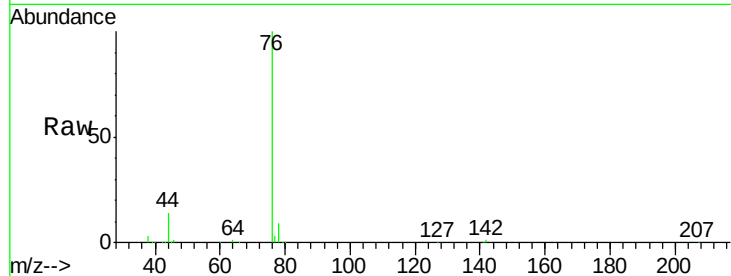
#17
Carbon Disulfide
Concen: 53.547 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

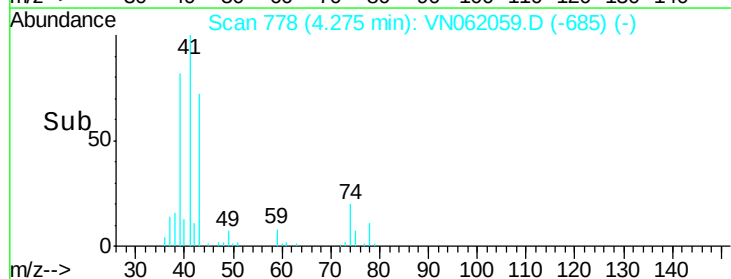
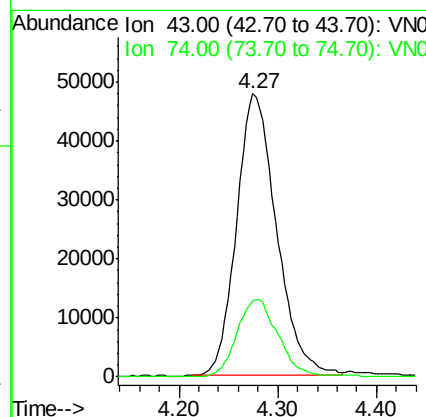
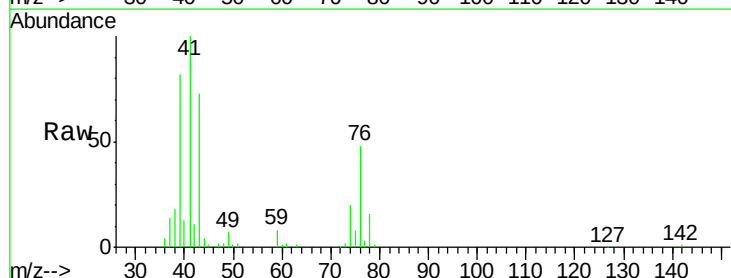
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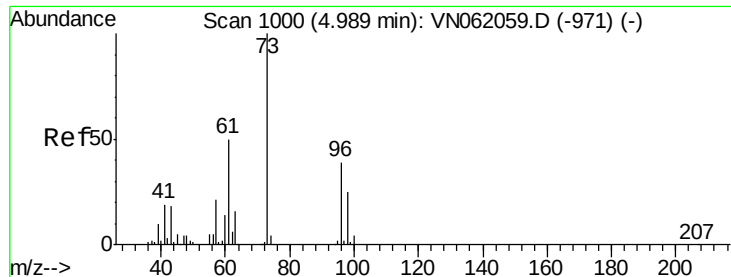
MMDadoda
6/25/2020 6:10:10 PM



#18
Methyl Acetate
Concen: 44.412 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.6	22.9	34.3





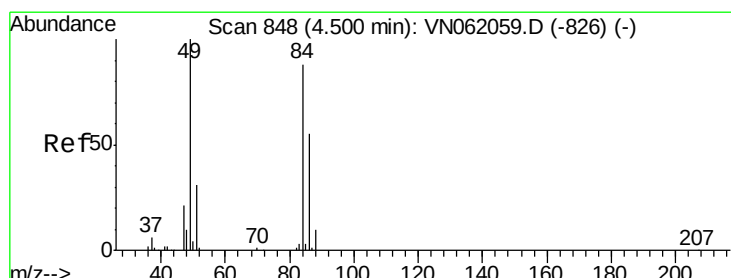
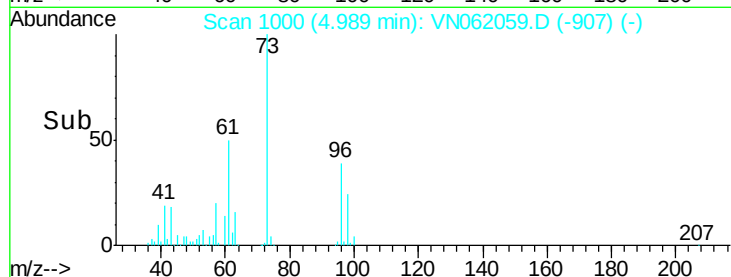
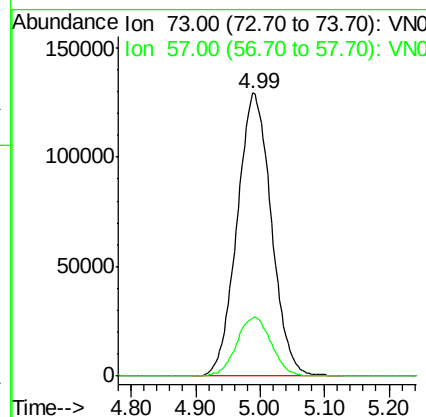
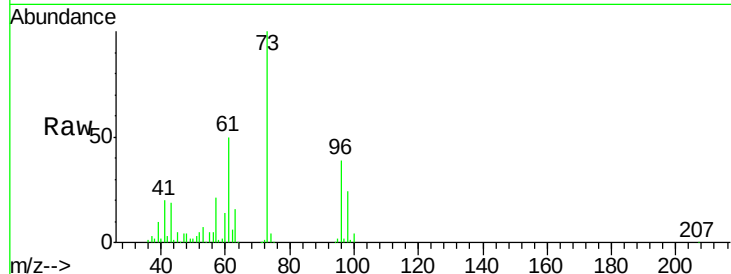
#19
Methvl tert-butvl Ether
Concen: 51.854 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 477310
Ion Ratio Lower Upper
73 100
57 20.7 16.6 24.8

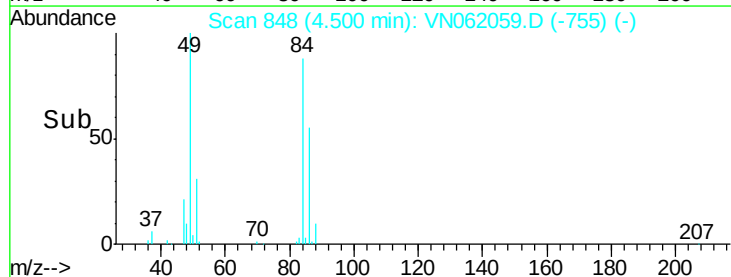
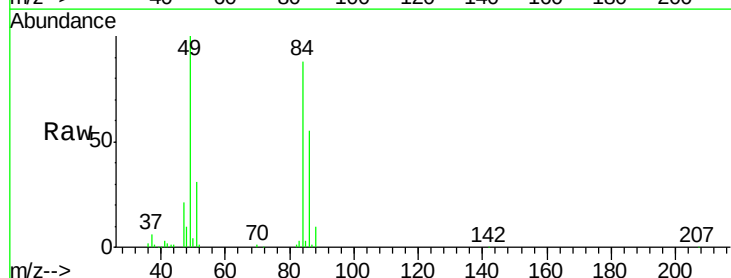
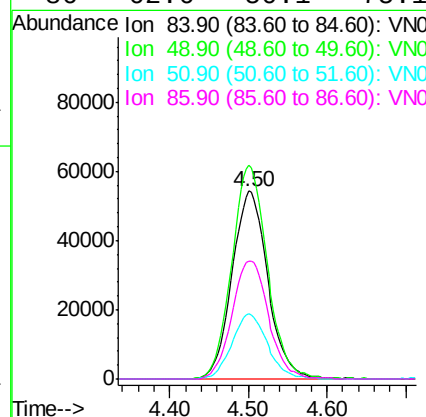
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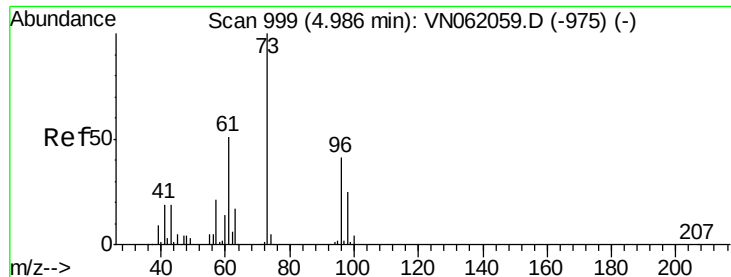
MMDadoda
6/25/2020 6:10:10 PM



#20
Methylene Chloride
Concen: 48.785 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion: 84 Resp: 171869
Ion Ratio Lower Upper
84 100
49 113.3 90.6 136.0
51 34.8 27.8 41.8
86 62.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 51.399 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

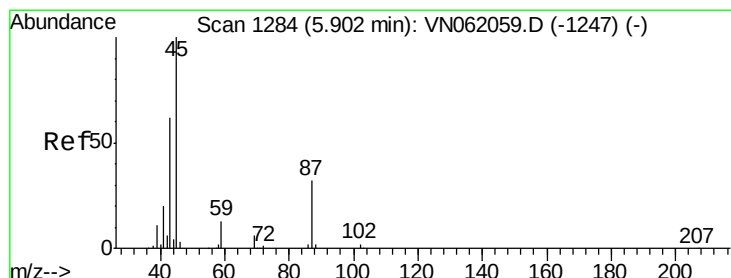
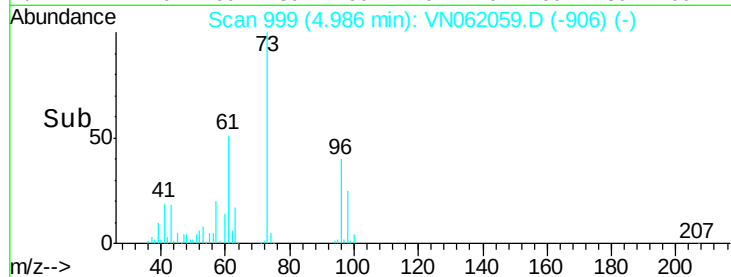
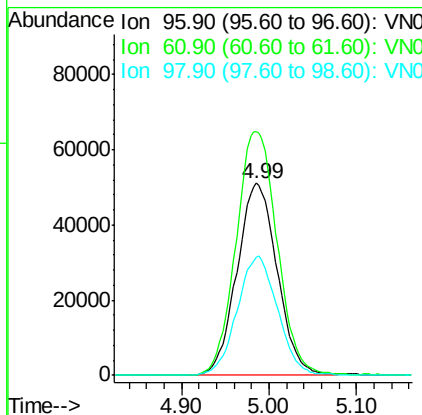
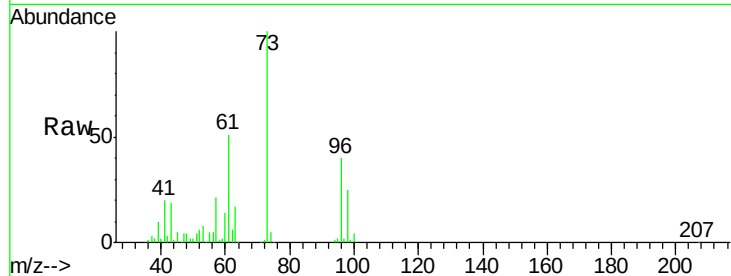
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	163054
Ion	Ratio	Lower	Upper
96	100		
61	126.8	101.4	152.2
98	61.6	49.3	73.9

Manual Integrations
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MMDadoda
6/25/2020 6:10:10 PM



#22

Diisopropyl ether

Concen: 53.249 ug/l

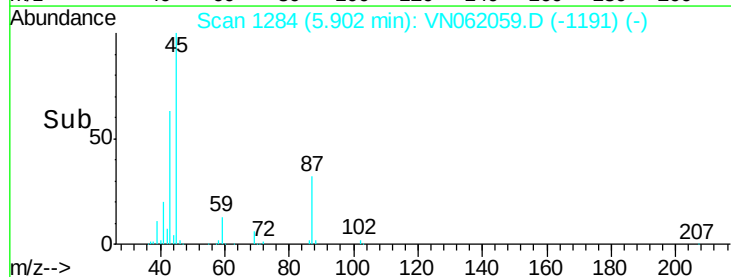
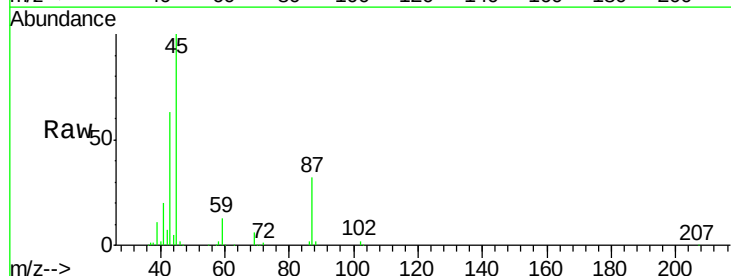
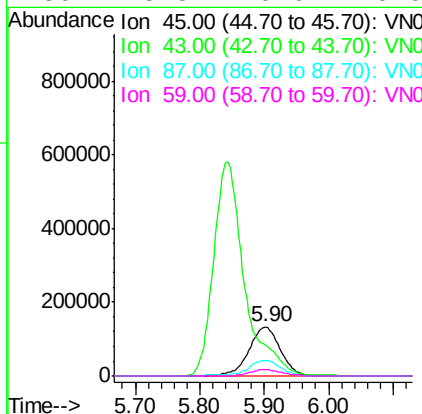
RT: 5.90 min Scan# 1284

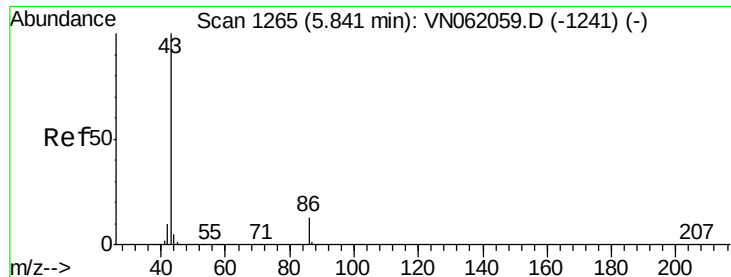
Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Tgt Ion:	45	Resp:	451580
Ion	Ratio	Lower	Upper
45	100		
43	62.1	49.7	74.5
87	32.4	25.9	38.9
59	13.3	10.6	16.0





#23

Vinyl Acetate

Concen: 286.341 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1930791

Ion Ratio Lower Upper

43 100

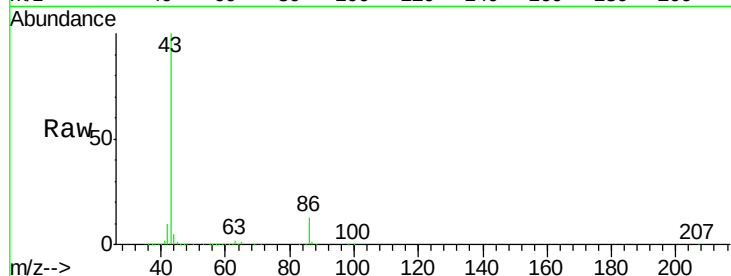
86 12.6 10.1 15.1

Manual Integrations

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MMDadoda

6/25/2020 6:10:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-1241) (-)

Ion 86.00 (85.70 to 86.70): VN062059.D (-1241) (-)

5.84

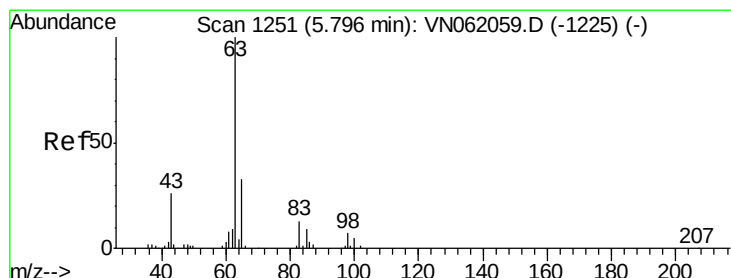
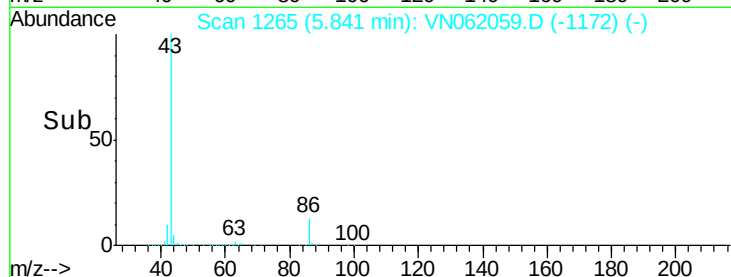
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.667 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

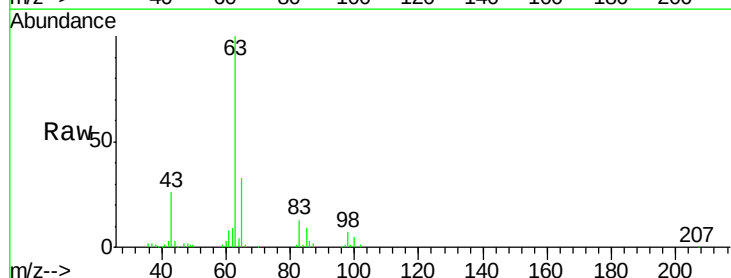
Tgt Ion: 63 Resp: 285309

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062059.D (-1225) (-)

Ion 97.90 (97.60 to 98.60): VN062059.D (-1225) (-)

Ion 99.90 (99.60 to 100.60): VN062059.D (-1225) (-)

5.80

120000

100000

80000

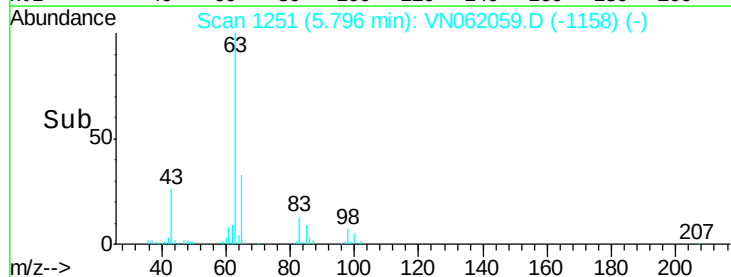
60000

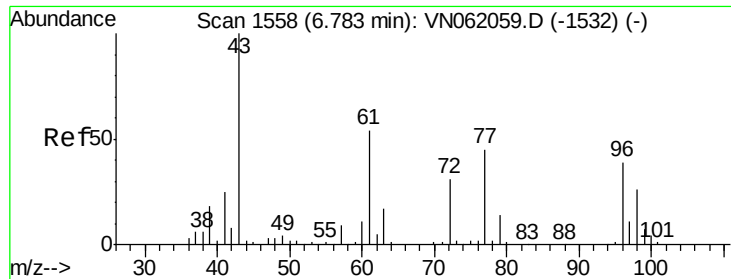
40000

20000

0

Time-->





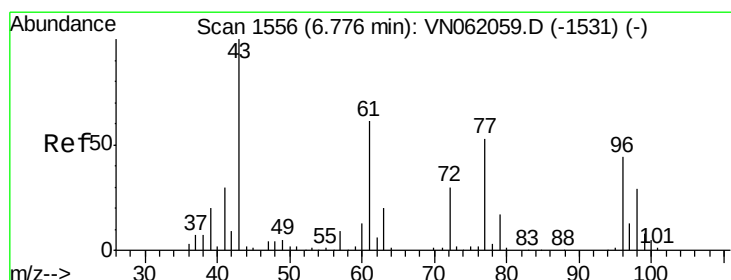
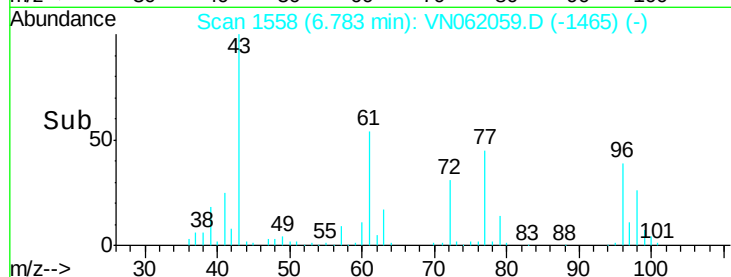
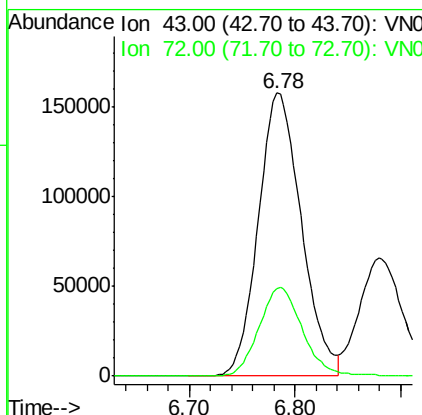
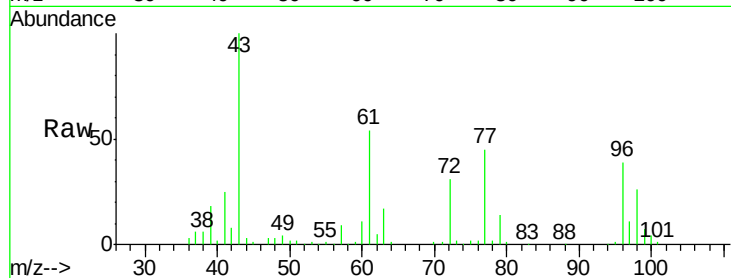
#25
2-Butanone
Concen: 280.375 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 449311
Ion Ratio Lower Upper
43 100
72 31.0 24.8 37.2

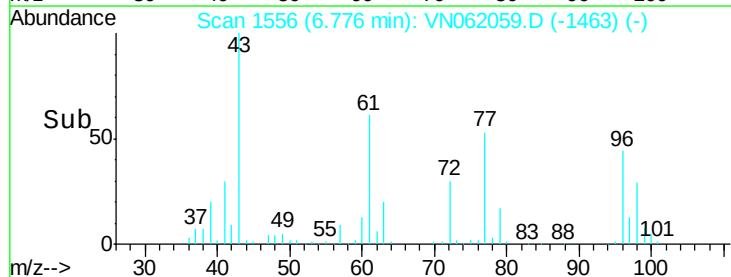
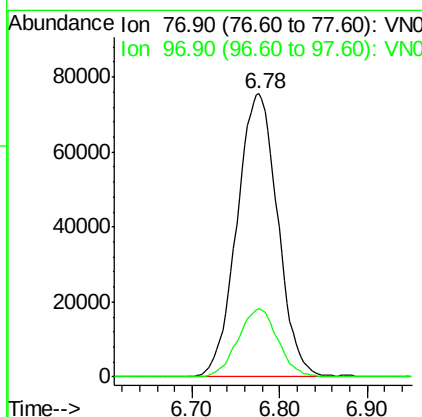
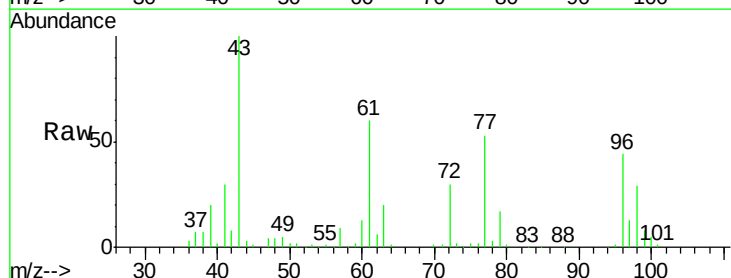
Manual Integrations
APPROVED

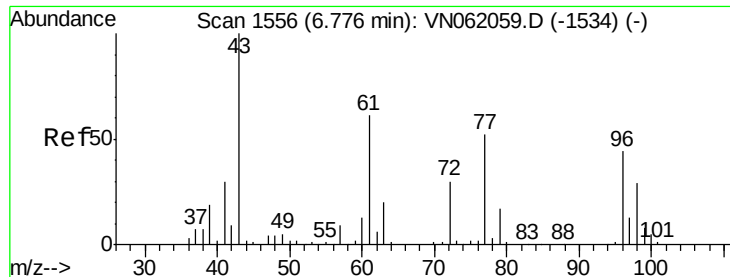
MMDadoda
6/25/2020 6:10:10 PM



#26
2,2-Dichloropropane
Concen: 52.256 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion: 77 Resp: 244053
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3





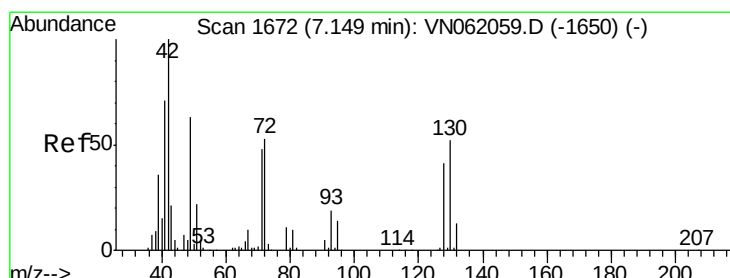
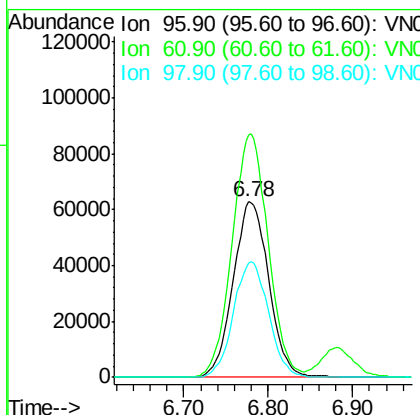
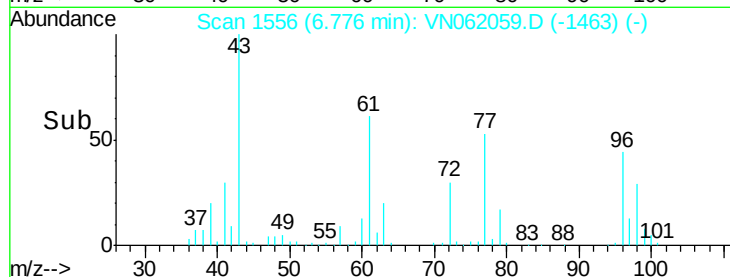
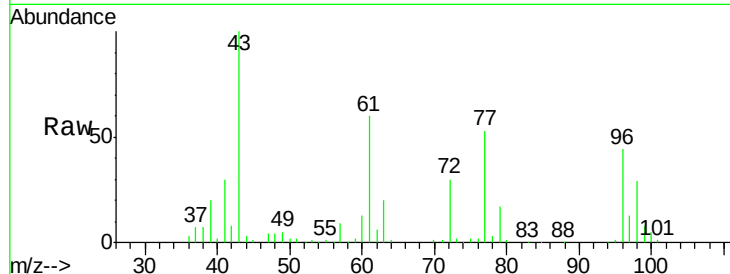
#27
 cis-1,2-Dichloroethene
 Concen: 50.478 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	184474		
61	140.2	0.0	280.4	
98	64.7	0.0	129.4	

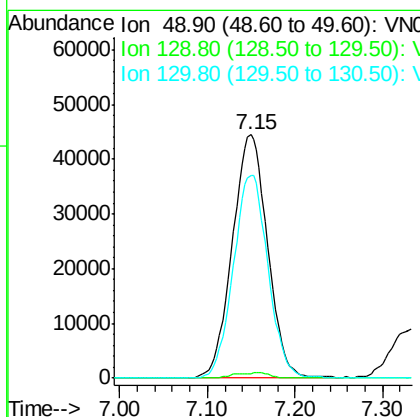
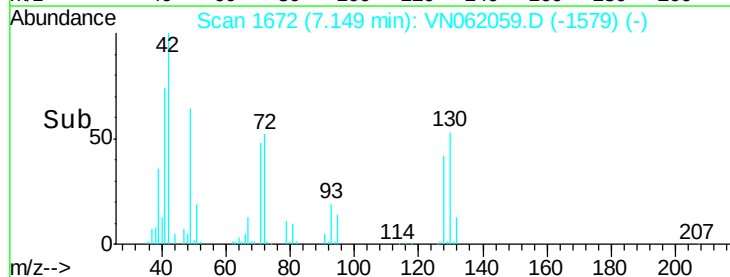
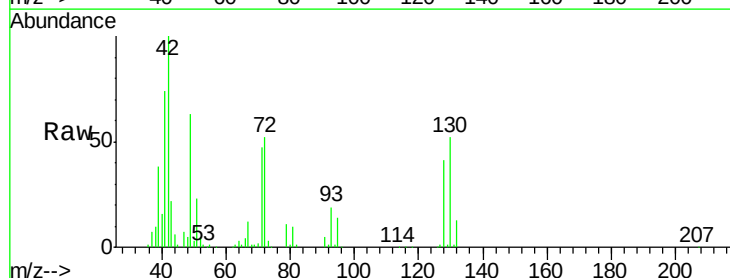
Manual Integrations
 APPROVED

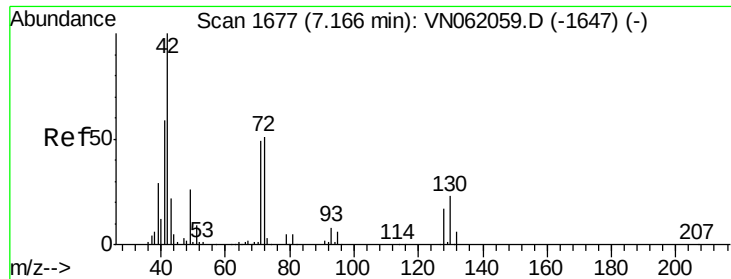
MMDadoda
 6/25/2020 6:10:10 PM



#28
 Bromochloromethane
 Concen: 50.420 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124428		
129	2.2	0.0	4.4	
130	81.9	65.5	98.3	





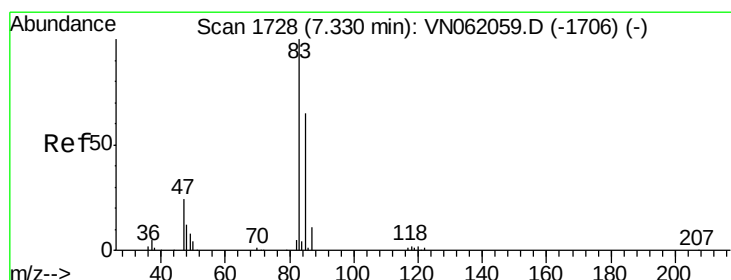
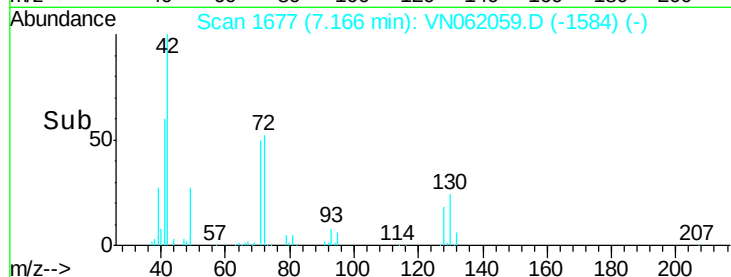
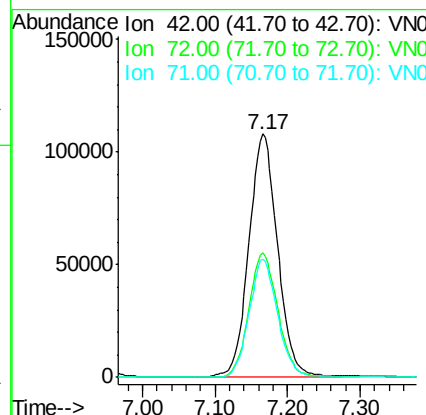
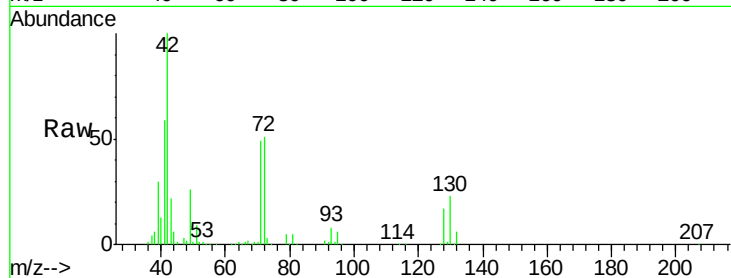
#29
Tetrahydrofuran
Concen: 282.710 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	41.1	61.7
71	47.8	38.2	57.4

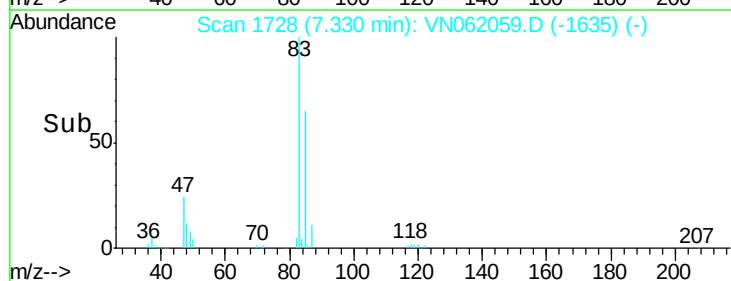
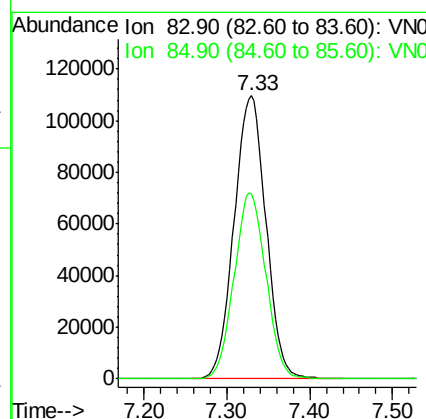
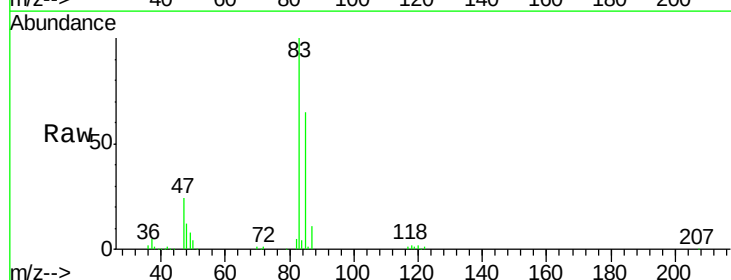
Manual Integrations
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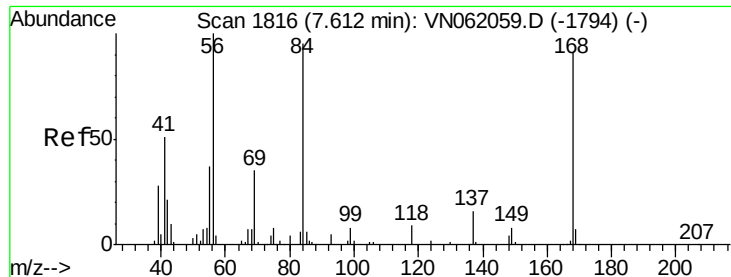
MMDadoda
6/25/2020 6:10:10 PM



#30
Chloroform
Concen: 49.976 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5





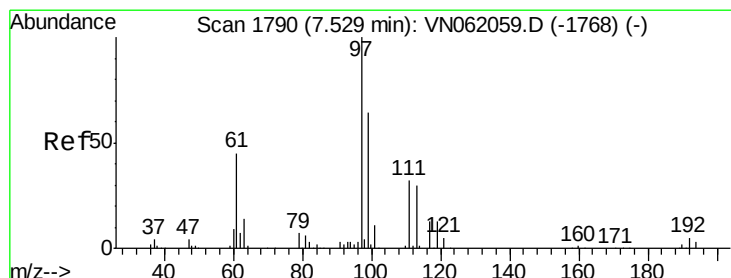
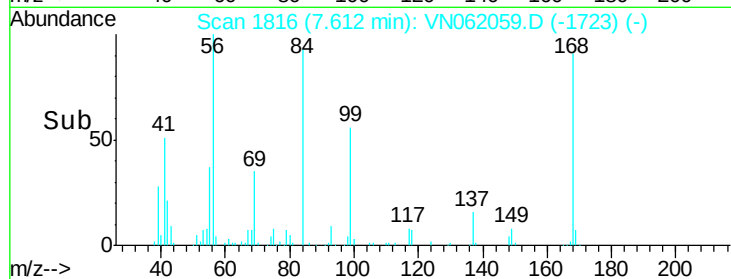
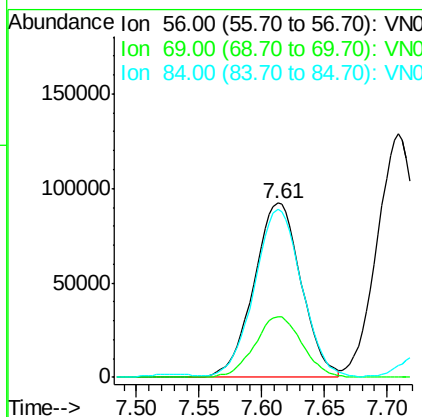
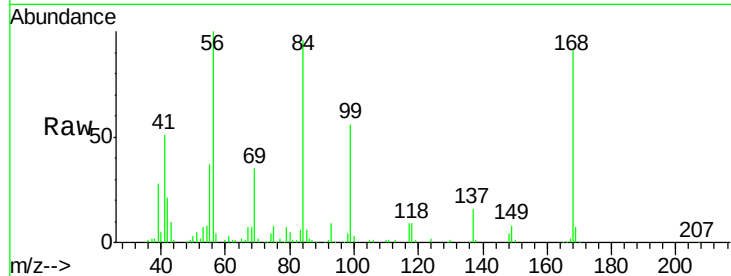
#31
Cyclohexane
Concen: 50.131 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	28.0	42.0
84	95.1	76.1	114.1

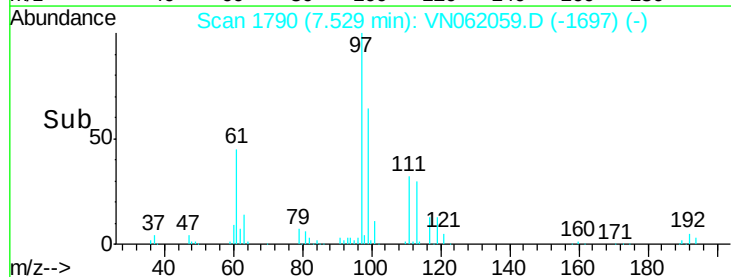
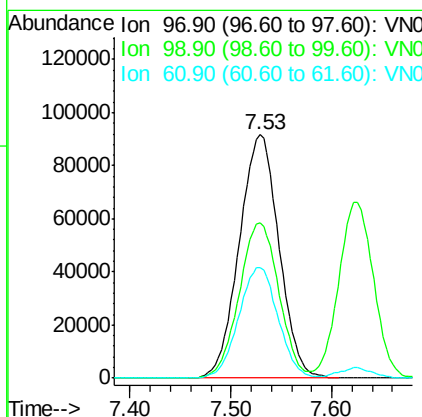
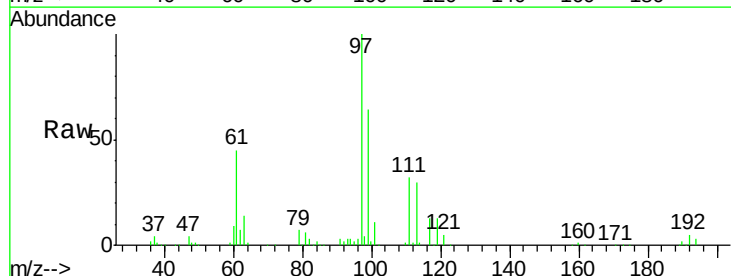
Manual Integrations
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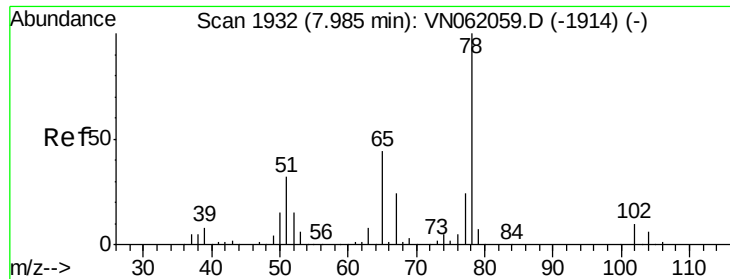
MMDadoda
6/25/2020 6:10:10 PM



#32
1,1,1-Trichloroethane
Concen: 50.136 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	45.2	36.2	54.2





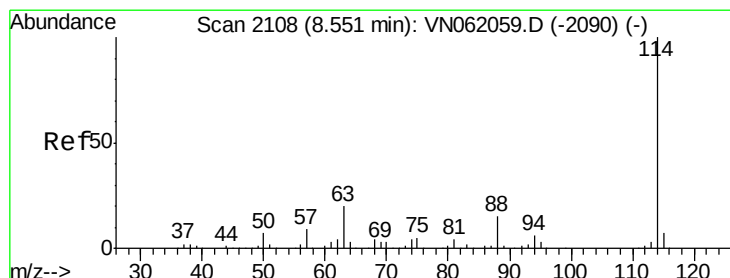
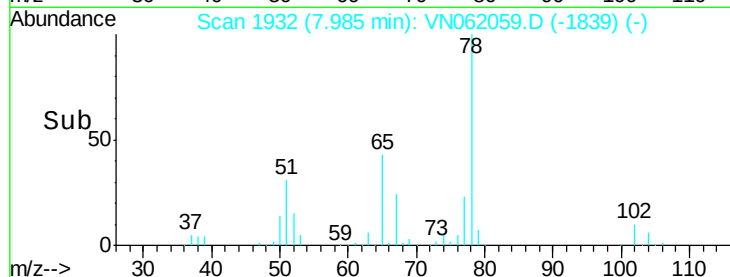
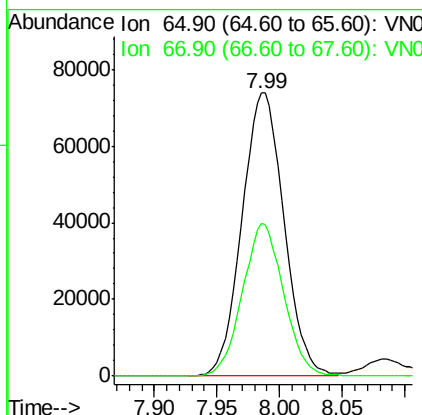
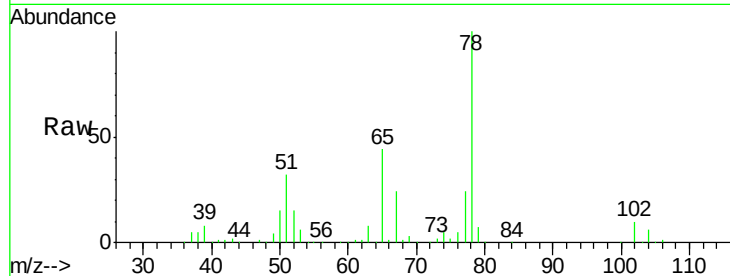
#33
 1,2-Dichloroethane-d4
 Concen: 47.412 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	172060		
67	53.1	0.0	106.2	

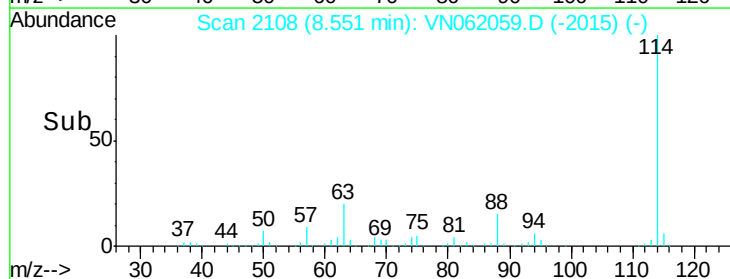
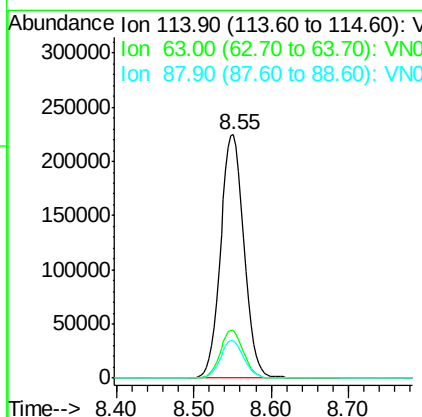
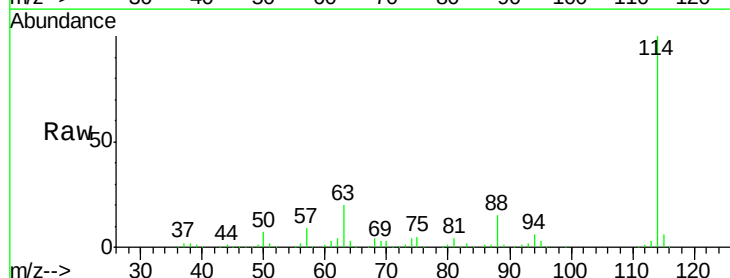
Manual Integrations
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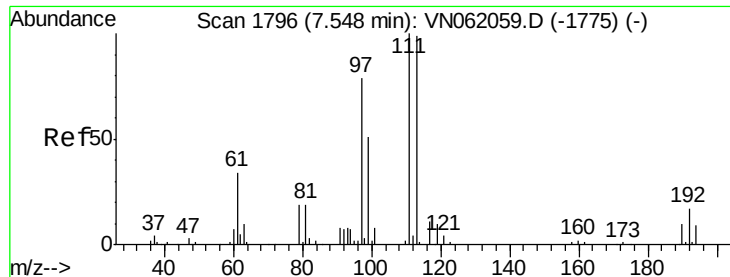
MMDadoda
 6/25/2020 6:10:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	473377		
63	19.6	0.0	39.2	
88	15.4	0.0	30.8	





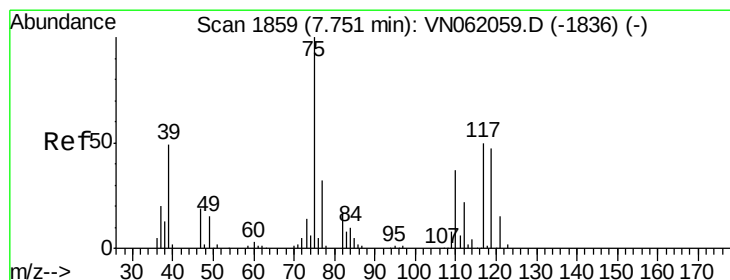
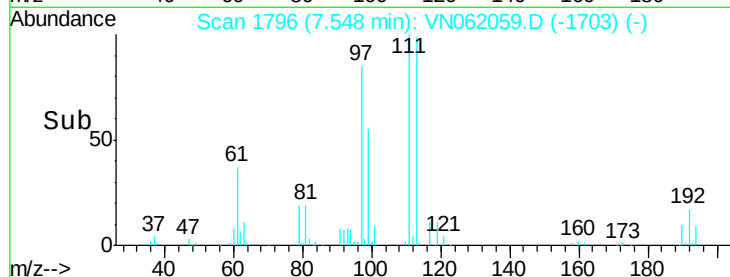
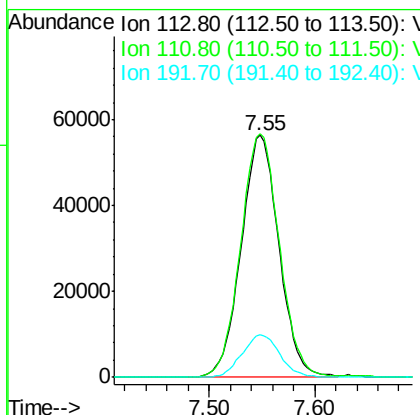
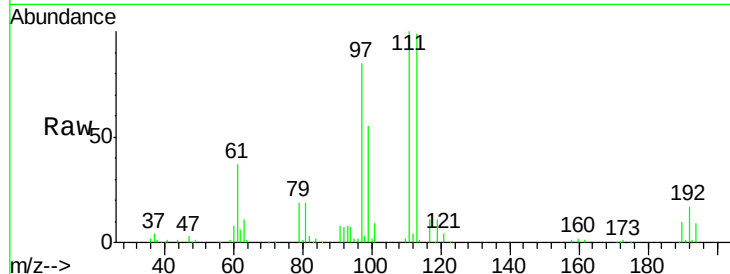
#35
 Dibromofluoromethane
 Concen: 46.814 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140636		
111	102.8	82.2	123.4	
192	17.5	14.0	21.0	

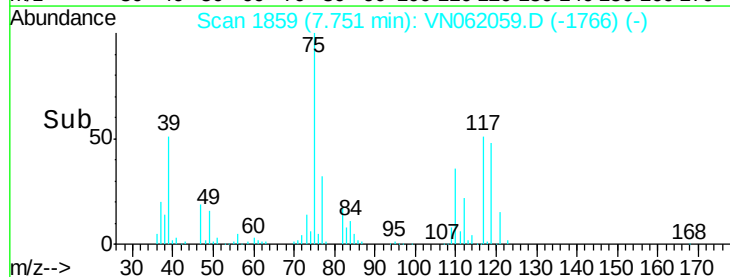
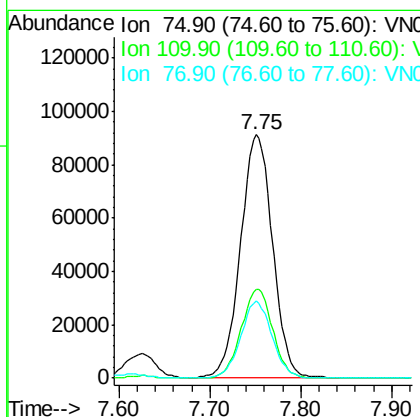
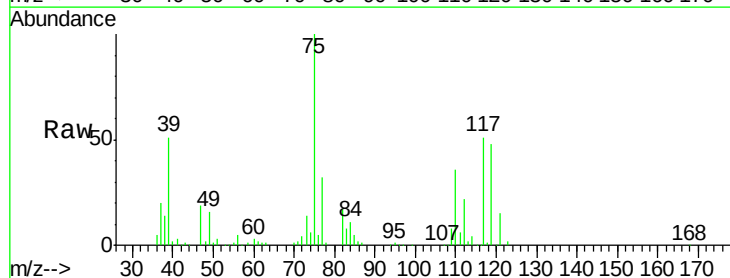
Manual Integrations
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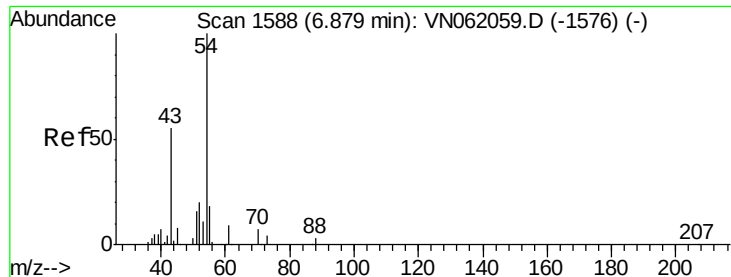
MMDadoda
 6/25/2020 6:10:10 PM



#36
 1,1-Dichloropropene
 Concen: 51.420 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	222510		
110	35.9	17.9	53.8	
77	31.1	24.9	37.3	





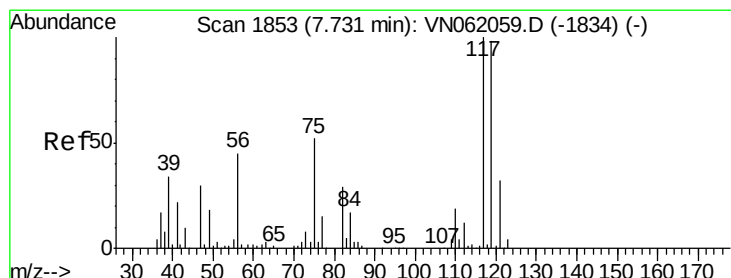
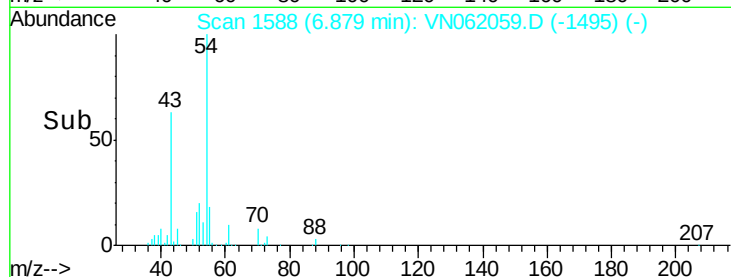
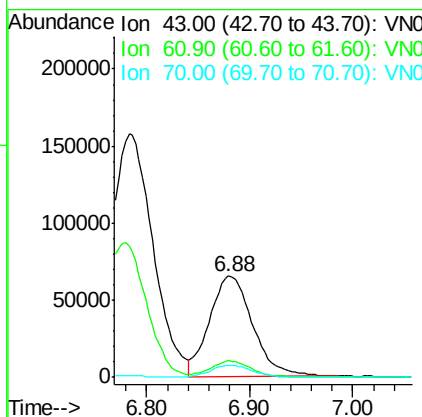
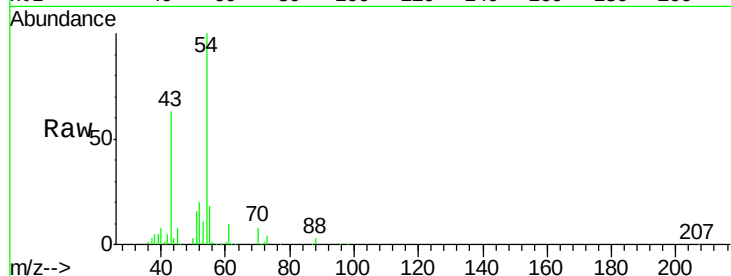
#37
Ethyl Acetate
Concen: 55.509 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	12.0	9.6	14.4

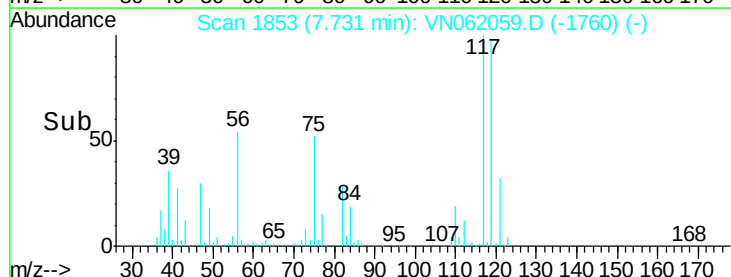
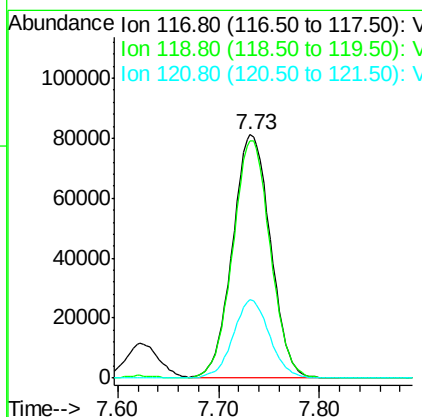
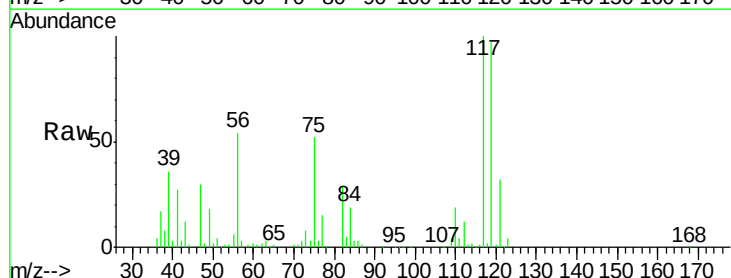
Manual Integrations
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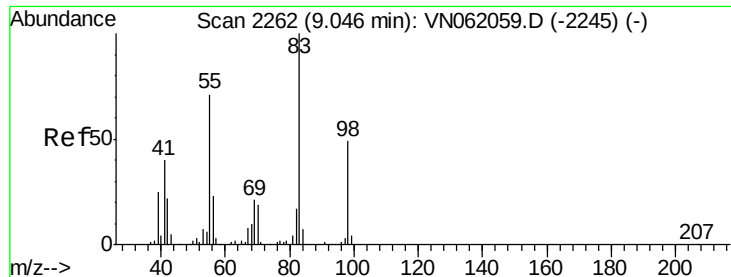
MMDadoda
6/25/2020 6:10:10 PM



#38
Carbon Tetrachloride
Concen: 49.516 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.2	117.2
121	32.2	25.8	38.6





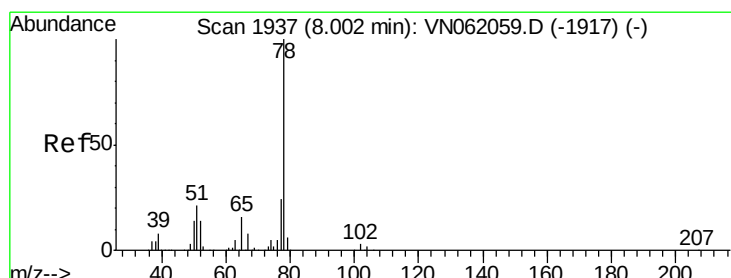
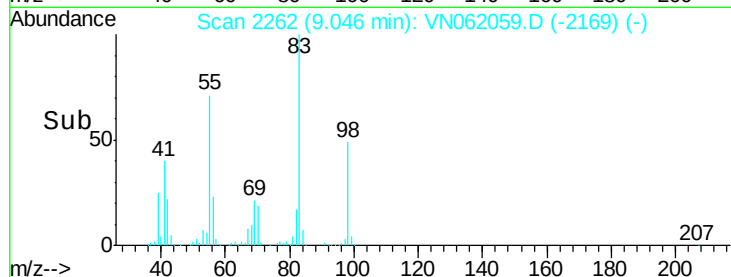
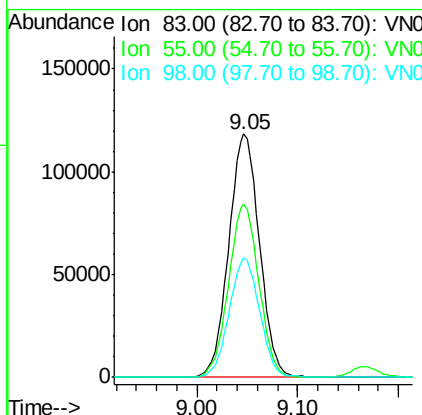
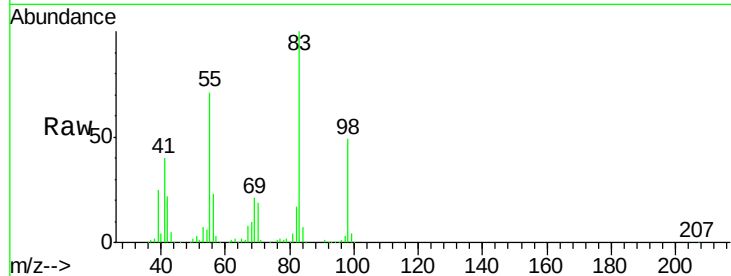
#39
Methylvlcyclohexane
Concen: 53.663 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	250173
Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.0	85.6
98	48.8	39.0	58.6

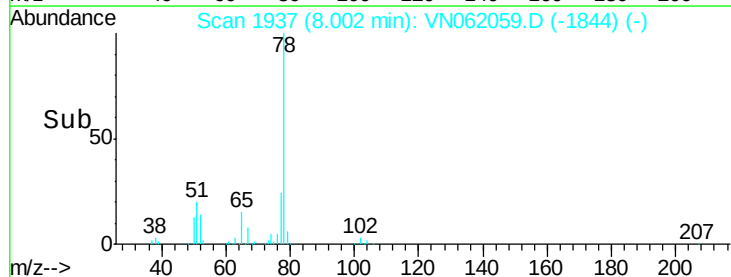
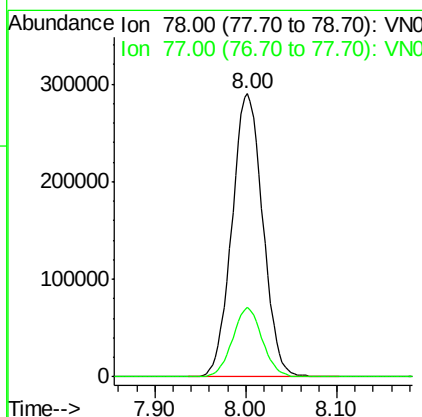
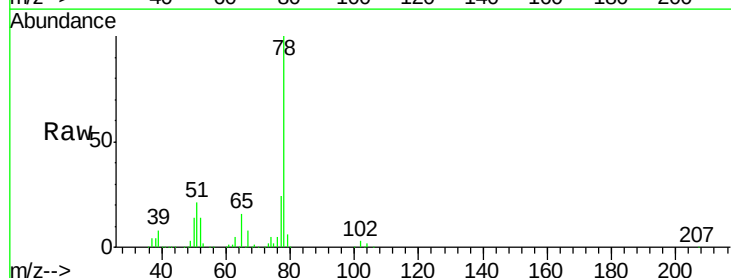
Manual Integrations
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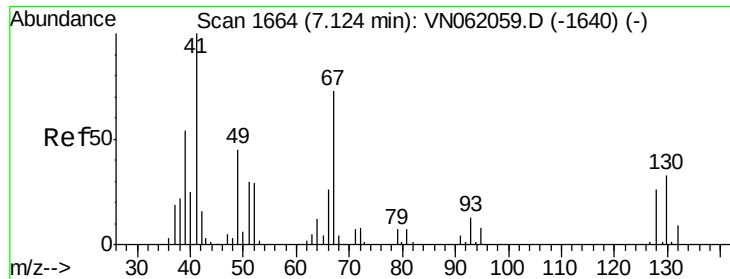
MMDadoda
6/25/2020 6:10:10 PM



#40
Benzene
Concen: 51.989 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	78	Resp	684812
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





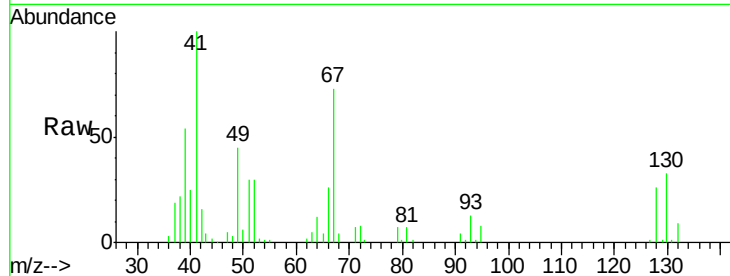
#41
Methacrylonitrile
Concen: 55.927 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.2	66.2
67	99.4	79.5	119.3
52	40.4	32.3	48.5

Manual Integrations
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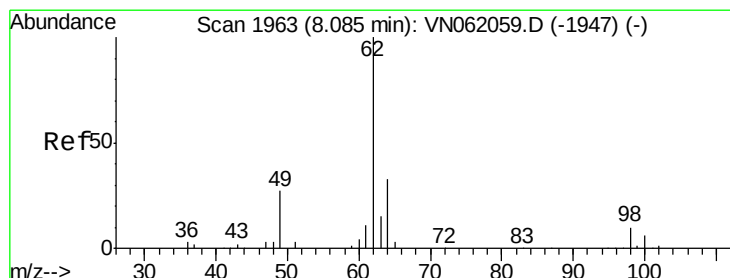
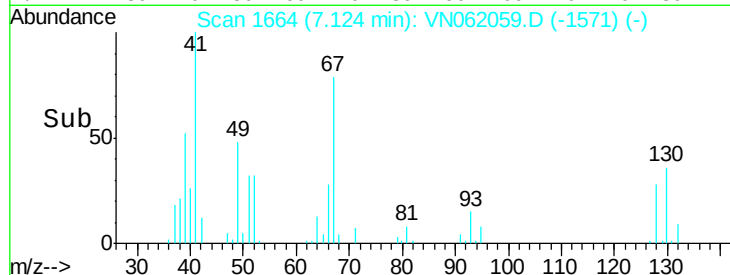
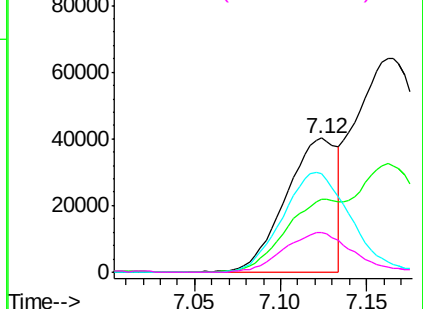


Abundance Ion 41.00 (40.70 to 41.70): VN062059.D (-1640) (-)

Ion 39.00 (38.70 to 39.70): VN062059.D (-1640) (-)

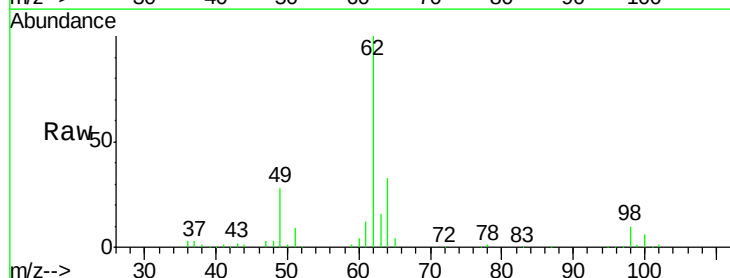
Ion 67.00 (66.70 to 67.70): VN062059.D (-1640) (-)

Ion 52.00 (51.70 to 52.70): VN062059.D (-1640) (-)



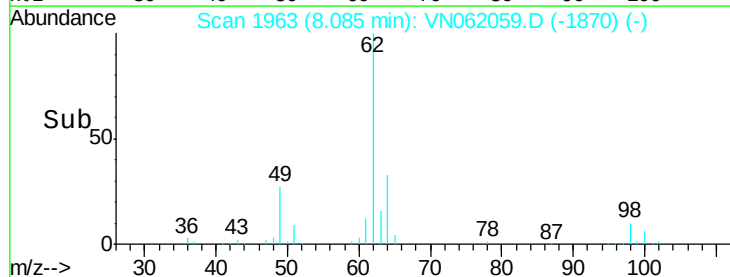
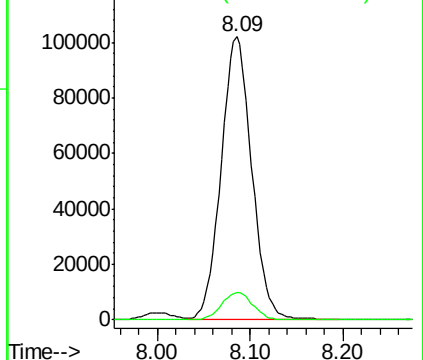
#42
1,2-Dichloroethane
Concen: 51.883 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

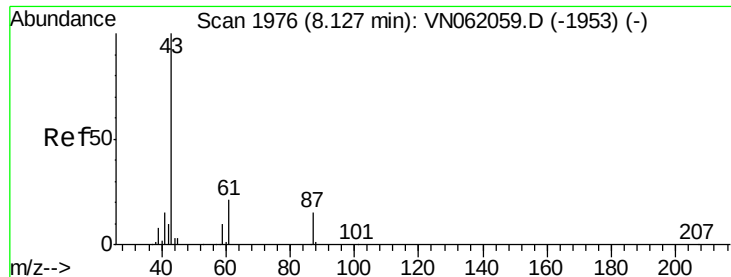
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VN062059.D (-1947) (-)

Ion 97.90 (97.60 to 98.60): VN062059.D (-1947) (-)





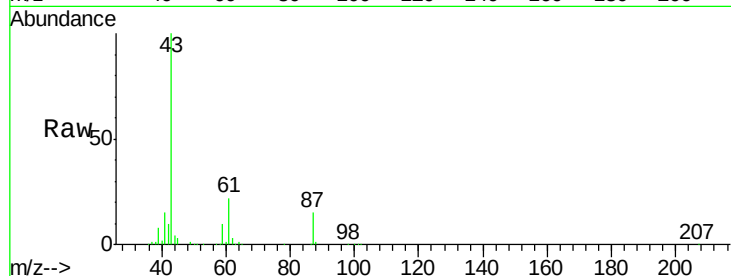
#43
Isopropyl Acetate
Concen: 53.917 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

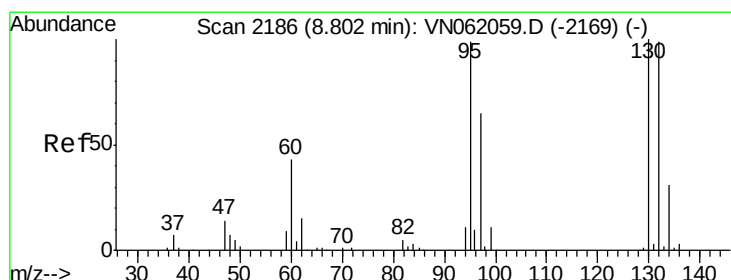
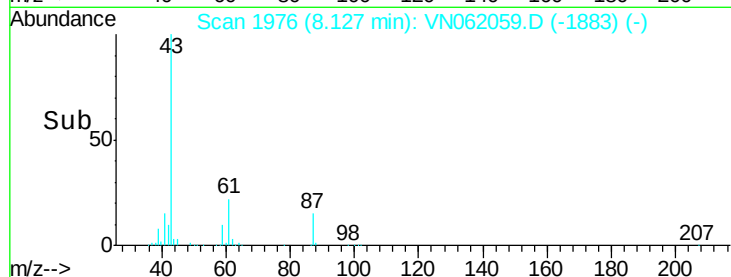
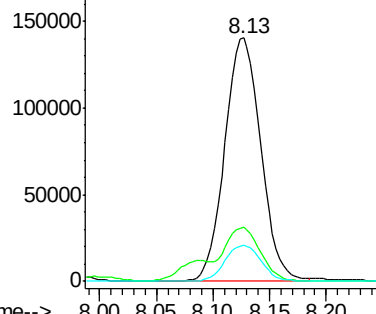
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.2	25.8
87	15.1	12.1	18.1

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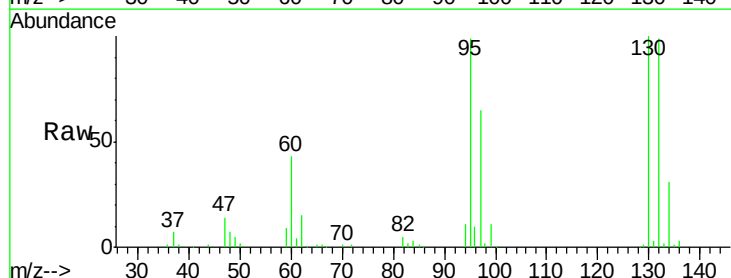


Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-1953) (-)

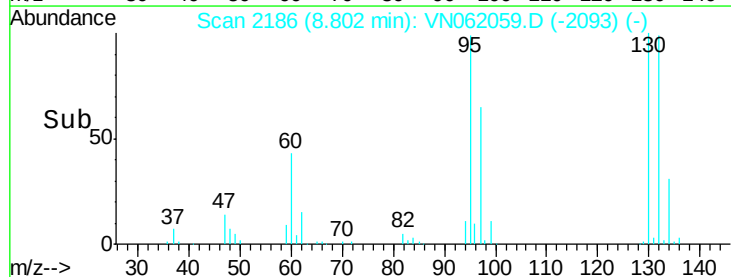
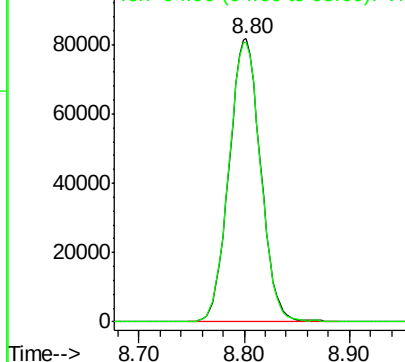


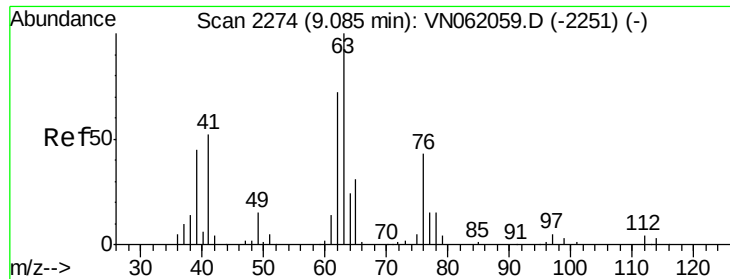
#44
Trichloroethene
Concen: 49.107 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062059.D (-2169) (-)





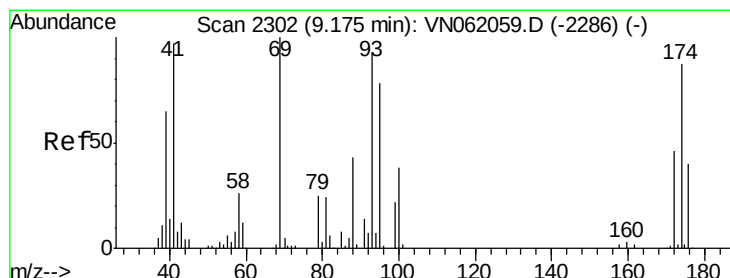
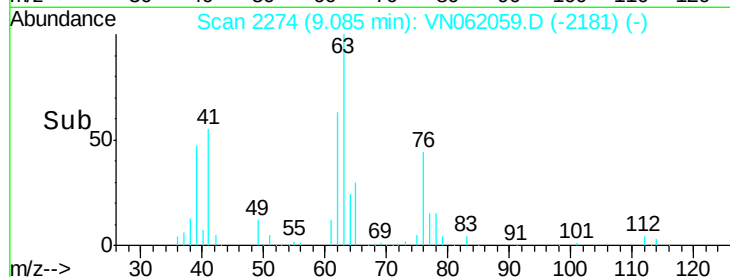
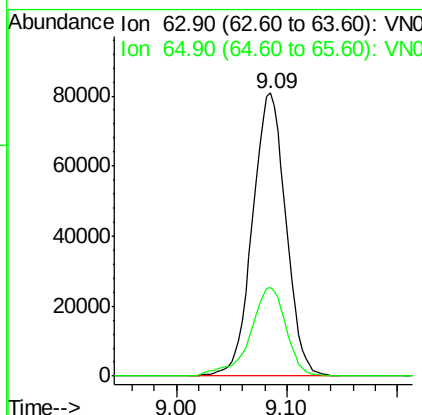
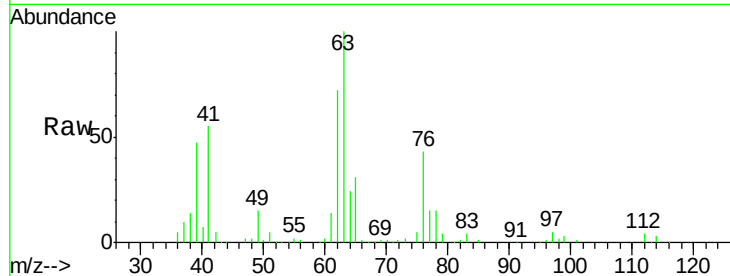
#45
 1,2-Dichloropropane
 Concen: 52.458 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 169604
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

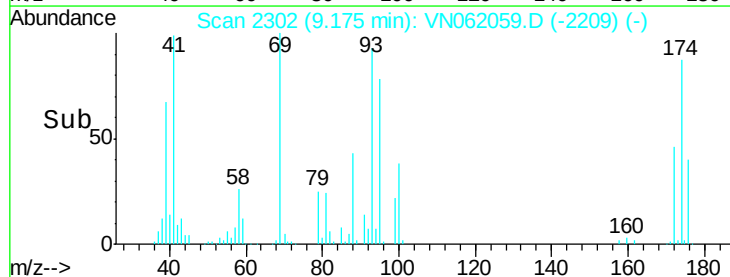
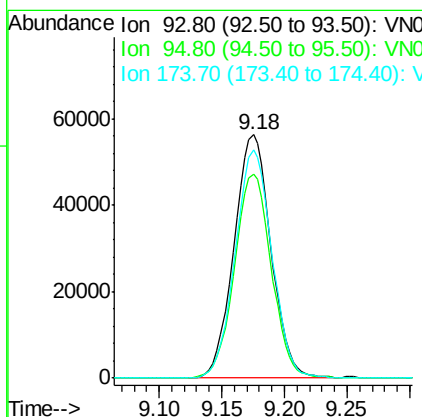
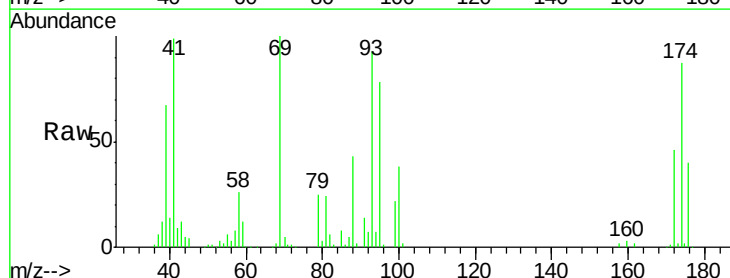
Manual Integrations
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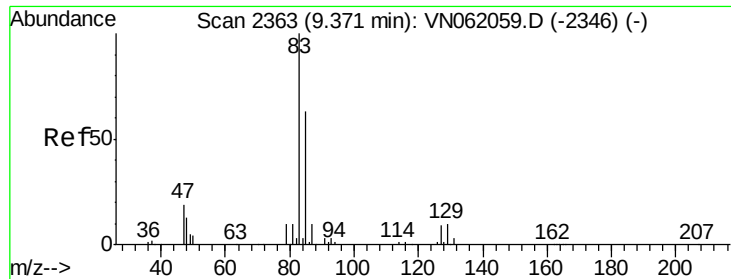
MMDadoda
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#46
 Dibromomethane
 Concen: 51.065 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion: 93 Resp: 115572
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.6
 174 93.0 74.4 111.6





#47

Bromodichloromethane

Concen: 51.254 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

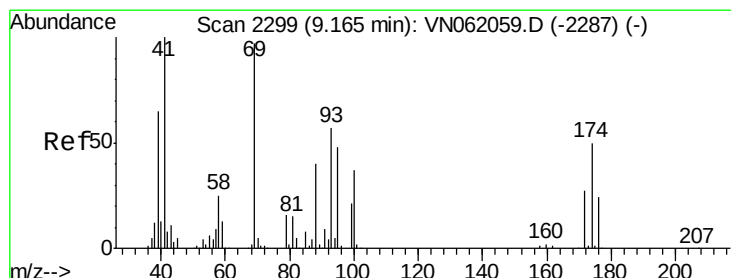
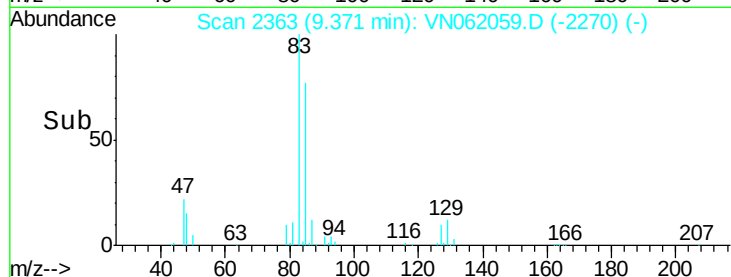
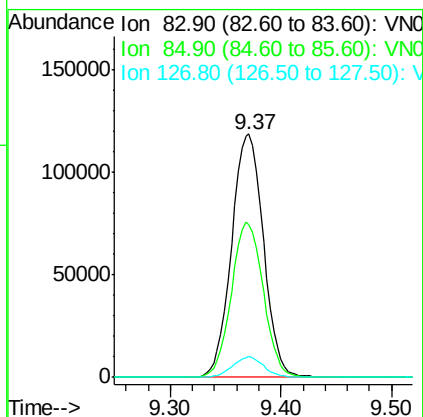
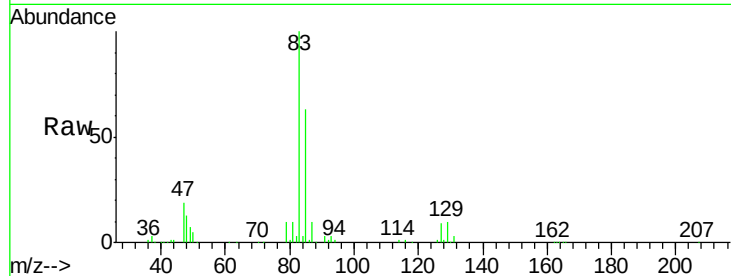
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	238247
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5
127	8.6	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.187 ug/l

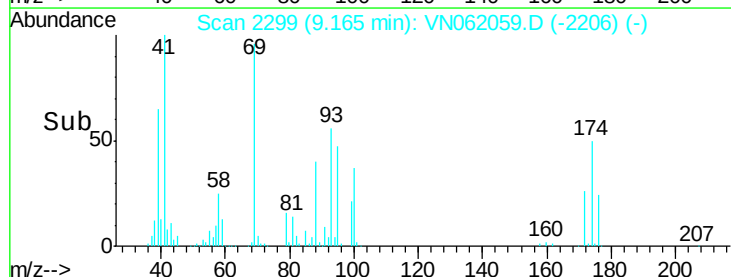
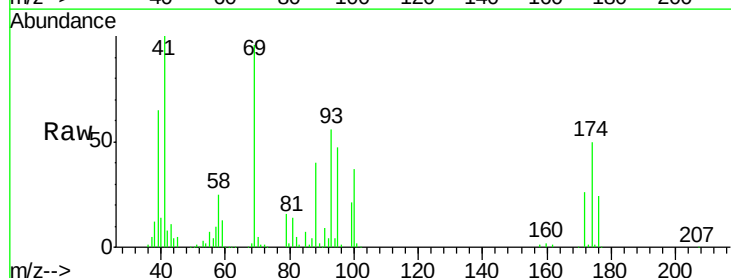
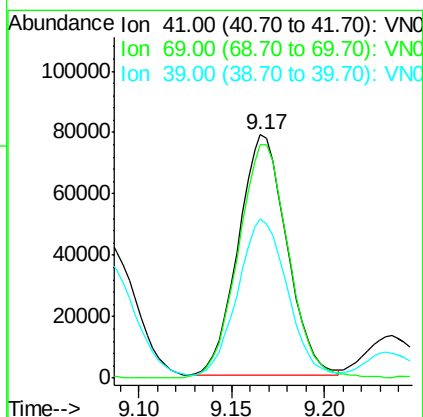
RT: 9.17 min Scan# 2299

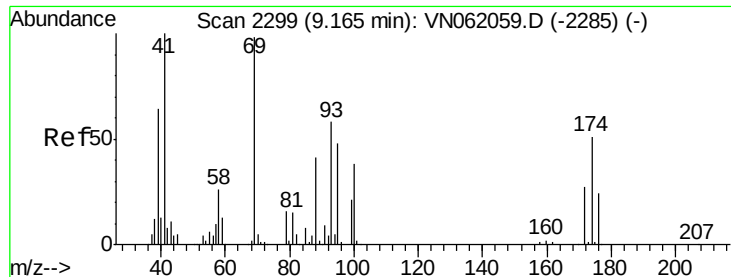
Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Tgt Ion:	41	Resp:	142101
Ion	Ratio	Lower	Upper
41	100		
69	100.9	80.7	121.1
39	68.1	54.5	81.7





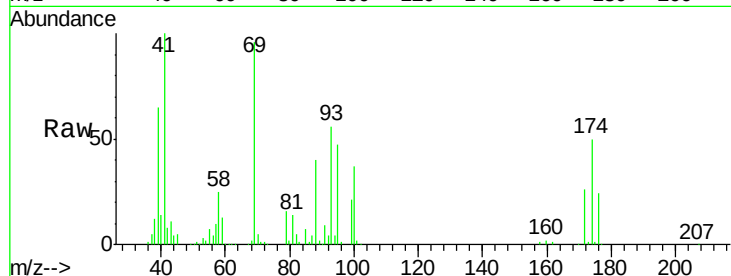
#49
1,4-Dioxane
Concen: 1105.829 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	22.0	33.0
58	61.5	49.2	73.8

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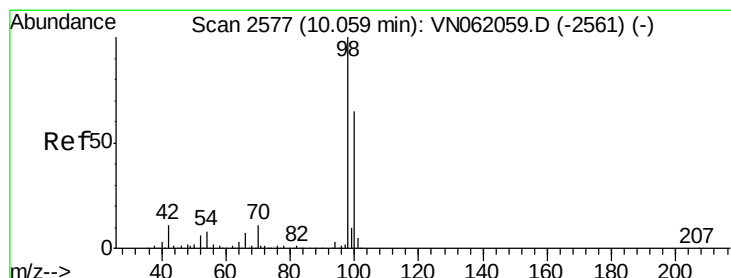
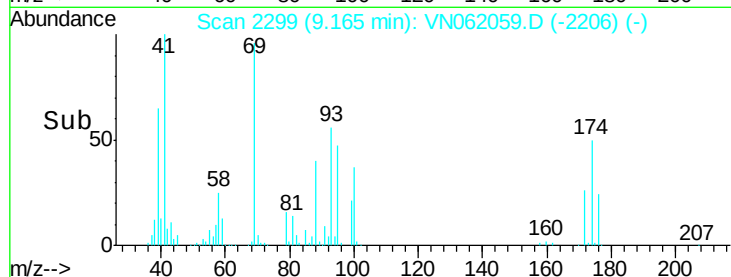
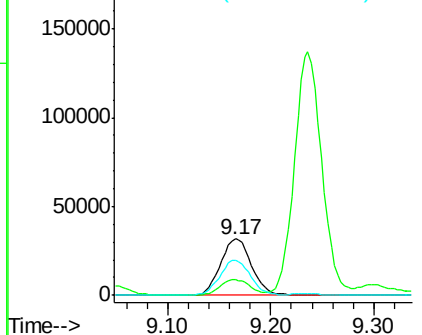
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Abundance Ion 88.00 (87.70 to 88.70): VN062059.D (-2285) (-)

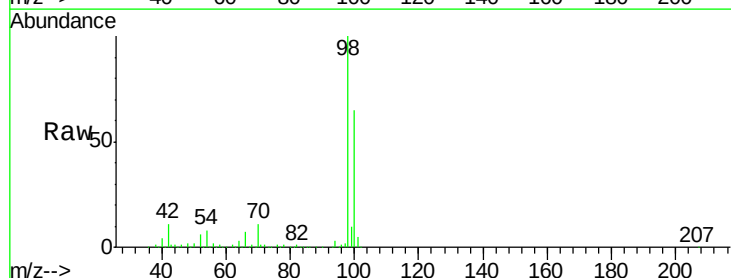
Ion 43.00 (42.70 to 43.70): VN062059.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2285) (-)



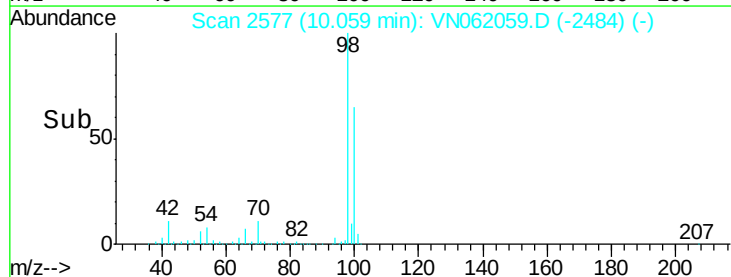
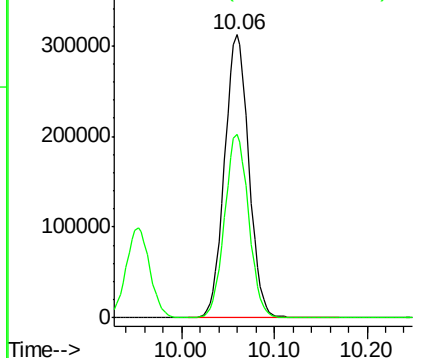
#50
Toluene-d8
Concen: 47.606 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

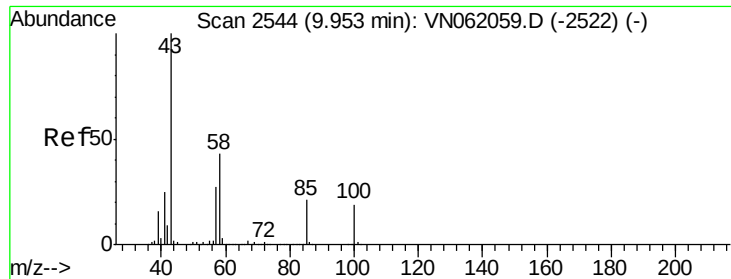
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN062059.D (-2561) (-)





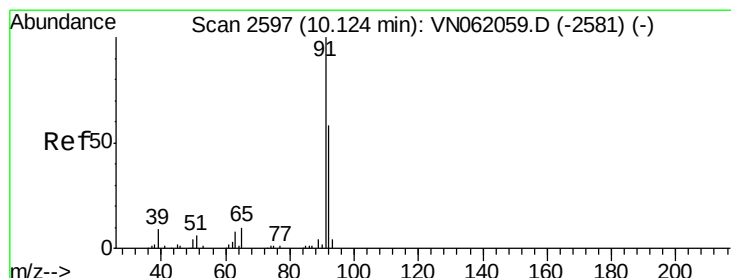
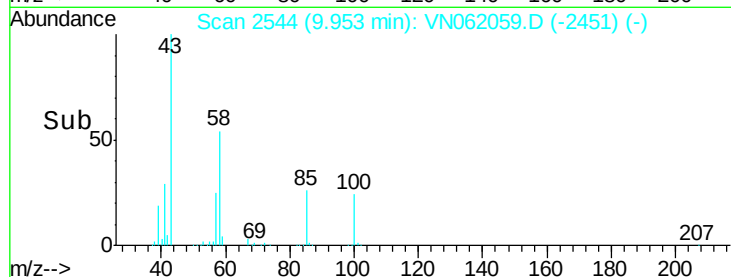
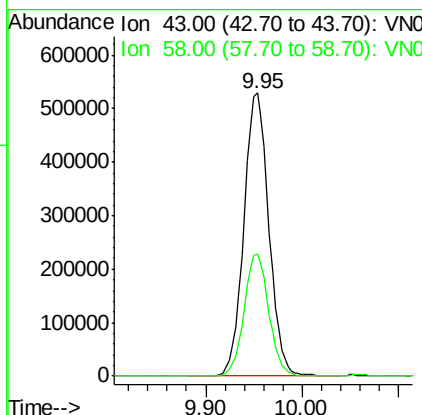
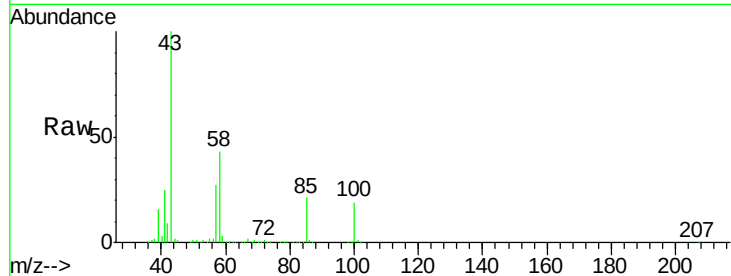
#51
 4-Methyl-2-Pentanone
 Concen: 277.734 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 947970
 Ion Ratio Lower Upper
 43 100
 58 42.7 34.2 51.2

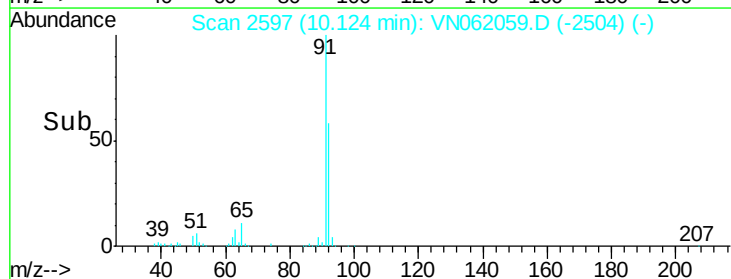
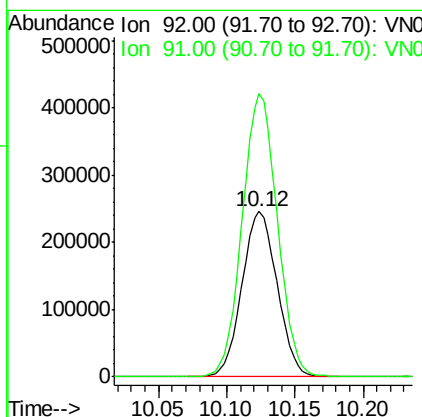
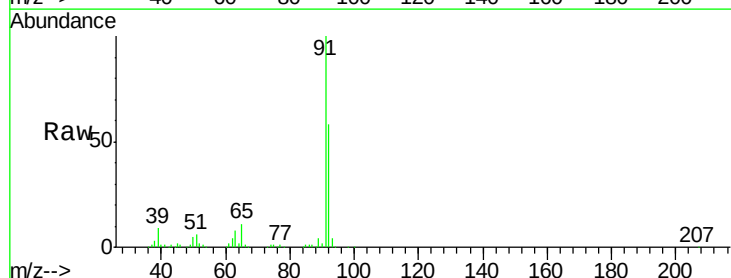
Manual Integrations
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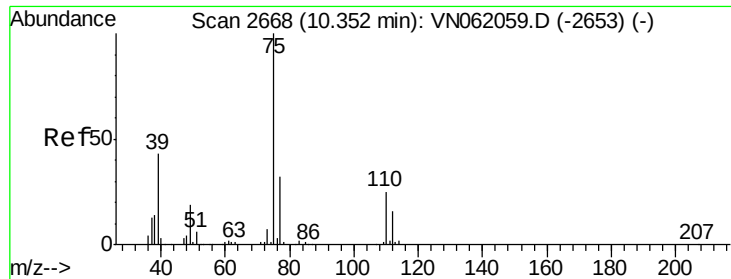
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#52
 Toluene
 Concen: 53.430 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion: 92 Resp: 440898
 Ion Ratio Lower Upper
 92 100
 91 171.7 137.4 206.0





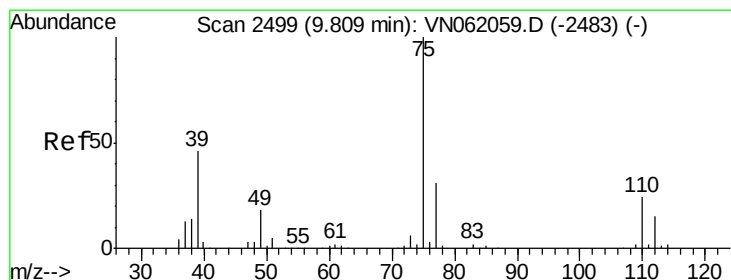
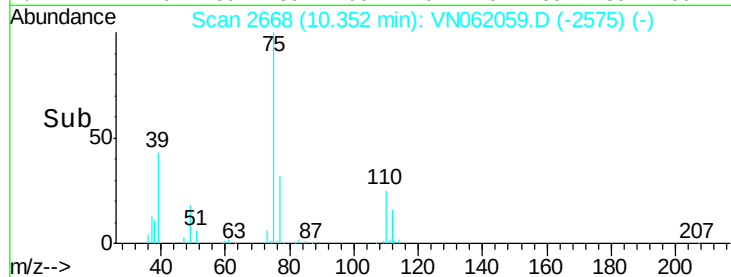
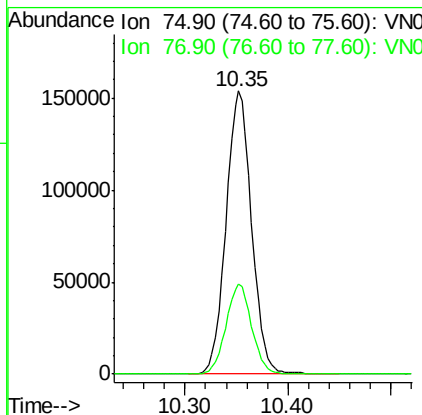
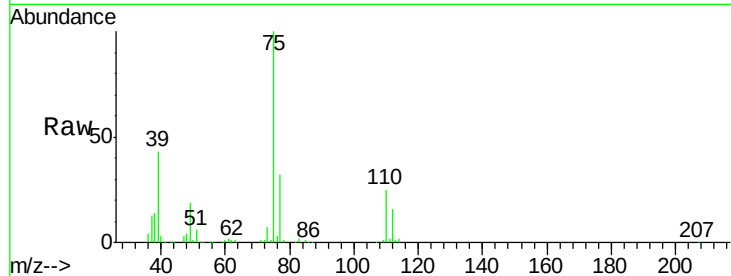
#53
t-1,3-Dichloropropene
Concen: 53.425 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 265189
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3

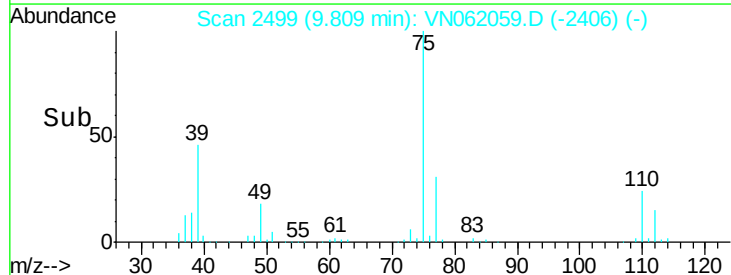
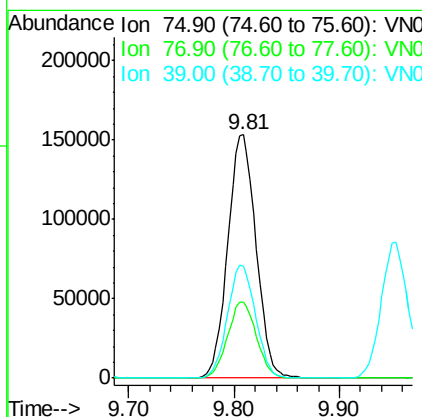
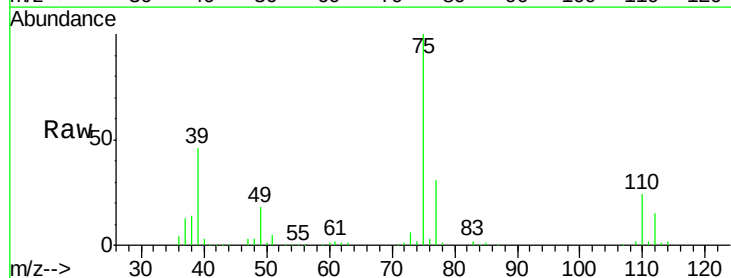
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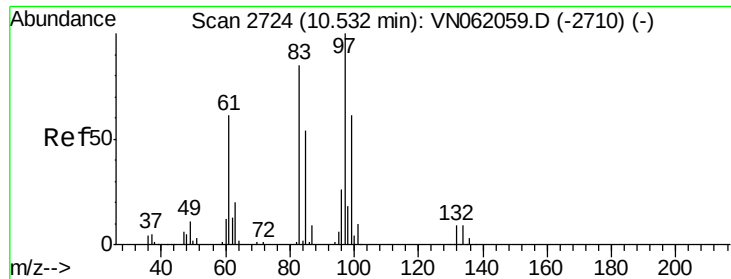
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#54
cis-1,3-Dichloropropene
Concen: 52.907 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion: 75 Resp: 284627
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 46.1 36.9 55.3





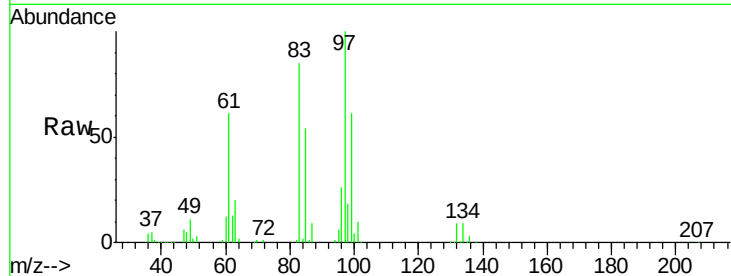
#55
 1,1,2-Trichloroethane
 Concen: 52.694 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	171273
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.2	102.2
85	54.0	43.2	64.8
99	60.6	48.5	72.7

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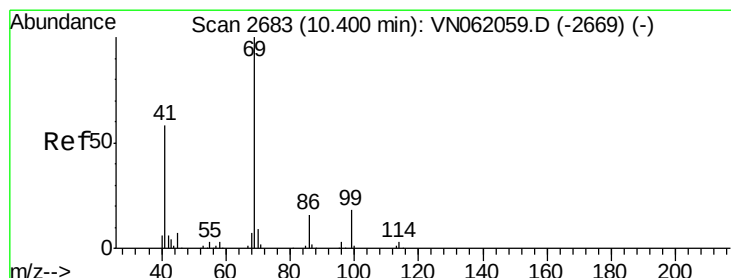
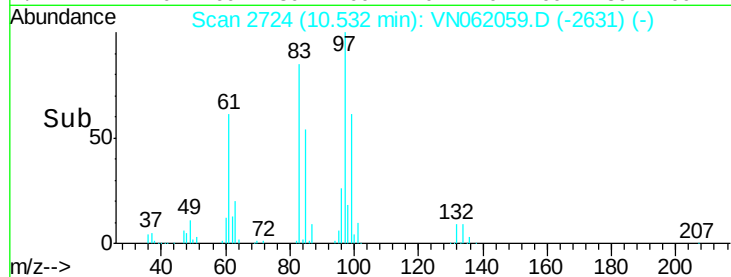
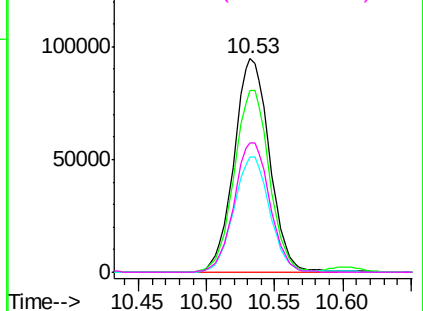
Abundance

Ion 96.90 (96.60 to 97.60): VN062059.D (-2710) (-)

Ion 82.90 (82.60 to 83.60): VN062059.D (-2710) (-)

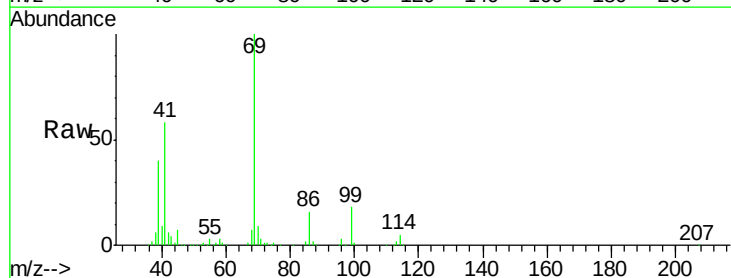
Ion 84.90 (84.60 to 85.60): VN062059.D (-2710) (-)

Ion 98.90 (98.60 to 99.60): VN062059.D (-2710) (-)



#56
 Ethyl methacrylate
 Concen: 55.573 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion:	69	Resp:	241806
Ion	Ratio	Lower	Upper
69	100		
41	58.3	46.6	70.0
39	38.7	31.0	46.4

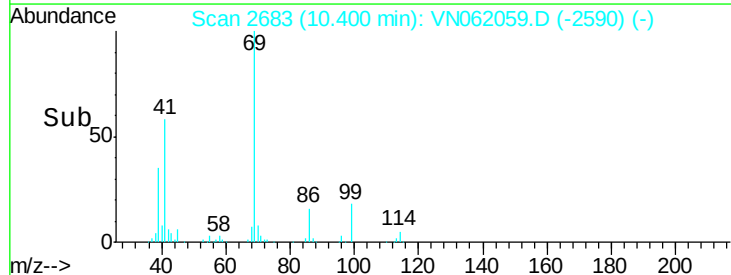
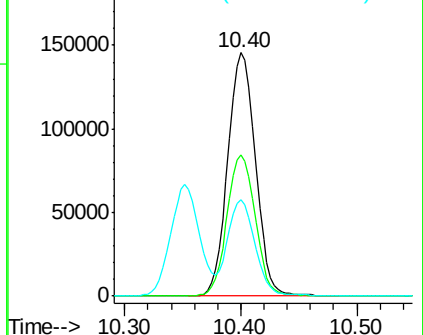


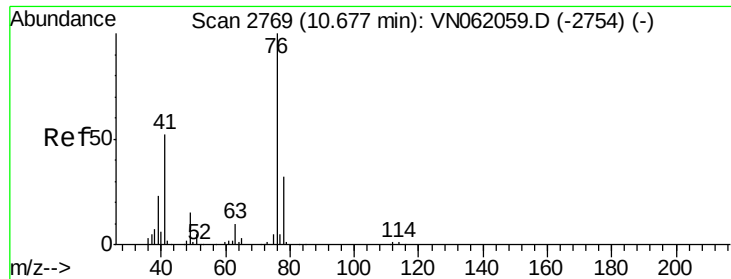
Abundance

Ion 69.00 (68.70 to 69.70): VN062059.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062059.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062059.D (-2669) (-)





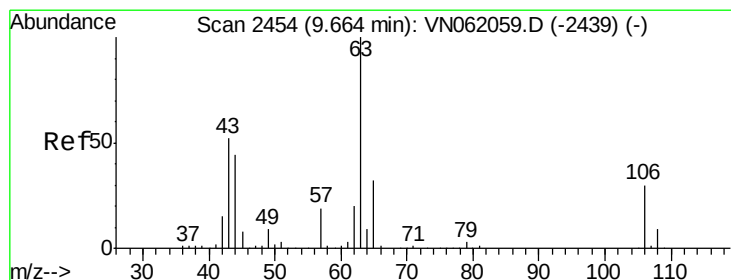
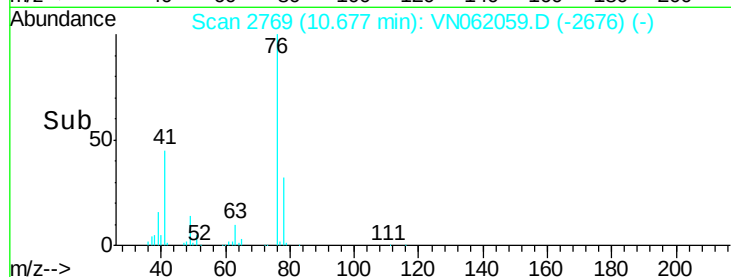
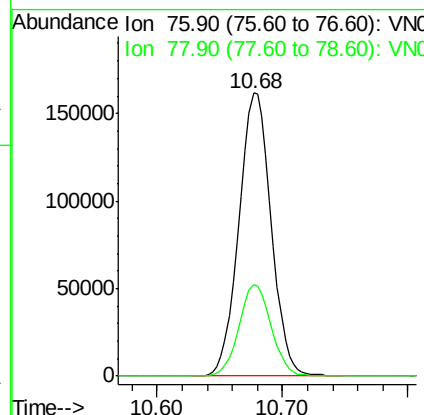
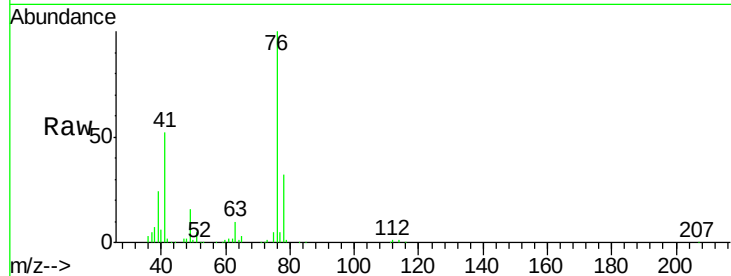
#57
 1,3-Dichloropropane
 Concen: 52.424 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

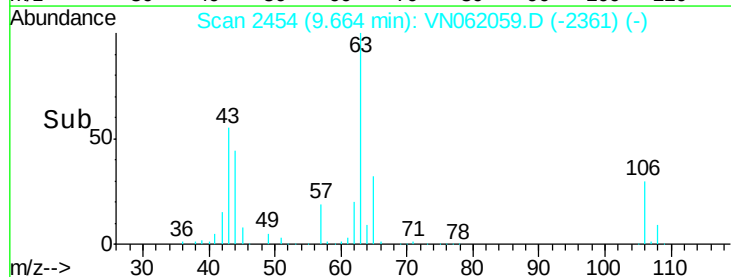
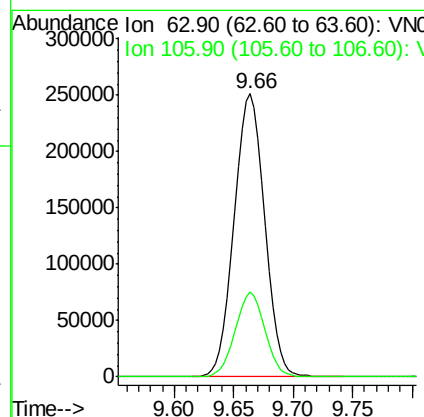
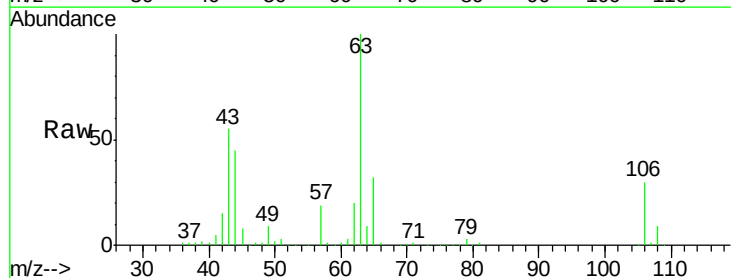
Manual Integrations
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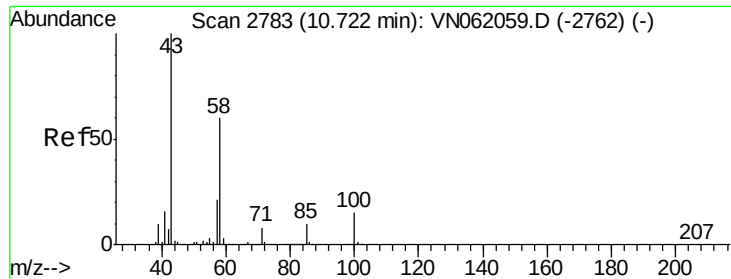
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#58
 2-Chloroethyl Vinyl ether
 Concen: 262.067 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.2	34.8





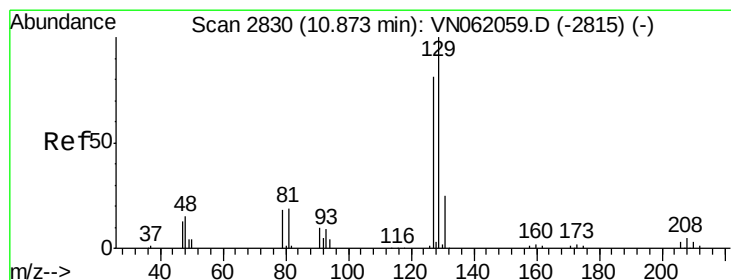
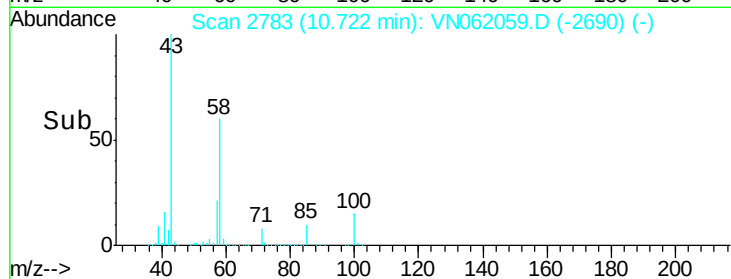
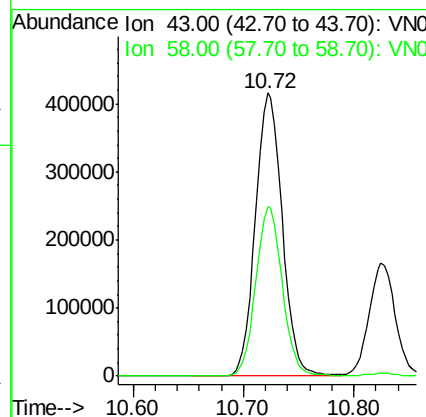
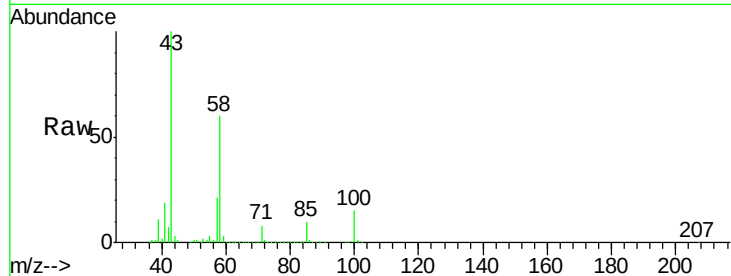
#59
2-Hexanone
Concen: 286.986 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	703806
Ion Ratio	100	Lower	Upper
43	100		
58	59.0	29.5	88.5

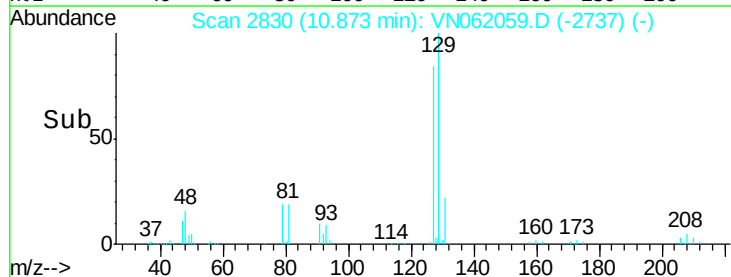
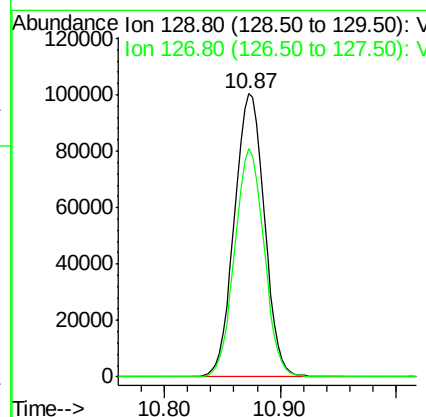
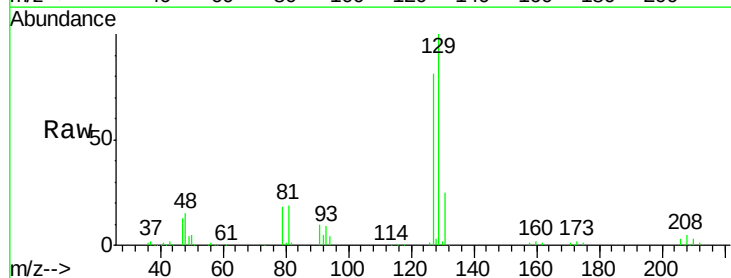
Manual Integrations
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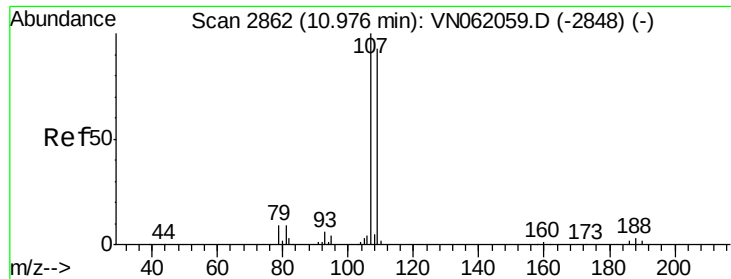
MMDadoda
6/25/2020 6:10:10 PM



#60
Dibromochloromethane
Concen: 50.183 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	129	Resp	180386
Ion Ratio	100	Lower	Upper
129	100		
127	79.0	39.5	118.5





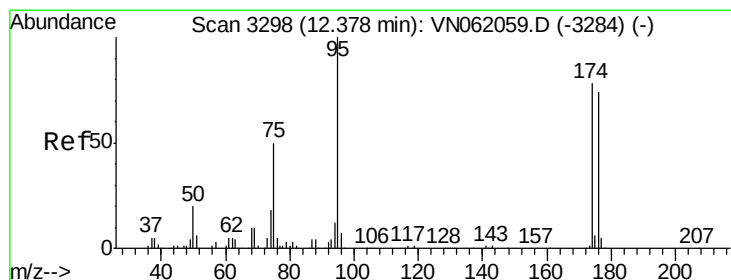
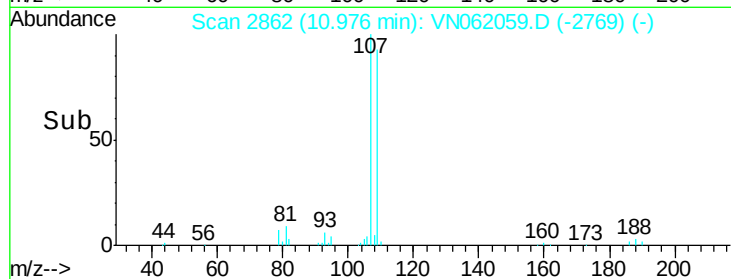
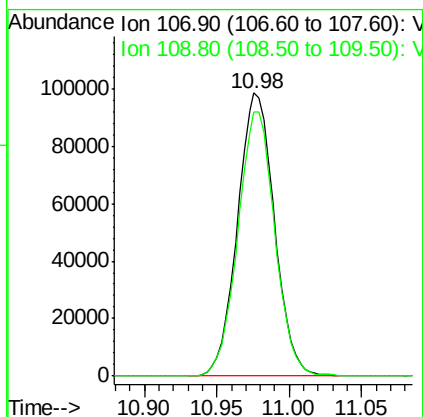
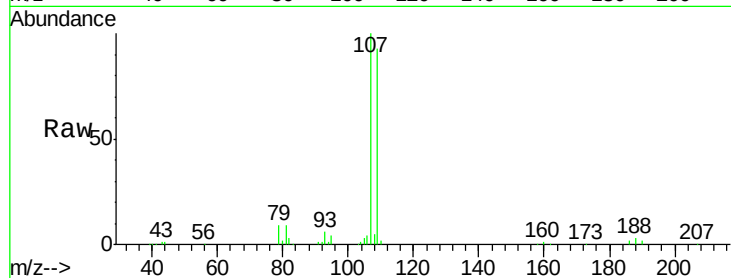
#61
 1,2-Dibromoethane
 Concen: 51.523 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

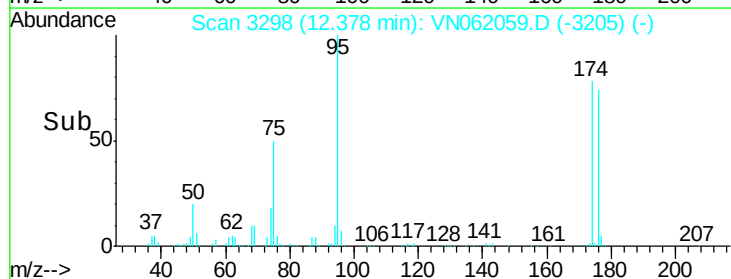
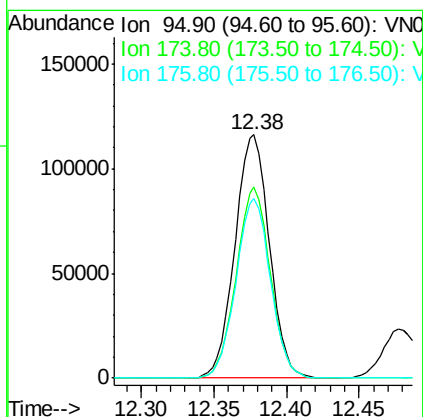
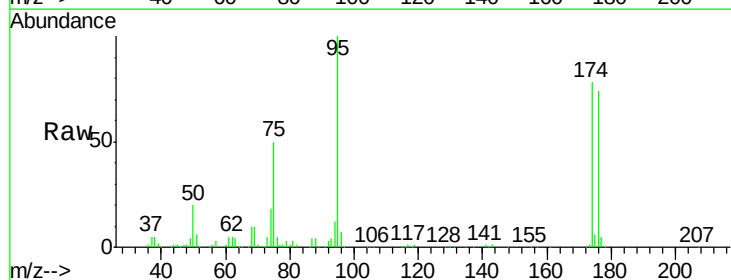
Manual Integrations
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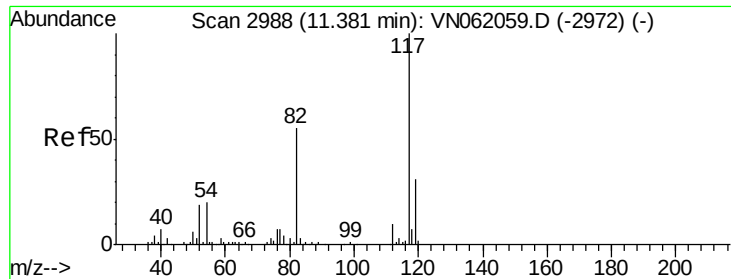
MMDadoda
 6/25/2020 6:10:10 PM



#62
 4-Bromofluorobenzene
 Concen: 47.376 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	154.8
176	73.7	0.0	147.4





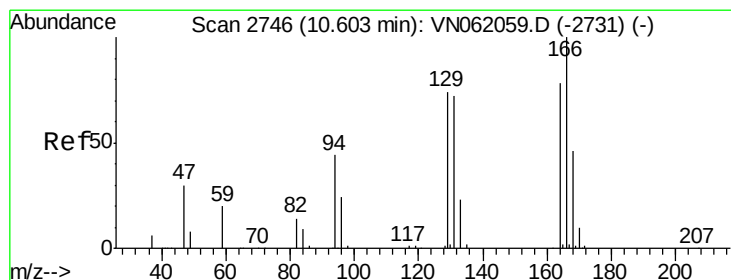
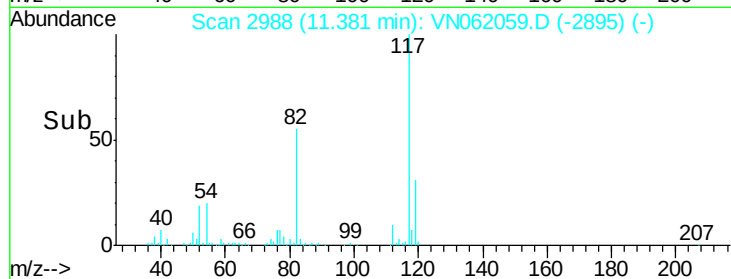
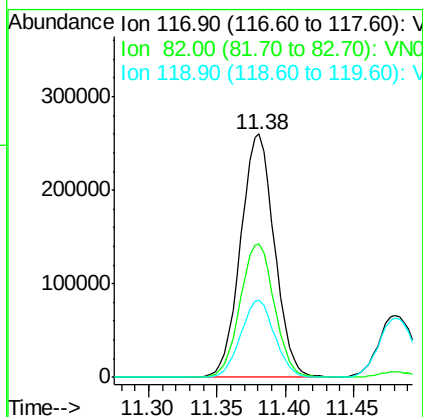
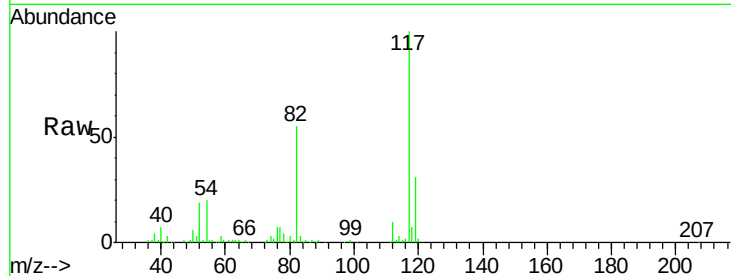
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.8	65.8
119	31.5	25.2	37.8

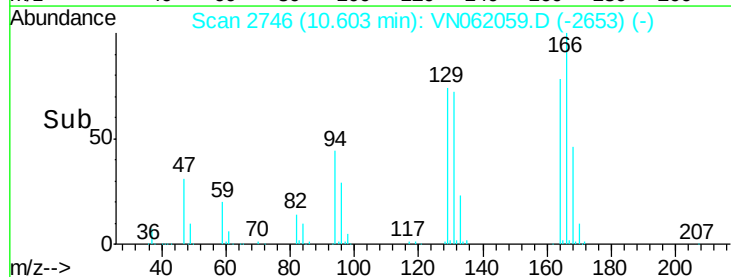
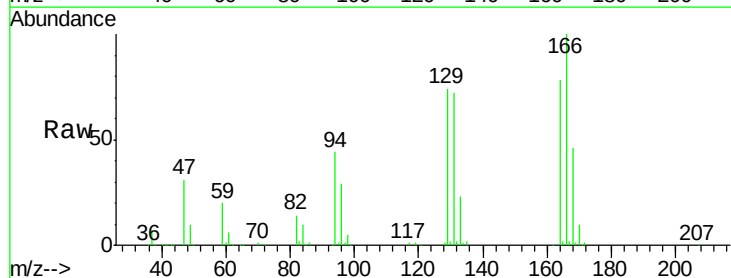
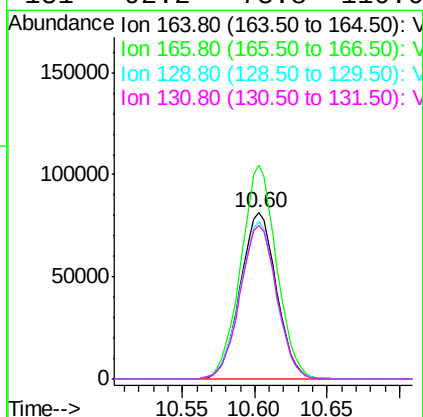
Manual Integrations
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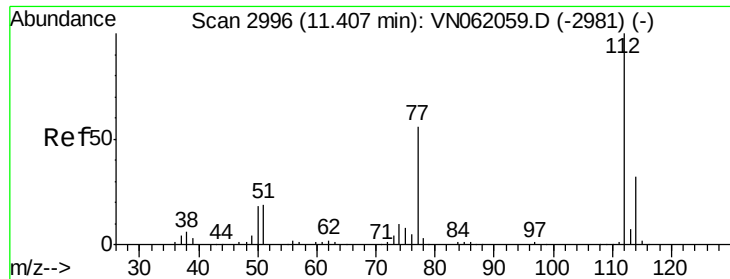
MMDadoda
6/25/2020 6:10:10 PM



#64
Tetrachloroethene
Concen: 49.660 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.9	154.3
129	94.8	75.8	113.8
131	92.2	73.8	110.6





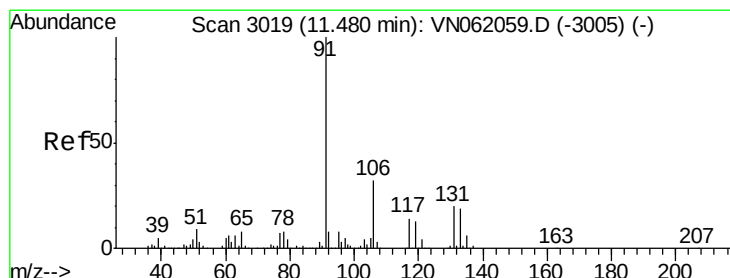
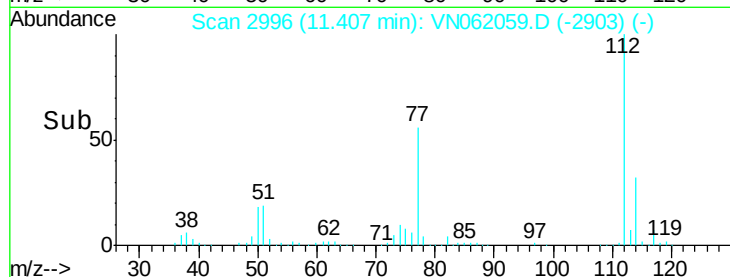
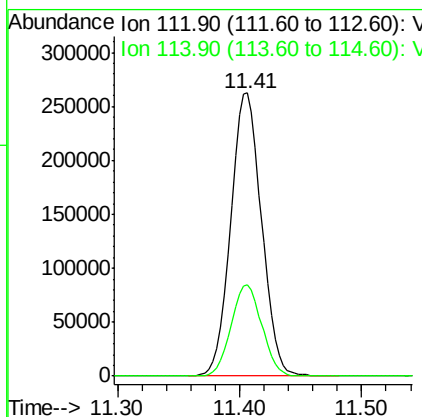
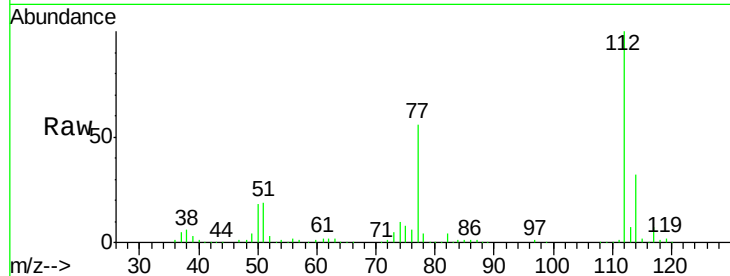
#65
Chlorobenzene
Concen: 48.760 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 461198
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

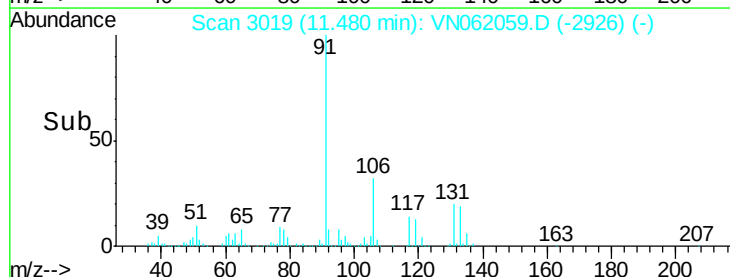
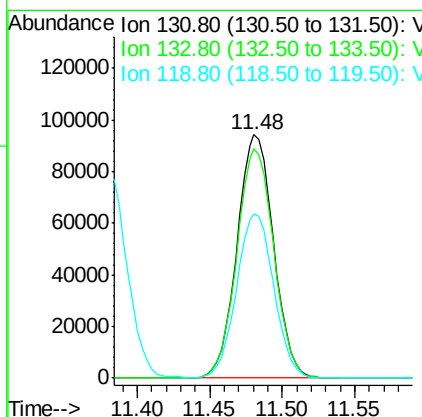
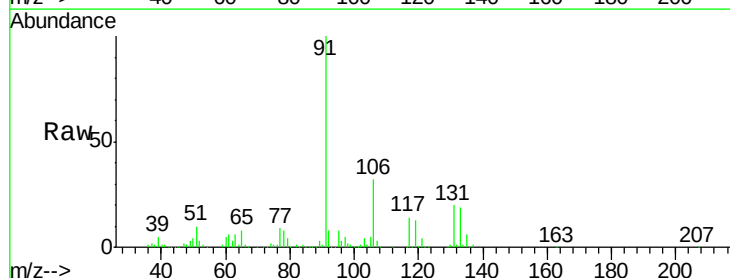
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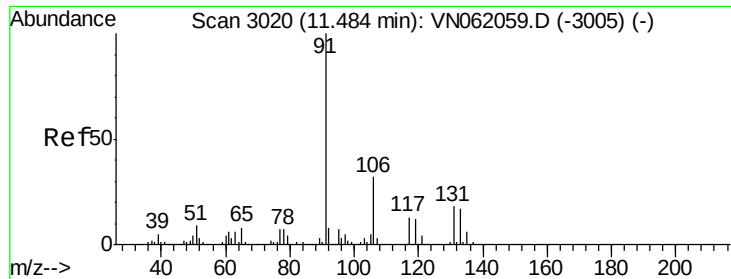
MMDadoda
6/25/2020 6:10:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.093 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion:131 Resp: 164623
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 68.9 34.4 103.3





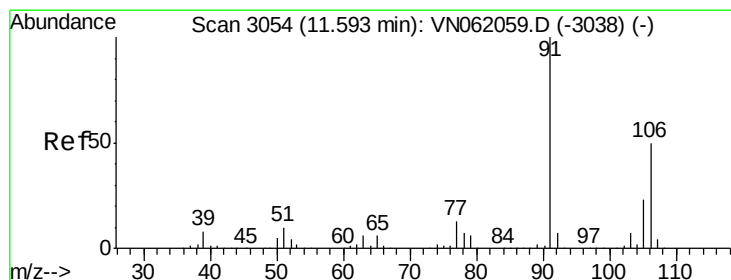
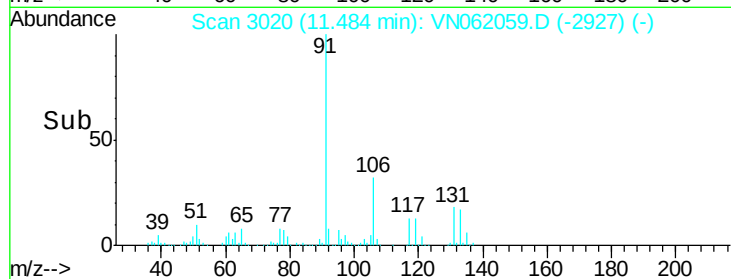
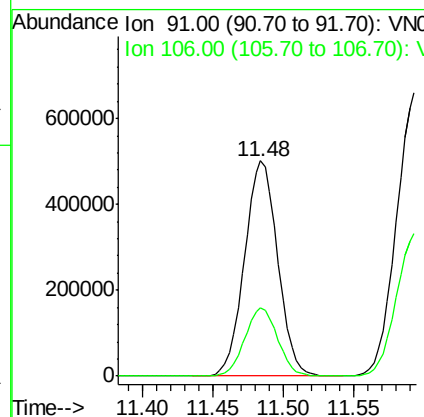
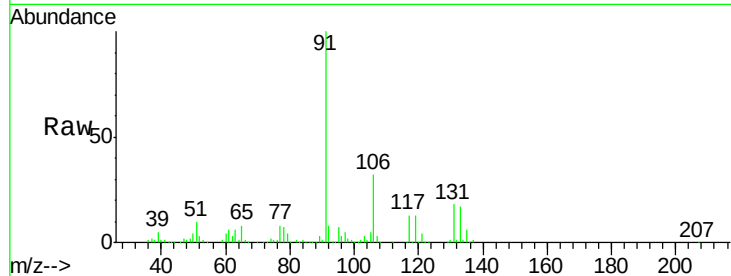
#67
Ethyl Benzene
Concen: 52.072 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 827562
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

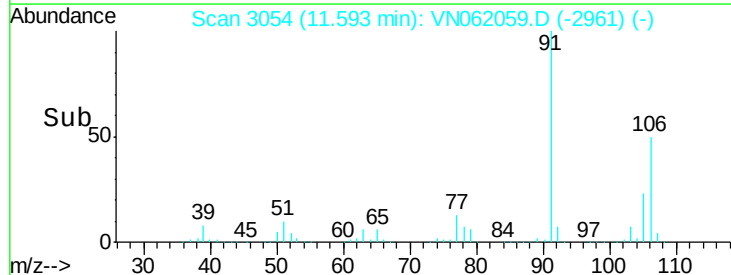
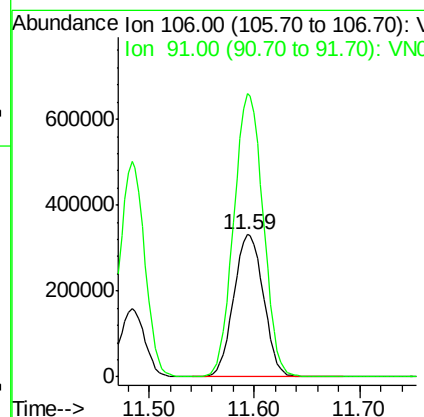
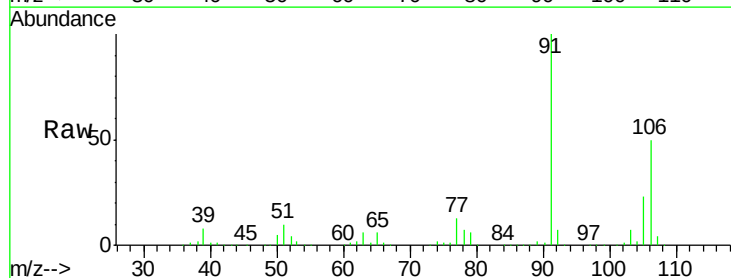
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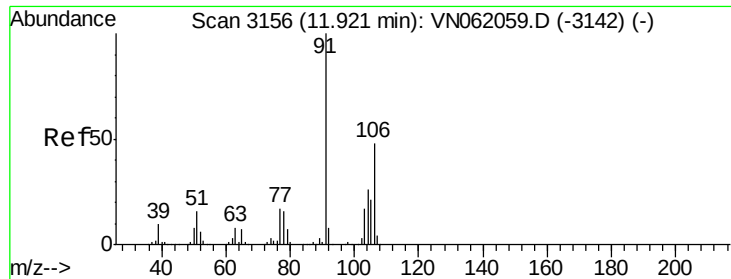
MMDadoda
6/25/2020 6:10:10 PM



#68
m/p-Xylenes
Concen: 105.290 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion: 106 Resp: 645363
Ion Ratio Lower Upper
106 100
91 197.3 157.8 236.8





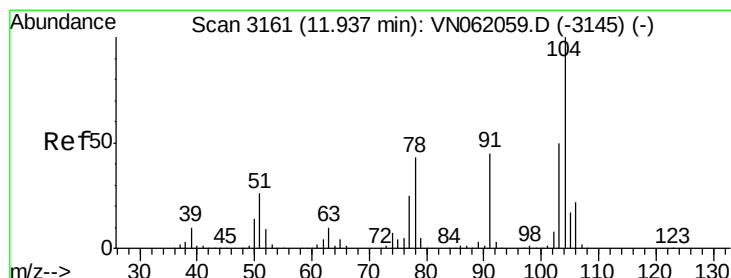
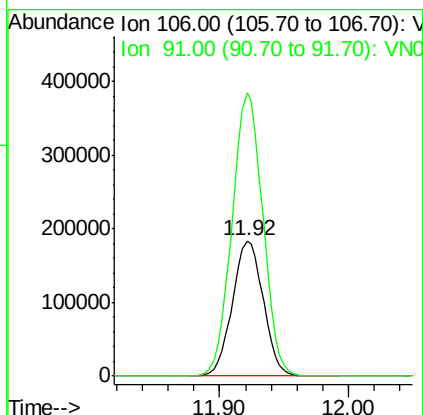
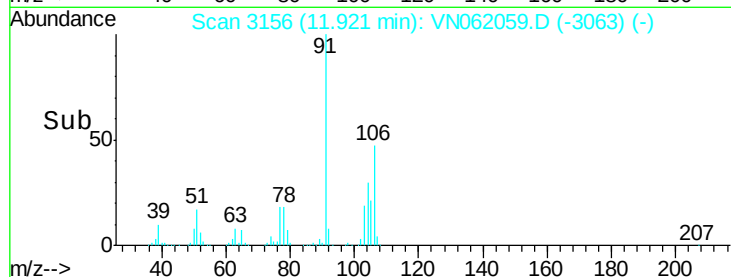
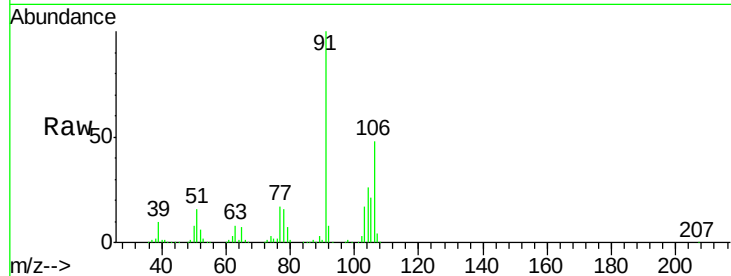
#69
o-Xylene
Concen: 52.576 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	207.9	104.0	311.9		

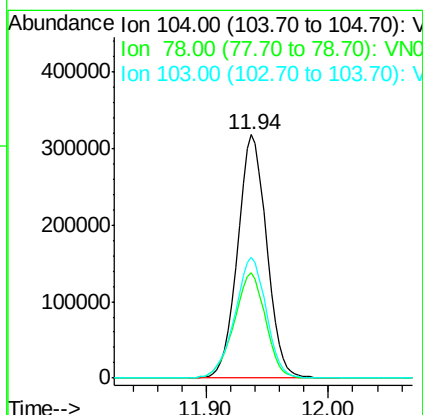
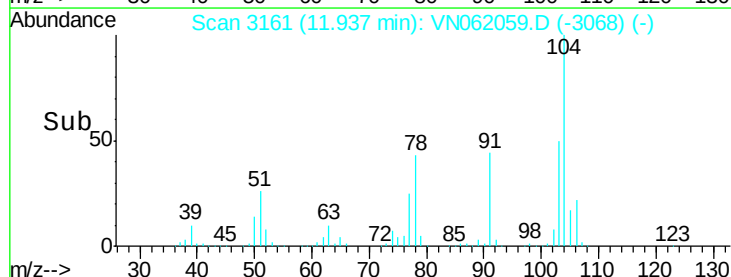
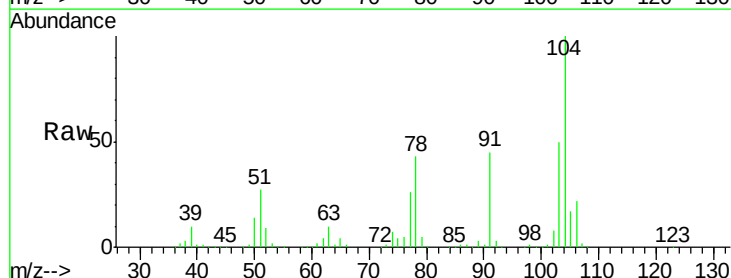
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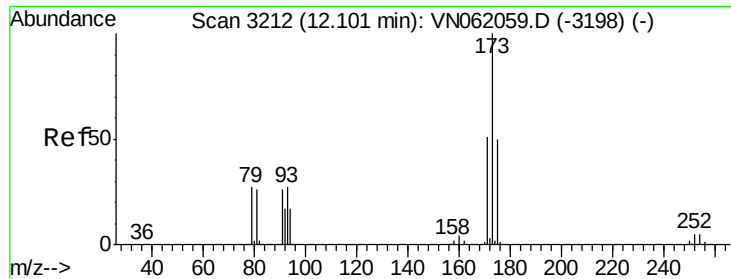
MMDadoda
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#70
Styrene
Concen: 53.529 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.1	37.7	56.5		
103	53.8	43.0	64.6		





#71

Bromoform

Concen: 50.598 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 120925

Ion Ratio Lower Upper

173 100

175 49.4 24.7 74.1

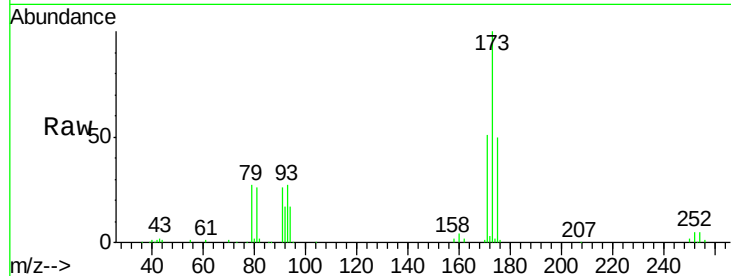
254 0.0 0.0 0.0

Manual Integrations

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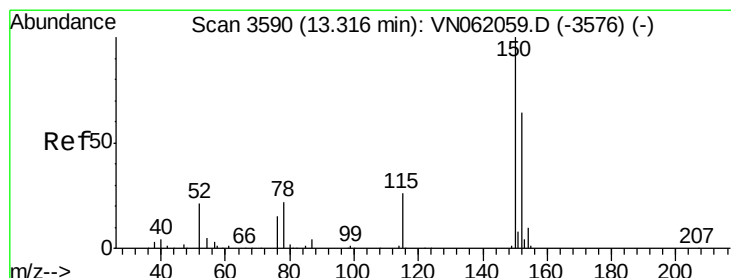
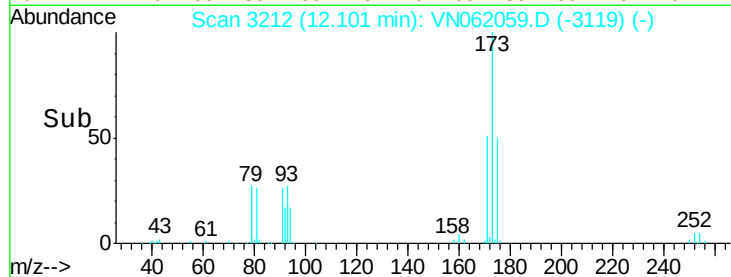
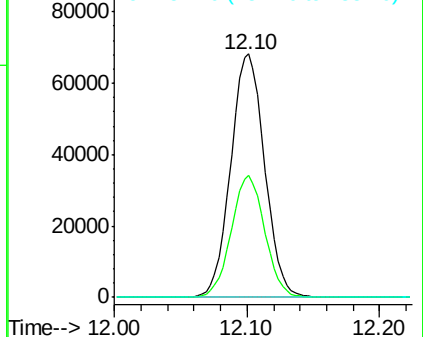
6/25/2020 6:10:10 PM



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# 3590

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

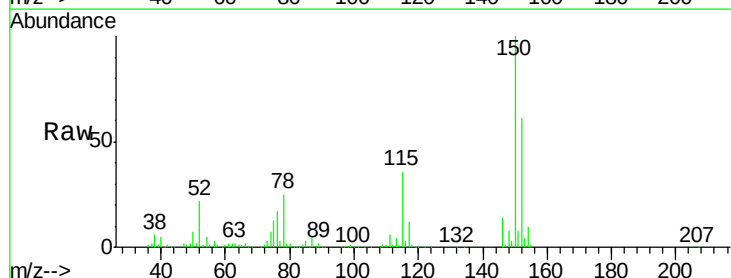
Tgt Ion:152 Resp: 215783

Ion Ratio Lower Upper

152 100

115 59.0 29.5 88.5

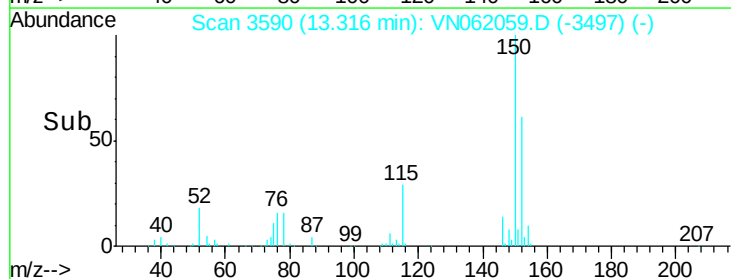
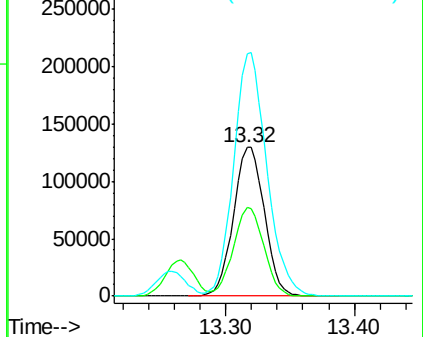
150 175.7 0.0 351.4

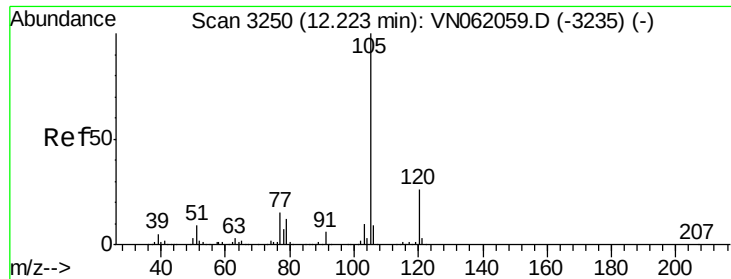


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





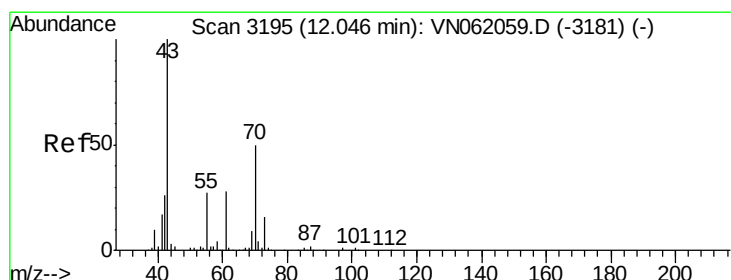
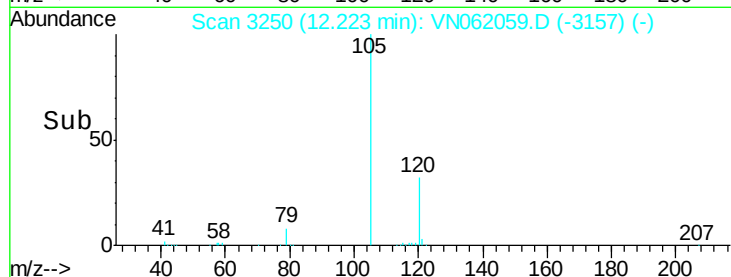
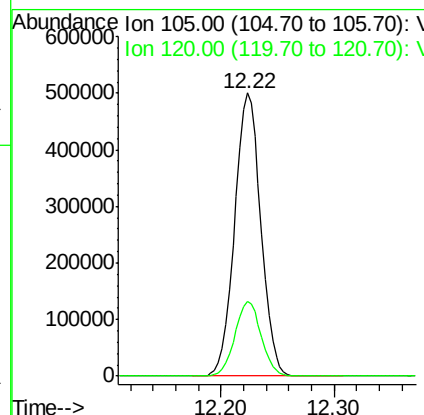
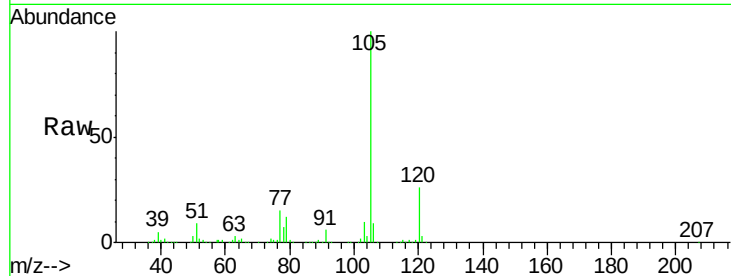
#73
Isopropylbenzene
Concen: 52.147 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

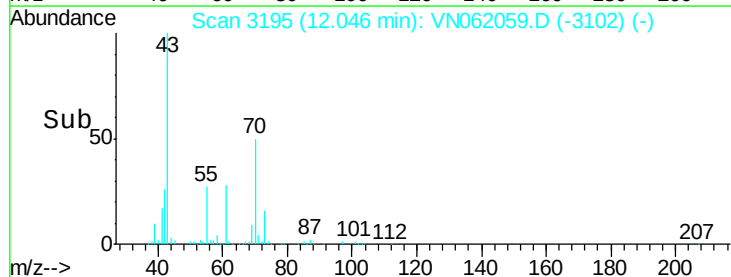
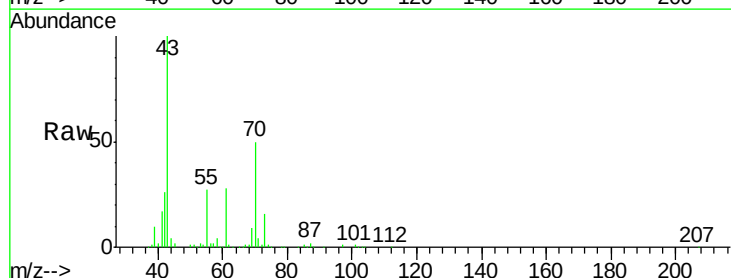
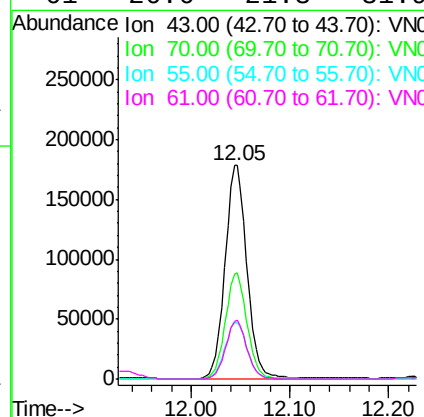
Manual Integrations
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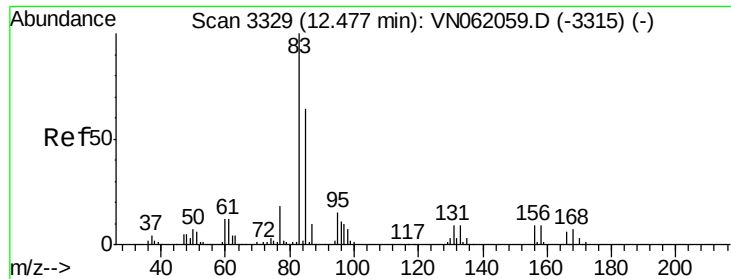
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#74
N-ethyl acetate
Concen: 55.964 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.3	39.4	59.2
55	27.1	21.7	32.5
61	26.6	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.416 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

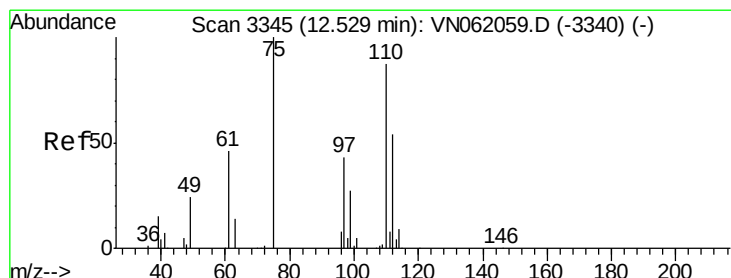
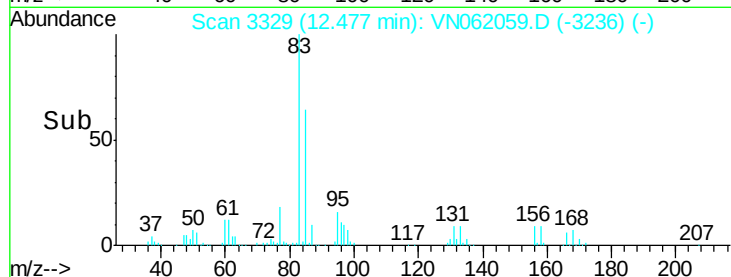
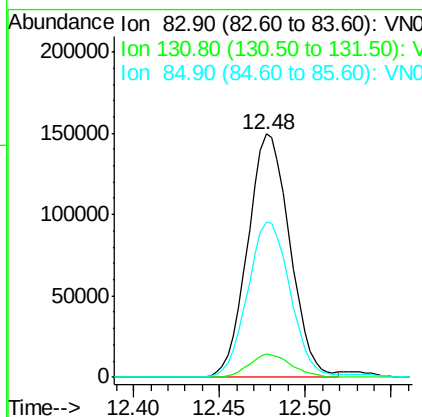
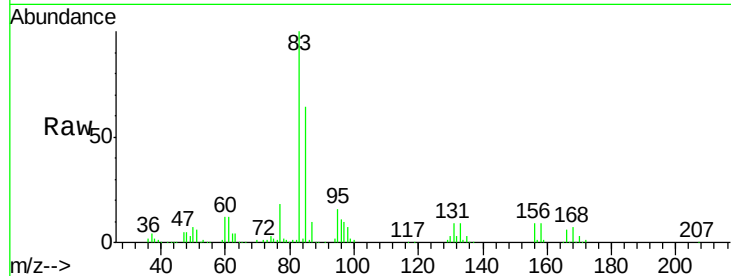
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	254517
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.4
85	64.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.188 ug/l m

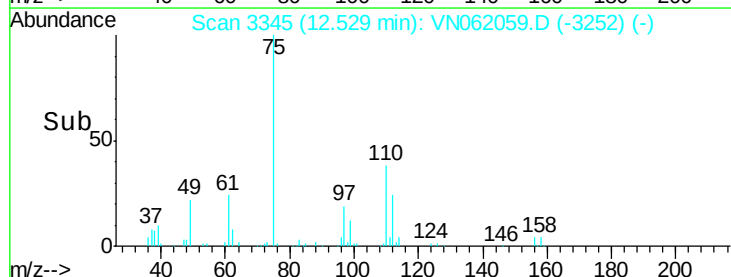
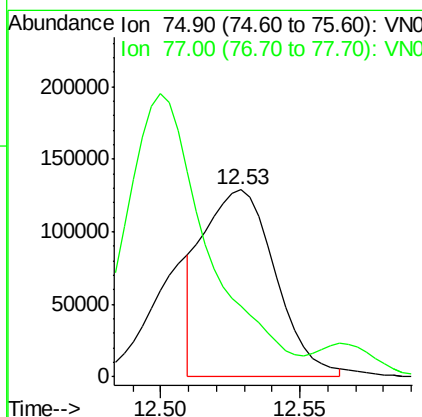
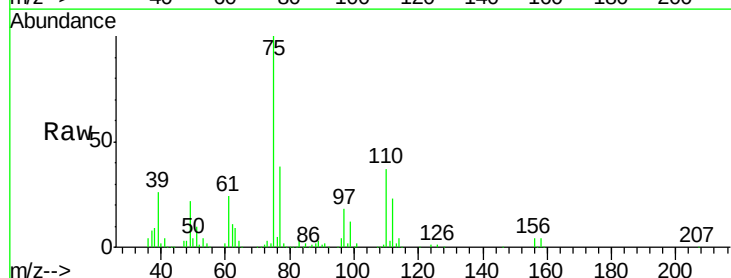
RT: 12.53 min Scan# 3345

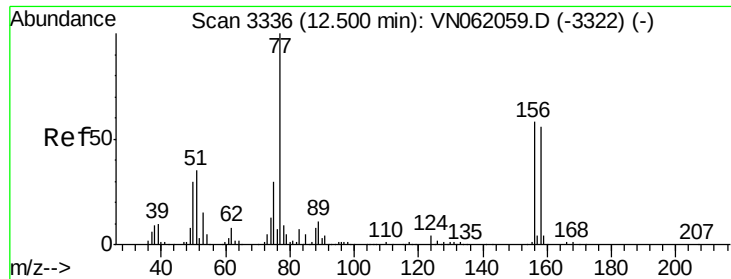
Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Tgt Ion:	75	Resp:	232810
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





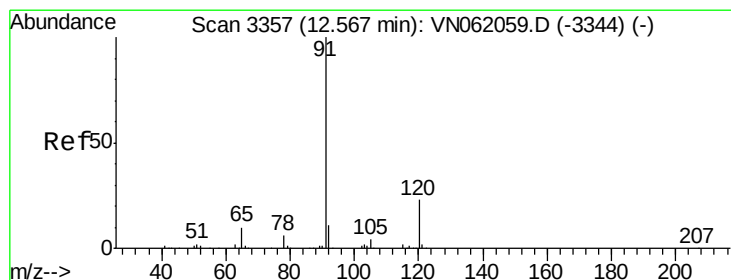
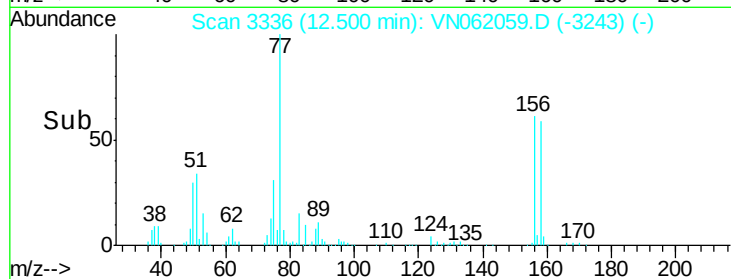
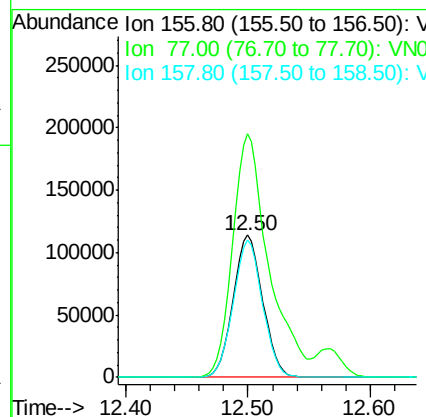
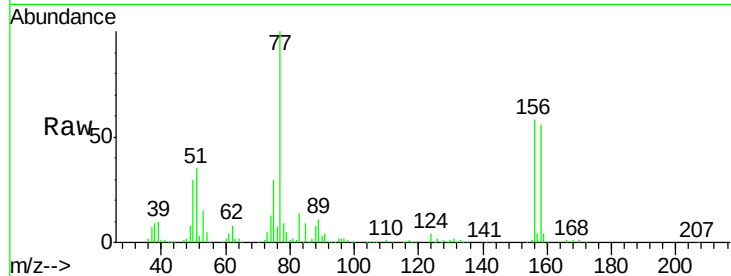
#77
Bromobenzene
Concen: 49.645 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	209.2	104.6	313.8
158	96.0	48.0	144.0

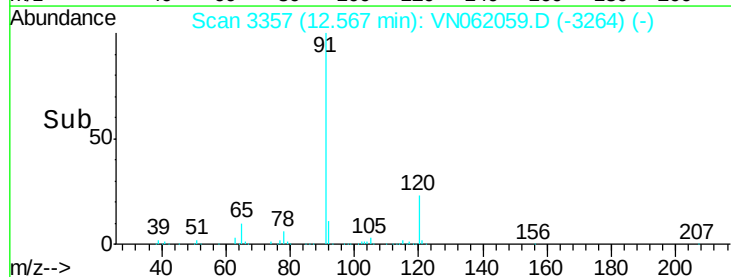
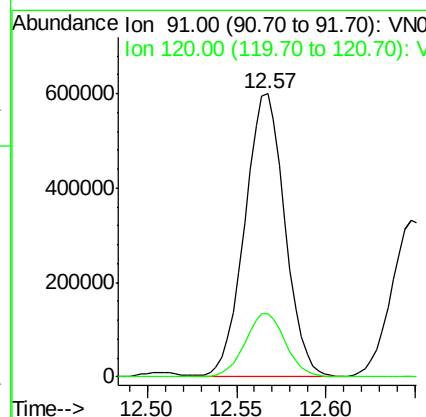
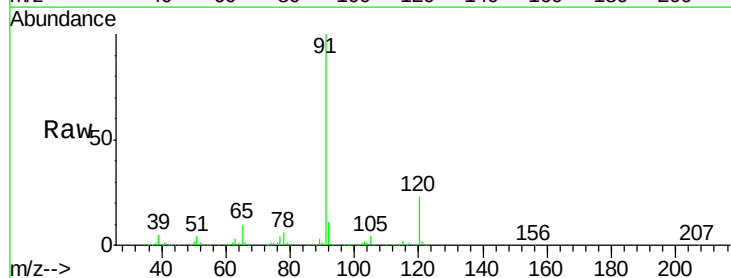
Manual Integrations
APPROVED

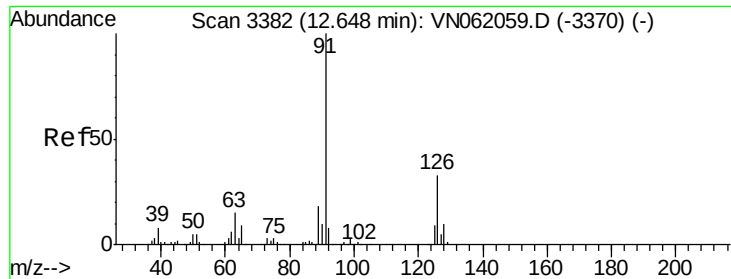
MMDadoda
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#78
n-propylbenzene
Concen: 52.901 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 51.583 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 546619

Ion Ratio Lower Upper

91 100

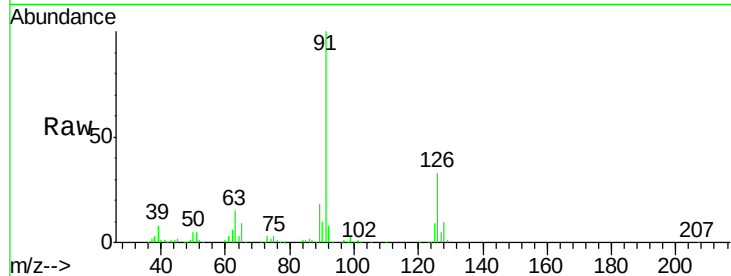
126 33.8 16.9 50.7

Manual Integrations

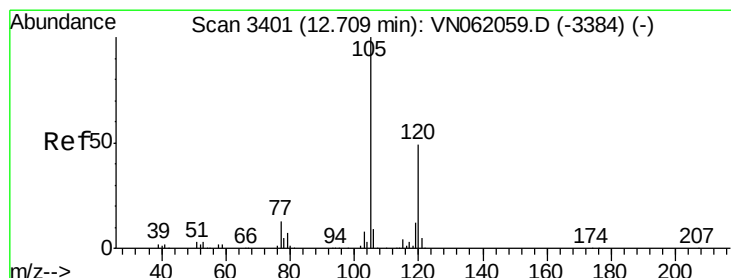
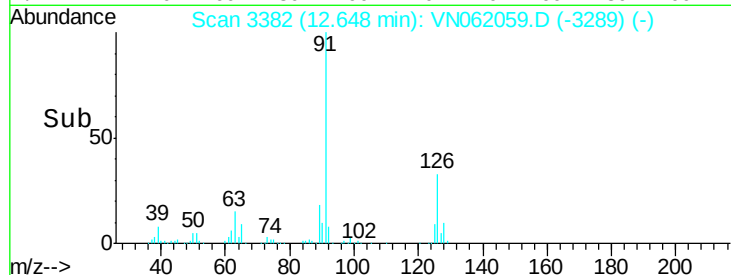
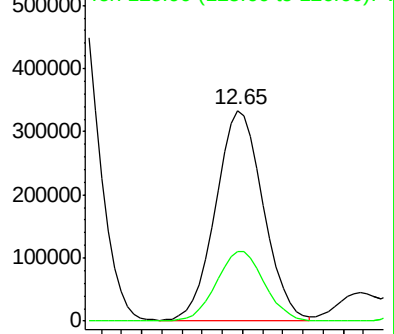
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Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.436 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062059.D

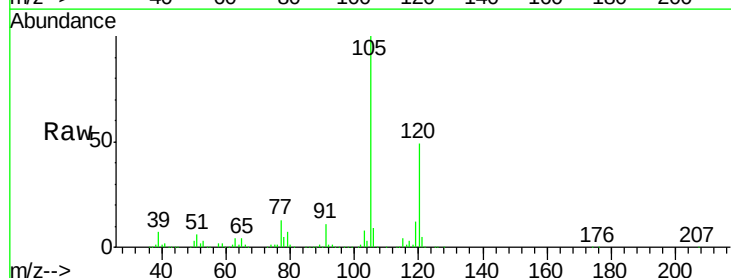
Acq: 24 Jun 2020 10:54

Tgt Ion: 105 Resp: 667303

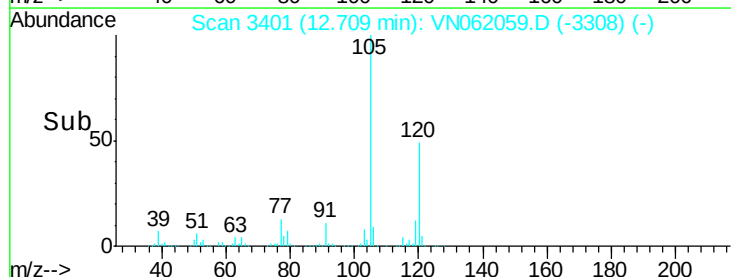
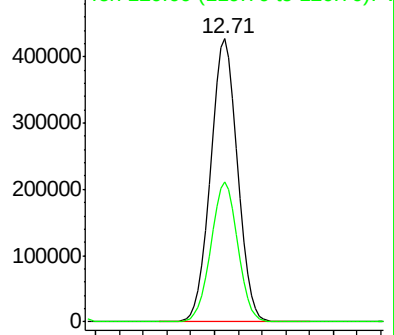
Ion Ratio Lower Upper

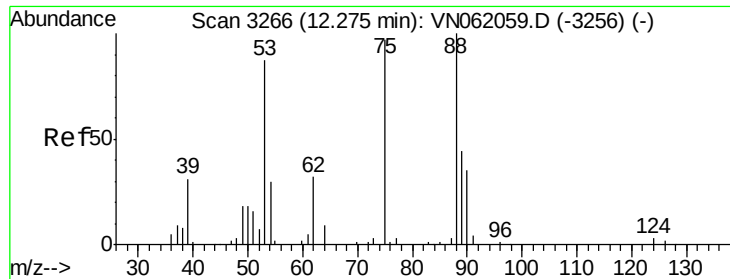
105 100

120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062059.D (-3384) (-)





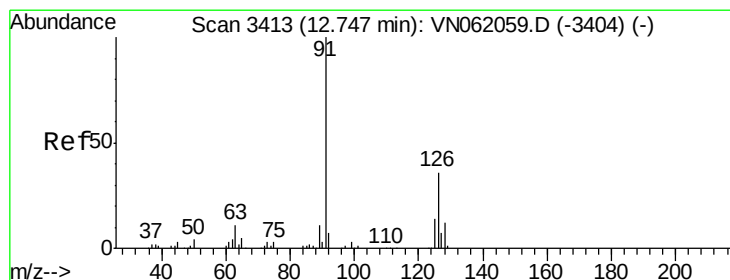
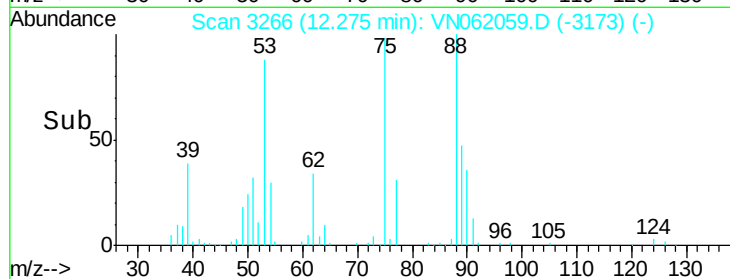
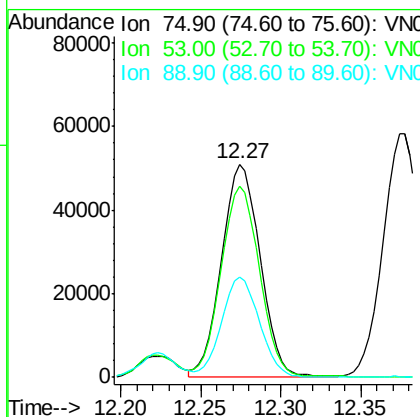
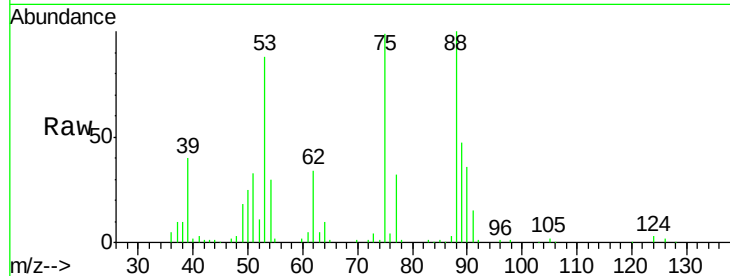
#81
trans-1,4-Dichloro-2-butene
Concen: 53.387 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	72.0	108.0
89	46.1	36.9	55.3

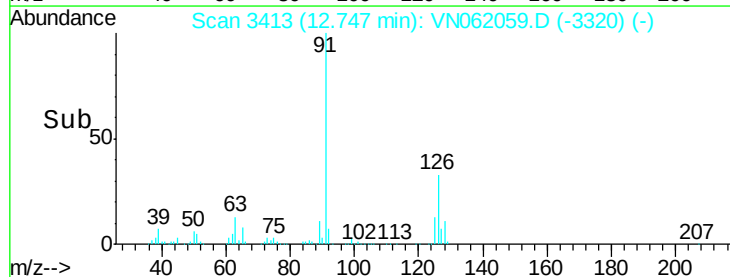
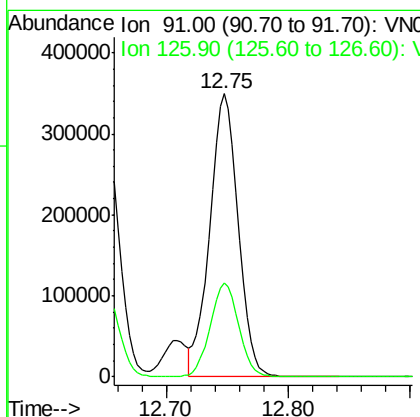
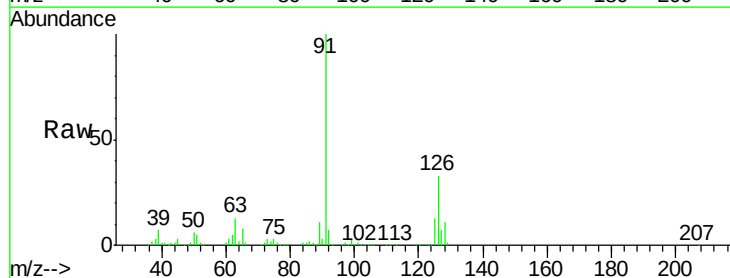
Manual Integrations
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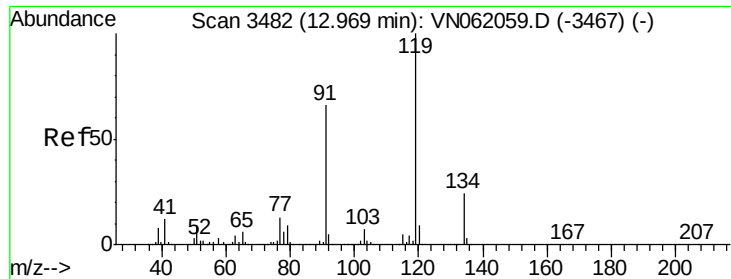
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.006 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1





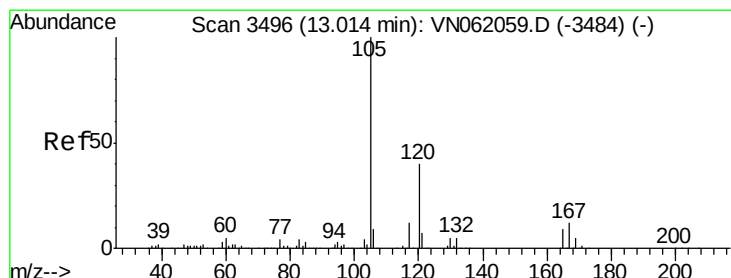
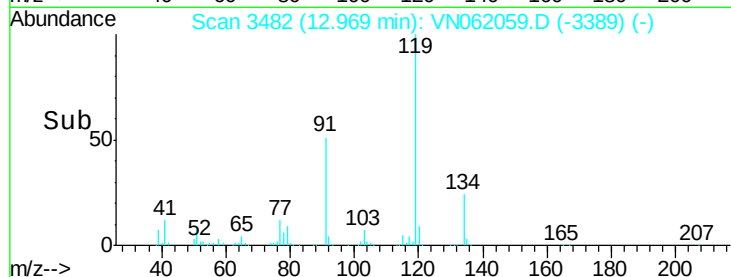
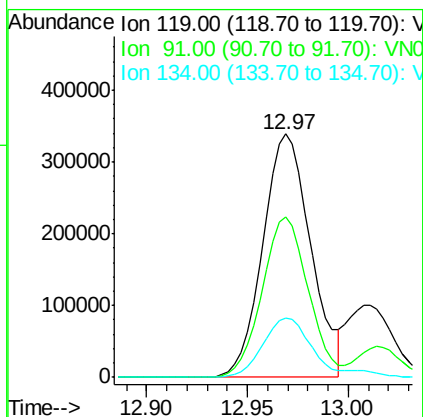
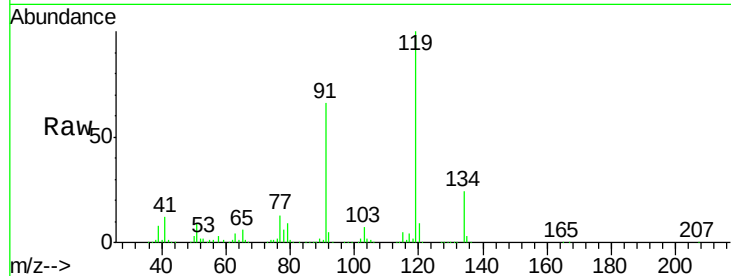
#83
 tert-Butylbenzene
 Concen: 52.053 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.7	95.1
134	26.1	13.1	39.1

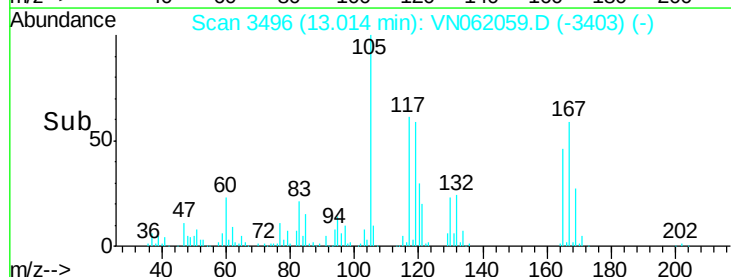
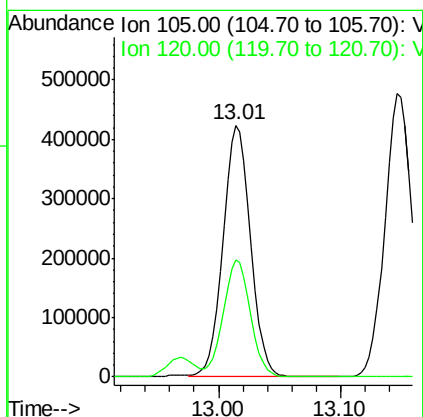
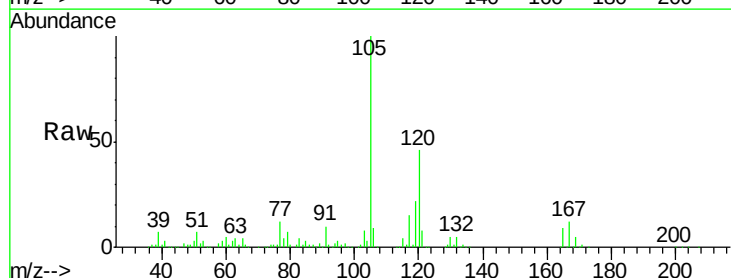
Manual Integrations
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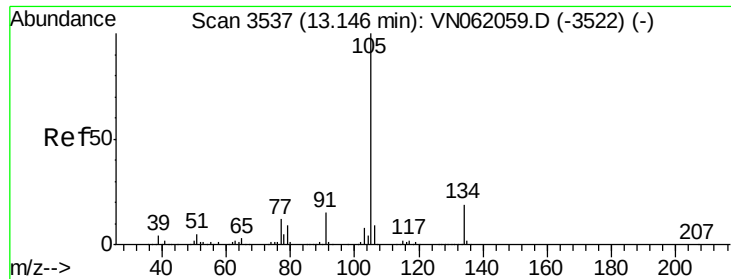
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.201 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





#85

sec-Butylbenzene

Concen: 52.686 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 746119

Ion Ratio Lower Upper

105 100

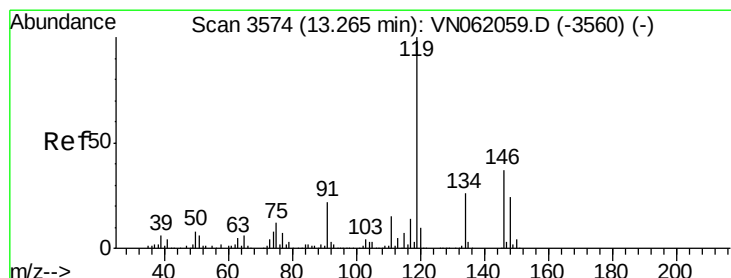
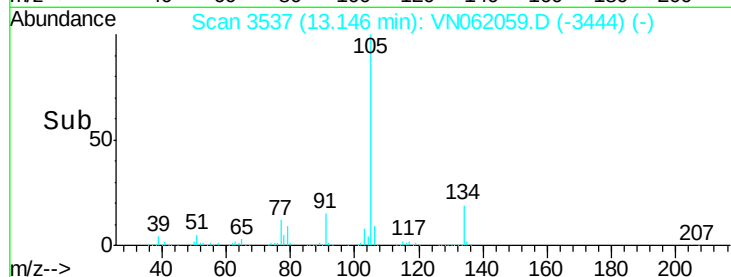
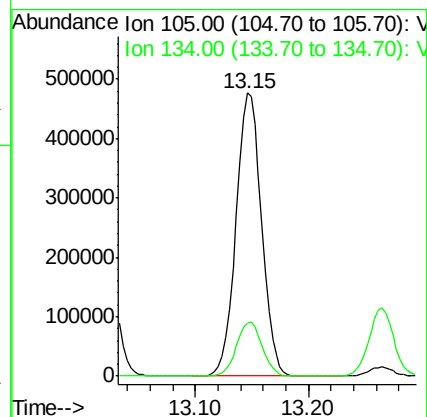
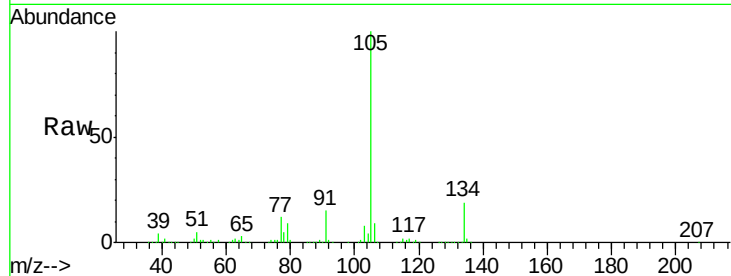
134 19.4 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.257 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062059.D

Acq: 24 Jun 2020 10:54

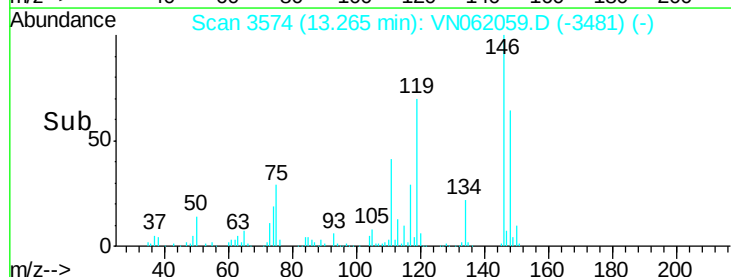
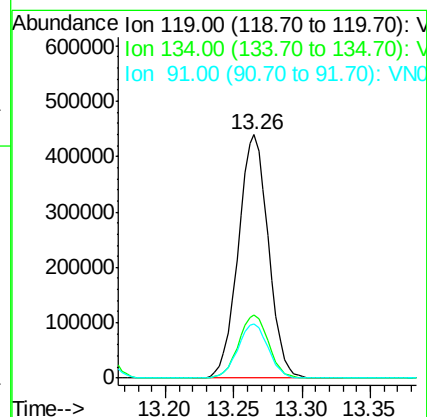
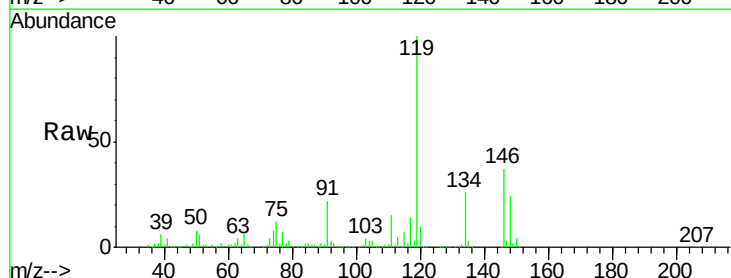
Tgt Ion:119 Resp: 669524

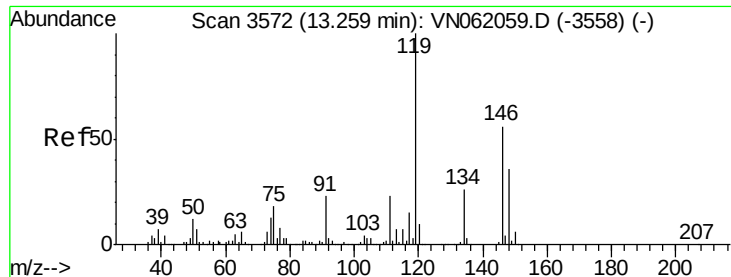
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 22.5 11.3 33.8





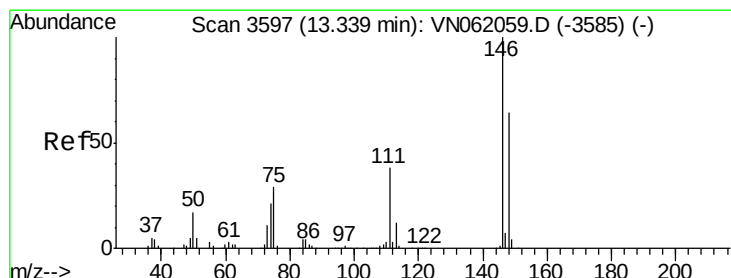
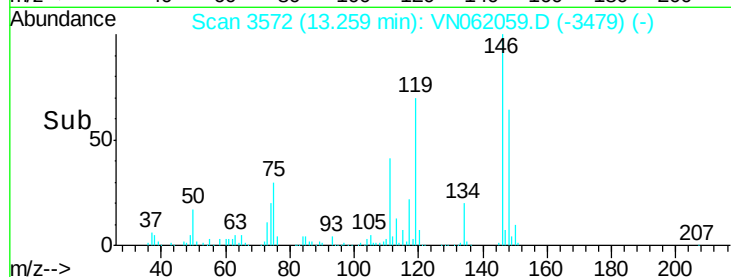
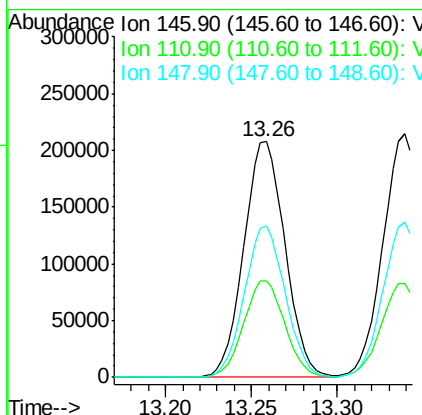
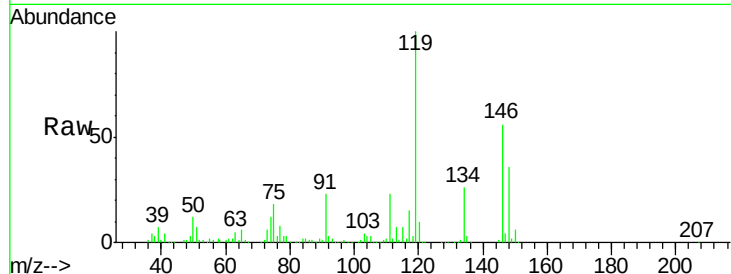
#87
 1,3-Dichlorobenzene
 Concen: 49.231 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	63.5	31.8	95.3

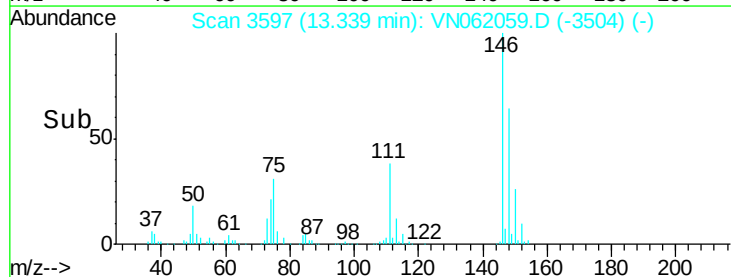
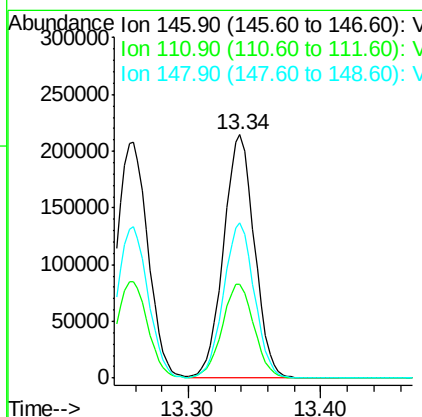
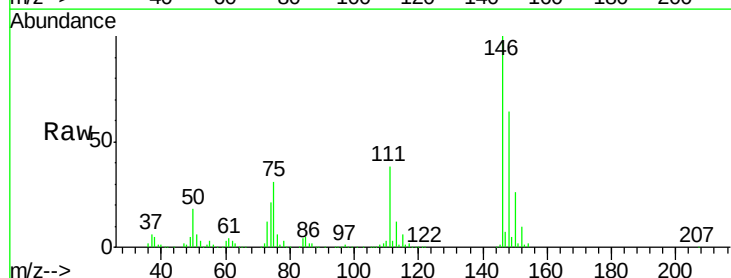
Manual Integrations
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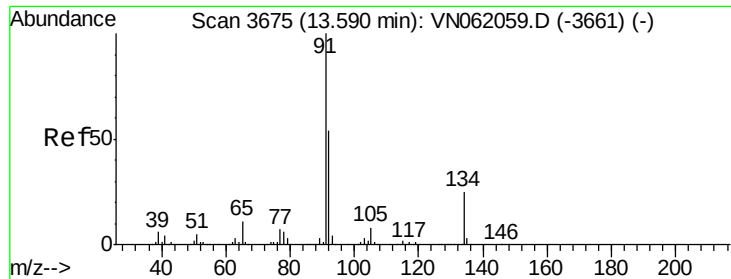
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#88
 1,4-Dichlorobenzene
 Concen: 48.105 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	63.9	31.9	95.9





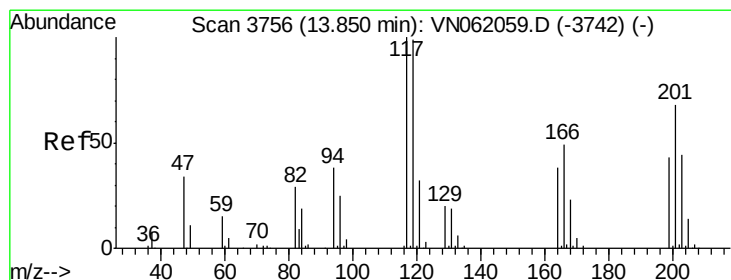
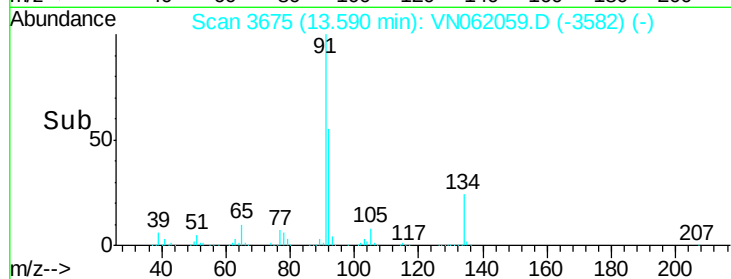
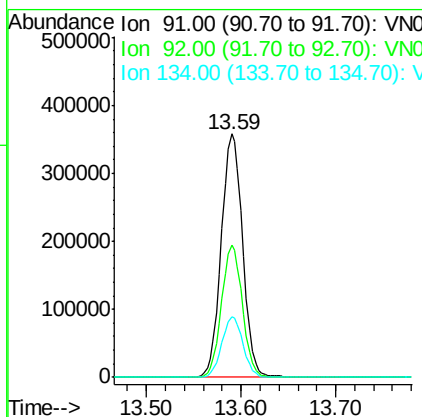
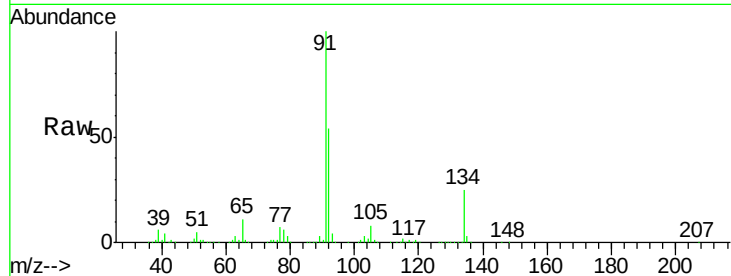
#89
n-Butylbenzene
Concen: 53.295 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.6	12.3	36.9

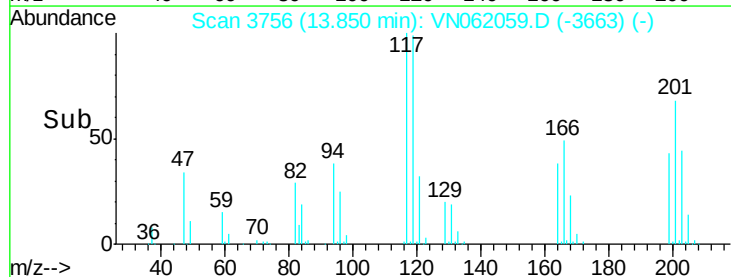
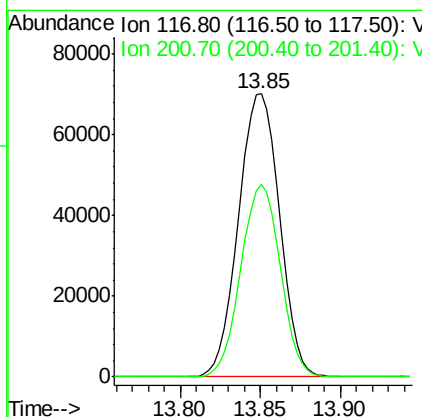
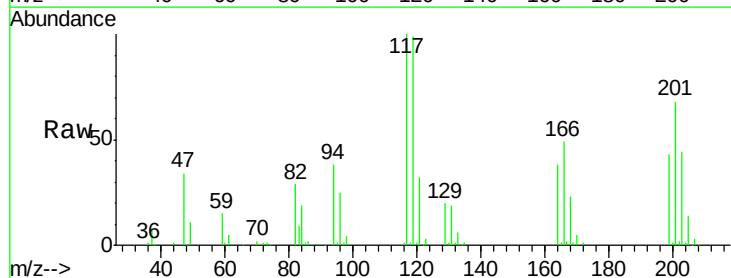
Manual Integrations
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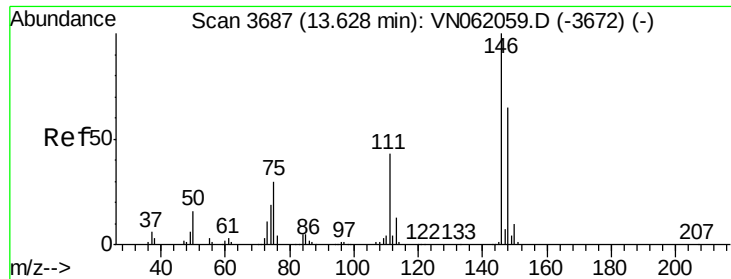
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#90
Hexachloroethane
Concen: 53.134 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.4	32.7	98.1





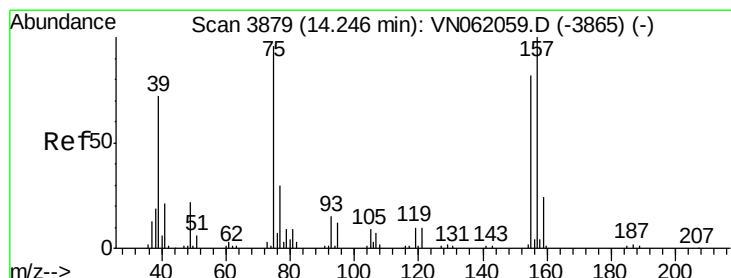
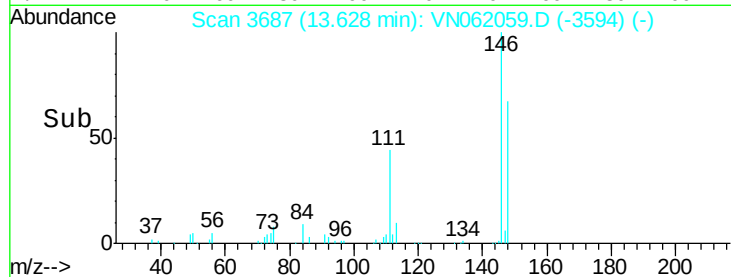
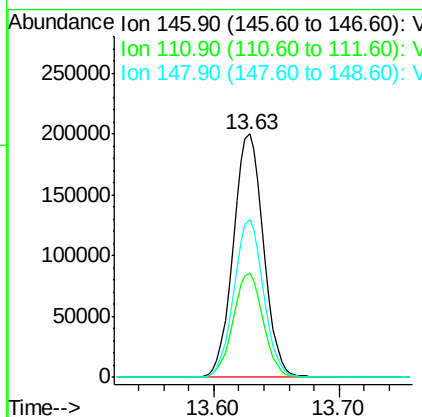
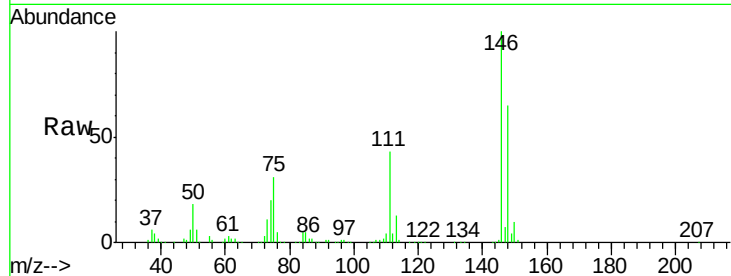
#91
 1,2-Dichlorobenzene
 Concen: 49.500 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	63.7	31.9	95.5

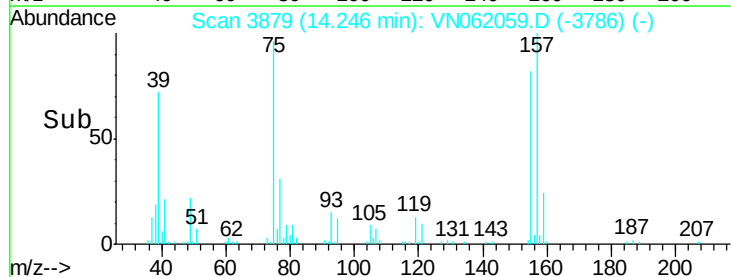
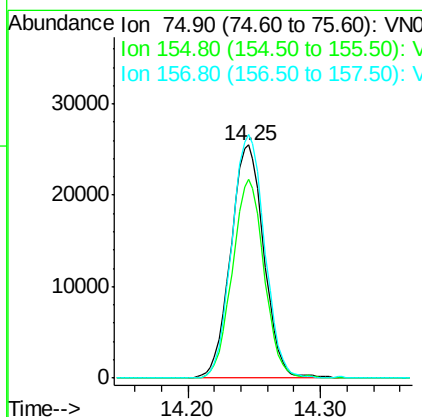
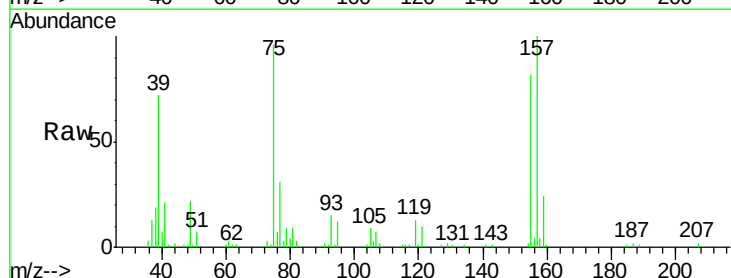
Manual Integrations
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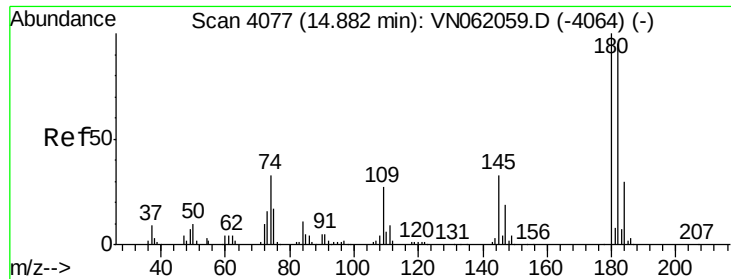
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.187 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.8	122.4
157	102.9	51.4	154.3





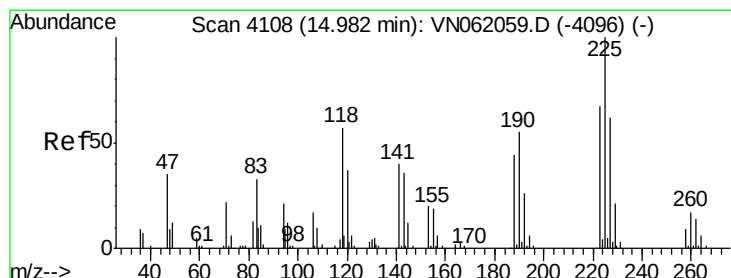
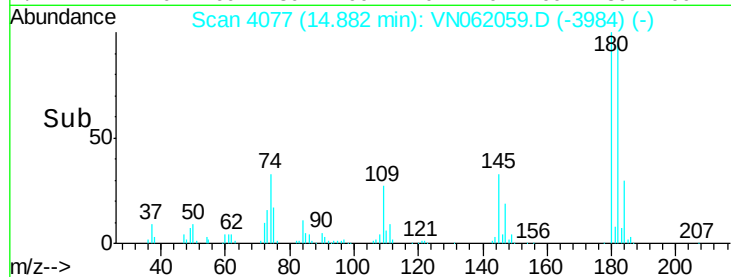
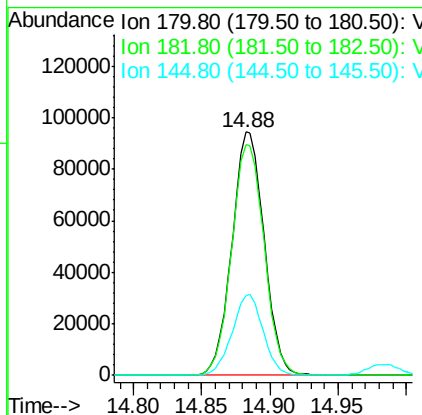
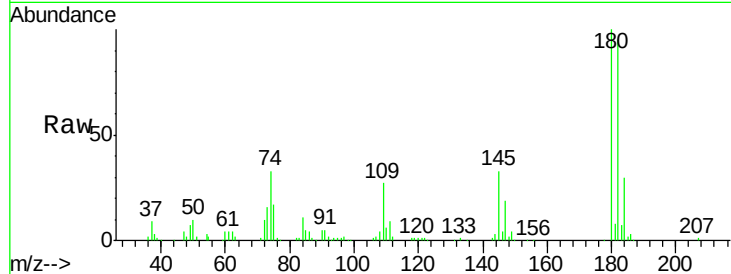
#93
 1,2,4-Trichlorobenzene
 Concen: 48.849 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	154659		
182	96.1	48.0	144.2	
145	32.0	16.0	48.0	

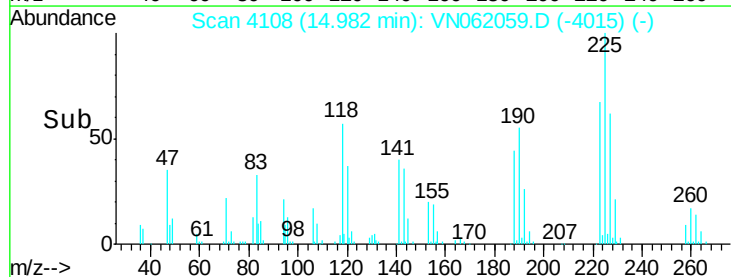
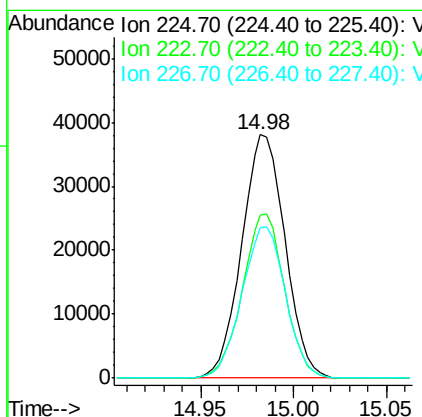
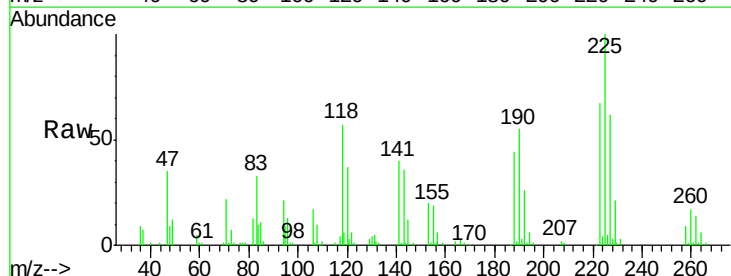
Manual Integrations
 APPROVED

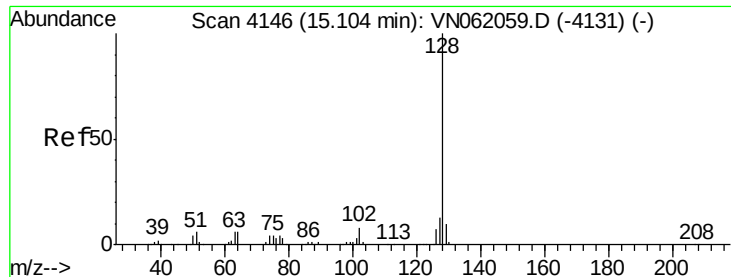
MMDadoda
 6/25/2020 6:10:10 PM



#94
 Hexachlorobutadiene
 Concen: 49.393 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062059.D
 Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62017		
223	65.8	32.9	98.7	
227	62.5	31.3	93.8	





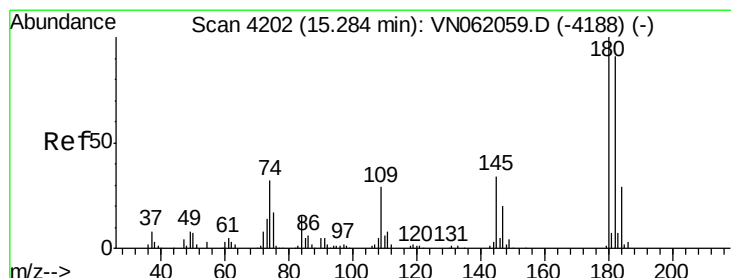
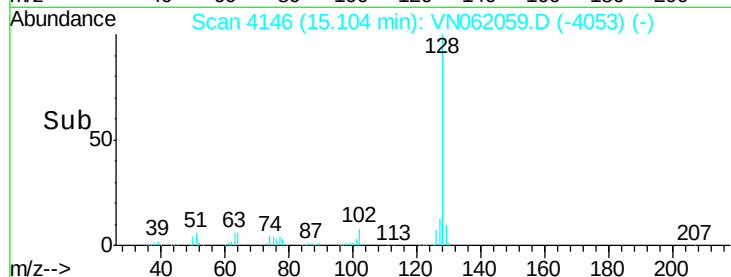
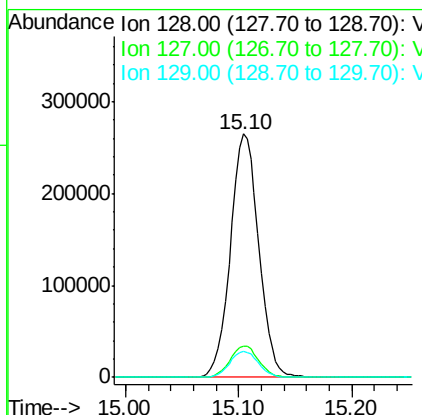
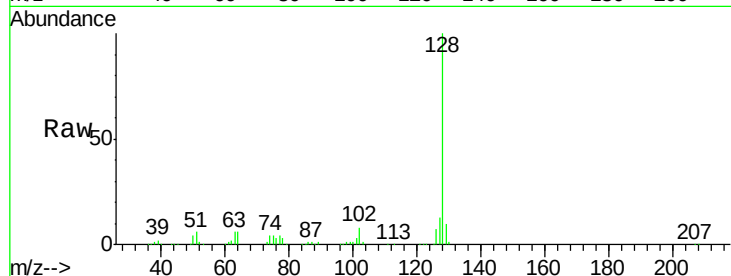
#95
Naphthalene
Concen: 50.456 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/25/2020 6:10:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.262 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062059.D
Acq: 24 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.8	140.4
145	32.8	16.4	49.2

