

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062449.D
 Acq On : 9 Jul 2020 11:51
 Operator : JC/MD
 Sample : VN0709WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 9:23:41 AM

Quant Time: Jul 09 12:57:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	410877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	374967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	184908	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.55	113	130929	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.06	98	521709	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.37	95	189737	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	46192	19.021	ug/l	96
3) Chloromethane	2.04	50	70143	18.001	ug/l	99
4) Vinyl Chloride	2.16	62	63486	19.887	ug/l	99
5) Bromomethane	2.53	94	27712	16.163	ug/l	95
6) Chloroethane	2.67	64	37931	20.400	ug/l	95
7) Trichlorofluoromethane	2.98	101	80707	19.906	ug/l	98
8) Diethyl Ether	3.37	74	36449	20.105	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49862	20.746	ug/l	99
10) Methyl Iodide	3.91	142	37261	11.741	ug/l	100
11) Tert butyl alcohol	4.73	59	55140	90.646	ug/l	99
12) 1,1-Dichloroethene	3.70	96	48381	19.771	ug/l	95
13) Acrolein	3.57	56	36259	82.630	ug/l	99
14) Allyl chloride	4.27	41	105860	18.394	ug/l	95
15) Acrylonitrile	4.93	53	156949	98.378	ug/l	99
16) Acetone	3.78	43	141291	90.754	ug/l	98
17) Carbon Disulfide	4.01	76	142491	18.583	ug/l	99
18) Methyl Acetate	4.28	43	72005	18.533	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	188138	20.279	ug/l	98
20) Methylene Chloride	4.50	84	59469	17.865	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	51576	19.455	ug/l	97
22) Diisopropyl ether	5.90	45	220935	19.431	ug/l	98
23) Vinyl Acetate	5.84	43	919196	97.590	ug/l	99
24) 1,1-Dichloroethane	5.80	63	113701	19.352	ug/l	99
25) 2-Butanone	6.79	43	218243	95.986	ug/l	96
26) 2,2-Dichloropropane	6.78	77	90939	20.186	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	60930	19.843	ug/l	98
28) Bromochloromethane	7.15	49	59982	18.791	ug/l	96
29) Tetrahydrofuran	7.17	42	146965	96.007	ug/l	98
30) Chloroform	7.33	83	106505	20.076	ug/l	97
31) Cyclohexane	7.61	56	104240	18.715	ug/l	# 91
32) 1,1,1-Trichloroethane	7.53	97	88206	19.989	ug/l	99
36) 1,1-Dichloropropene	7.75	75	82123	19.839	ug/l	99
37) Ethyl Acetate	6.88	43	88995	18.386	ug/l	97
38) Carbon Tetrachloride	7.73	117	75197	20.206	ug/l	98

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 7/10/2020 9:23:41 AM

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	89591	20.272	ug/l	98
40) Benzene	8.00	78	238415	19.542	ug/l	99
41) Methacrylonitrile	7.13	41	40495	20.024	ug/l	97
42) 1,2-Dichloroethane	8.09	62	89958	20.137	ug/l	100
43) Isopropyl Acetate	8.13	43	151890	19.864	ug/l #	92
44) Trichloroethene	8.80	130	53864	19.899	ug/l	95
45) 1,2-Dichloropropane	9.09	63	69093	19.509	ug/l	97
46) Dibromomethane	9.18	93	40409	20.218	ug/l	99
47) Bromodichloromethane	9.37	83	85225	19.945	ug/l	97
48) Methyl methacrylate	9.17	41	71187	18.979	ug/l	96
49) 1,4-Dioxane	9.17	88	21137	387.167	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	456034	99.852	ug/l	99
52) Toluene	10.12	92	142957	20.286	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	95883	20.029	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	103548	19.604	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	56600	20.422	ug/l	97
56) Ethyl methacrylate	10.40	69	93601	19.434	ug/l	97
57) 1,3-Dichloropropane	10.68	76	104798	20.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	156547	95.207	ug/l	98
59) 2-Hexanone	10.72	43	328285	99.013	ug/l	99
60) Dibromochloromethane	10.87	129	59040	19.646	ug/l	98
61) 1,2-Dibromoethane	10.98	107	57058	20.394	ug/l	99
64) Tetrachloroethene	10.60	164	45773	20.572	ug/l	98
65) Chlorobenzene	11.41	112	146997	20.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	53446	19.887	ug/l	97
67) Ethyl Benzene	11.48	91	276623	20.222	ug/l	99
68) m/p-Xylenes	11.59	106	195441	40.359	ug/l	99
69) o-Xylene	11.92	106	95871	20.333	ug/l	99
70) Styrene	11.94	104	160984	20.659	ug/l	99
71) Bromoform	12.10	173	39965	20.286	ug/l #	97
73) Isopropylbenzene	12.22	105	259758	20.681	ug/l	99
74) N-amyl acetate	12.04	43	127380	20.837	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	86489	20.480	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	76221m	19.139	ug/l	
77) Bromobenzene	12.50	156	58352	20.436	ug/l	98
78) n-propylbenzene	12.56	91	304919	20.783	ug/l	100
79) 2-Chlorotoluene	12.65	91	184394	20.708	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	217580	21.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	27116	18.224	ug/l	96
82) 4-Chlorotoluene	12.75	91	185100	20.476	ug/l	98
83) tert-Butylbenzene	12.97	119	181831	20.810	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	211333	20.649	ug/l	98
85) sec-Butylbenzene	13.15	105	243130	20.998	ug/l	99
86) p-Isopropyltoluene	13.26	119	214293	21.444	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	100552	20.413	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	100694	19.866	ug/l	98
89) n-Butylbenzene	13.59	91	180619	20.469	ug/l	99
90) Hexachloroethane	13.85	117	38749	19.711	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	97709	20.515	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	15778	20.473	ug/l	98

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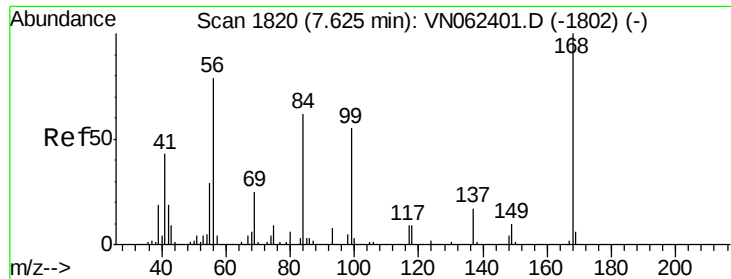
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	45317	21.250	ug/l	98
94) Hexachlorobutadiene	14.98	225	26378	20.859	ug/l	98
95) Naphthalene	15.10	128	136028	23.481	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	48801	21.024	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion:168 Resp: 238409

Ion Ratio Lower Upper

168 100

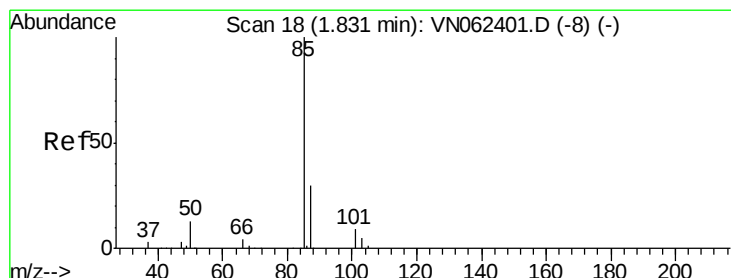
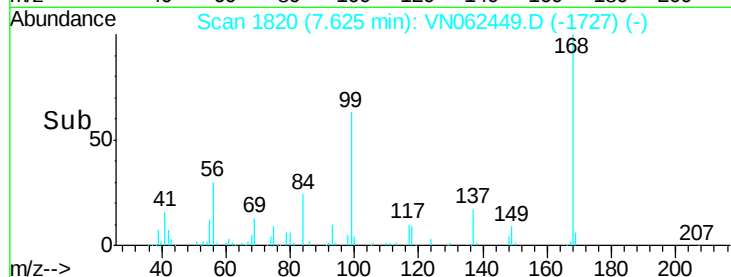
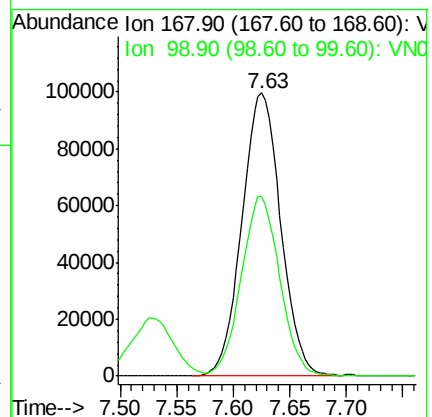
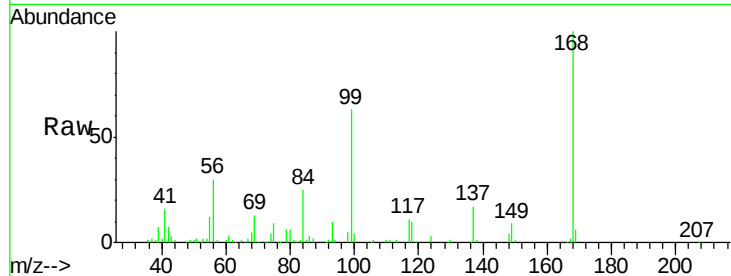
99 63.1 48.8 73.2

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#2

Dichlorodifluoromethane

Concen: 19.021 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062449.D

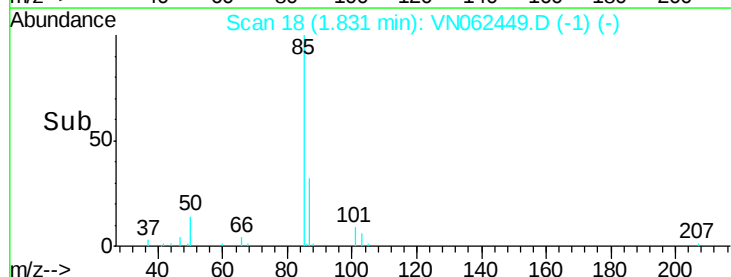
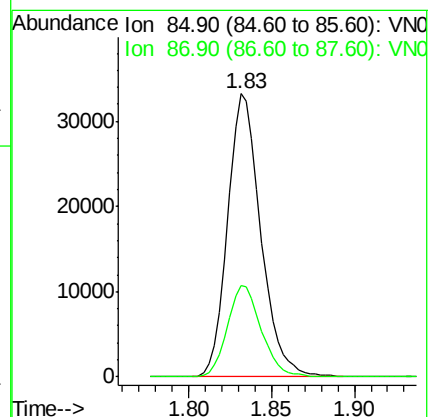
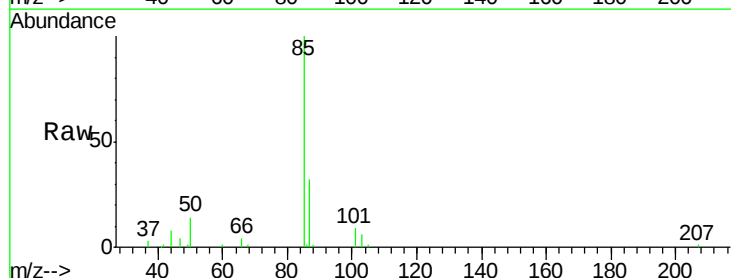
Acq: 9 Jul 2020 11:51

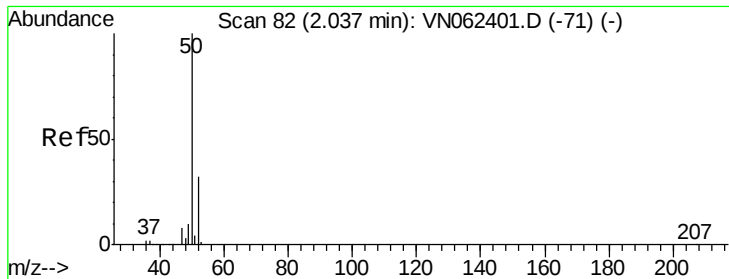
Tgt Ion: 85 Resp: 46192

Ion Ratio Lower Upper

85 100

87 32.5 15.2 45.5





#3

Chloromethane

Concen: 18.001 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 50 Resp: 70143

Ion Ratio Lower Upper

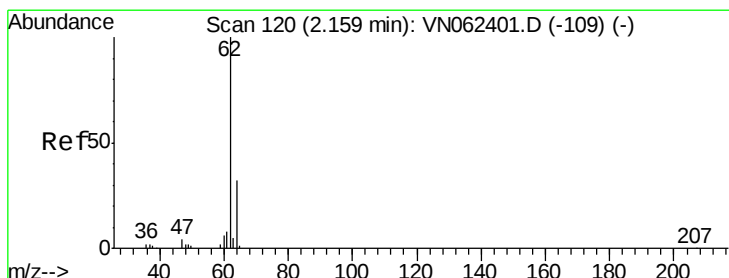
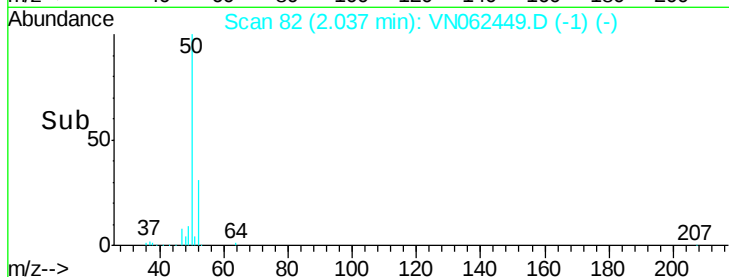
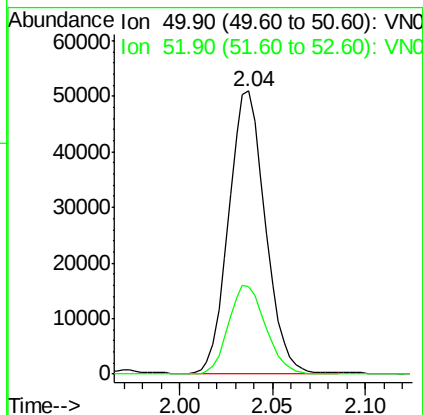
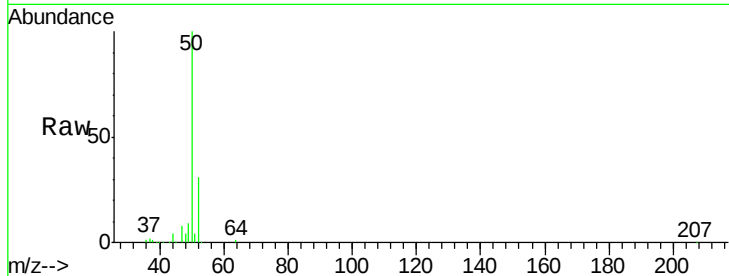
50 100

52 31.2 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.887 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062449.D

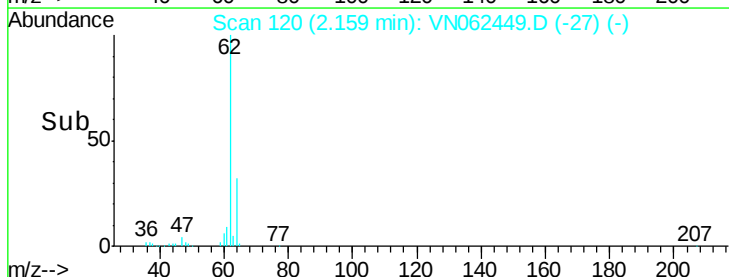
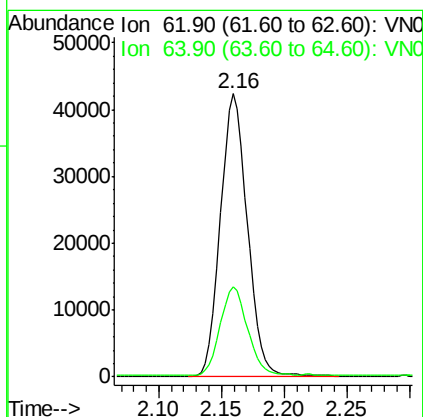
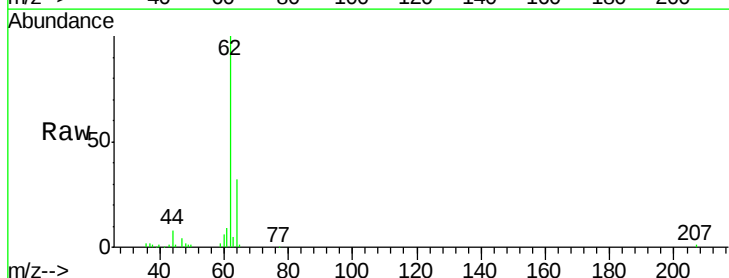
Acq: 9 Jul 2020 11:51

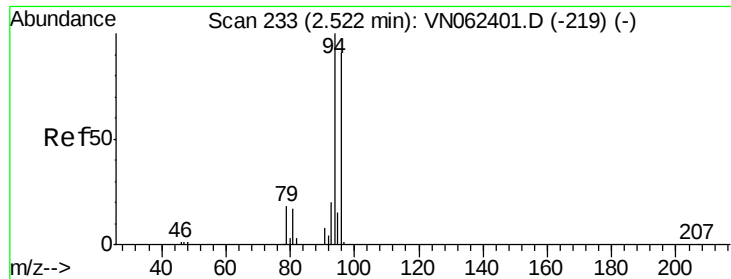
Tgt Ion: 62 Resp: 63486

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 16.163 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 94 Resp: 27712

Ion Ratio Lower Upper

94 100

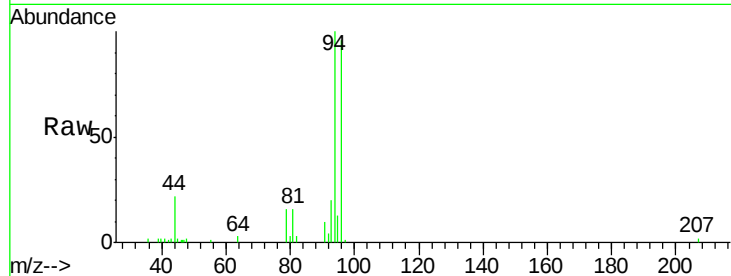
96 95.9 73.2 109.8

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

2.53

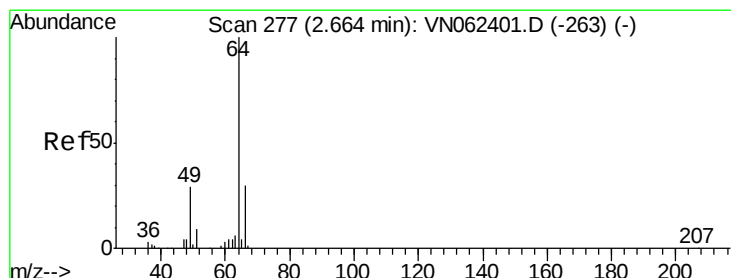
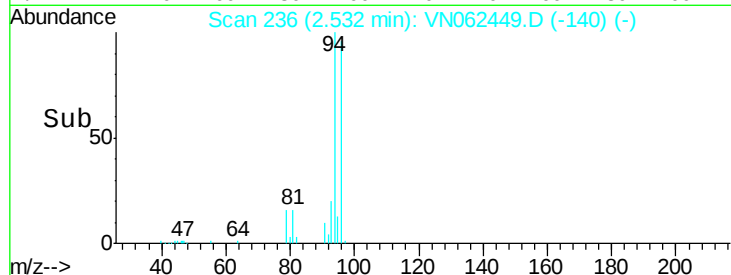
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.400 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062449.D

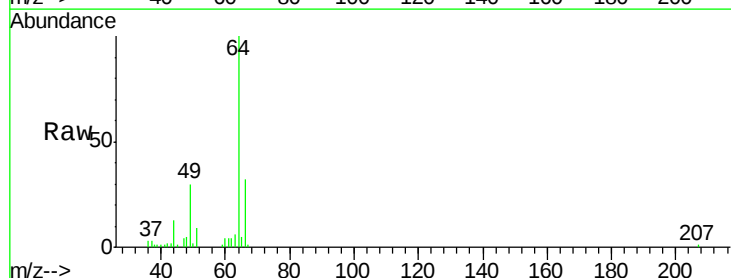
Acq: 9 Jul 2020 11:51

Tgt Ion: 64 Resp: 37931

Ion Ratio Lower Upper

64 100

66 32.7 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

20000

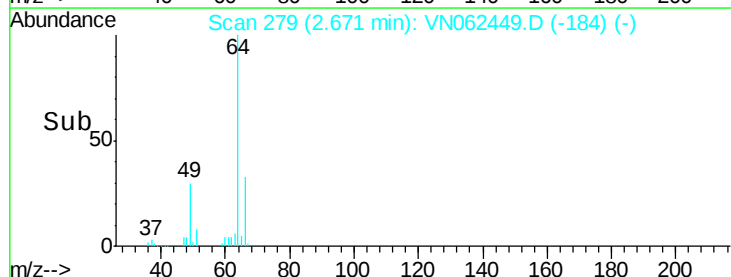
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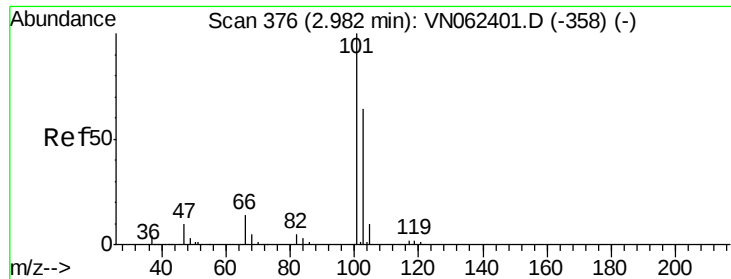
10000

5000

0

Time-->





#7

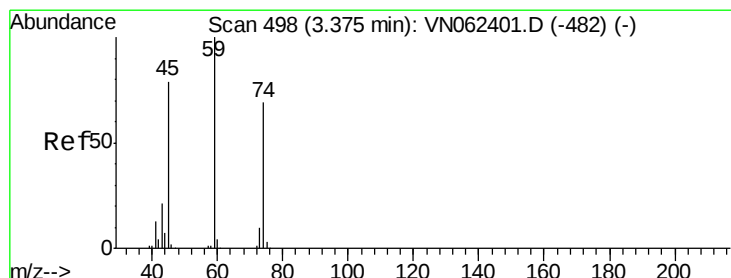
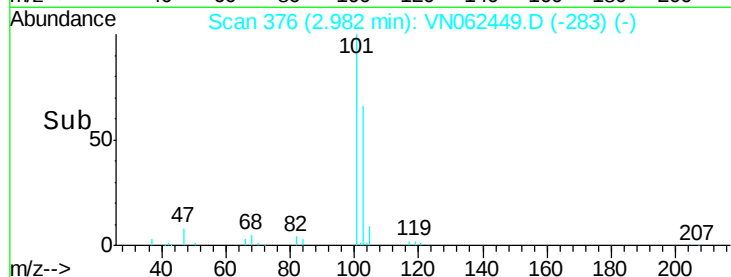
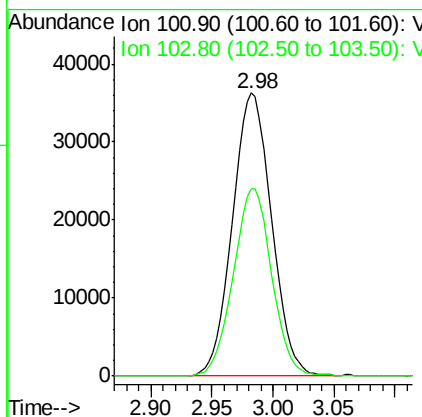
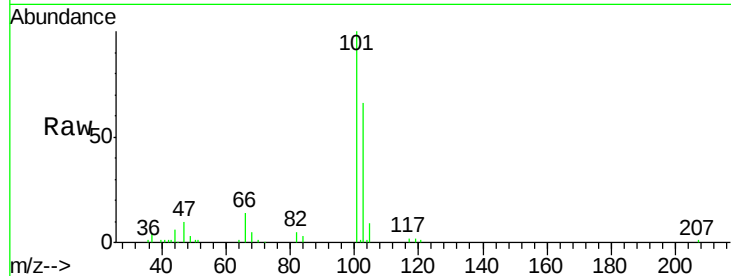
Trichlorofluoromethane
 Concen: 19.906 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
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 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.6	77.4

Manual Integrations
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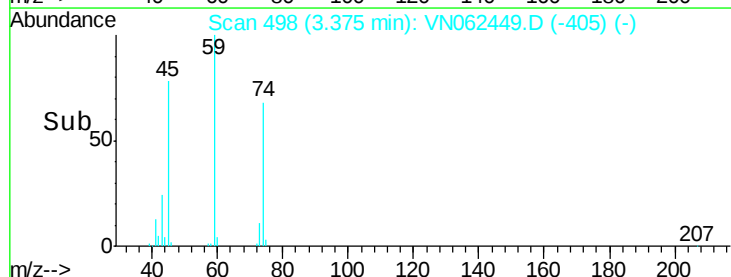
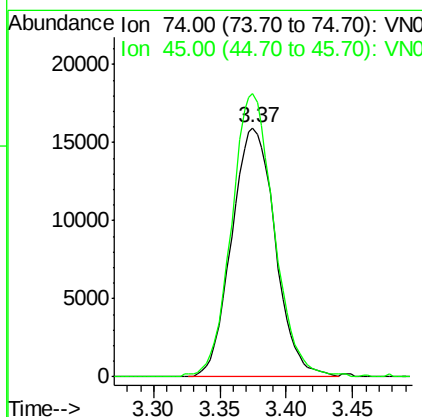
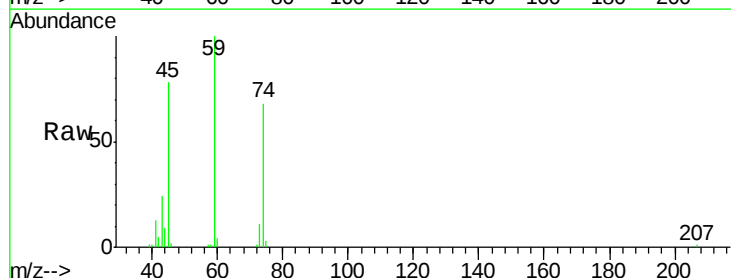
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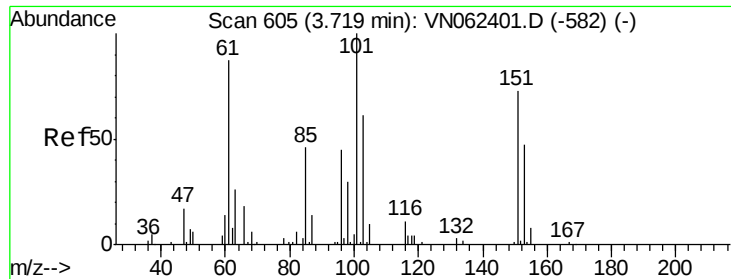


#8

Diethyl Ether
 Concen: 20.105 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.7	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.746 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

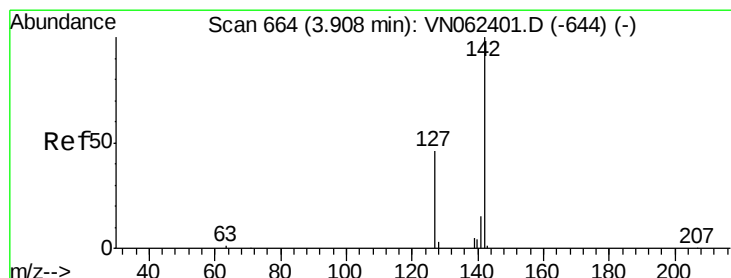
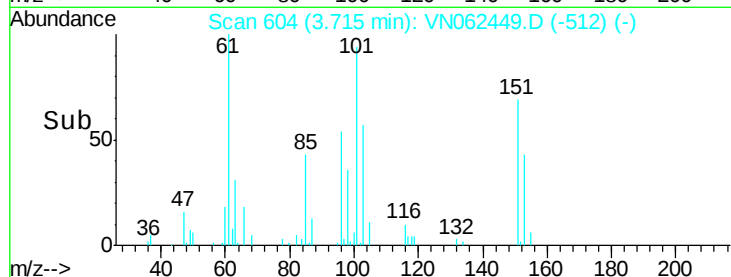
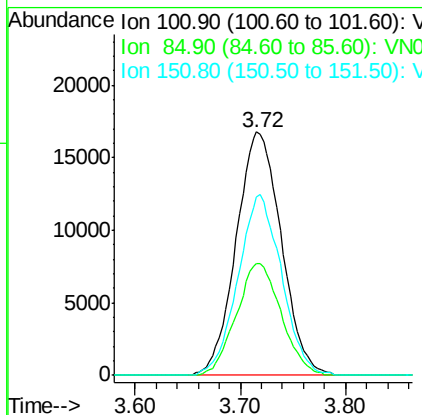
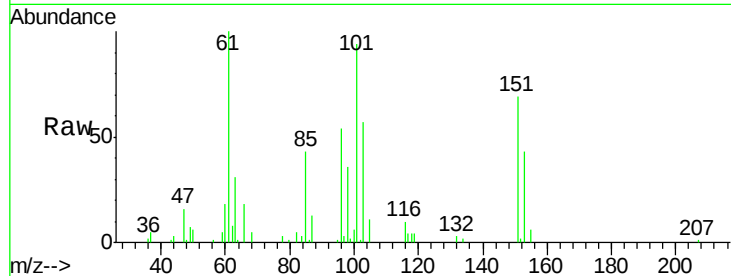
ClientSampleId :

VN0709WBS01

Tot Ion:	101	Resp:	49862
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.7	55.1
151	71.7	58.3	87.5

Manual Integrations
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MMDadoda
7/10/2020 9:23:41 AM



#10

Methyl Iodide

Concen: 11.741 ug/l

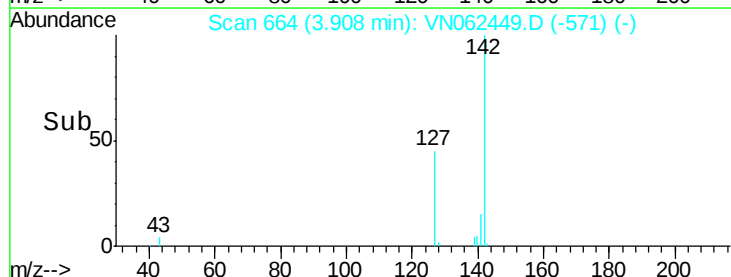
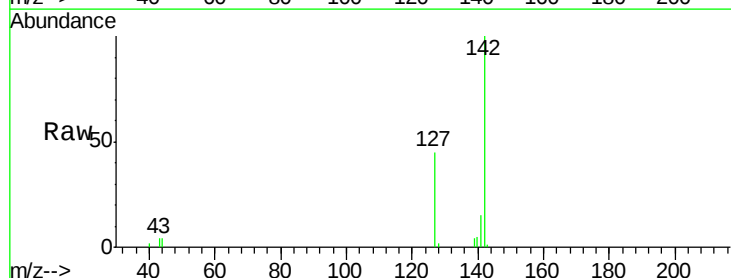
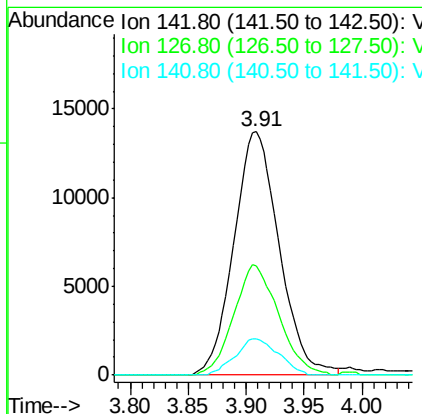
RT: 3.91 min Scan# 664

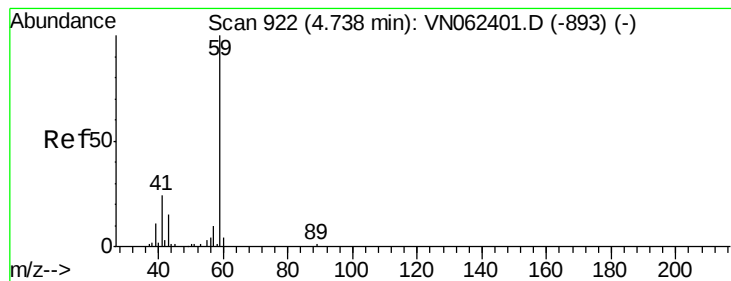
Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion:	142	Resp:	37261
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.1	54.1
141	14.2	11.4	17.0





#11

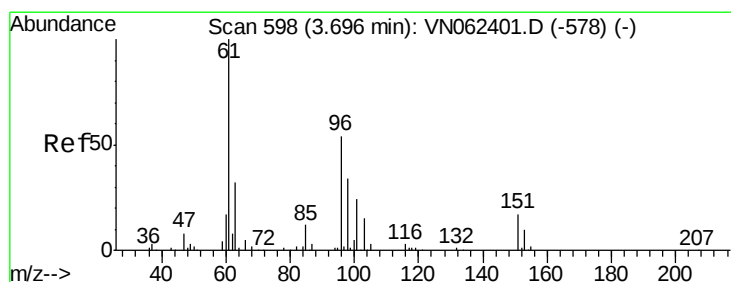
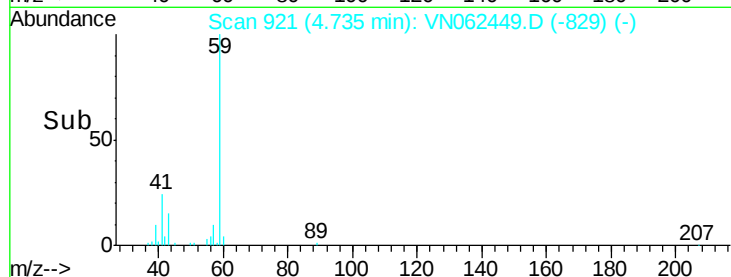
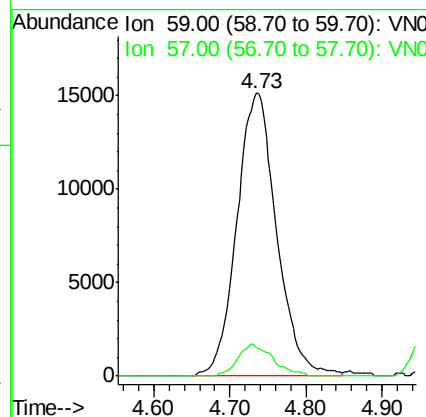
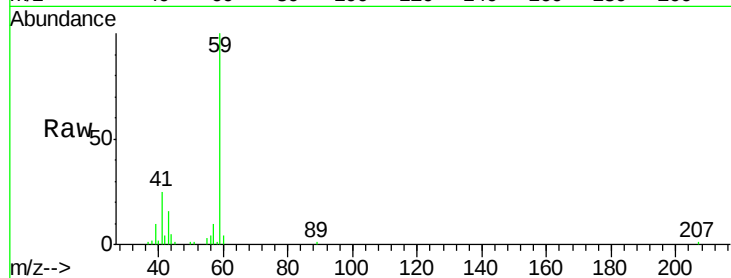
Tert butyl alcohol
 Concen: 90.646 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.6

Manual Integrations
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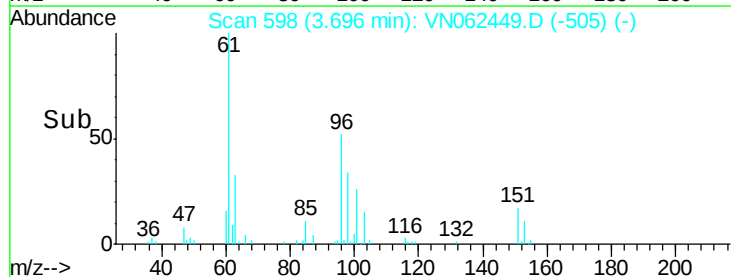
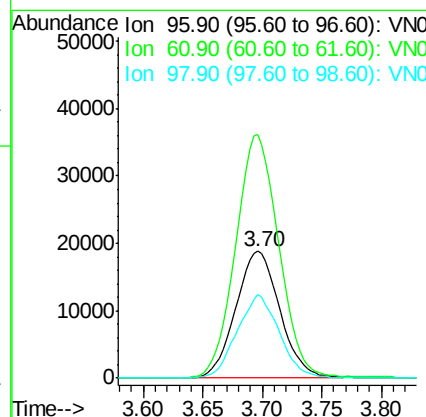
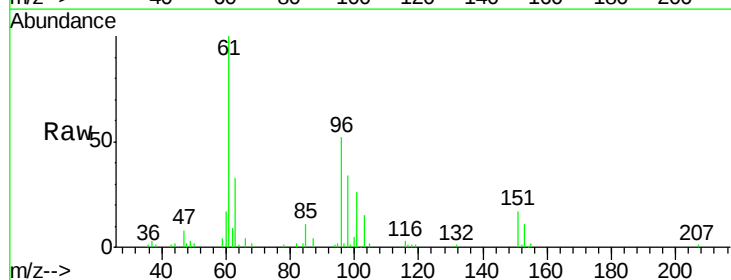
MMDadoda
 7/10/2020 9:23:41 AM

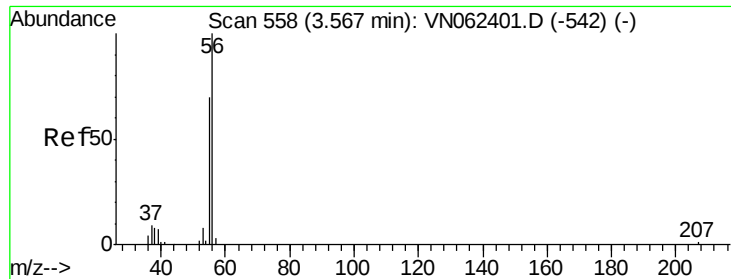


#12

1,1-Dichloroethene
 Concen: 19.771 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.3	147.4	221.0
98	65.6	50.4	75.6





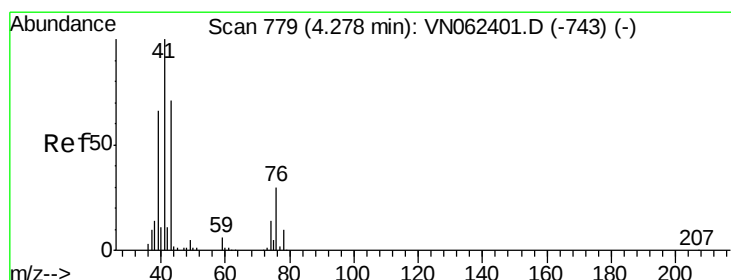
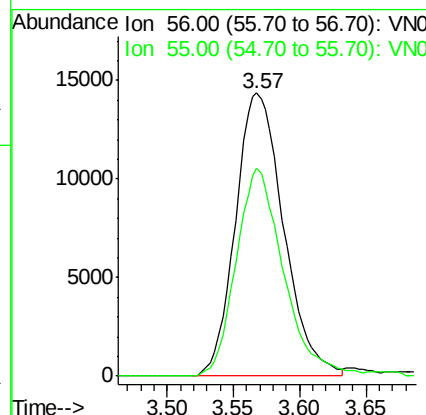
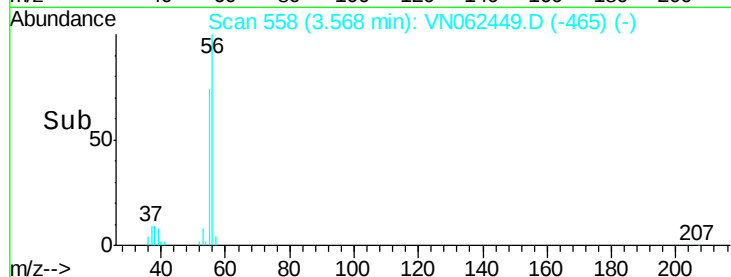
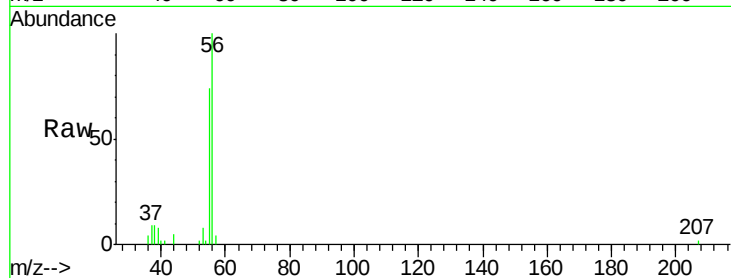
#13
Acrolein
Concen: 82.630 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	56	Resp	36259
Ion Ratio	100	Lower	Upper
56	100		
55	72.1	57.2	85.8

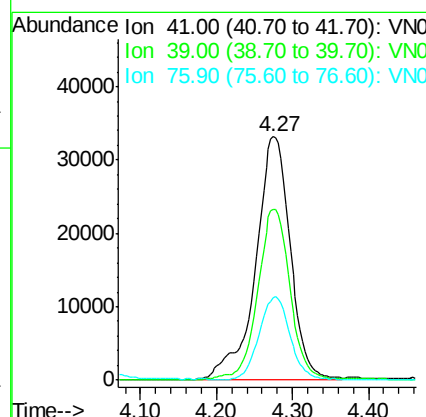
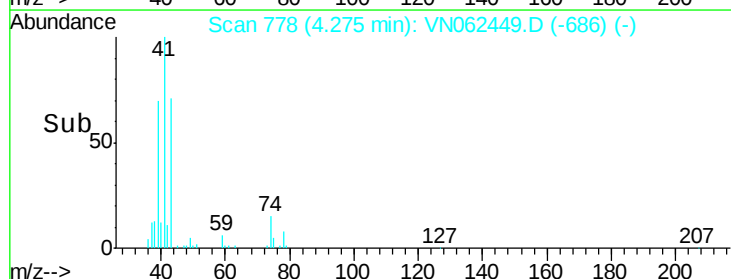
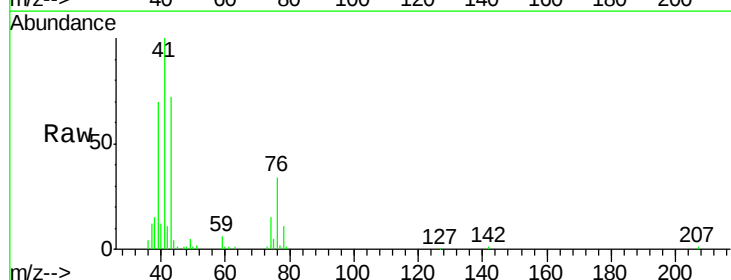
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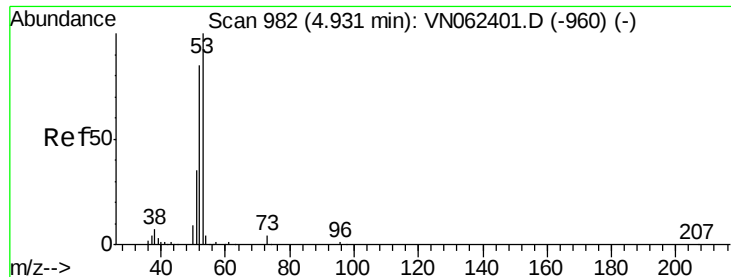
MMDadoda
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#14
Allyl chloride
Concen: 18.394 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	41	Resp	105860
Ion Ratio	100	Lower	Upper
41	100		
39	65.3	49.6	74.4
76	30.4	22.2	33.4





#15

Acrylonitrile

Concen: 98.378 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

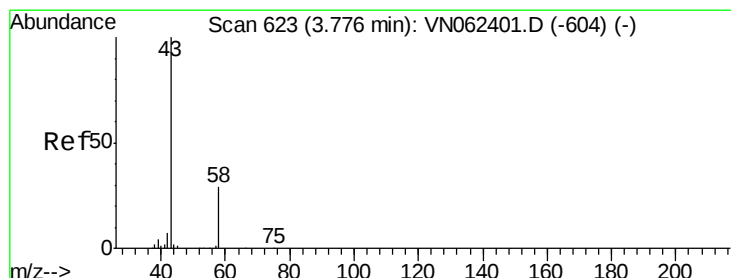
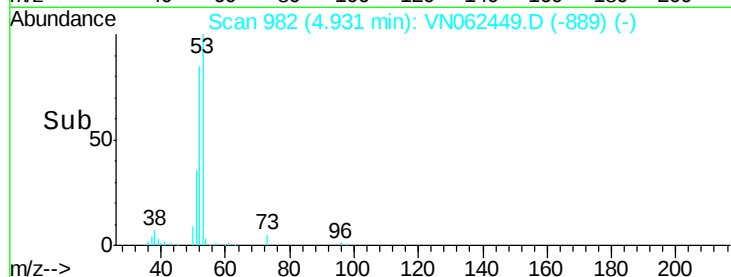
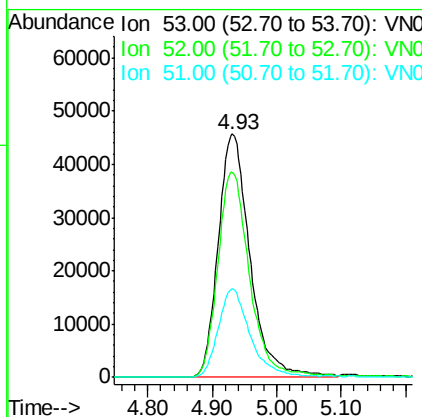
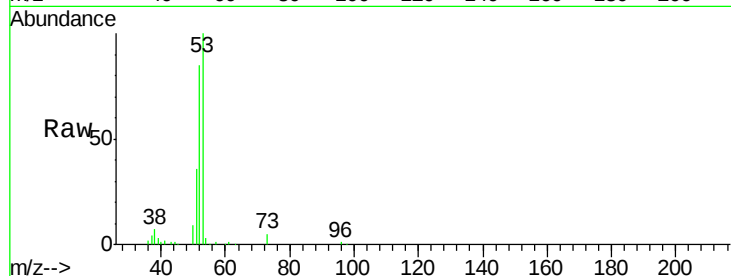
ClientSampleId :

VN0709WBS01

Tot Ion:	53	Resp:	156949
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.4
51	36.5	28.7	43.1

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7/10/2020 9:23:41 AM



#16

Acetone

Concen: 90.754 ug/l

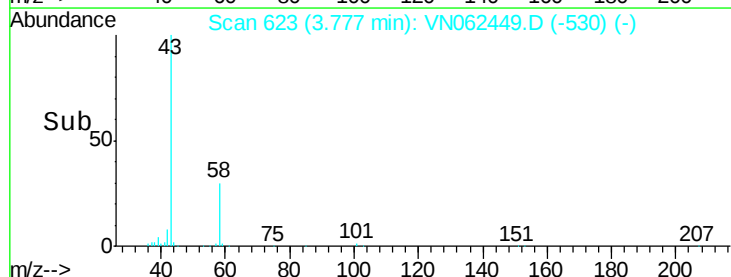
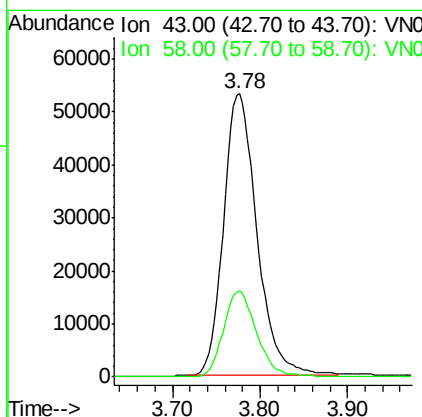
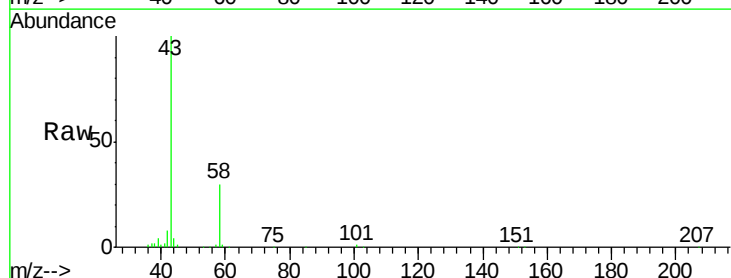
RT: 3.78 min Scan# 623

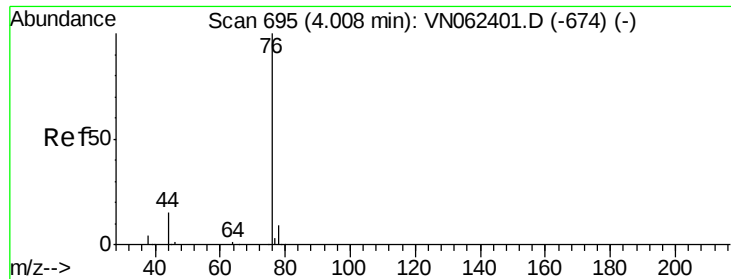
Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion:	43	Resp:	141291
Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.5	35.3





#17

Carbon Disulfide

Concen: 18.583 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 76 Resp: 142491

Ion Ratio Lower Upper

76 100

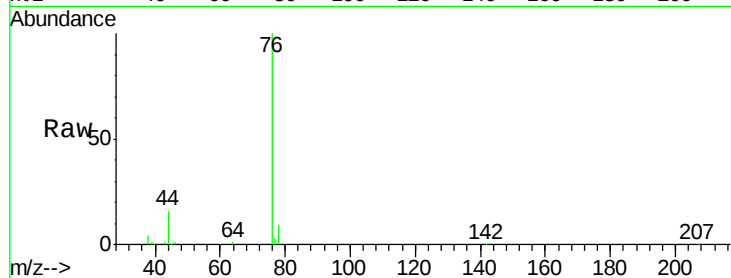
78 8.7 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

60000

50000

40000

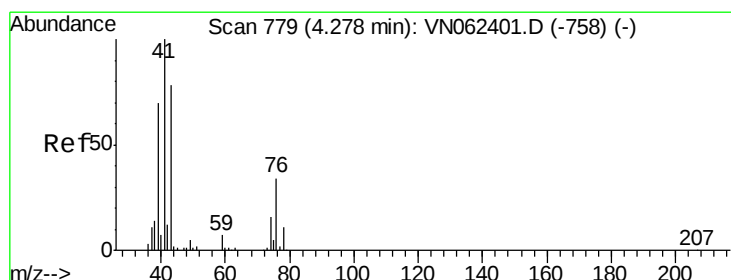
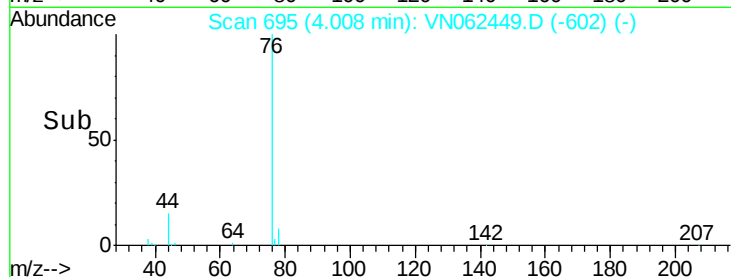
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 18.533 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062449.D

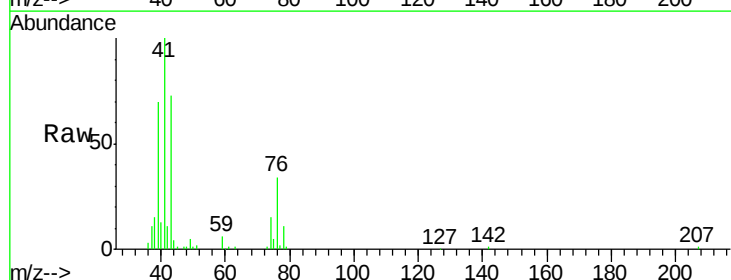
Acq: 9 Jul 2020 11:51

Tgt Ion: 43 Resp: 72005

Ion Ratio Lower Upper

43 100

74 20.3 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

25000

20000

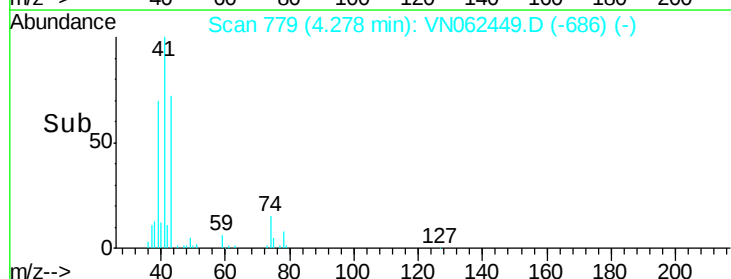
15000

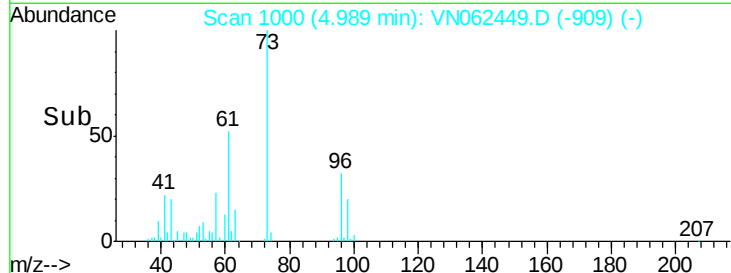
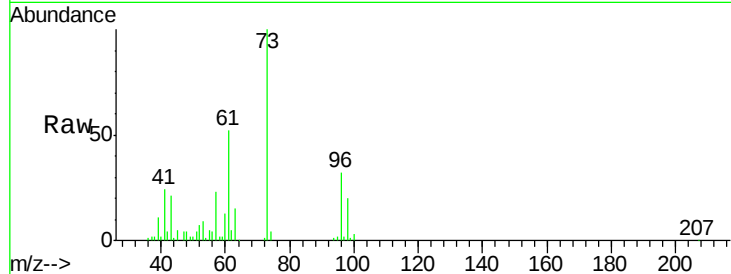
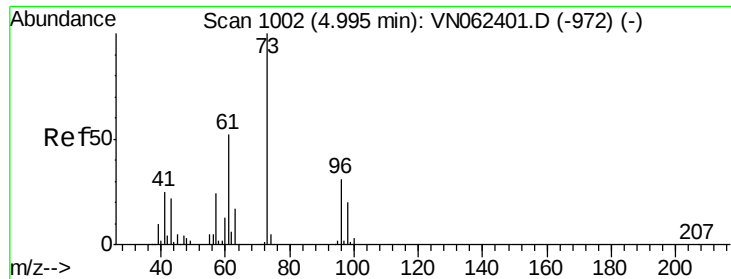
10000

5000

0

Time-->





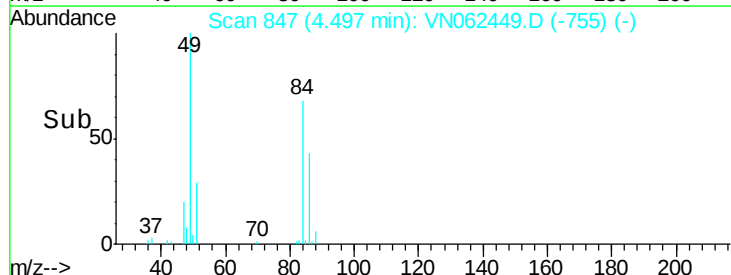
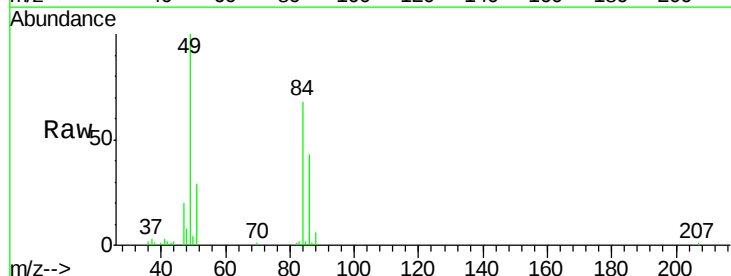
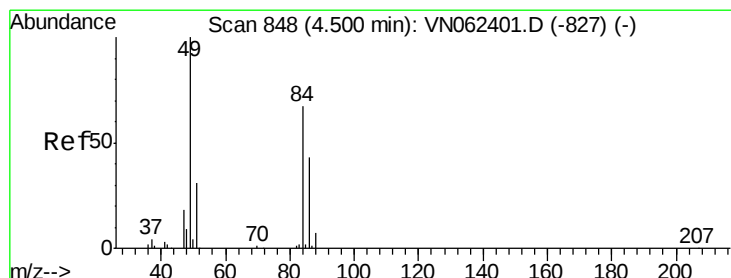
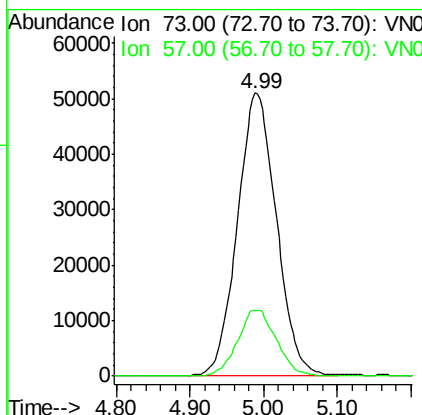
#19
Methyl tert-butyl Ether
Concen: 20.279 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tot Ion: 73 Resp: 188138
Ion Ratio Lower Upper
73 100
57 23.4 19.4 29.0

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

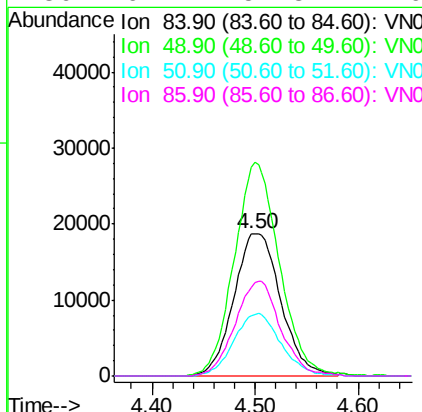
Manual Integrations
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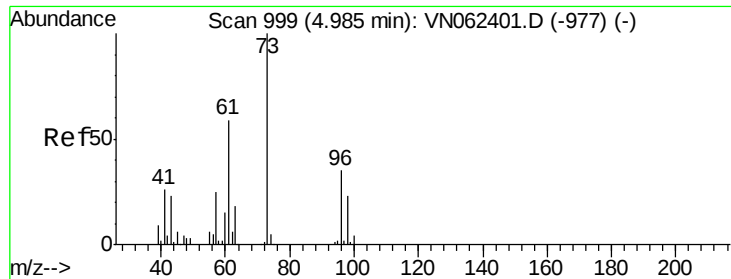
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#20
Methylene Chloride
Concen: 17.865 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 84 Resp: 59469
Ion Ratio Lower Upper
84 100
49 145.5 120.0 180.0
51 42.6 37.0 55.6
86 62.4 51.8 77.6





#21

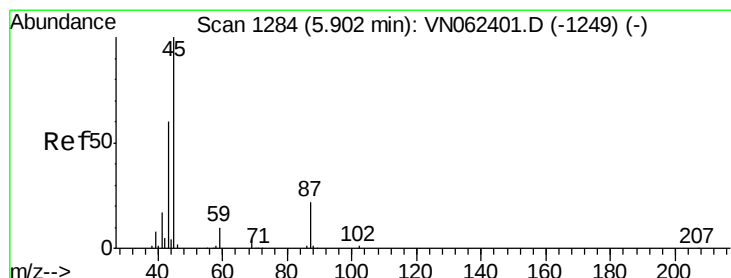
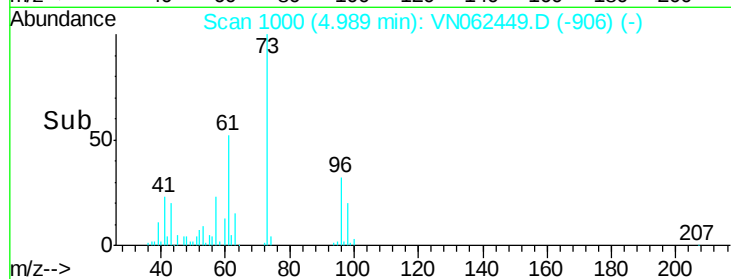
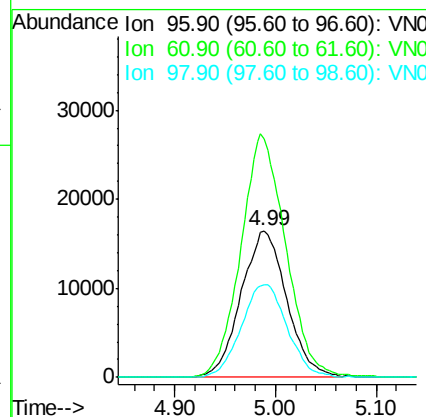
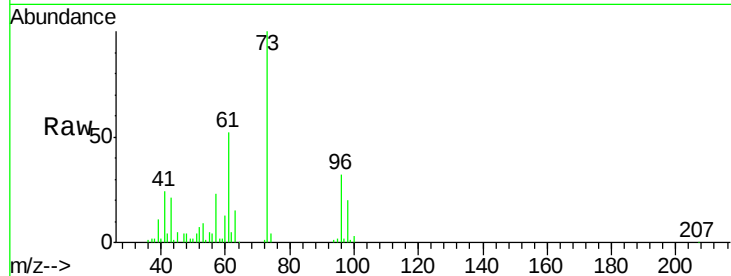
trans-1,2-Dichloroethene
Concen: 19.455 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	133.5	200.3
98	63.2	51.9	77.9

Manual Integrations
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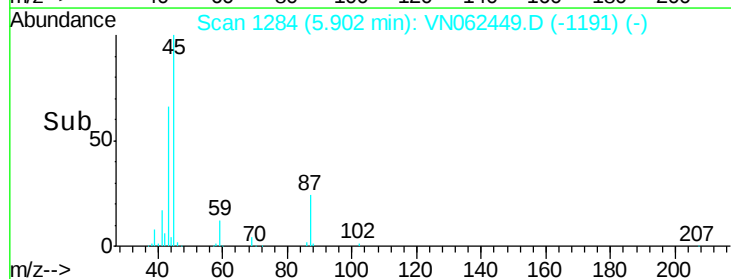
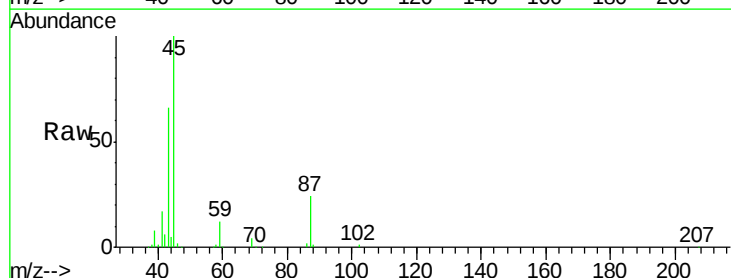
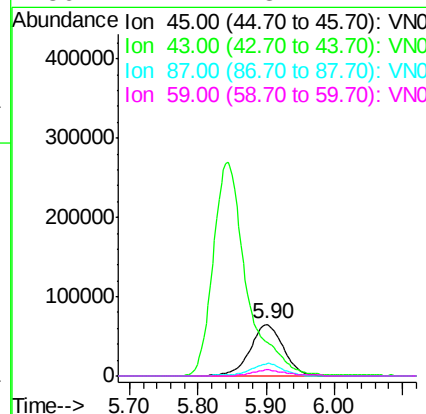
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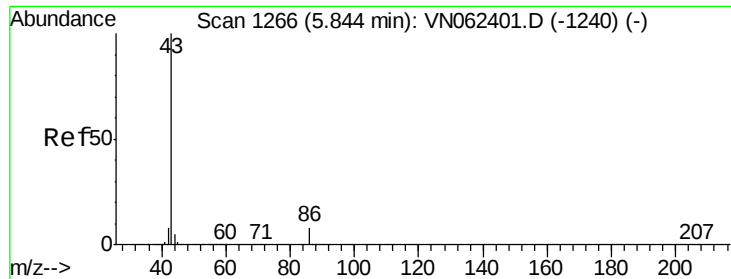


#22

Diisopropyl ether
Concen: 19.431 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	50.1	75.1
87	24.0	18.2	27.4
59	12.1	8.2	12.2





#23

Vinyl Acetate

Concen: 97.590 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 43 Resp: 919196

Ion Ratio Lower Upper

43 100

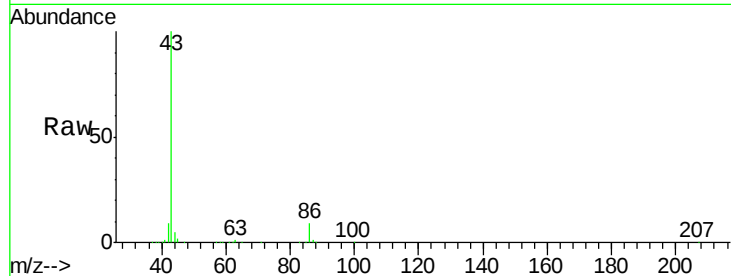
86 8.7 6.7 10.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

300000

250000

200000

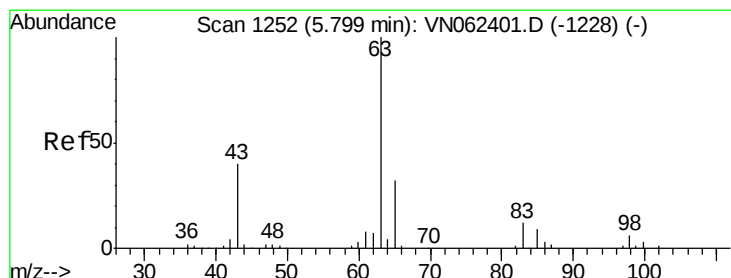
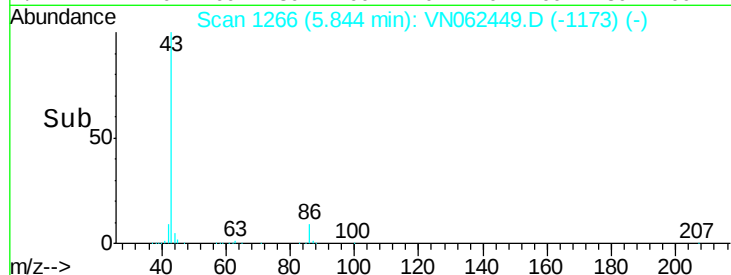
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.352 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

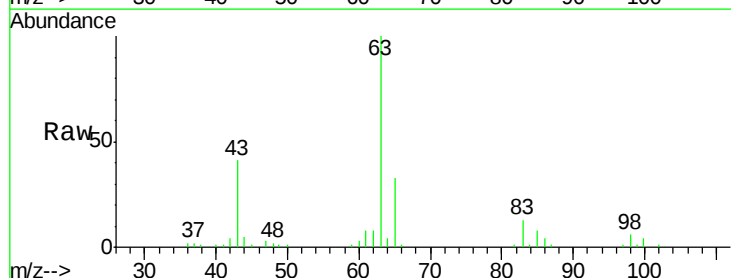
Tgt Ion: 63 Resp: 113701

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.6 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

40000

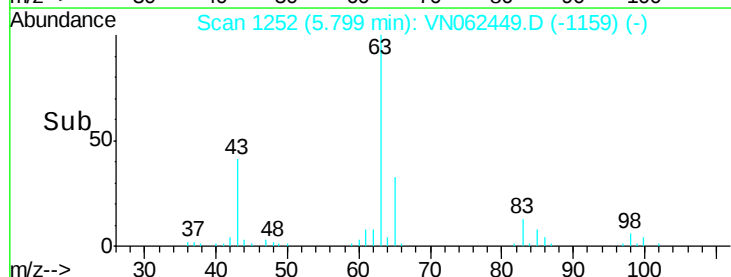
30000

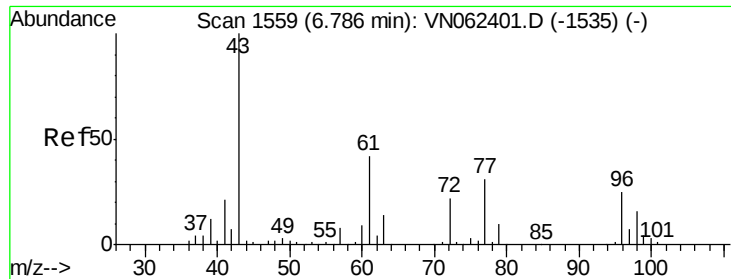
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.986 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tot Ion: 43 Resp: 218243

Ion Ratio Lower Upper

43 100

72 24.4 17.9 26.9

Instrument :

MSVOA_N

ClientSampleId :

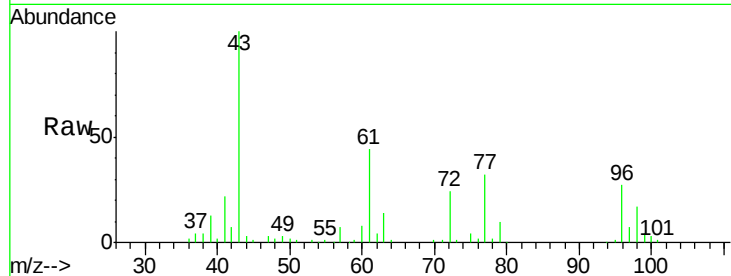
VN0709WBS01

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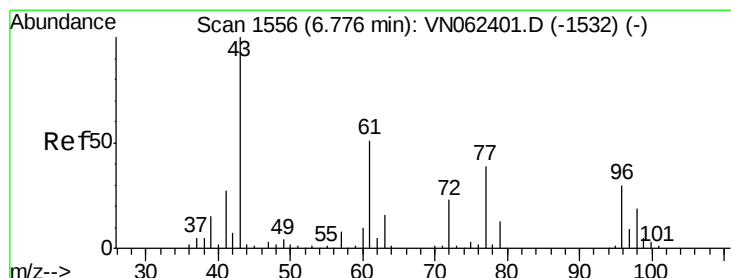
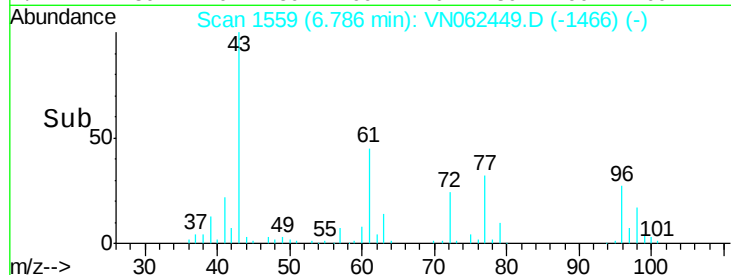
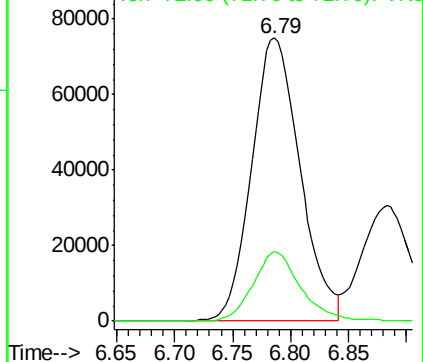
MMDadoda

7/10/2020 9:23:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.186 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062449.D

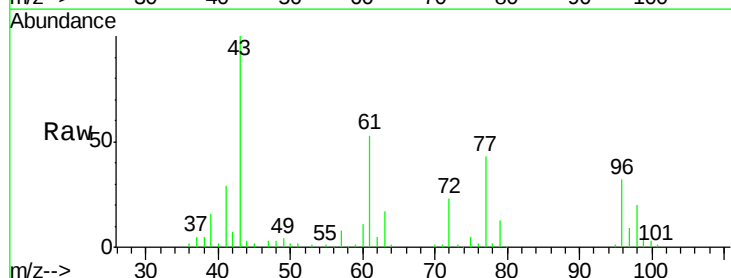
Acq: 9 Jul 2020 11:51

Tgt Ion: 77 Resp: 90939

Ion Ratio Lower Upper

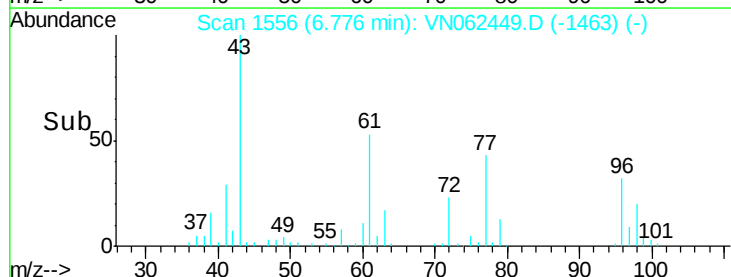
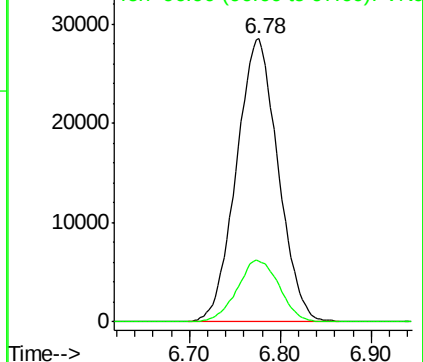
77 100

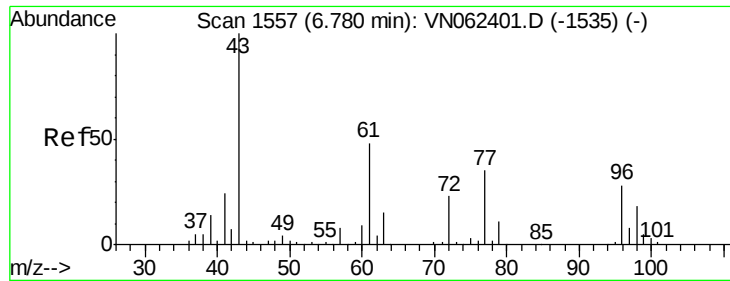
97 21.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.843 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

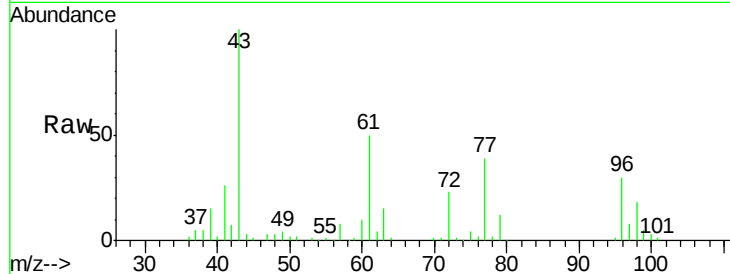
ClientSampleId :

VN0709WBS01

Tot Ion:	96	Resp:	60930
Ion	Ratio	Lower	Upper
96	100		
61	169.3	0.0	343.4
98	66.3	0.0	128.4

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7/10/2020 9:23:41 AM

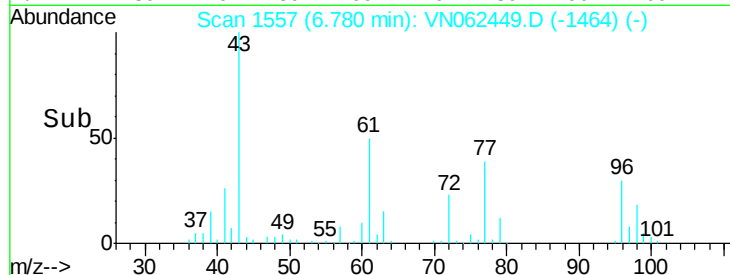


Abundance Ion 95.90 (95.60 to 96.60): VN062401.D (-1535) (-)

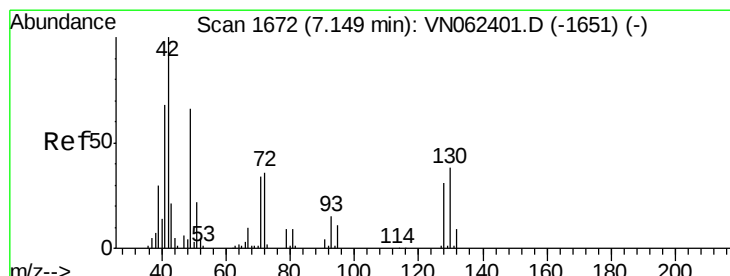
Ion 60.90 (60.60 to 61.60): VN062401.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN062401.D (-1535) (-)

Time-->



Time-->



#28

Bromochloromethane

Concen: 18.791 ug/l

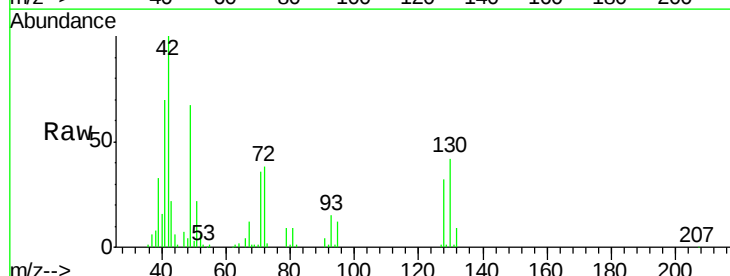
RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion:	49	Resp:	59982
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.8
130	61.4	46.5	69.7

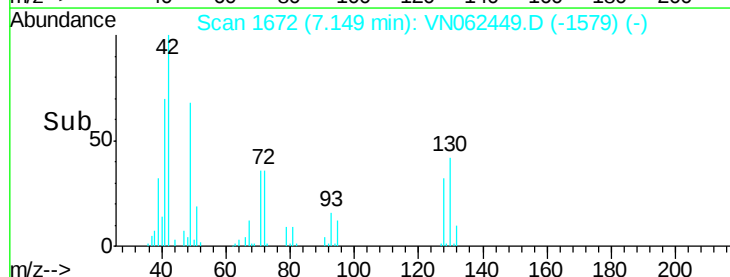


Abundance Ion 48.90 (48.60 to 49.60): VN062401.D (-1651) (-)

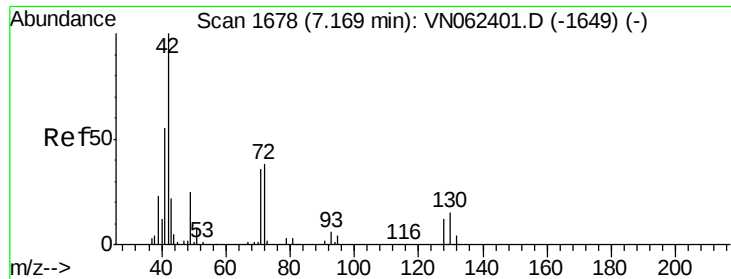
Ion 128.80 (128.50 to 129.50): VN062401.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN062401.D (-1651) (-)

Time-->



Time-->



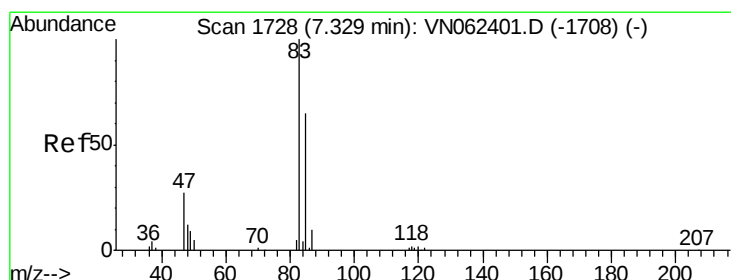
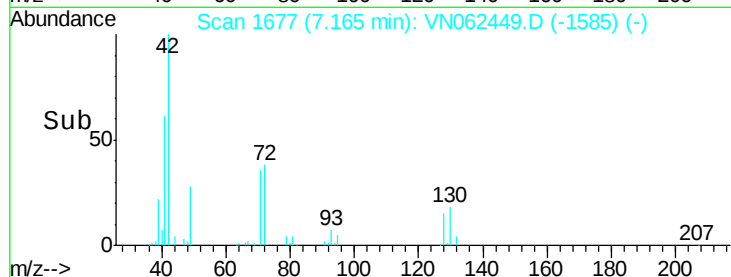
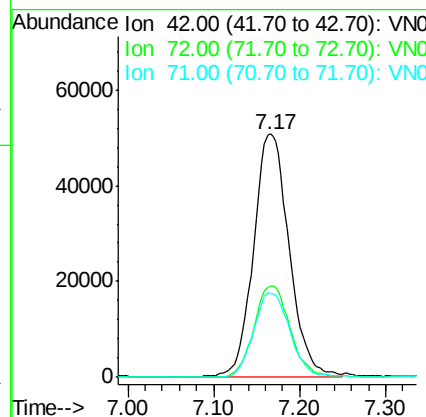
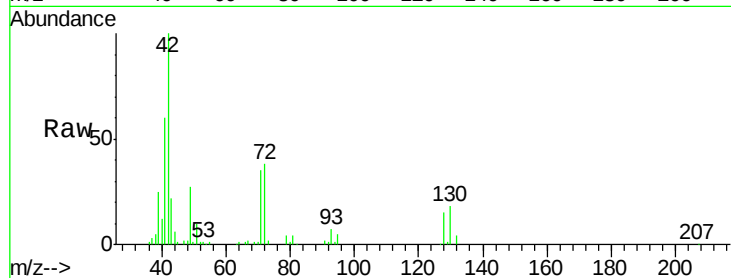
#29
Tetrahydrofuran
Concen: 96.007 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	29.1	43.7
71	35.3	28.1	42.1

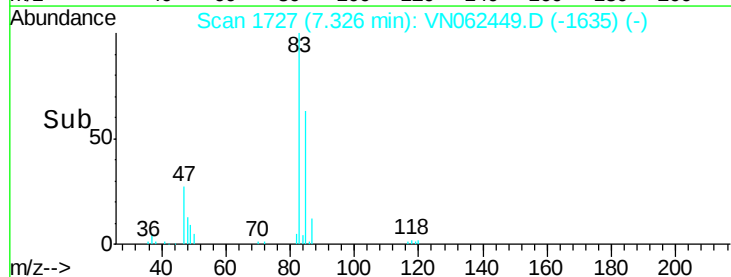
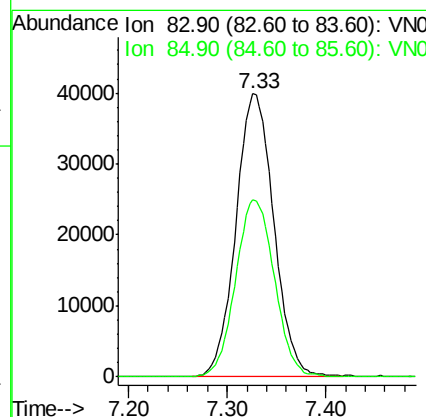
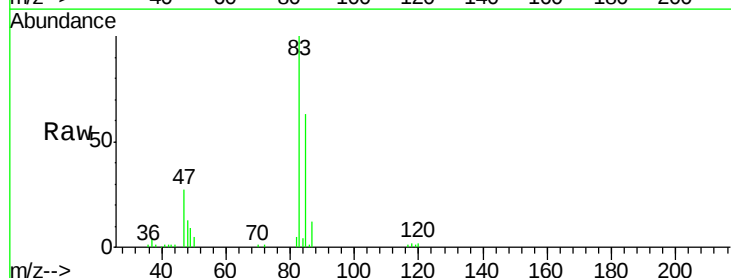
Manual Integrations
APPROVED

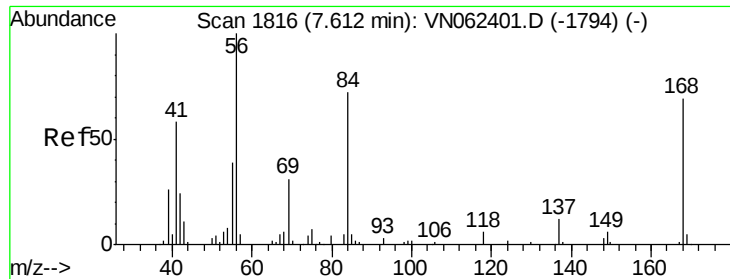
MMDadoda
7/10/2020 9:23:41 AM



#30
Chloroform
Concen: 20.076 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.8	77.6





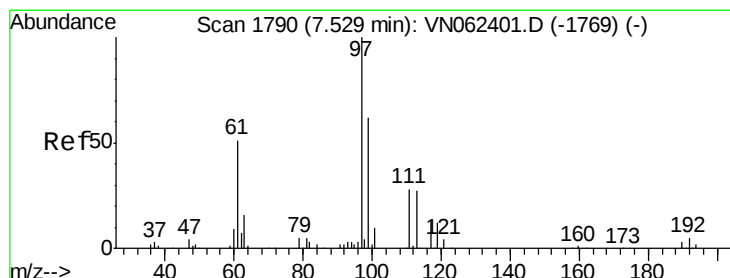
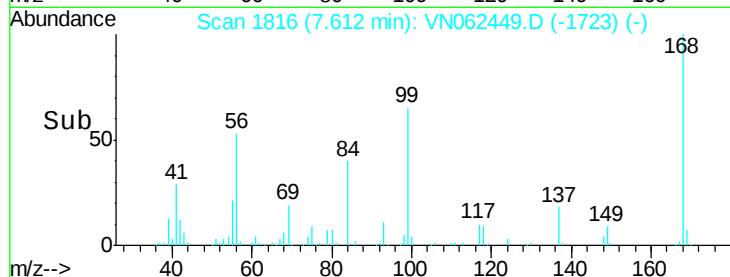
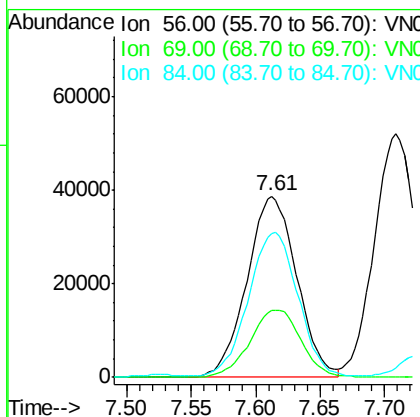
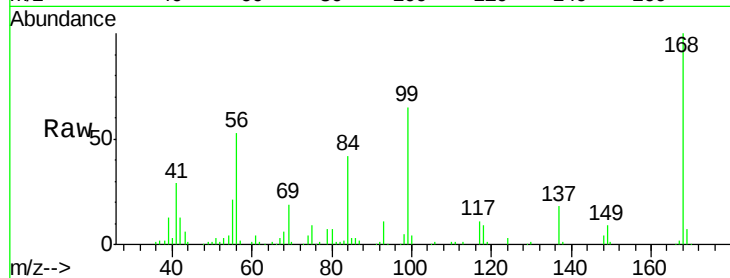
#31
Cyclohexane
Concen: 18.715 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	24.5	36.7#
84	78.3	57.4	86.2

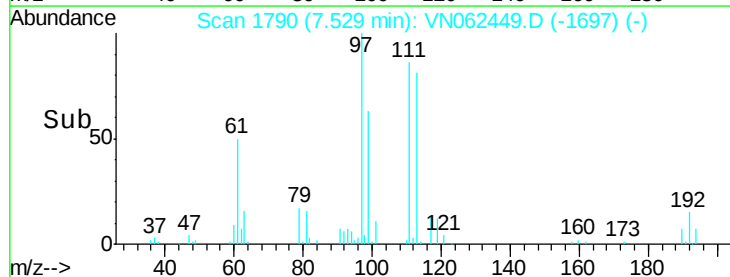
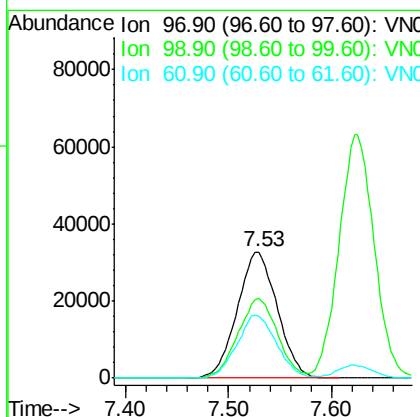
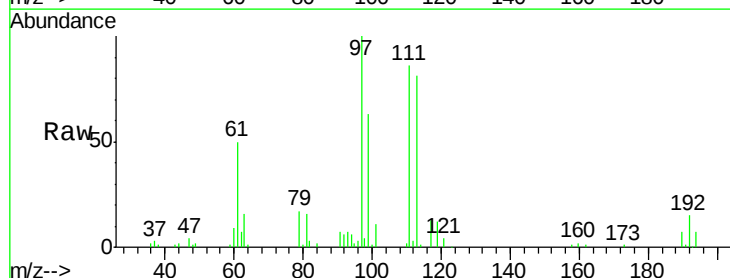
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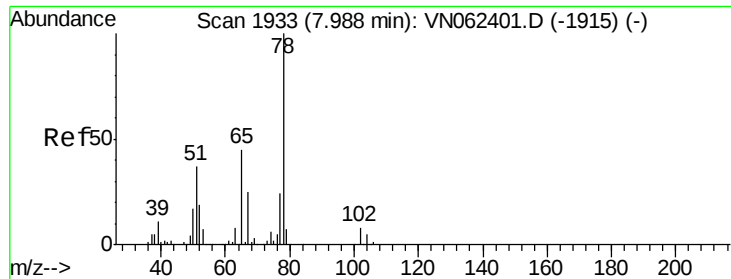
MMDadoda
7/10/2020 9:23:41 AM



#32
1,1,1-Trichloroethane
Concen: 19.989 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	50.4	75.6
61	49.4	39.9	59.9





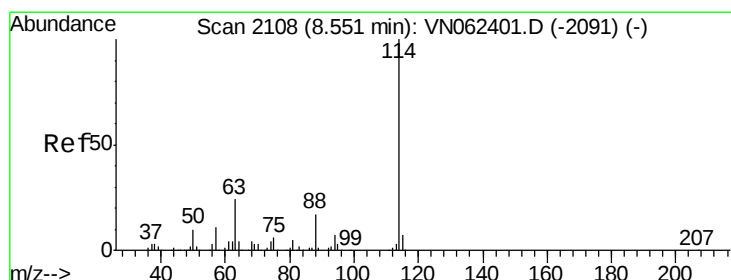
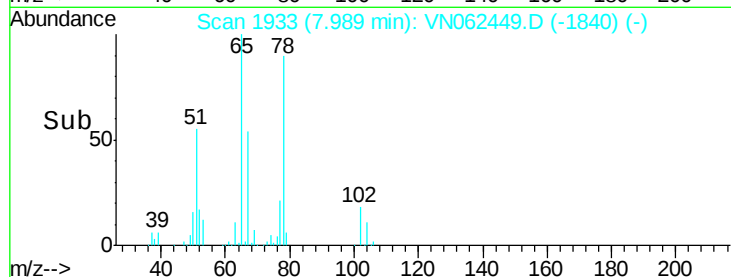
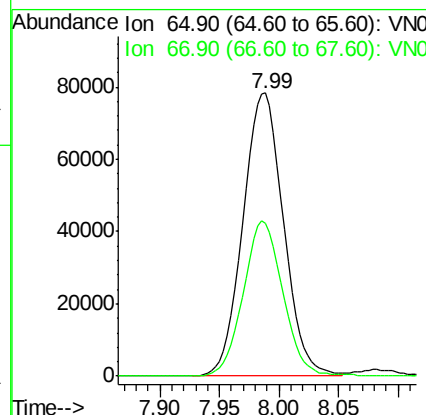
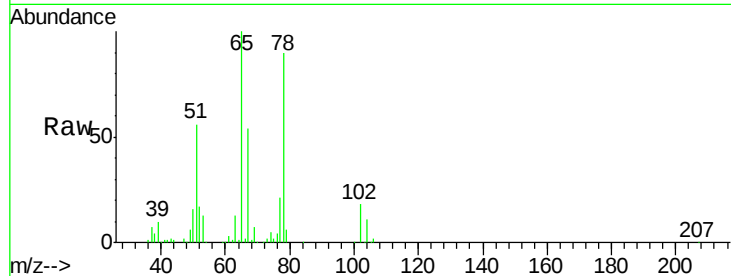
#33
 1,2-Dichloroethane-d4
 Concen: 50.424 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184908		
67	53.3	0.0	107.6	

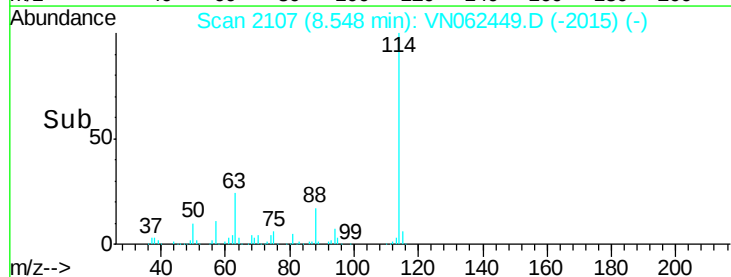
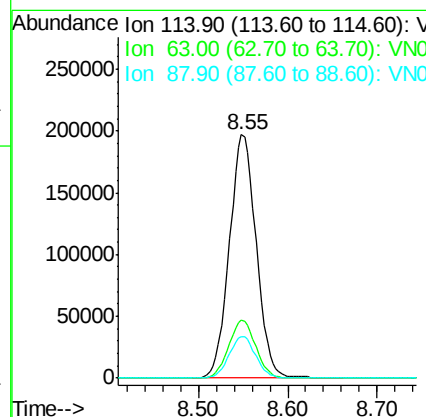
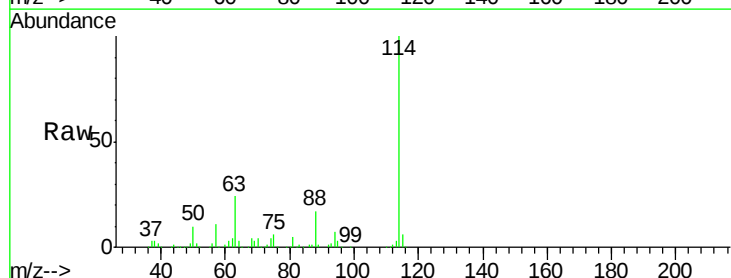
Manual Integrations
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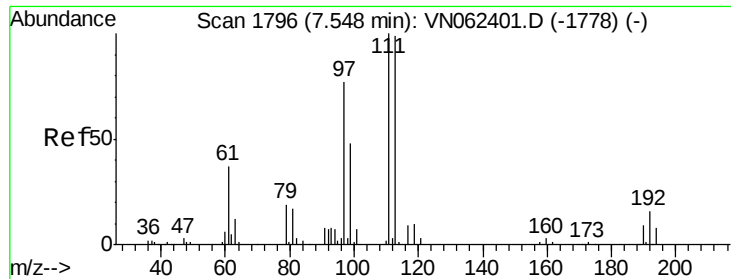
MMDadoda
 7/10/2020 9:23:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	410877		
63	23.6	0.0	48.4	
88	17.2	0.0	33.8	





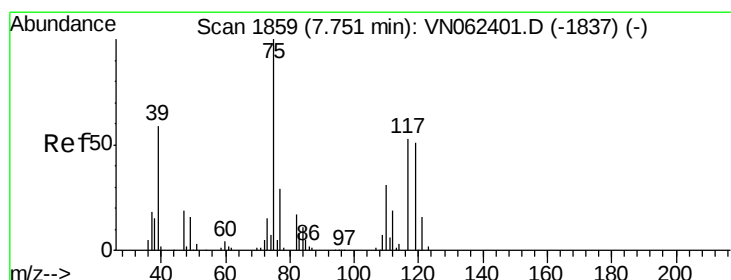
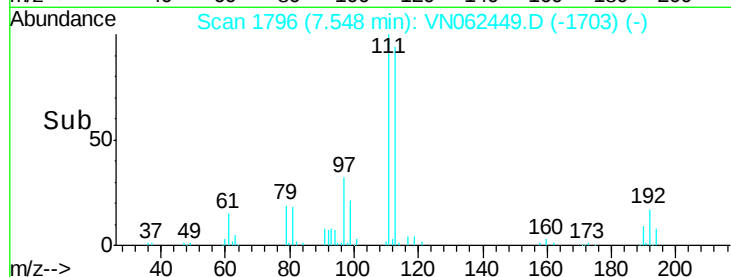
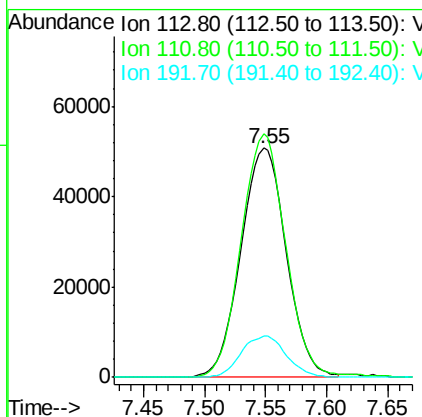
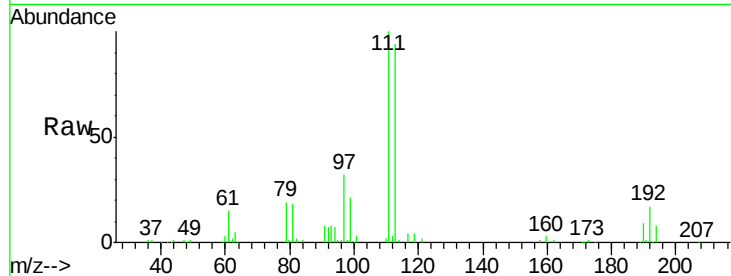
#35
 Dibromofluoromethane
 Concen: 51.551 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130929		
111	104.0	83.1	124.7	
192	17.8	14.1	21.1	

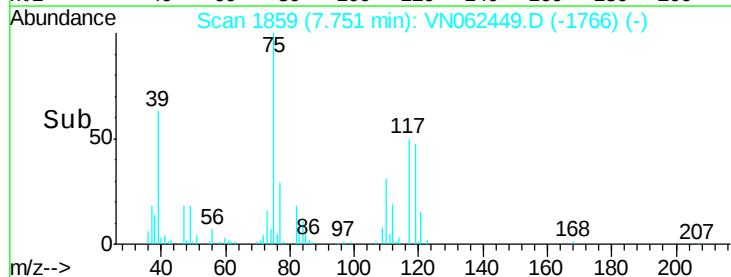
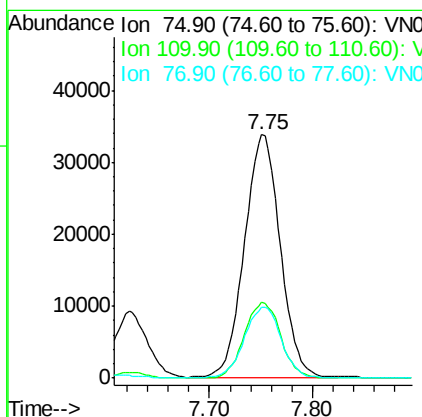
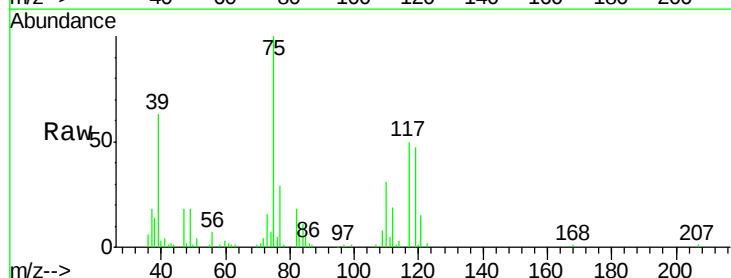
Manual Integrations
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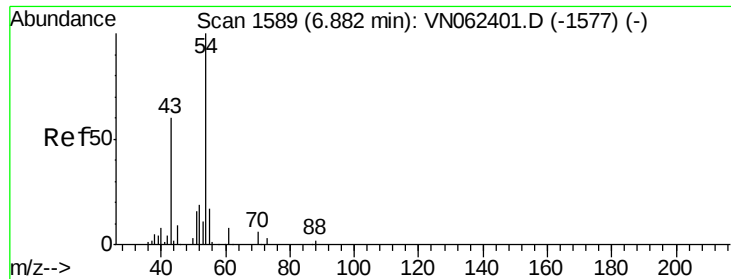
MMDadoda
 7/10/2020 9:23:41 AM



#36
 1,1-Dichloropropene
 Concen: 19.839 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82123		
110	31.3	15.4	46.2	
77	29.9	24.1	36.1	





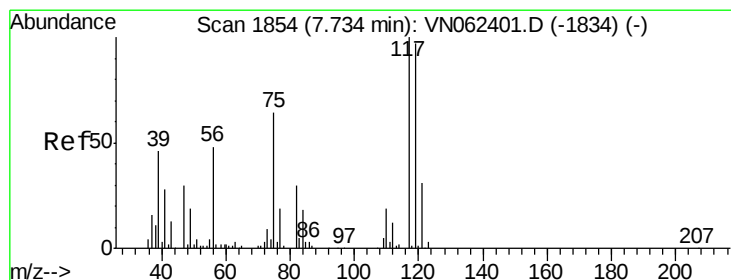
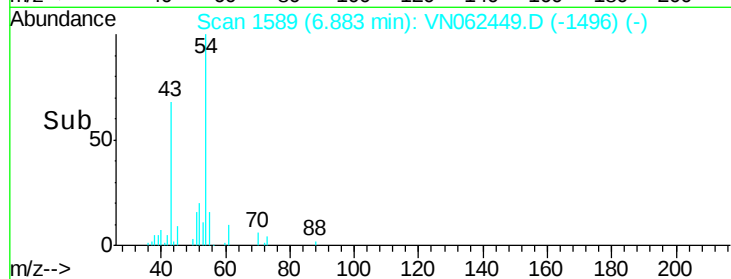
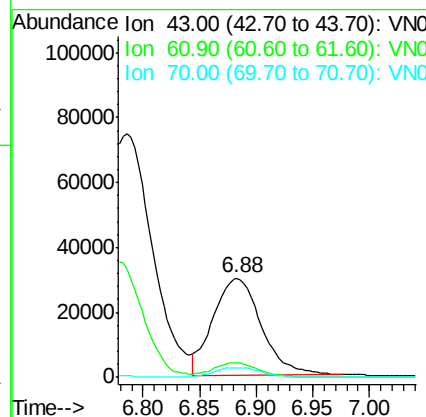
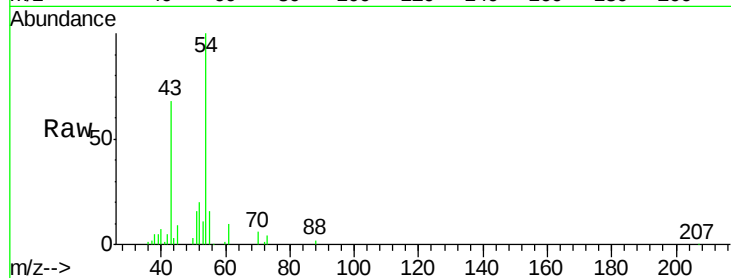
#37
Ethyl Acetate
Concen: 18.386 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.7	16.1
70	9.5	7.2	10.8

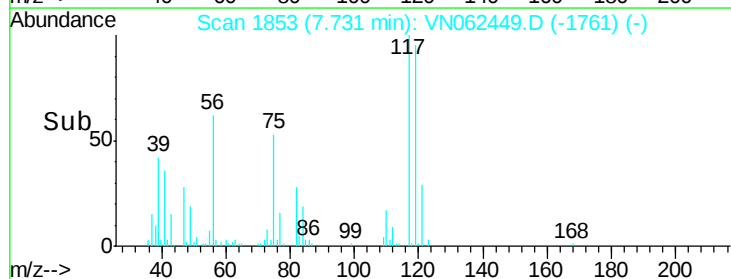
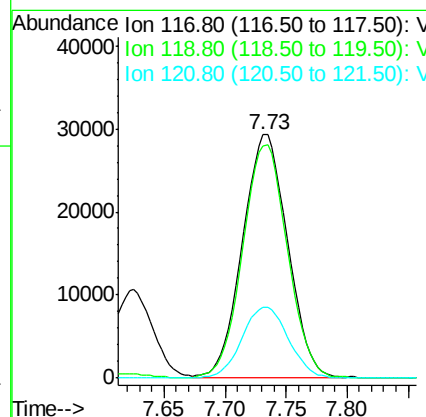
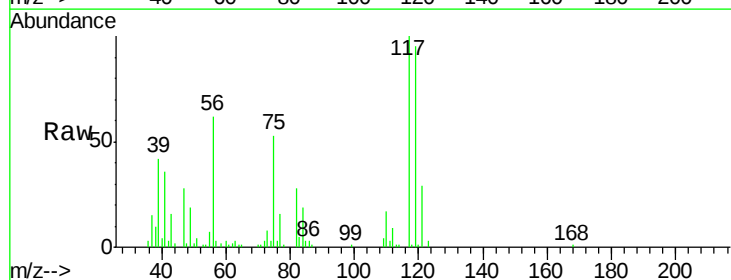
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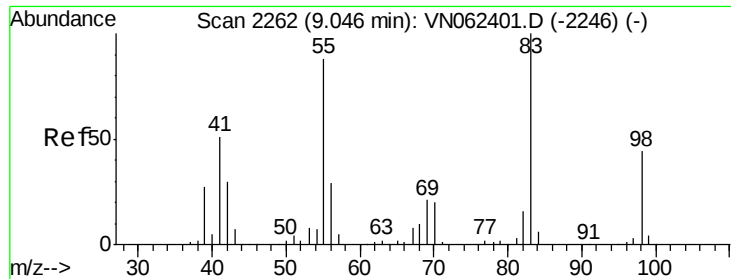
MMDadoda
7/10/2020 9:23:41 AM



#38
Carbon Tetrachloride
Concen: 20.206 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	115.8
121	28.8	24.8	37.2





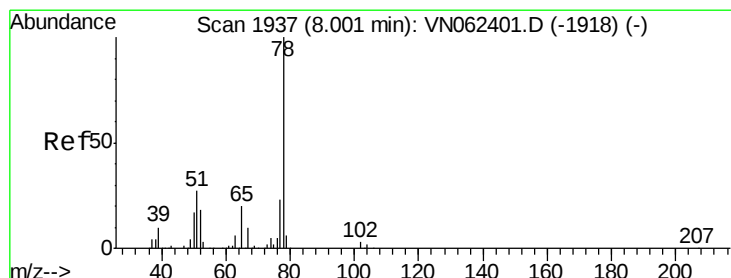
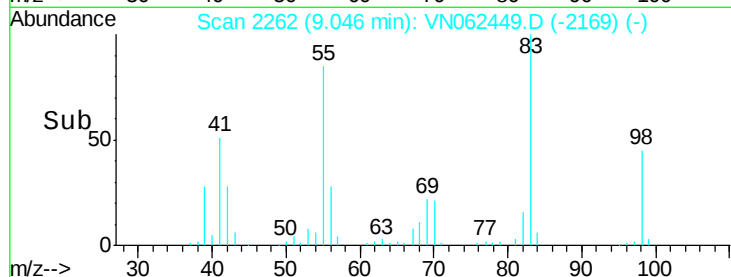
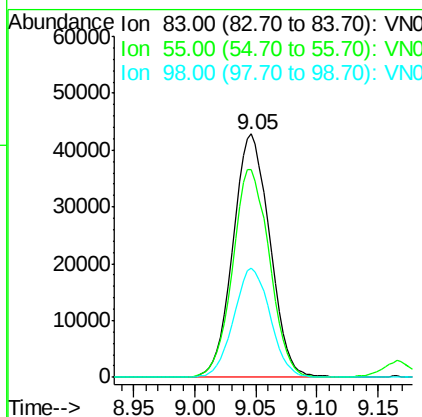
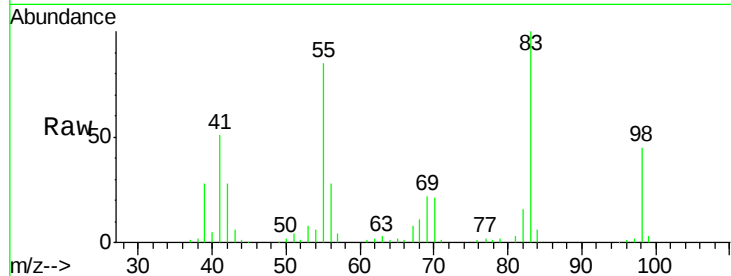
#39
Methvlcvclohexane
Concen: 20.272 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	70.5	105.7
98	44.9	35.5	53.3

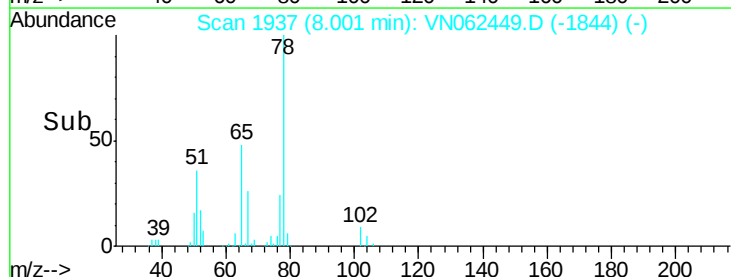
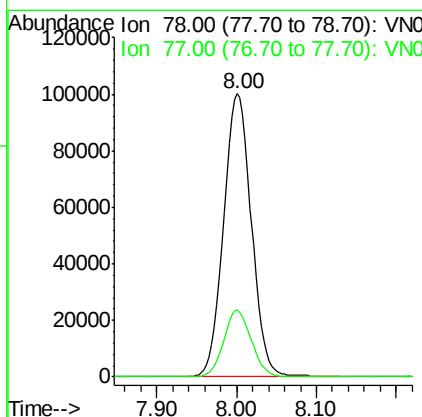
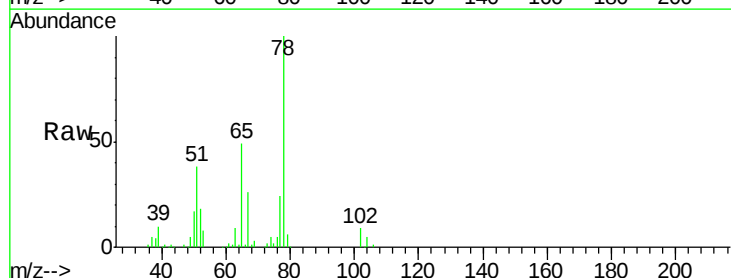
Manual Integrations
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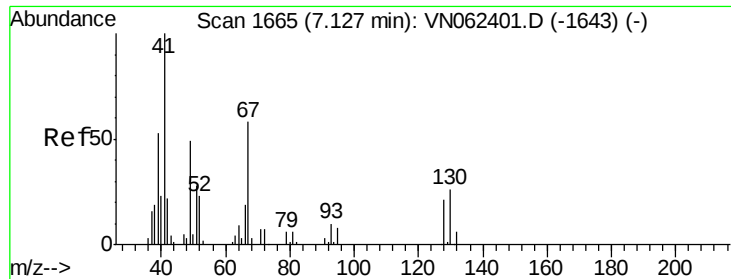
MMDadoda
7/10/2020 9:23:41 AM



#40
Benzene
Concen: 19.542 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





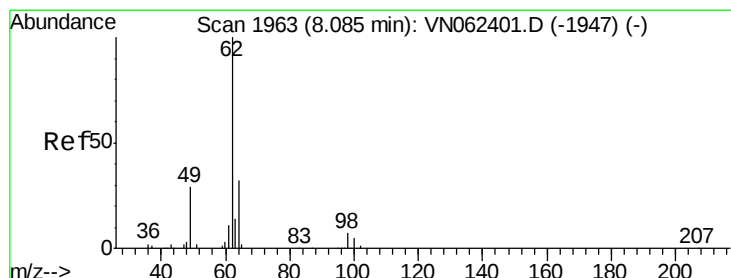
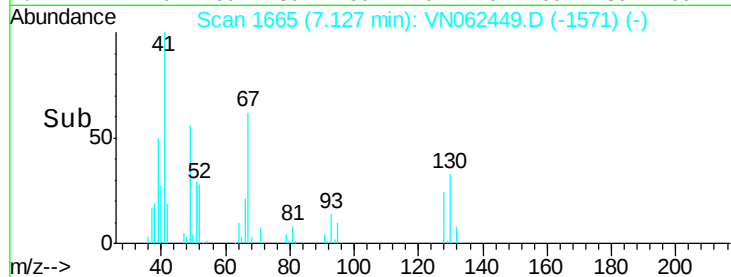
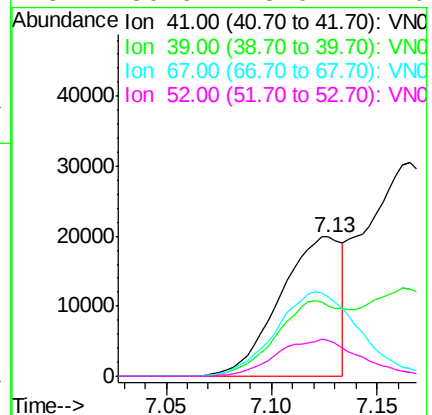
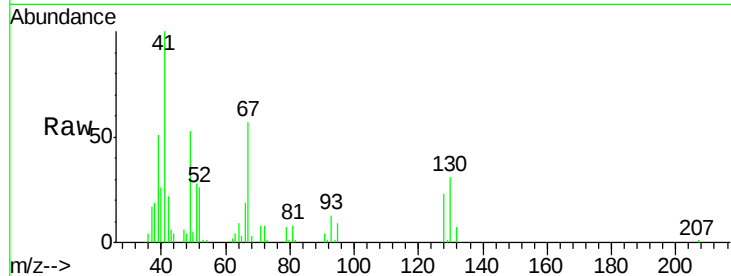
#41
Methacrylonitrile
Concen: 20.024 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	41	Resp:	40495
Ion Ratio	Lower	Upper	
41	100		
39	59.6	50.2	75.2
67	82.1	64.2	96.2
52	36.6	28.0	42.0

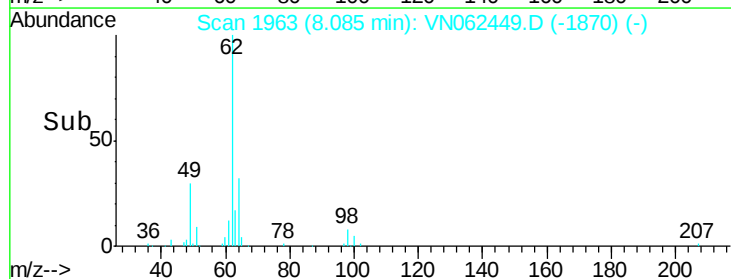
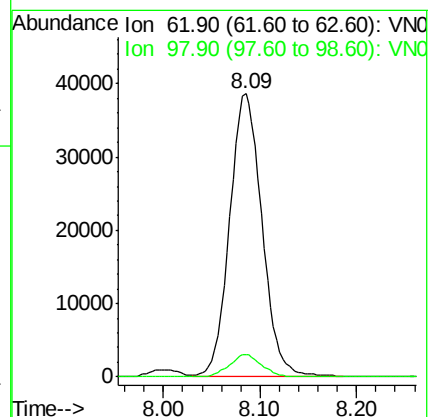
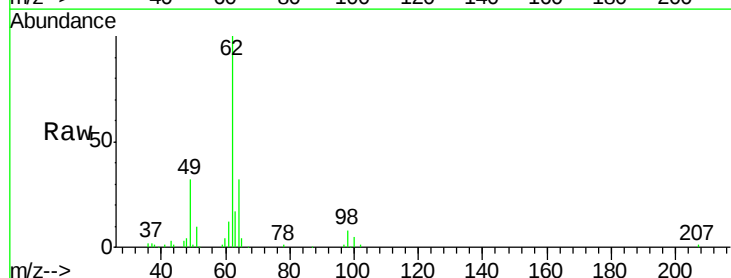
Manual Integrations
APPROVED

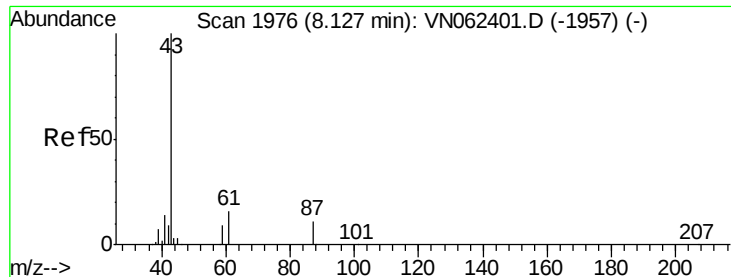
MMDadoda
7/10/2020 9:23:41 AM



#42
1,2-Dichloroethane
Concen: 20.137 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	62	Resp:	89958
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.8





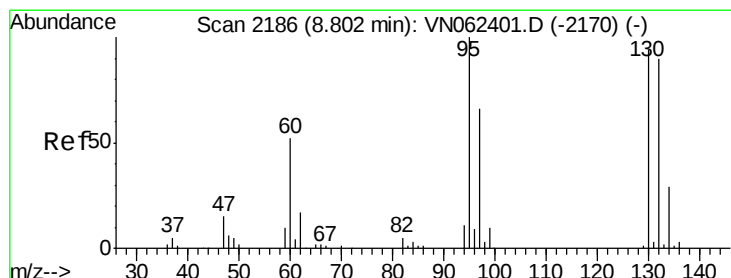
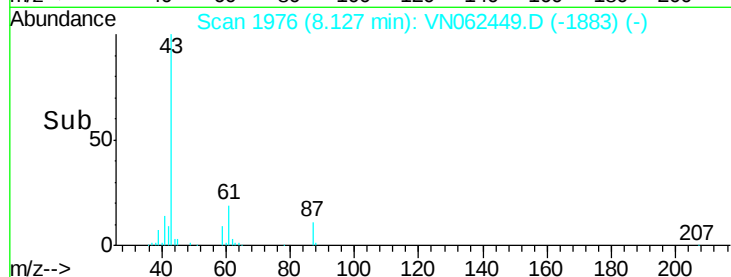
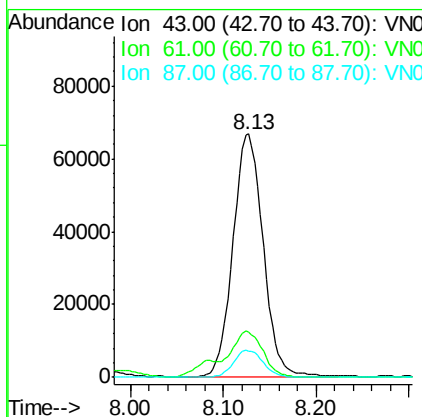
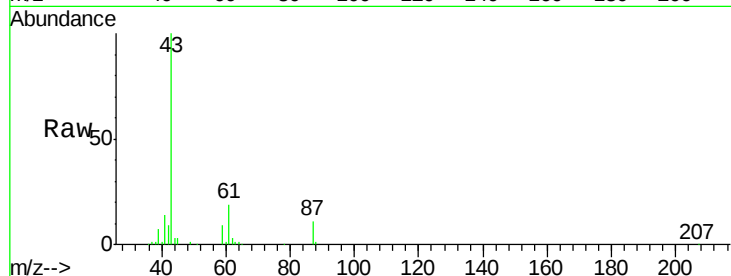
#43
Isopropyl Acetate
Concen: 19.864 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	19.3	28.9#
87	10.9	8.6	13.0

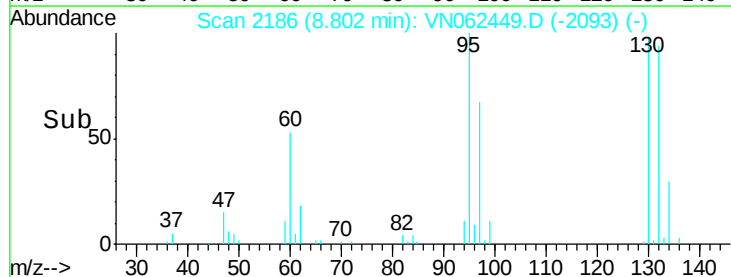
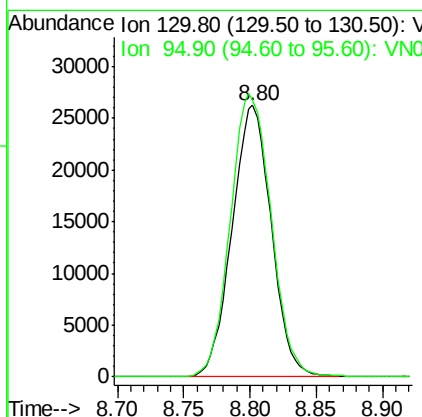
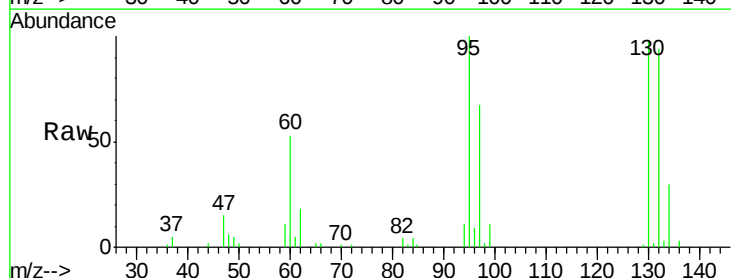
Manual Integrations
APPROVED

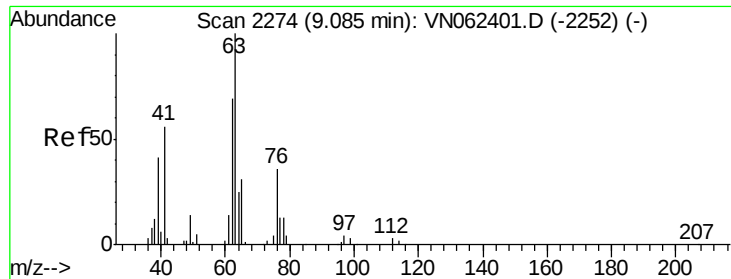
MMDadoda
7/10/2020 9:23:41 AM



#44
Trichloroethene
Concen: 19.899 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	213.8





#45

1,2-Dichloropropane

Concen: 19.509 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 63 Resp: 69093

Ion Ratio Lower Upper

63 100

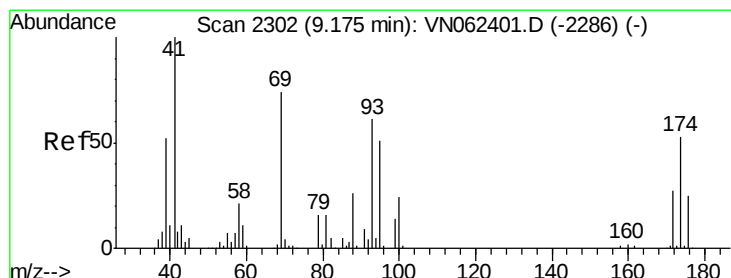
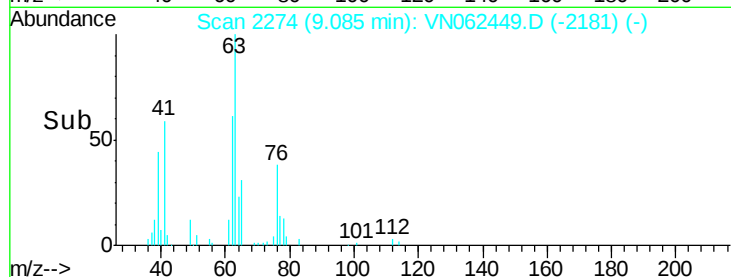
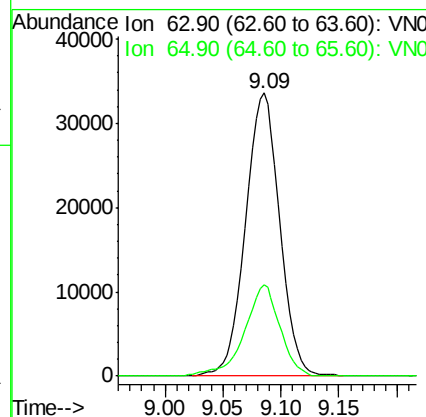
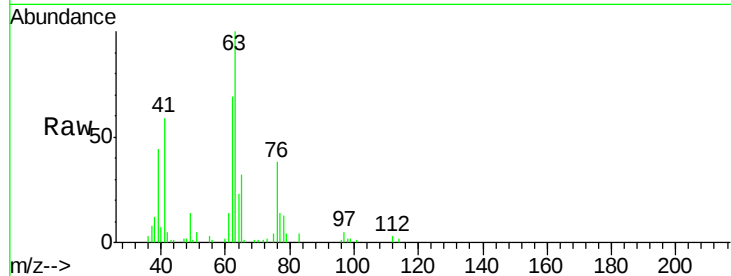
65 32.4 24.6 36.8

Manual Integrations

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MMDadoda

7/10/2020 9:23:41 AM



#46

Dibromomethane

Concen: 20.218 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

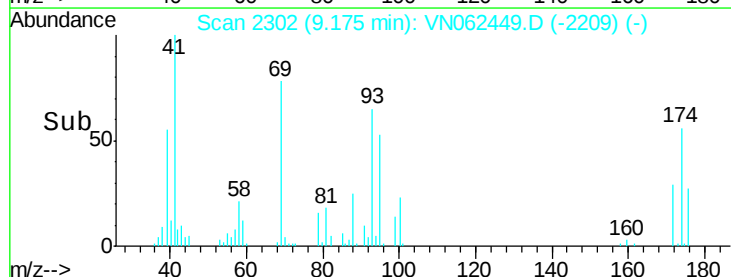
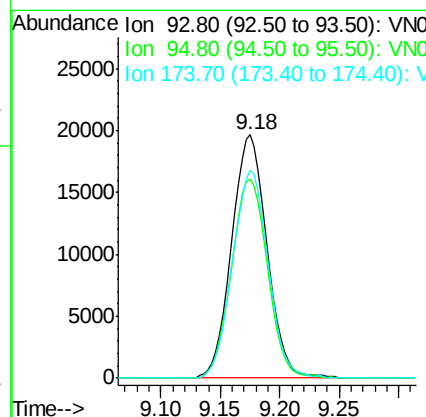
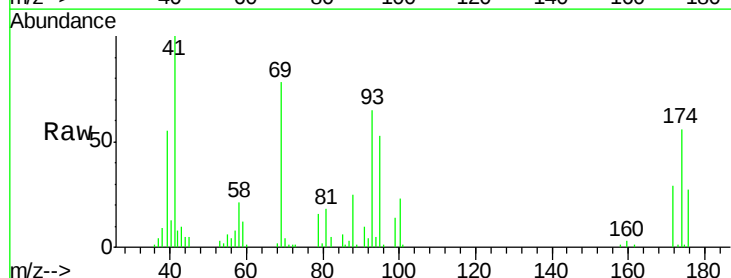
Tgt Ion: 93 Resp: 40409

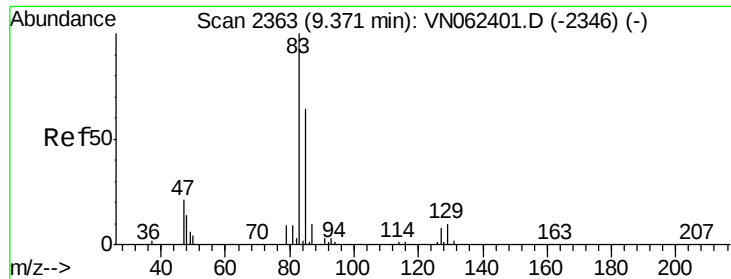
Ion Ratio Lower Upper

93 100

95 83.5 67.1 100.7

174 86.5 70.4 105.6





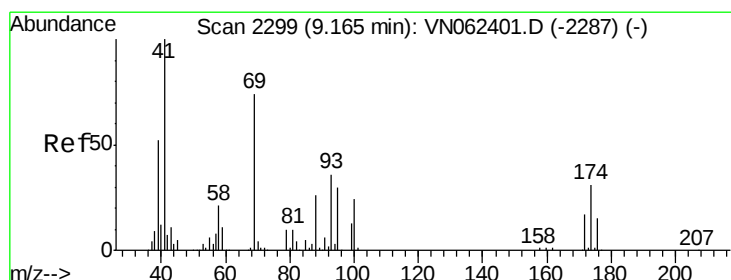
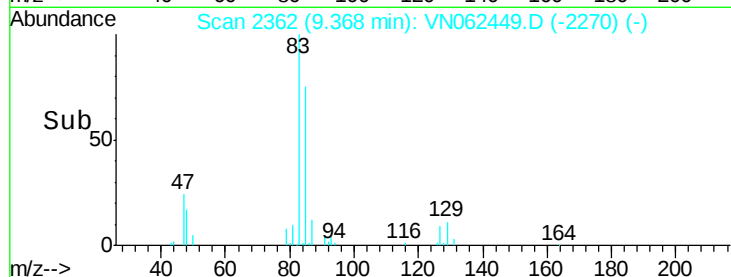
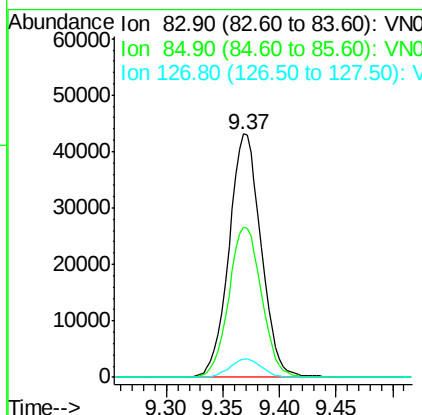
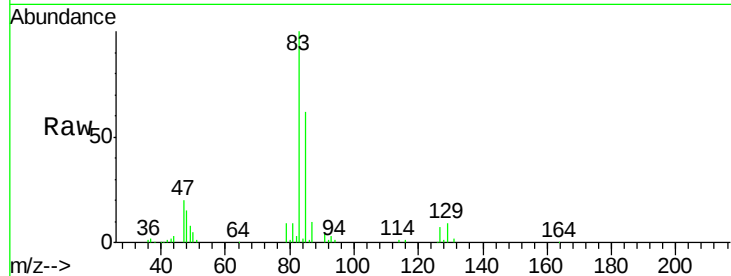
#47
Bromodichloromethane
Concen: 19.945 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	83	Resp	85225
Ion Ratio	100	Lower	Upper
83	100		
85	61.7	51.2	76.8
127	7.3	6.2	9.2

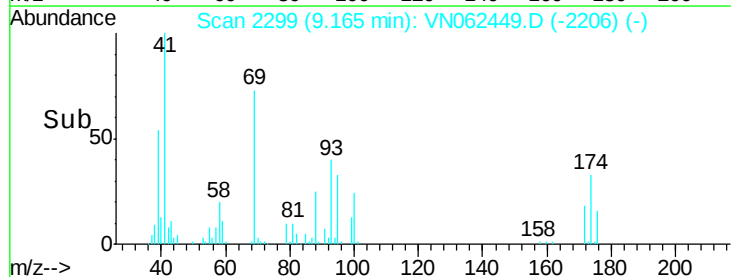
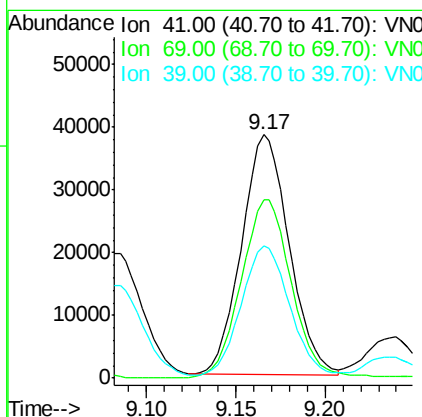
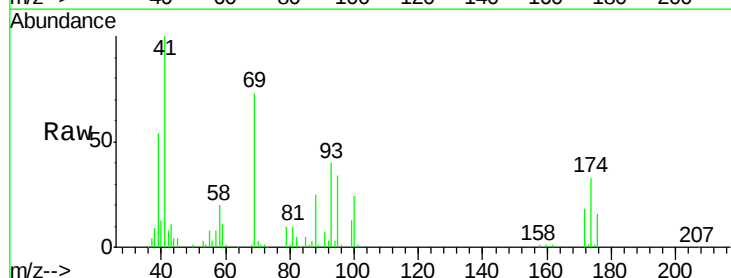
Manual Integrations
APPROVED

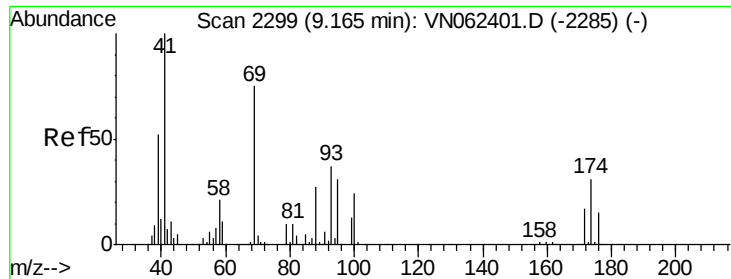
MMDadoda
7/10/2020 9:23:41 AM



#48
Methyl methacrylate
Concen: 18.979 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	41	Resp	71187
Ion Ratio	100	Lower	Upper
41	100		
69	78.7	60.8	91.2
39	57.7	43.5	65.3





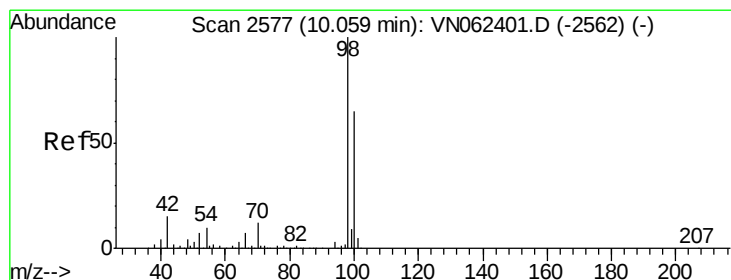
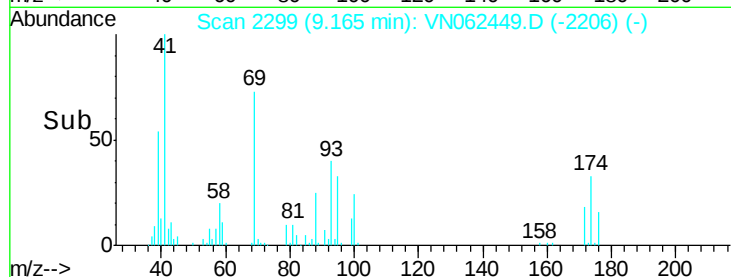
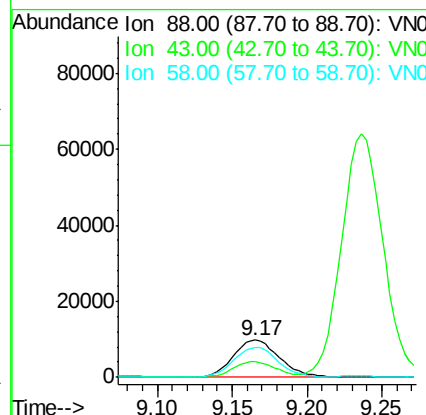
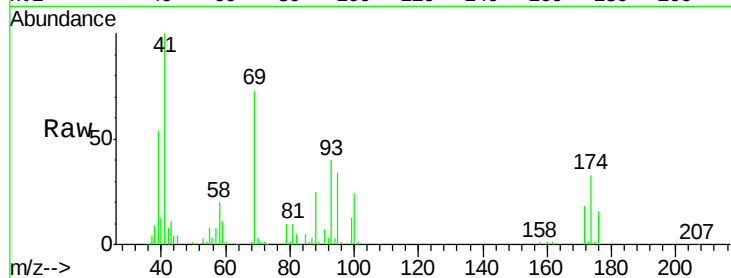
#49
 1,4-Dioxane
 Concen: 387.167 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	31.0	46.4
58	77.8	63.3	94.9

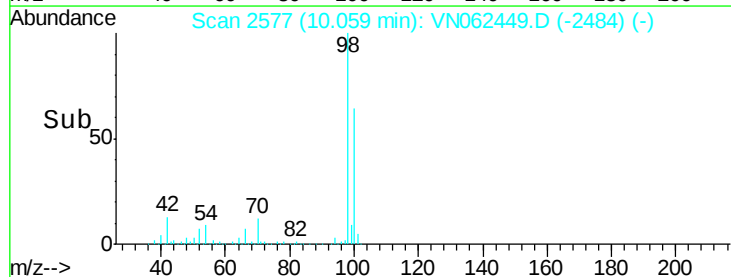
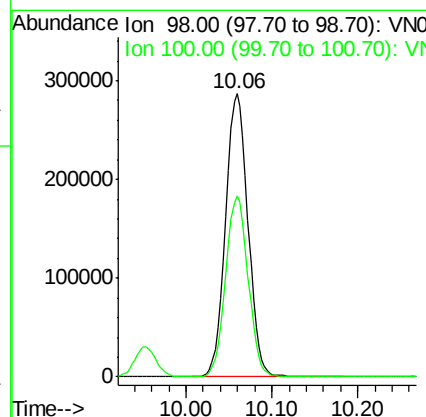
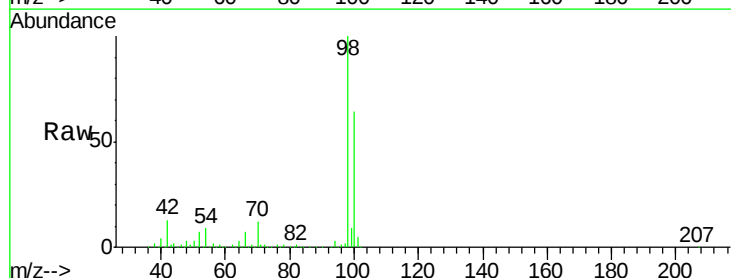
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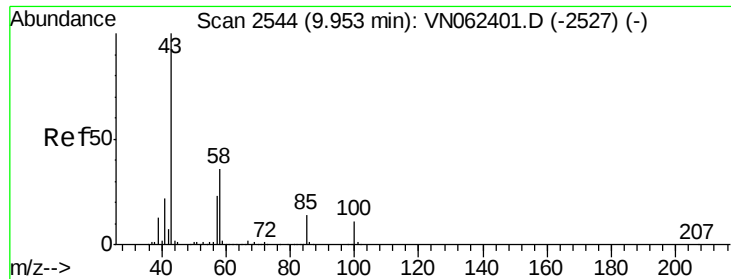
MMDadoda
 7/10/2020 9:23:41 AM



#50
 Toluene-d8
 Concen: 52.034 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





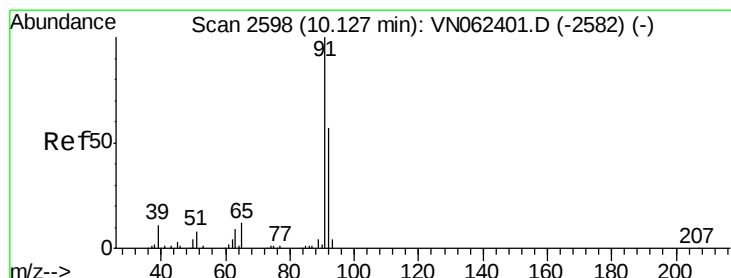
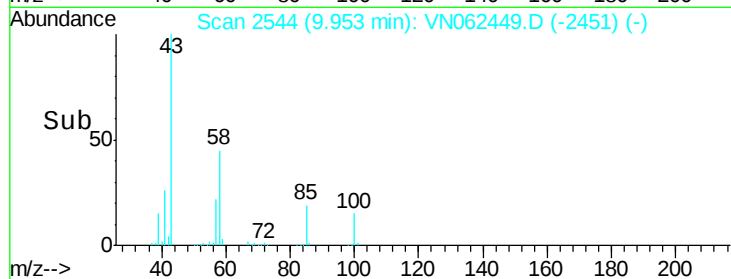
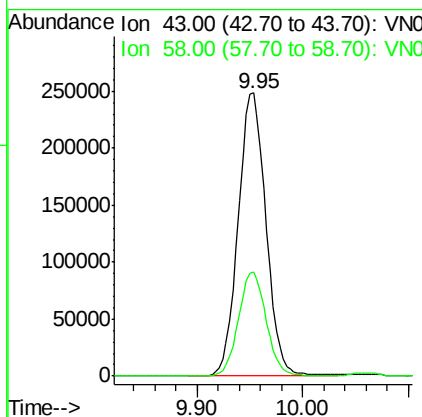
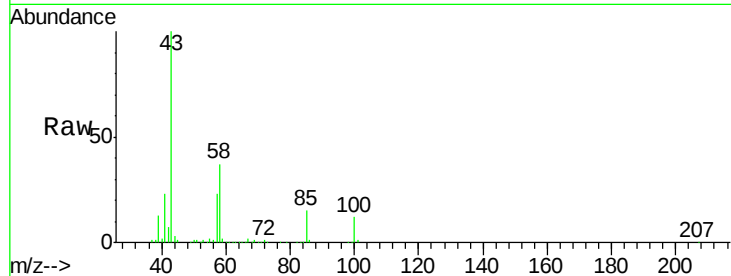
#51
 4-Methyl-2-Pentanone
 Concen: 99.852 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0709WBS01

Tot Ion	43	Resp	456034
Ion Ratio	100	Lower	Upper
43	100		
58	36.6	29.0	43.6

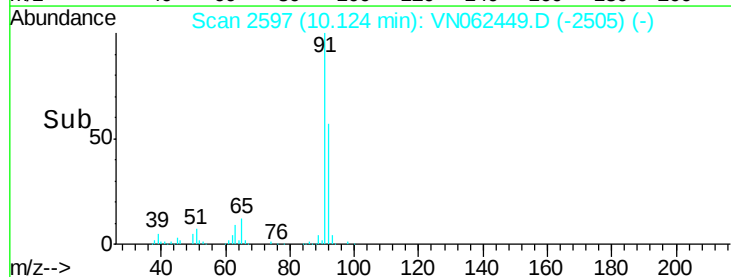
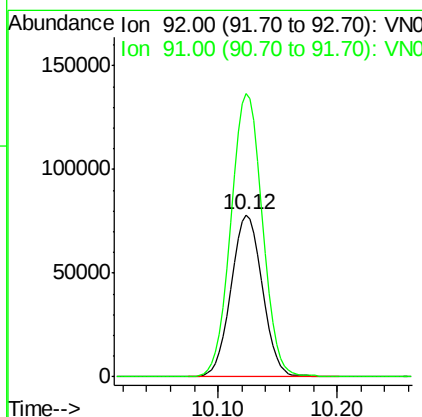
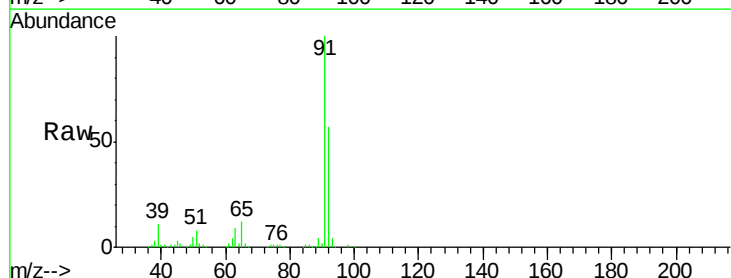
Manual Integrations
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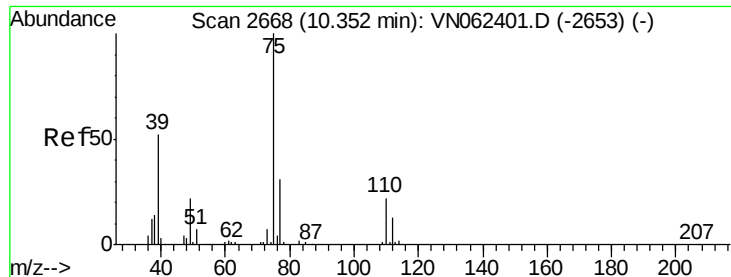
MMDadoda
 7/10/2020 9:23:41 AM



#52
 Toluene
 Concen: 20.286 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	92	Resp	142957
Ion Ratio	100	Lower	Upper
92	100		
91	175.8	141.0	211.6





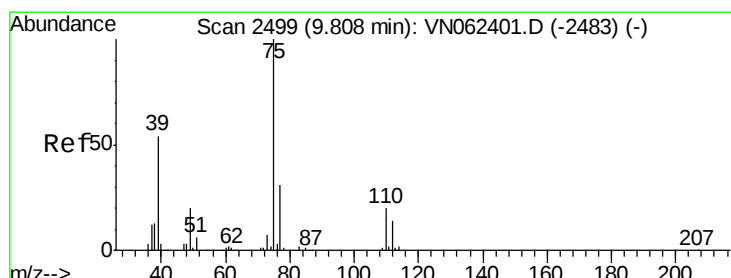
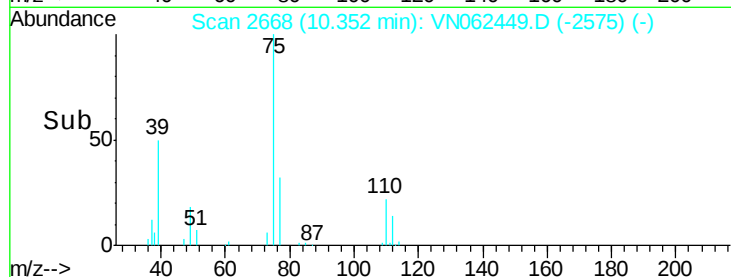
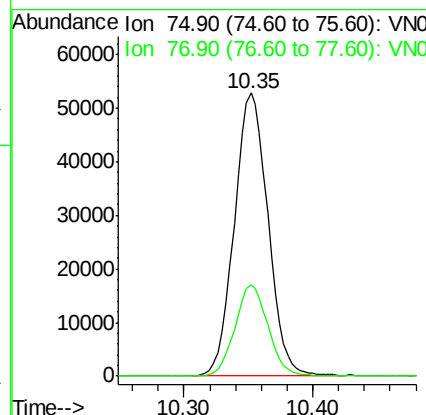
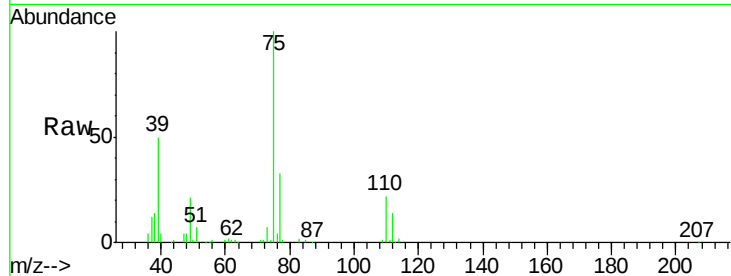
#53
t-1,3-Dichloropropene
Concen: 20.029 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion: 75 Resp: 95883
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8

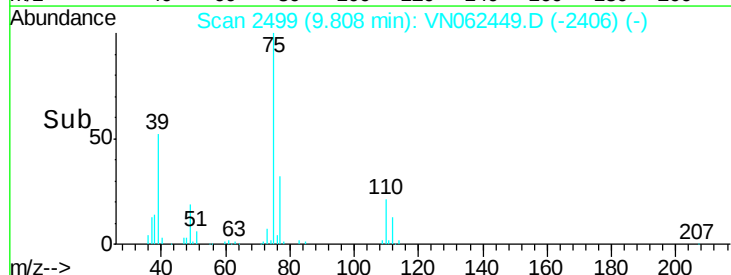
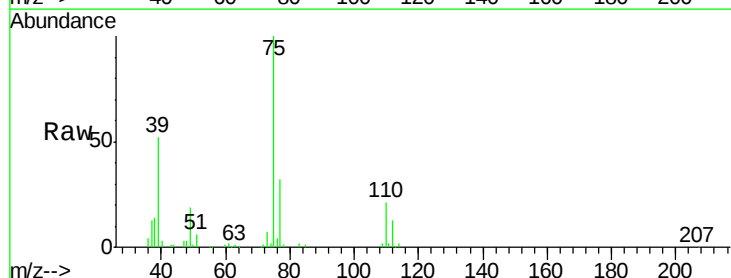
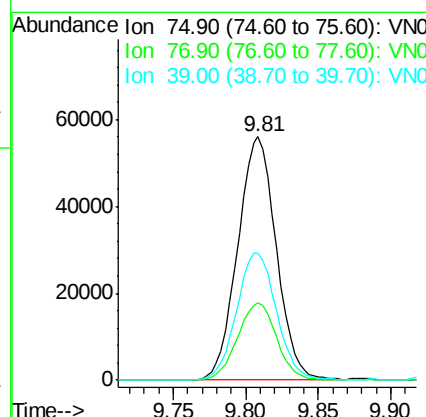
Manual Integrations
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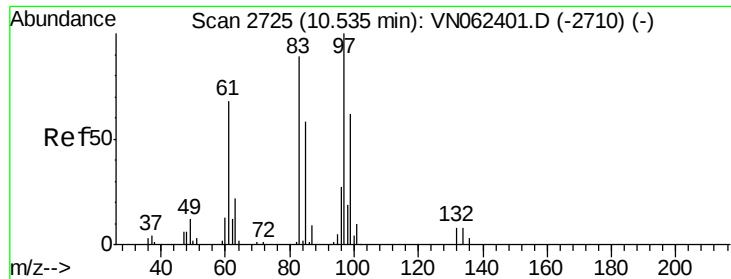
MMDadoda
7/10/2020 9:23:41 AM



#54
cis-1,3-Dichloropropene
Concen: 19.604 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 75 Resp: 103548
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7
39 52.2 43.4 65.0





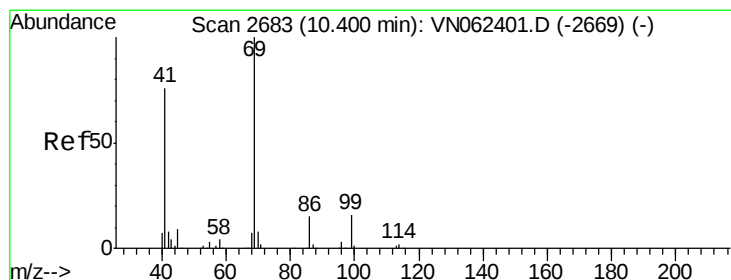
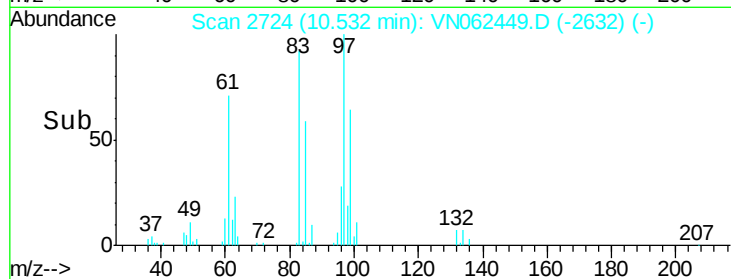
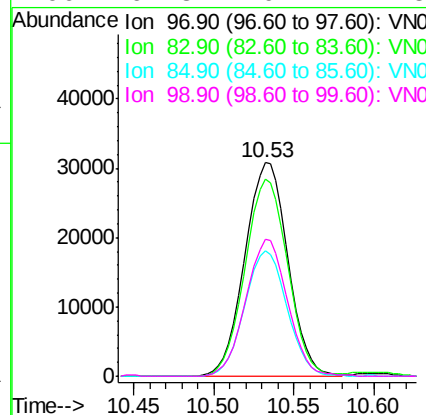
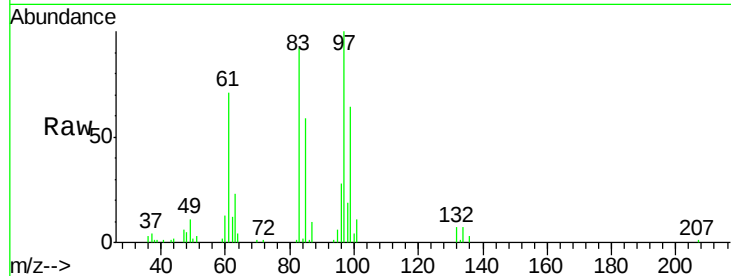
#55
 1,1,2-Trichloroethane
 Concen: 20.422 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion:	97	Resp:	56600
Ion	Ratio	Lower	Upper
97	100		
83	92.3	71.0	106.4
85	58.5	46.2	69.4
99	64.3	49.7	74.5

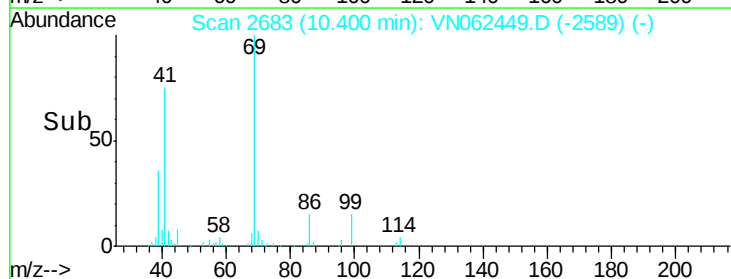
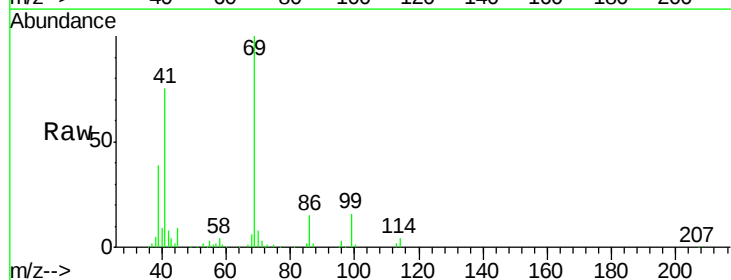
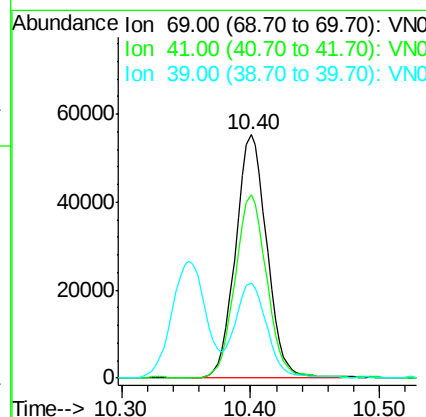
Manual Integrations
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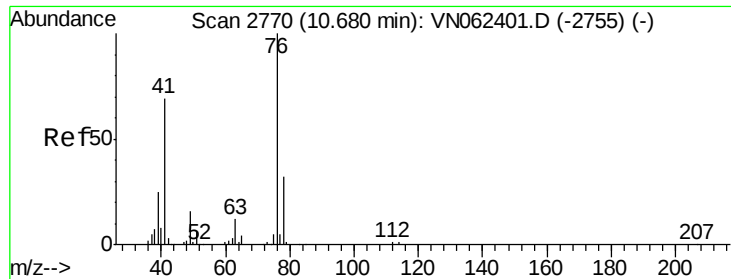
MMDadoda
 7/10/2020 9:23:41 AM



#56
 Ethyl methacrylate
 Concen: 19.434 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion:	69	Resp:	93601
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.7	89.5
39	40.2	30.6	45.8





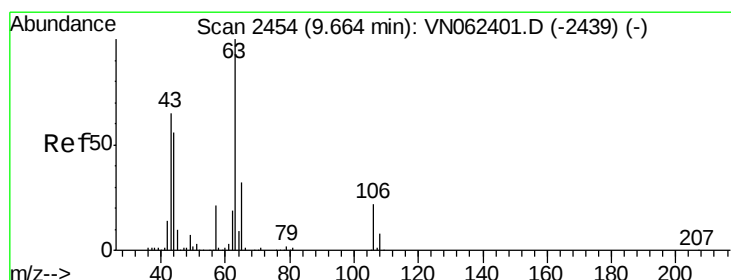
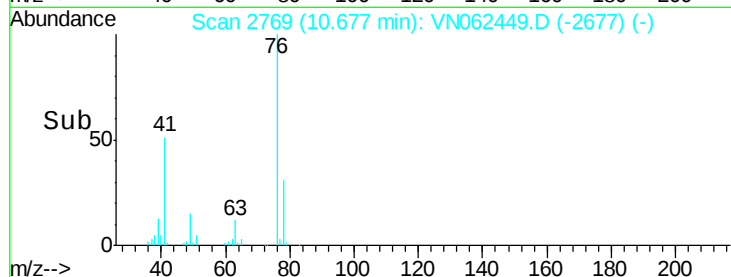
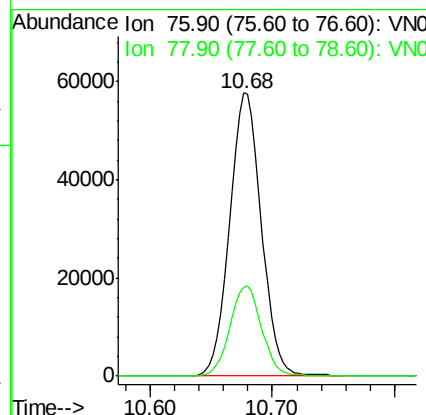
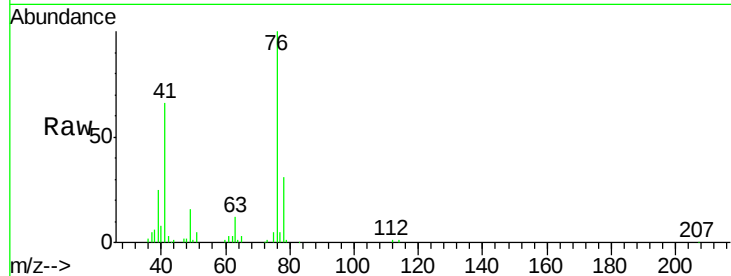
#57
 1,3-Dichloropropane
 Concen: 20.466 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion: 76 Resp: 104798
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

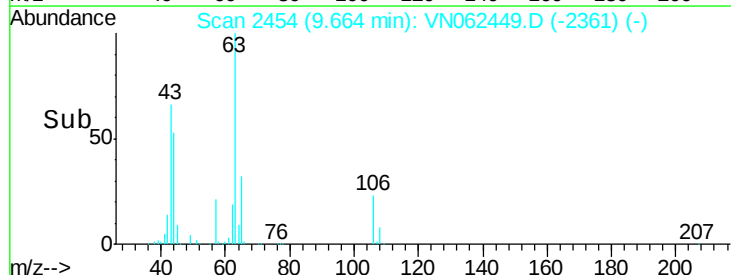
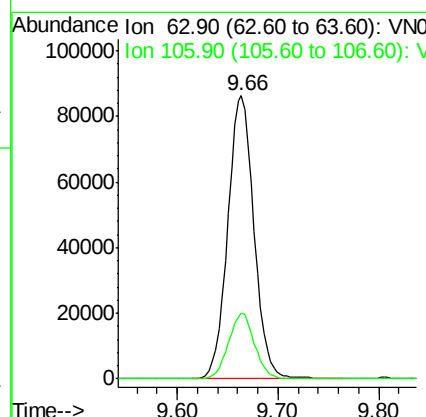
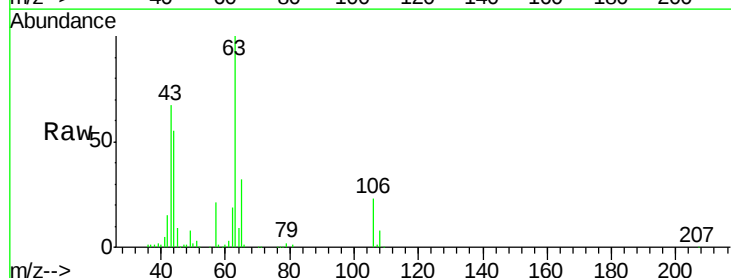
Manual Integrations
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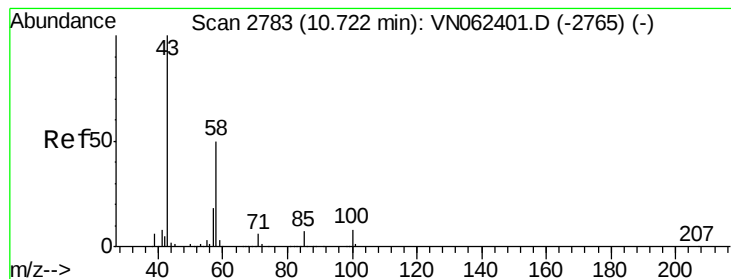
MMDadoda
 7/10/2020 9:23:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.207 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 63 Resp: 156547
 Ion Ratio Lower Upper
 63 100
 106 23.1 17.6 26.4





#59

2-Hexanone

Concen: 99.013 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 43 Resp: 328285

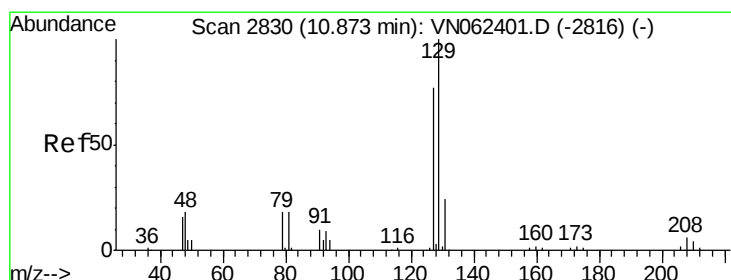
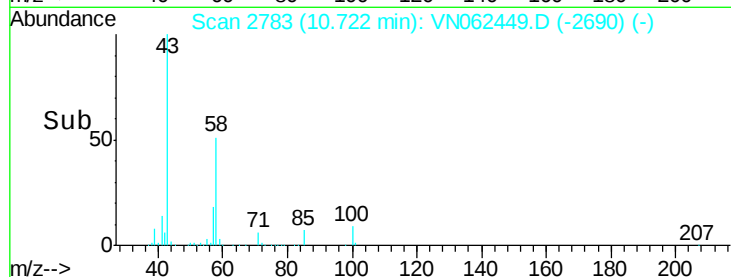
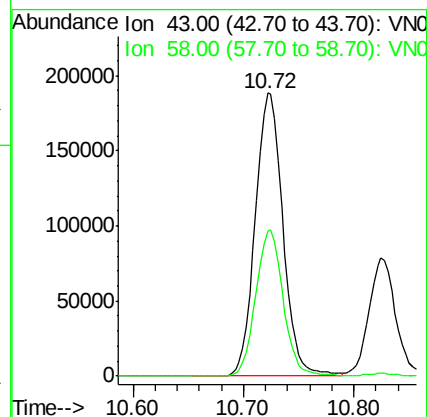
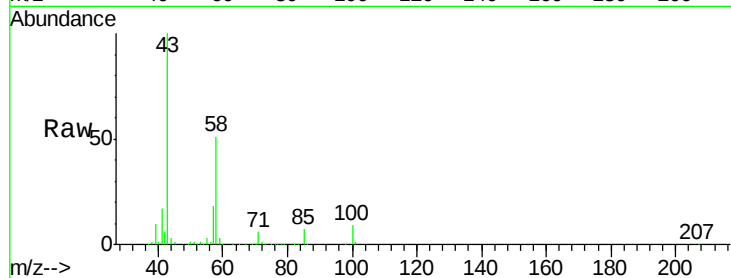
Ion Ratio Lower Upper

43 100

58 51.1 25.1 75.2

Manual Integrations
APPROVED

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7/10/2020 9:23:41 AM



#60

Dibromochloromethane

Concen: 19.646 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062449.D

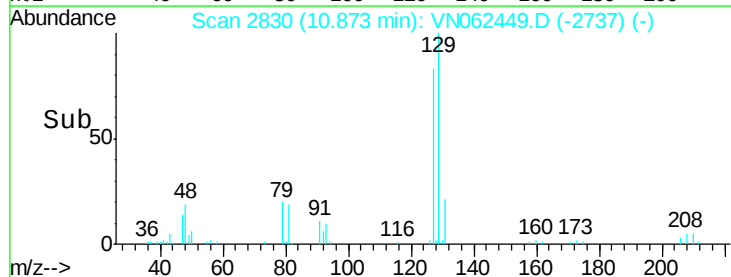
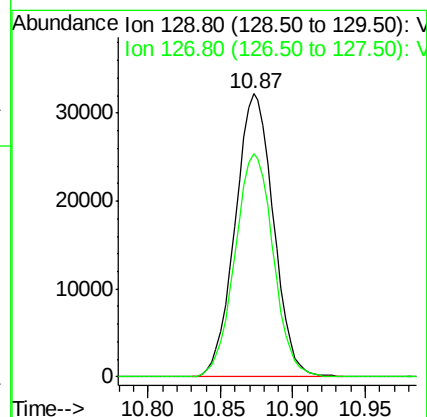
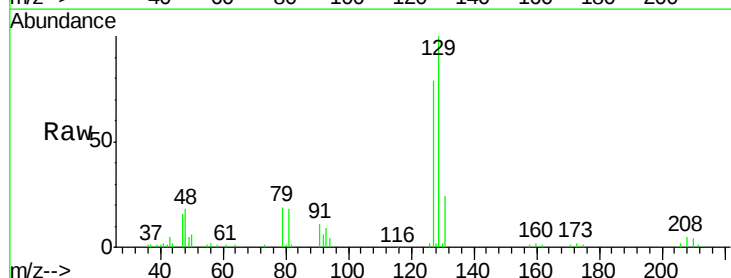
Acq: 9 Jul 2020 11:51

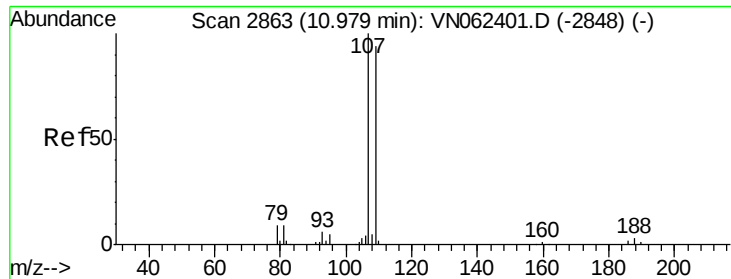
Tgt Ion: 129 Resp: 59040

Ion Ratio Lower Upper

129 100

127 78.7 38.6 115.8





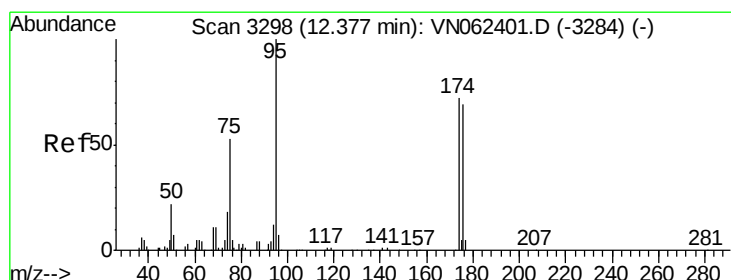
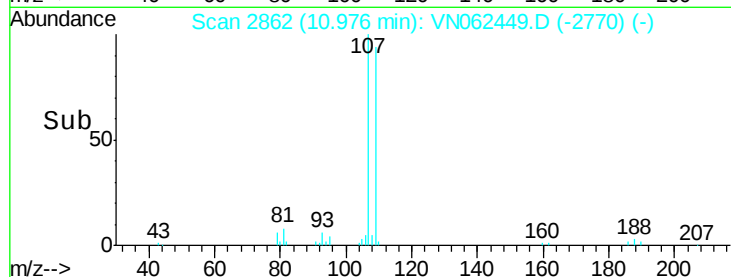
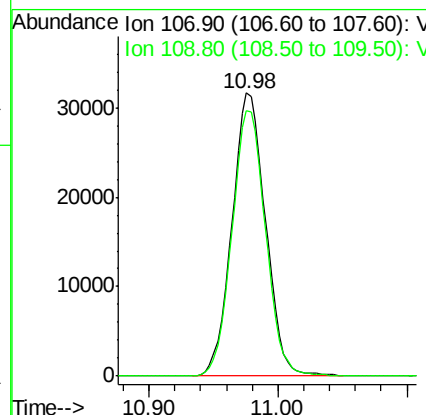
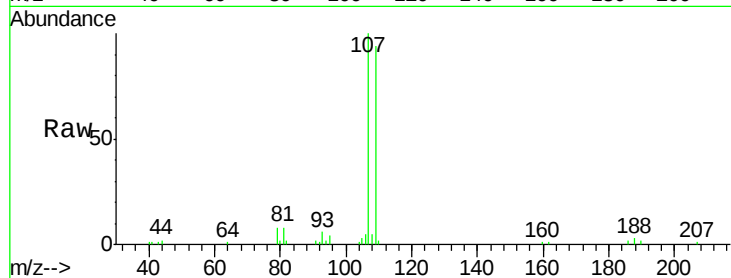
#61
 1,2-Dibromoethane
 Concen: 20.394 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.6	113.4

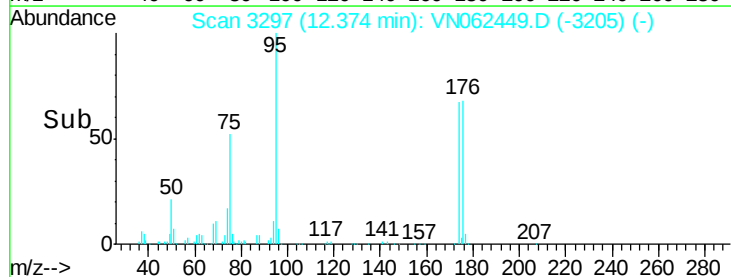
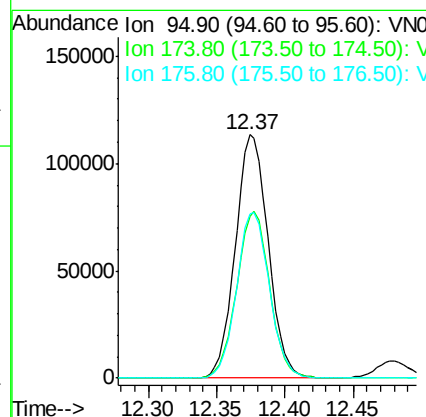
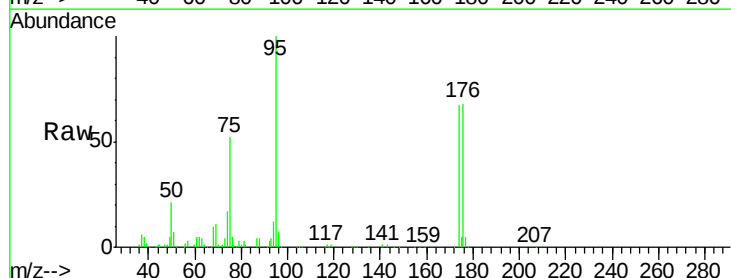
Manual Integrations
 APPROVED

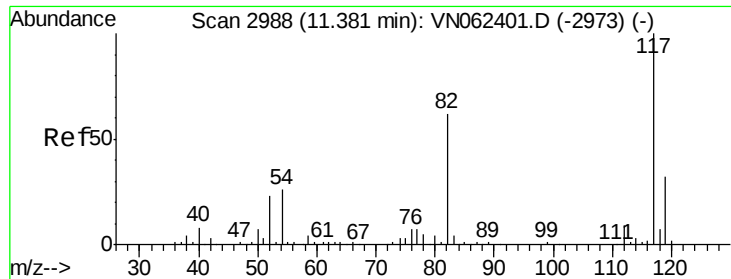
MMDadoda
 7/10/2020 9:23:41 AM



#62
 4-Bromofluorobenzene
 Concen: 51.785 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.8	0.0	141.6
176	68.1	0.0	137.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

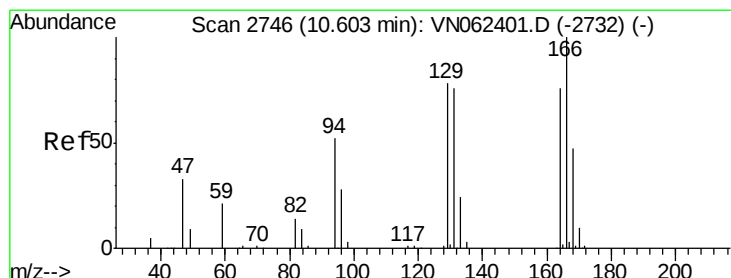
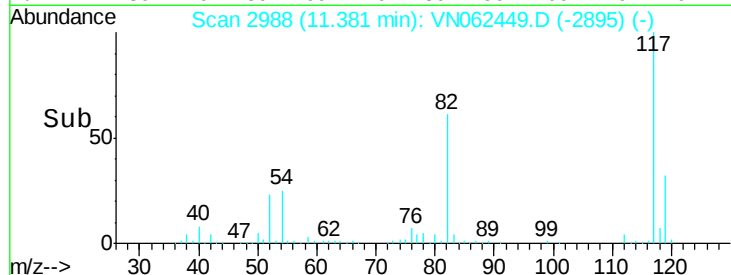
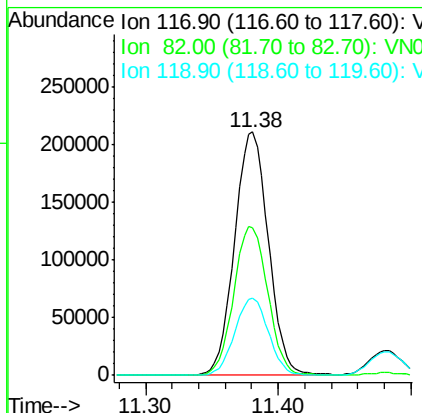
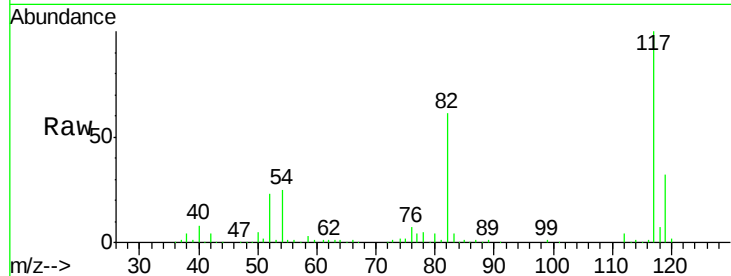
ClientSampleId :

VN0709WBS01

Tot Ion:	117	Resp:	374967
Ion Ratio	Lower	Upper	
117	100		
82	60.5	49.6	74.4
119	31.9	25.4	38.0

Manual Integrations
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MMDadoda
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#64

Tetrachloroethene

Concen: 20.572 ug/l

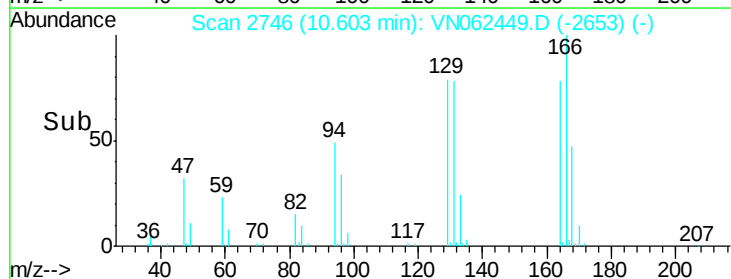
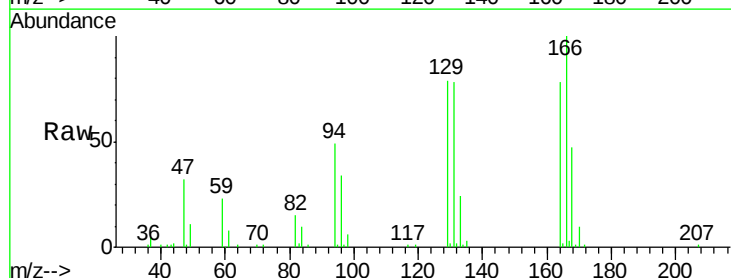
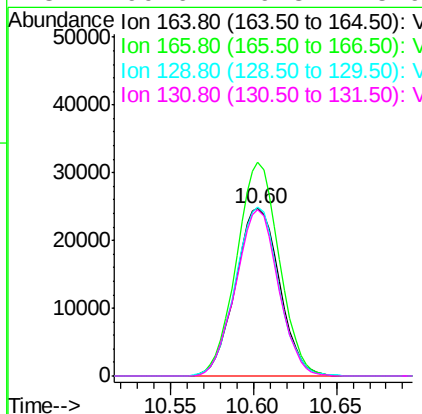
RT: 10.60 min Scan# 2746

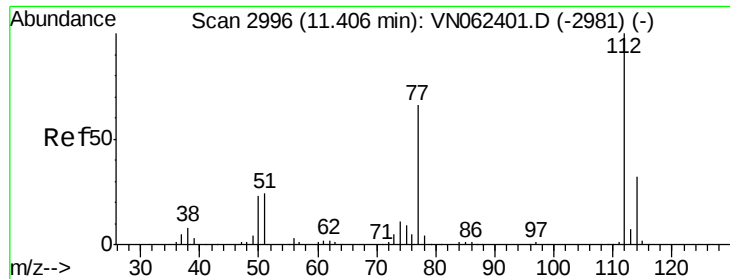
Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion:	164	Resp:	45773
Ion Ratio	Lower	Upper	
164	100		
166	127.7	104.9	157.3
129	101.4	81.8	122.6
131	99.6	79.3	118.9





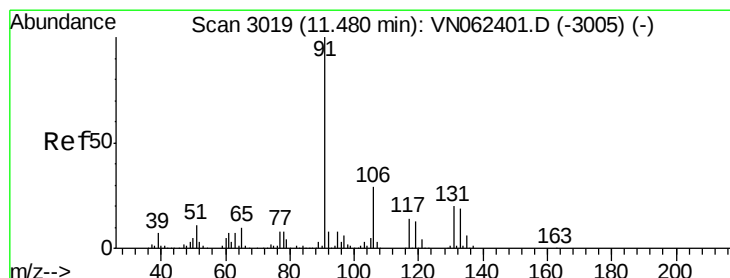
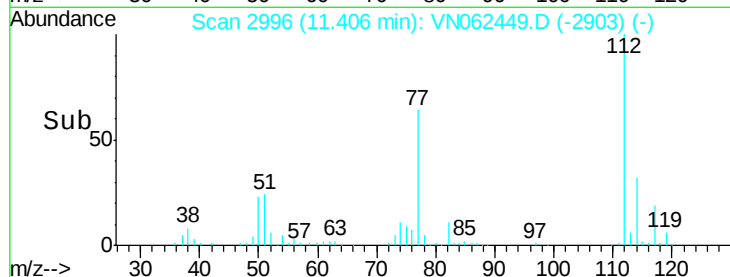
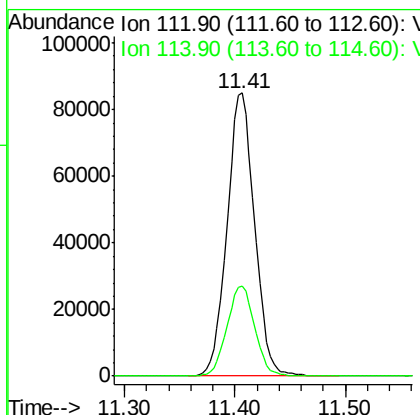
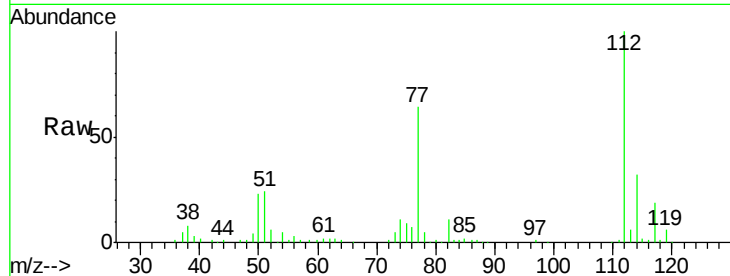
#65
Chlorobenzene
Concen: 20.171 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion:112 Resp: 146997
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

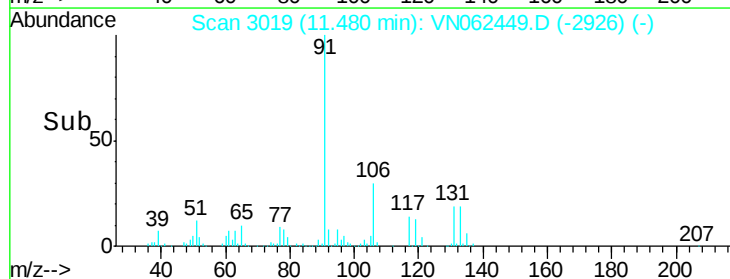
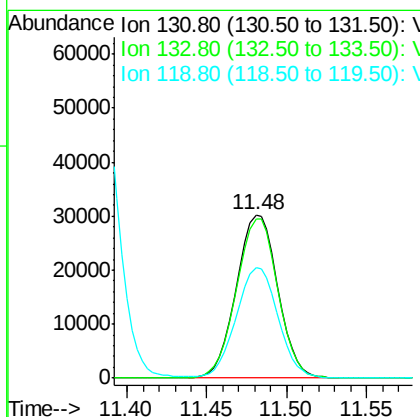
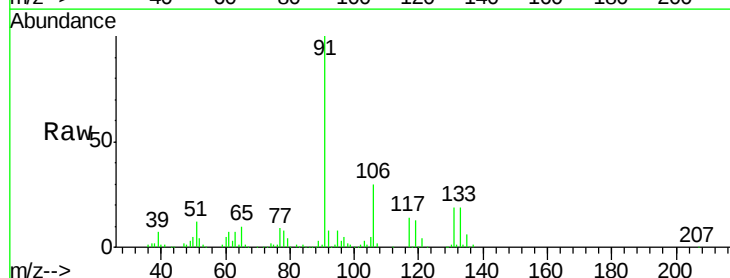
Manual Integrations
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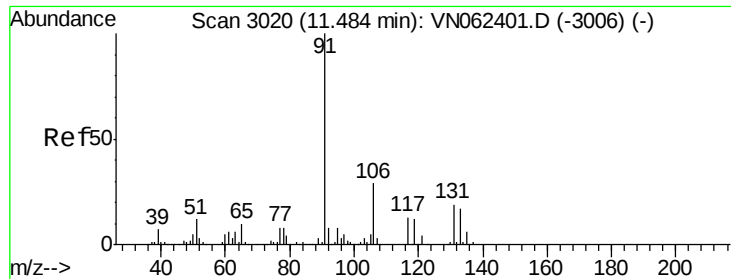
MMDadoda
7/10/2020 9:23:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.887 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion:131 Resp: 53446
Ion Ratio Lower Upper
131 100
133 97.6 46.9 140.8
119 68.4 33.2 99.6





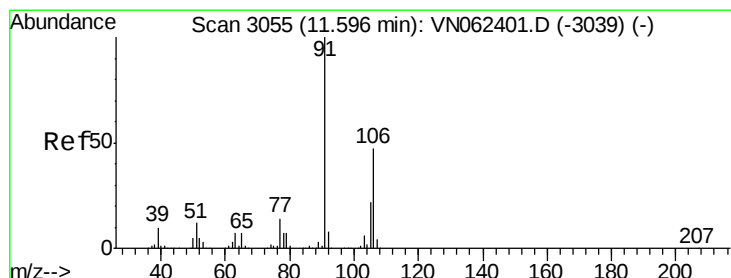
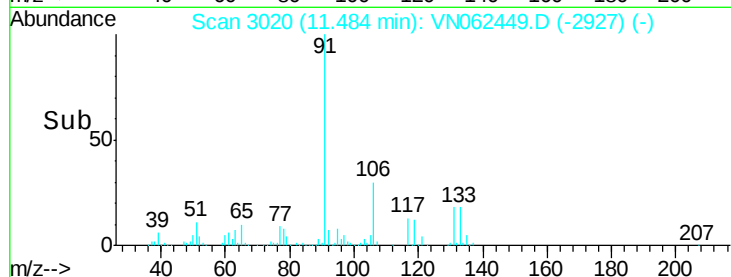
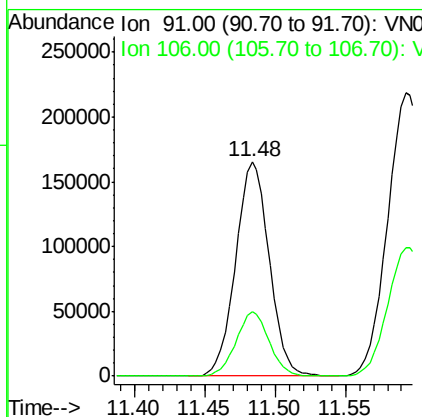
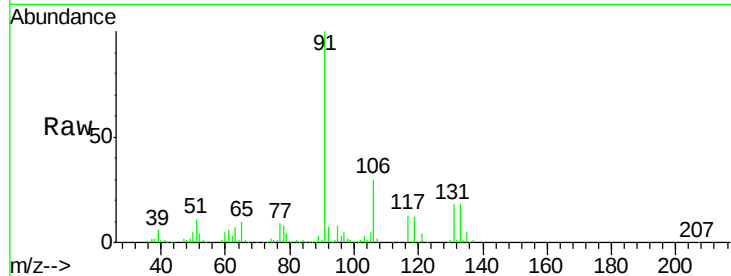
#67
Ethyl Benzene
Concen: 20.222 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion: 91 Resp: 276623
Ion Ratio Lower Upper
91 100
106 30.1 23.4 35.2

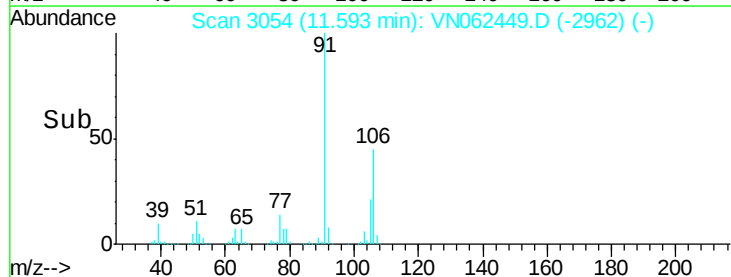
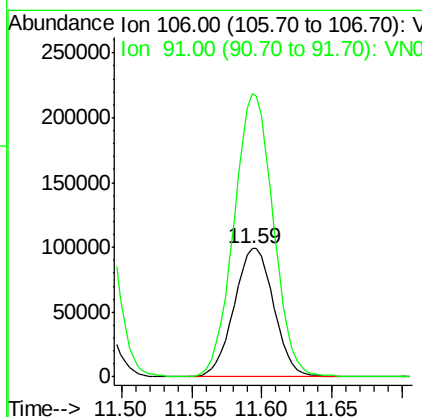
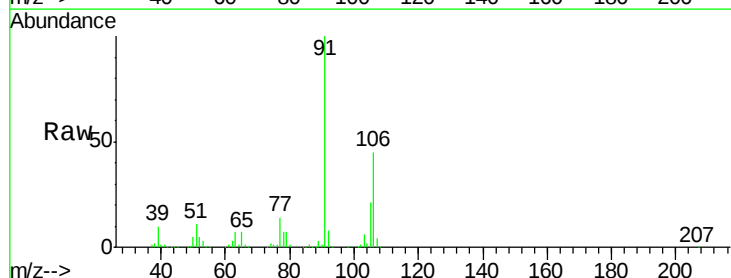
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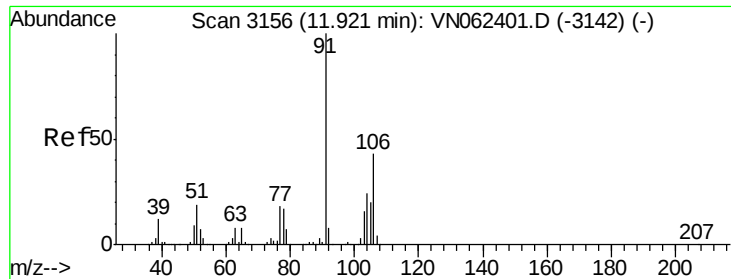
MMDadoda
7/10/2020 9:23:41 AM



#68
m/p-Xylenes
Concen: 40.359 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 106 Resp: 195441
Ion Ratio Lower Upper
106 100
91 217.5 172.4 258.6





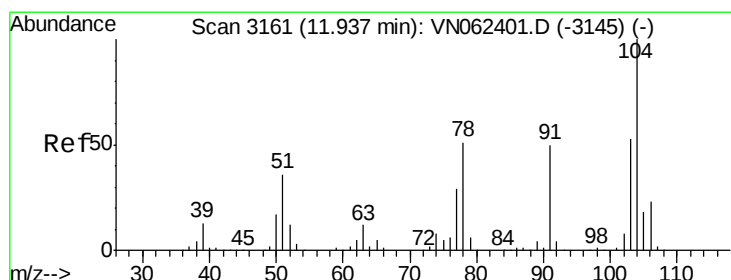
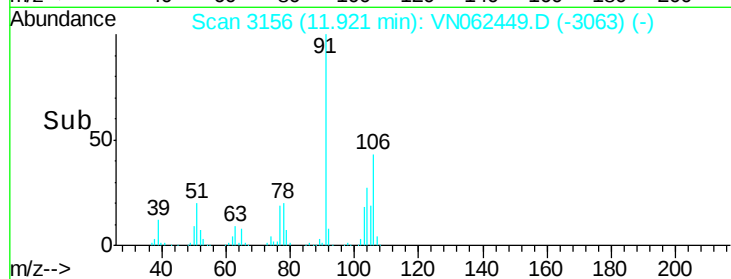
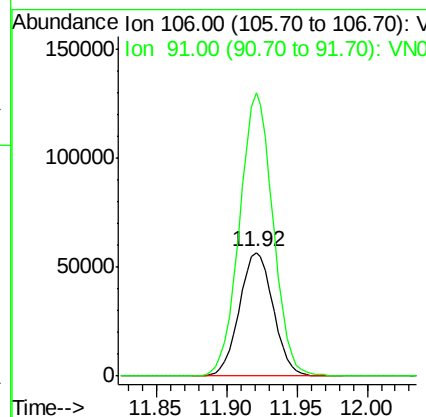
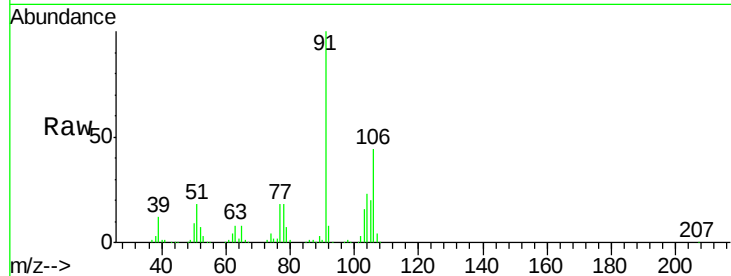
#69
o-Xylene
Concen: 20.333 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0709WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		95871		
91	225.2	113.8	341.4		

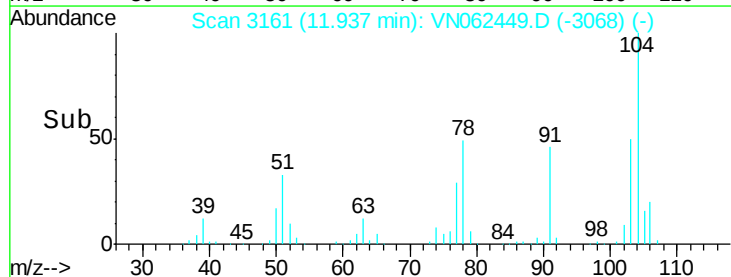
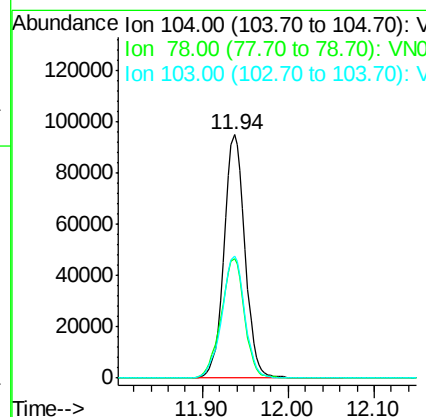
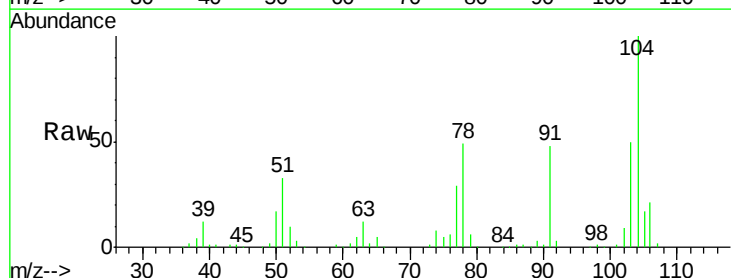
Manual Integrations
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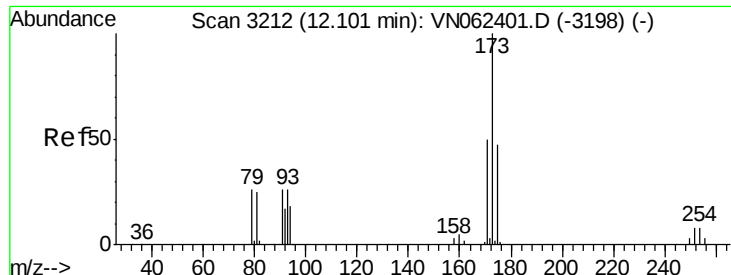
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#70
Styrene
Concen: 20.659 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		160984		
78	54.6	44.2	66.4		
103	54.6	44.4	66.6		





#71

Bromoform

Concen: 20.286 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion:173 Resp: 39965

Ion Ratio Lower Upper

173 100

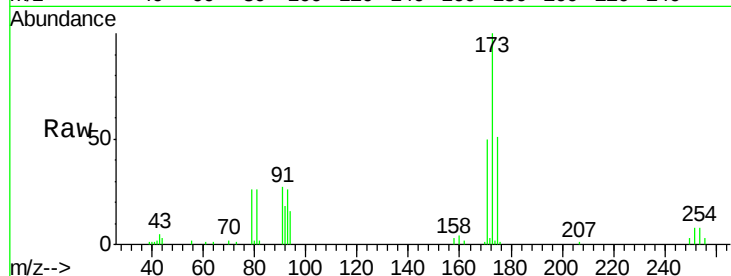
175 49.7 23.7 71.1

254 0.0 0.0 0.0

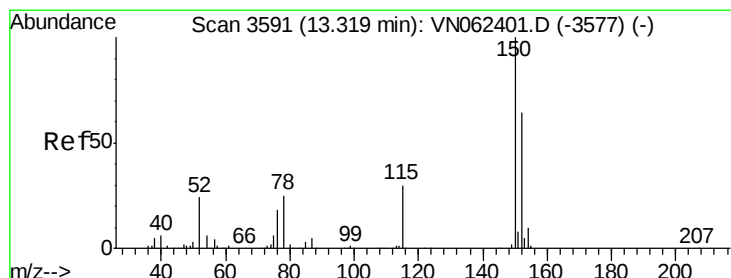
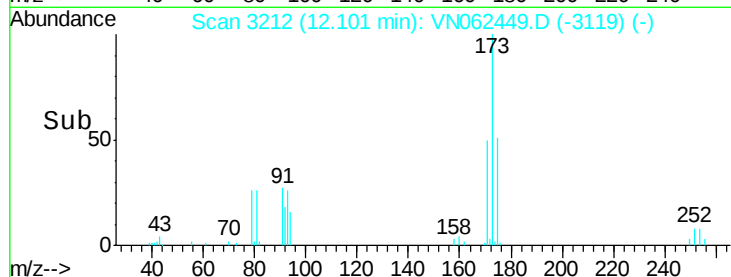
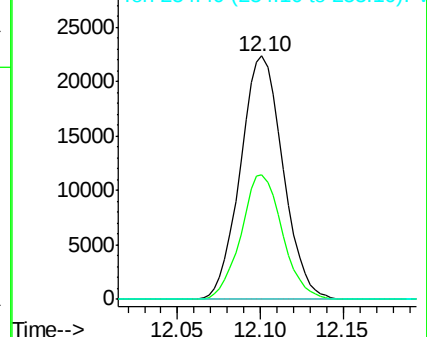
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

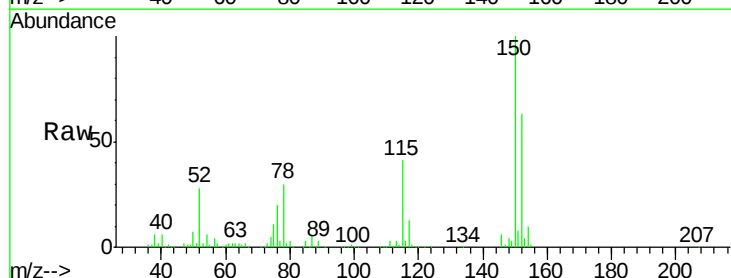
Tgt Ion:152 Resp: 162312

Ion Ratio Lower Upper

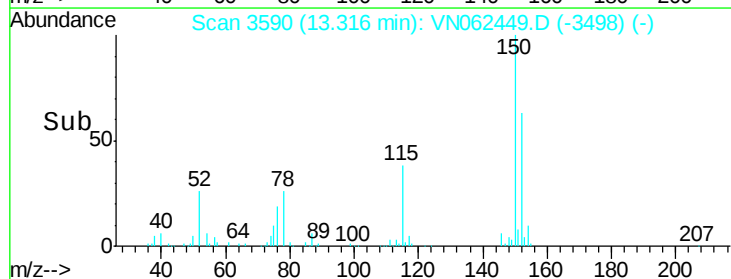
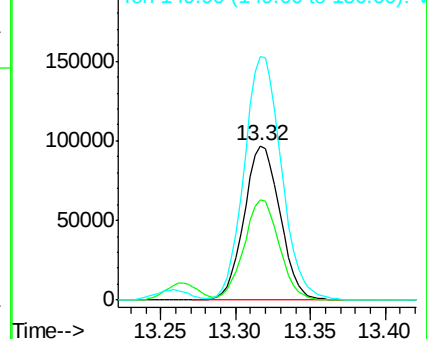
152 100

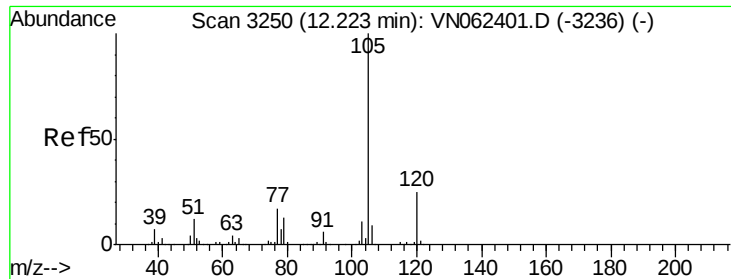
115 64.0 31.4 94.2

150 164.6 0.0 347.4



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





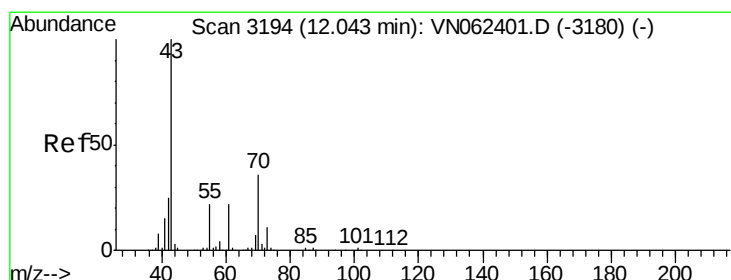
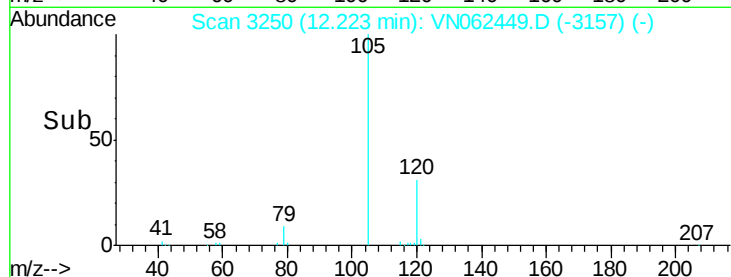
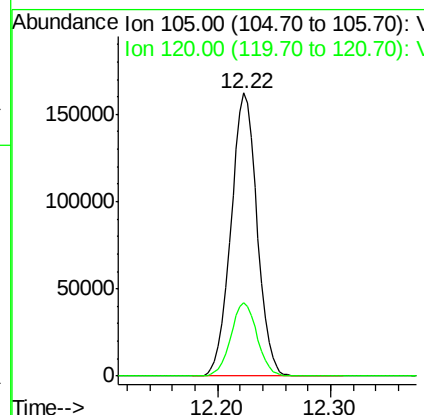
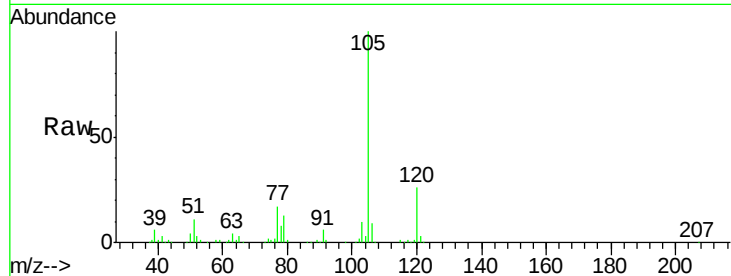
#73
Isopropylbenzene
Concen: 20.681 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.7	38.1

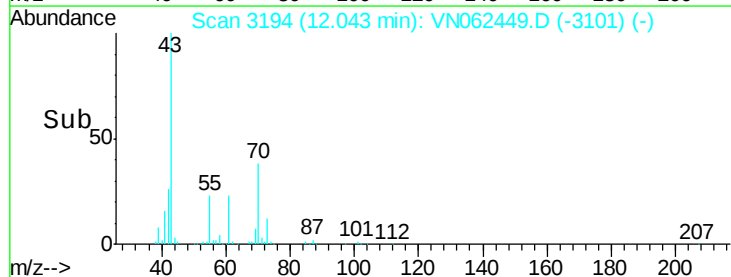
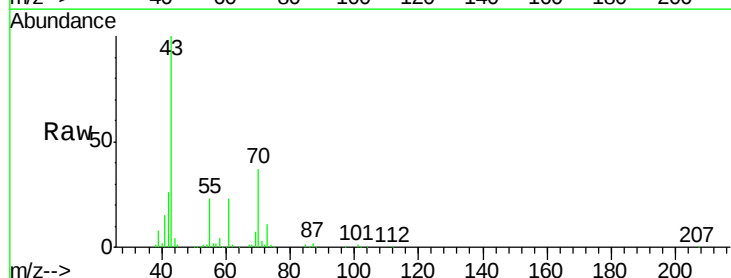
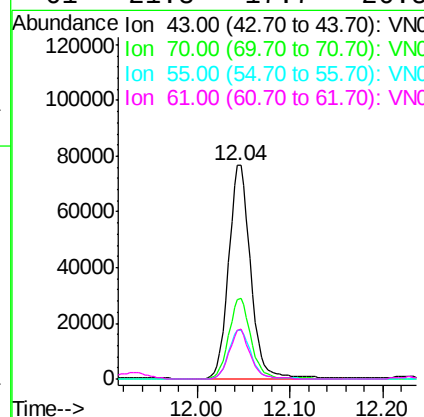
Manual Integrations
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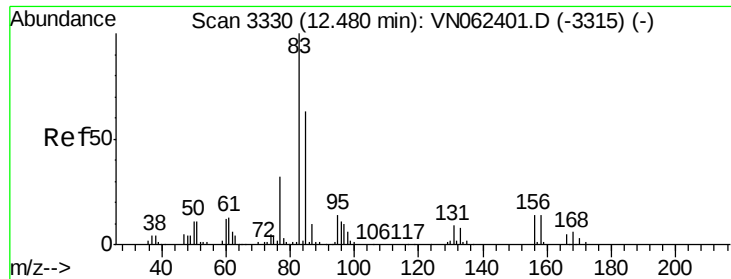
MMDadoda
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#74
N-ethyl acetate
Concen: 20.837 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.0	45.0
55	22.8	18.2	27.4
61	21.8	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.480 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

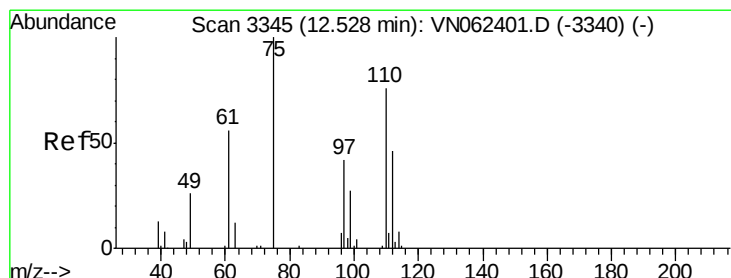
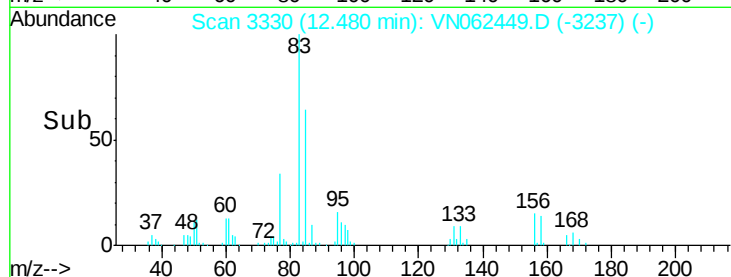
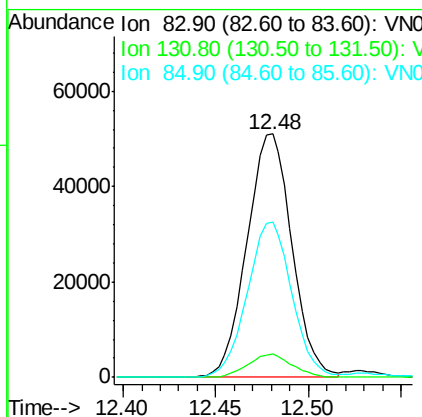
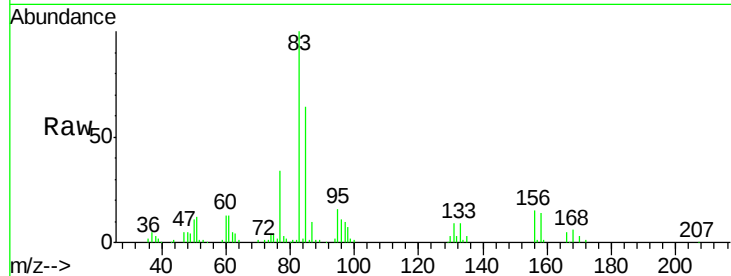
ClientSampleId :

VN0709WBS01

Tot Ion:	83	Resp:	86489
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.5
85	63.2	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 19.139 ug/l m

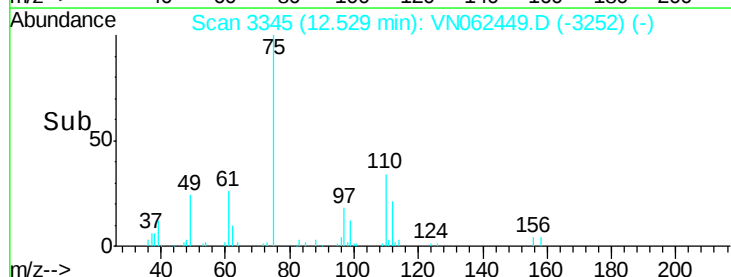
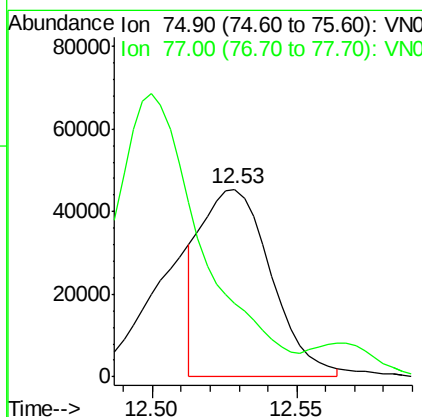
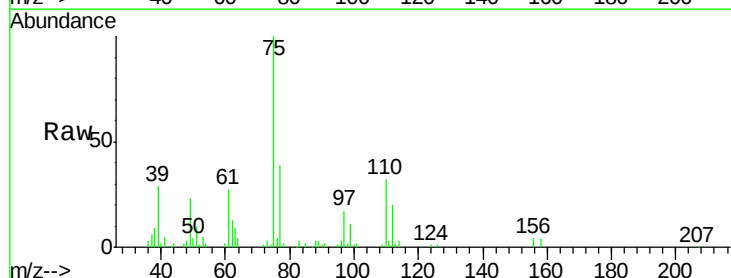
RT: 12.53 min Scan# 3345

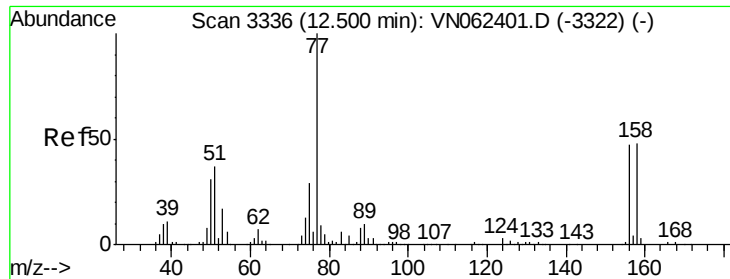
Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion:	75	Resp:	76221
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.436 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion:156 Resp: 58352

Ion Ratio Lower Upper

156 100

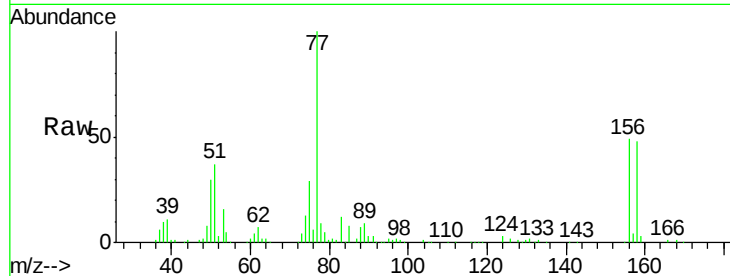
77 250.1 126.4 379.3

158 97.9 49.8 149.4

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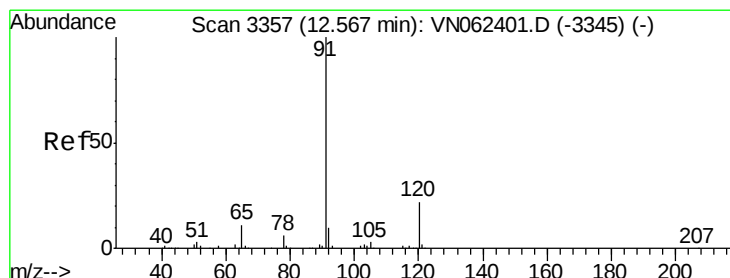
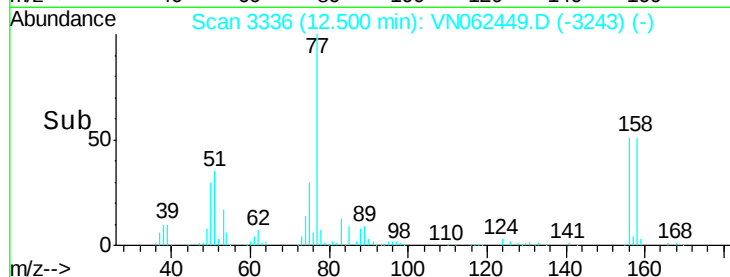
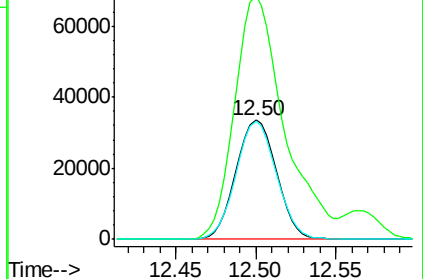
7/10/2020 9:23:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.783 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062449.D

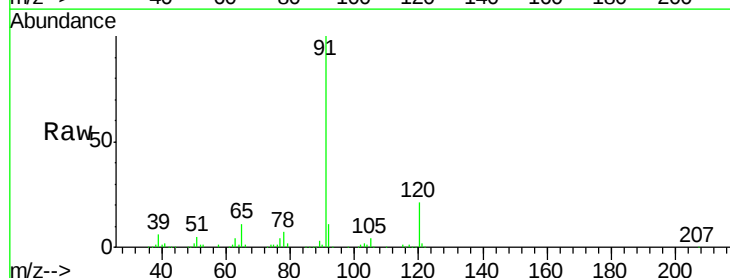
Acq: 9 Jul 2020 11:51

Tgt Ion: 91 Resp: 304919

Ion Ratio Lower Upper

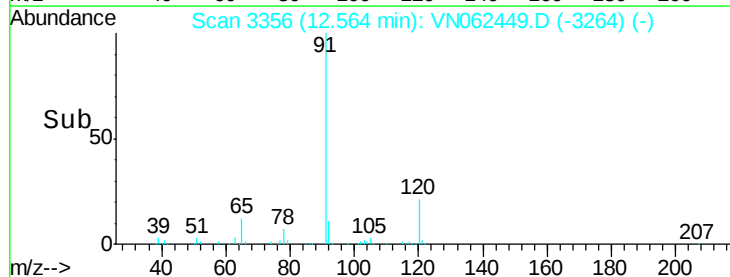
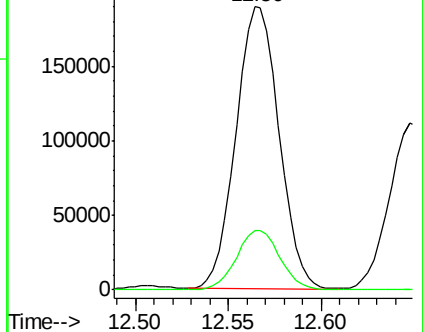
91 100

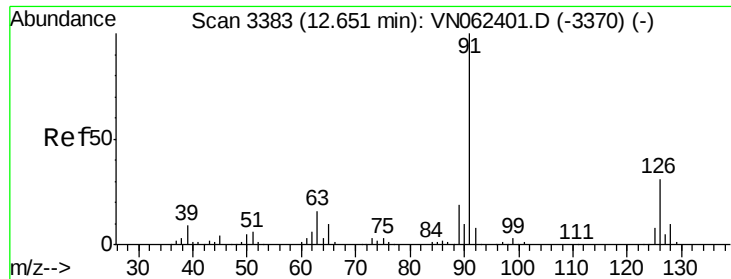
120 21.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.708 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 91 Resp: 184394

Ion Ratio Lower Upper

91 100

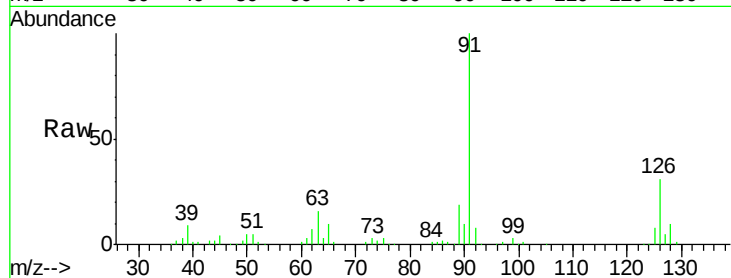
126 31.1 15.6 46.7

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Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3370) (-)

200000

150000

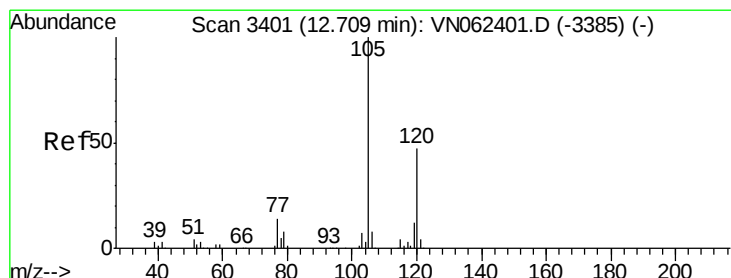
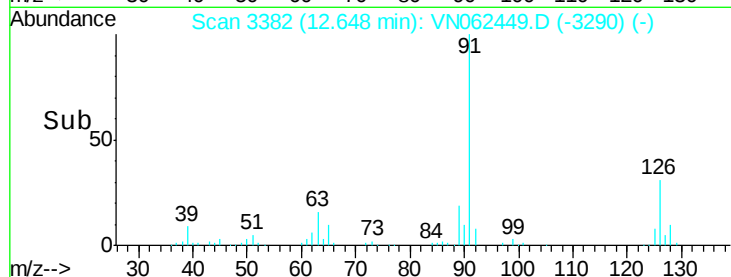
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.132 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062449.D

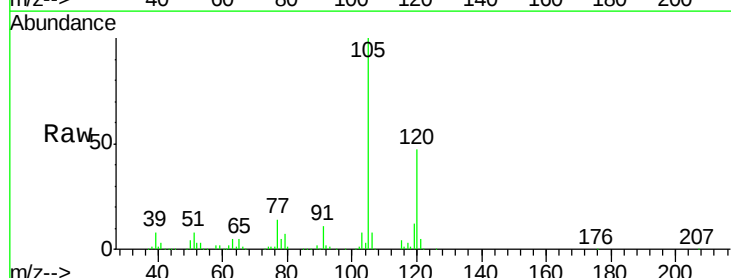
Acq: 9 Jul 2020 11:51

Tgt Ion:105 Resp: 217580

Ion Ratio Lower Upper

105 100

120 46.5 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062401.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3385) (-)

150000

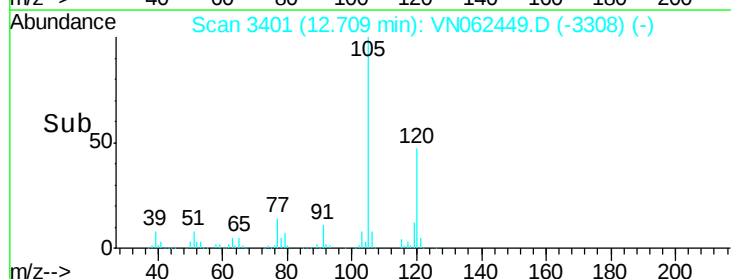
100000

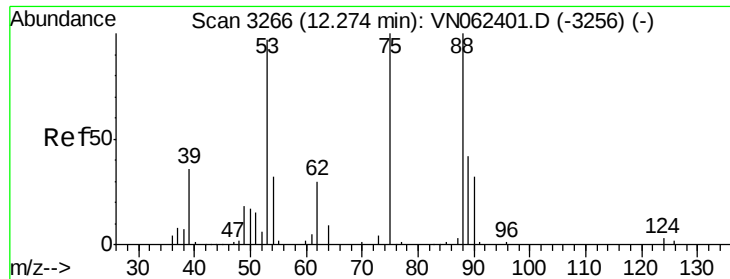
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.224 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 75 Resp: 27116

Ion Ratio Lower Upper

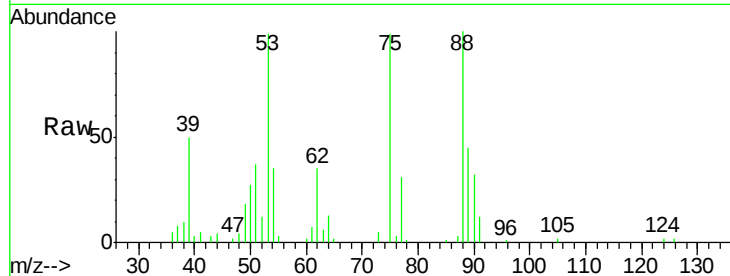
75 100

53 104.0 79.2 118.8

89 45.4 34.6 52.0

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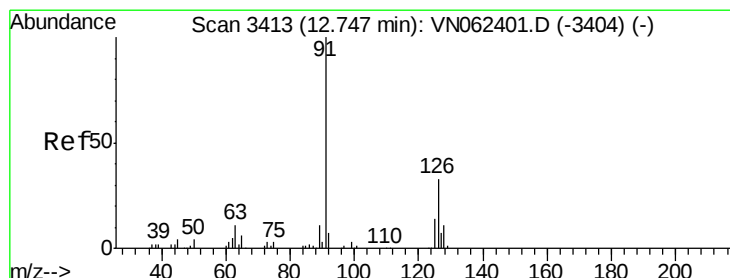
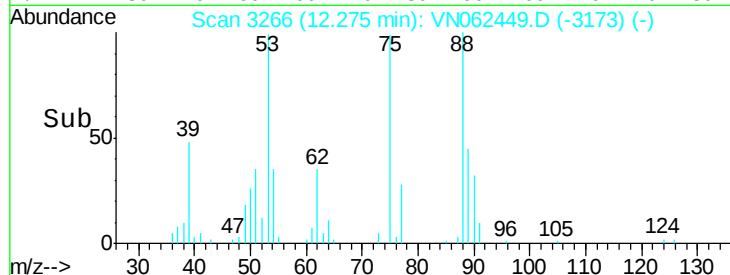
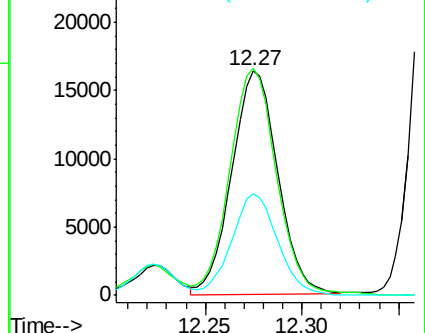
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Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062401.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062401.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 20.476 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062449.D

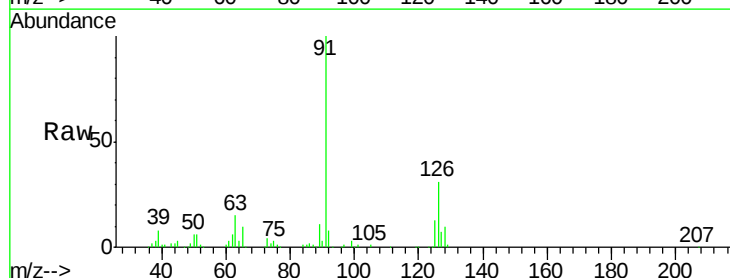
Acq: 9 Jul 2020 11:51

Tgt Ion: 91 Resp: 185100

Ion Ratio Lower Upper

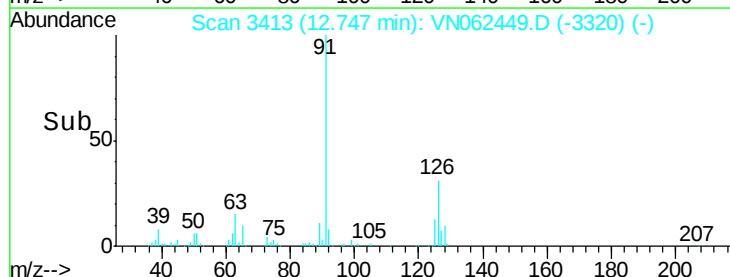
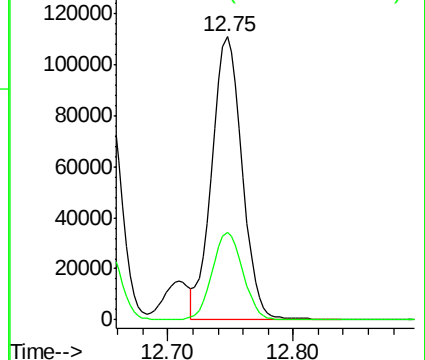
91 100

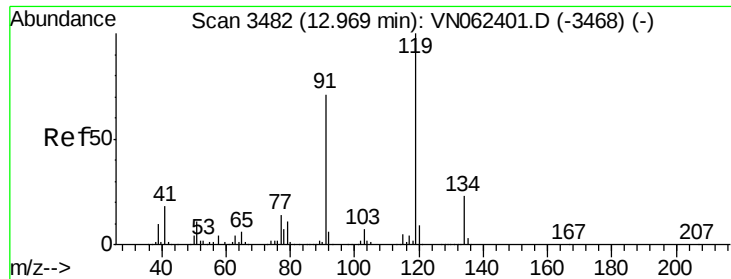
126 31.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3404) (-)





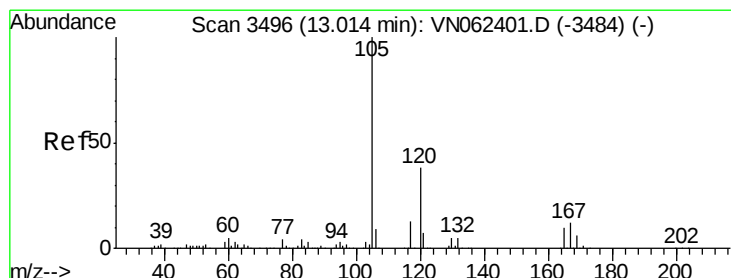
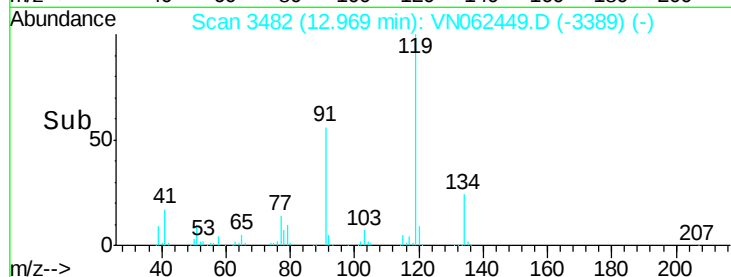
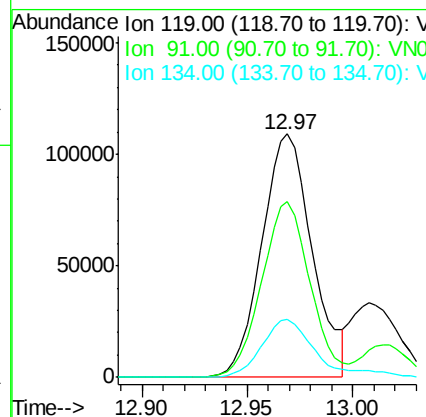
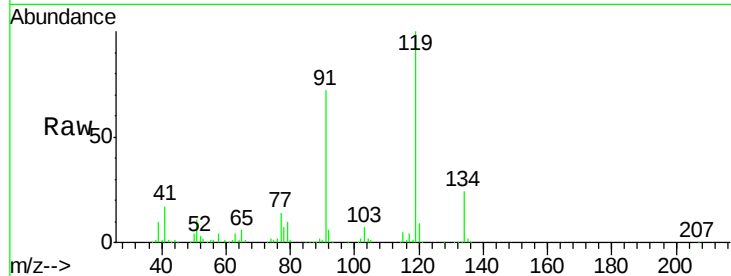
#83
tert-Butylbenzene
Concen: 20.810 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	181831		
91	69.4	34.8	104.3	
134	25.6	11.7	35.0	

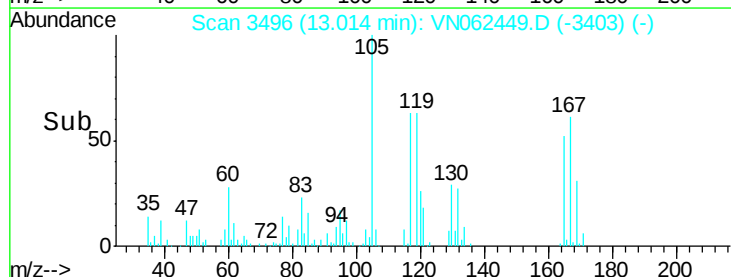
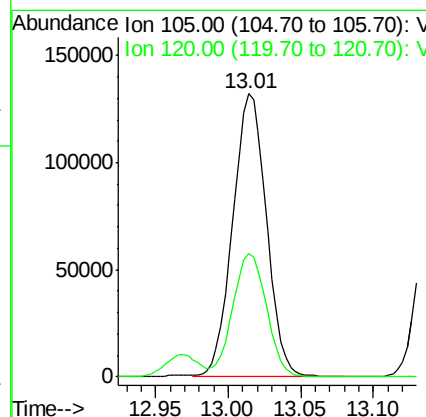
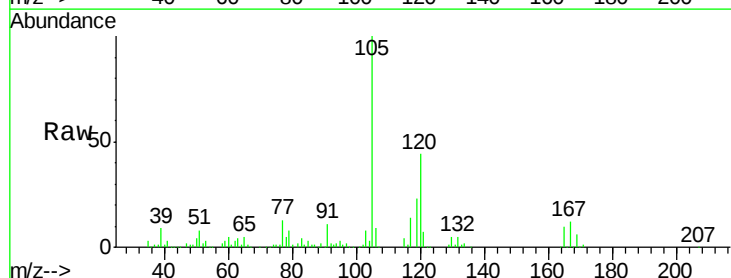
Manual Integrations
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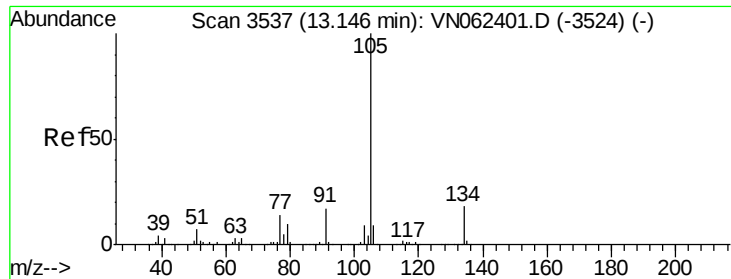
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#84
1,2,4-Trimethylbenzene
Concen: 20.649 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	211333		
120	44.3	21.6	64.8	





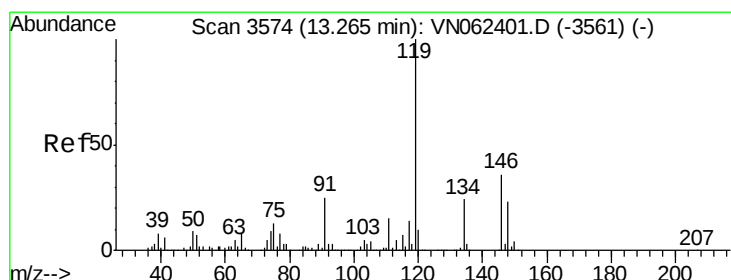
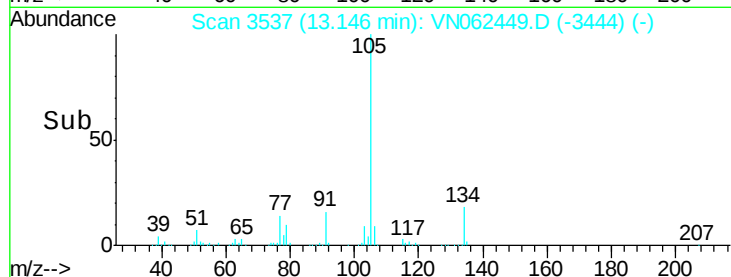
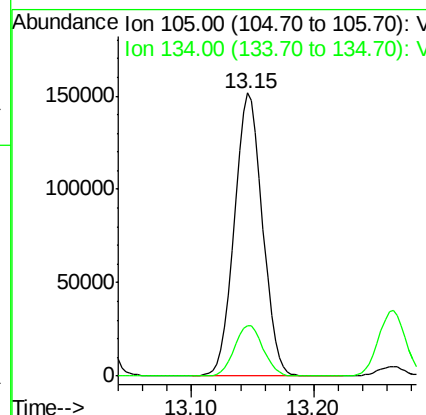
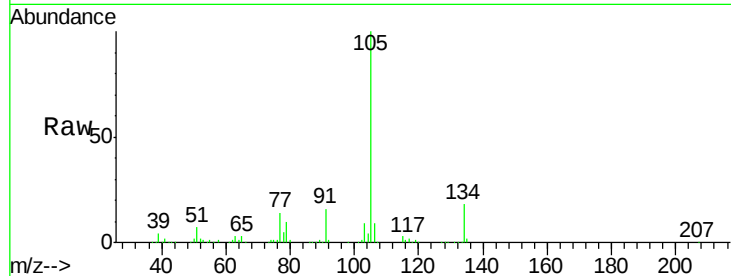
#85
 sec-Butylbenzene
 Concen: 20.998 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	243130		
134	18.3	9.3	28.0	

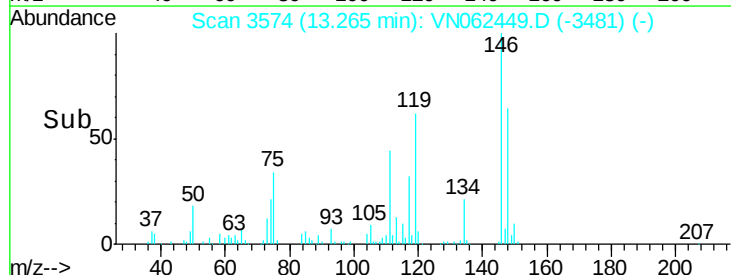
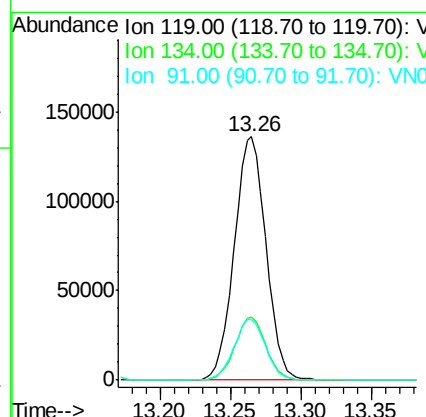
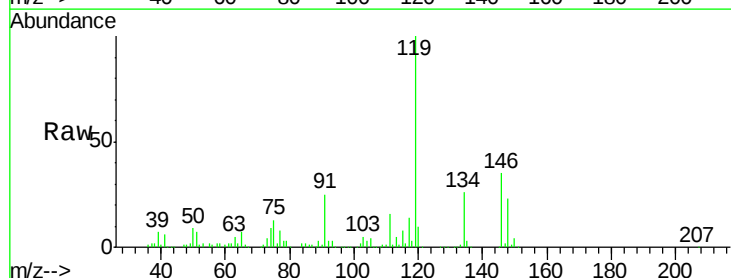
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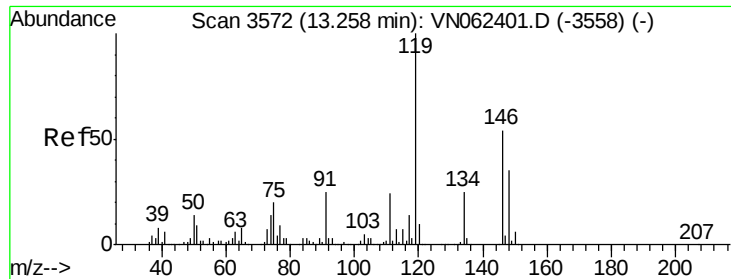
MMDadoda
 7/10/2020 9:23:41 AM



#86
 p-Isopropyltoluene
 Concen: 21.444 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	214293		
134	25.3	12.4	37.0	
91	24.9	12.4	37.4	





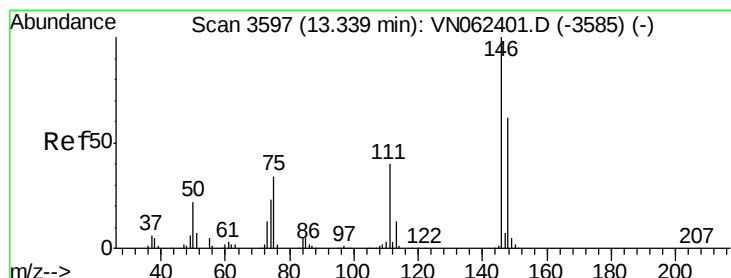
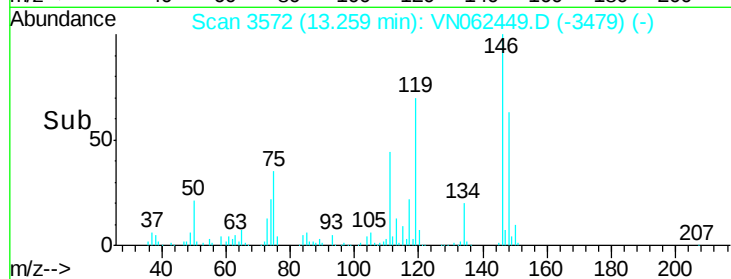
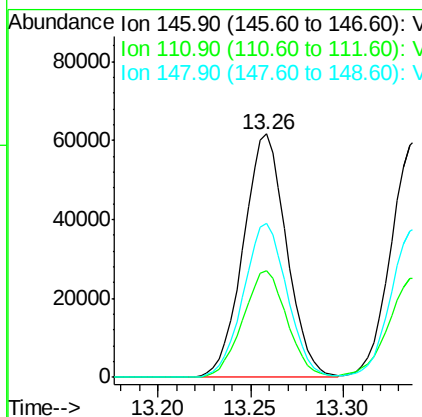
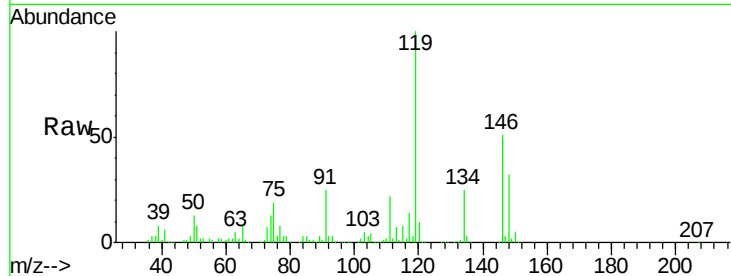
#87
 1,3-Dichlorobenzene
 Concen: 20.413 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.5	21.6	64.6	
148	63.9	32.2	96.6	

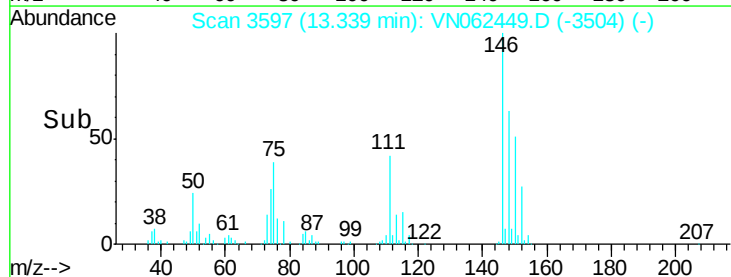
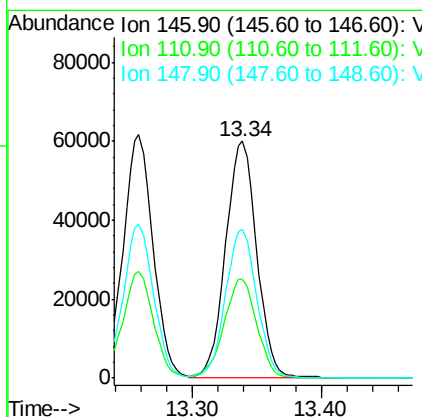
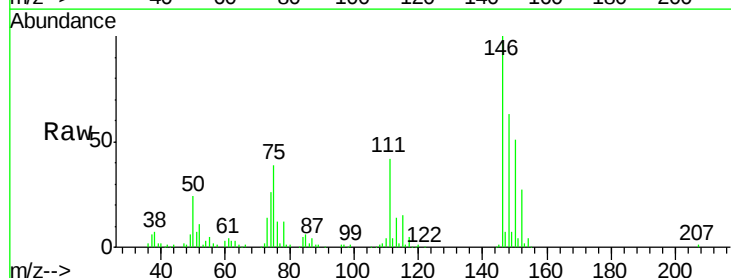
Manual Integrations
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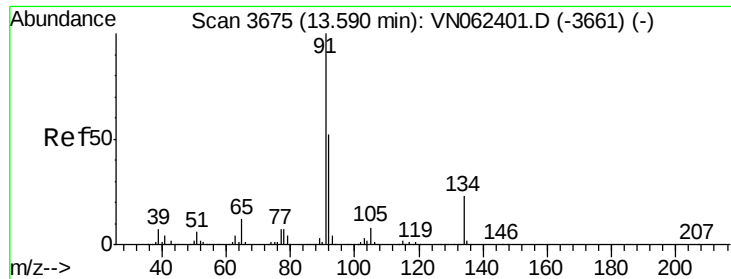
MMDadoda
 7/10/2020 9:23:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.866 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.2	21.1	63.1	
148	63.3	31.4	94.2	





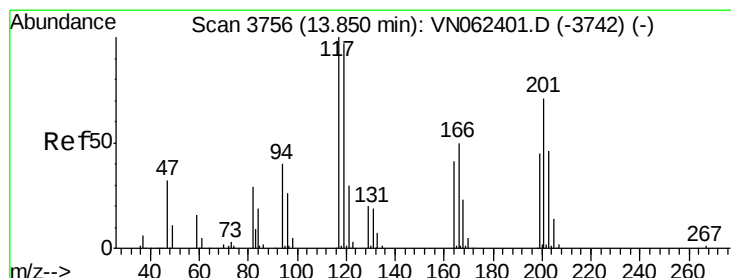
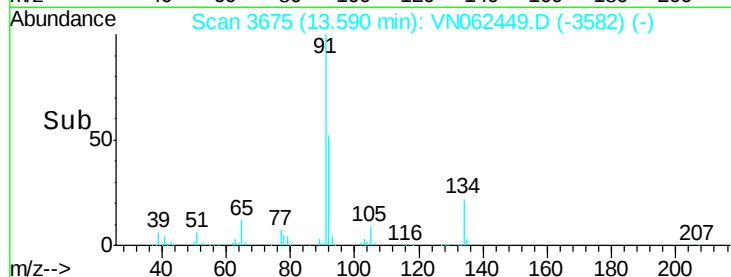
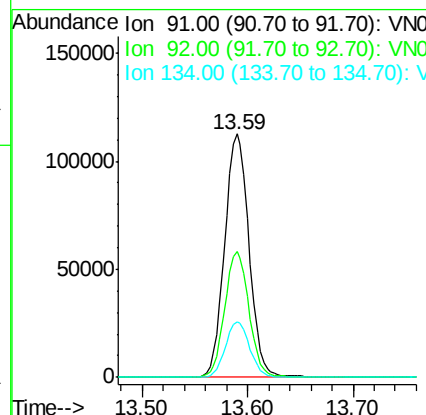
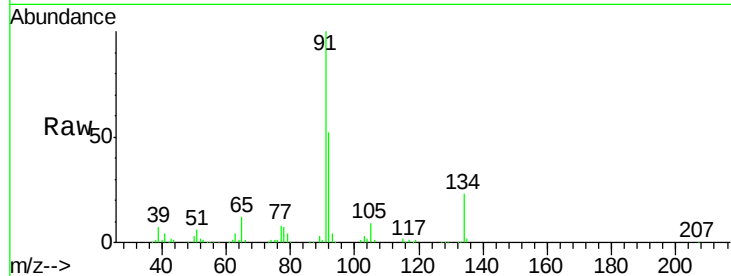
#89
n-Butylbenzene
Concen: 20.469 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.7
134	22.7	11.6	34.8

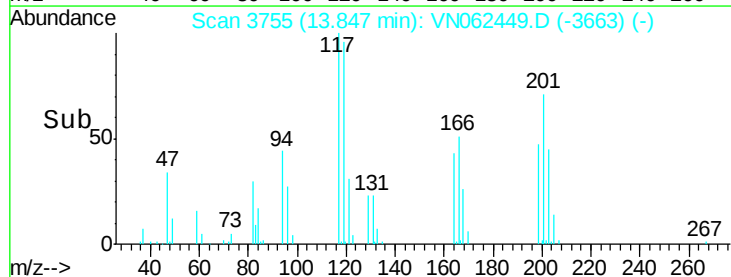
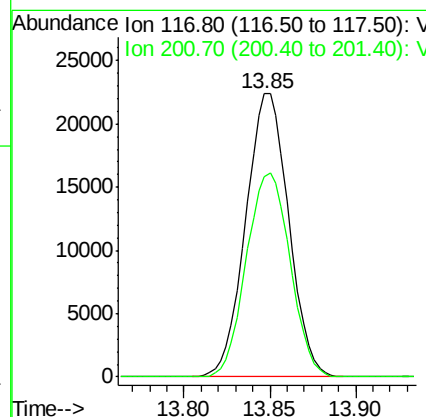
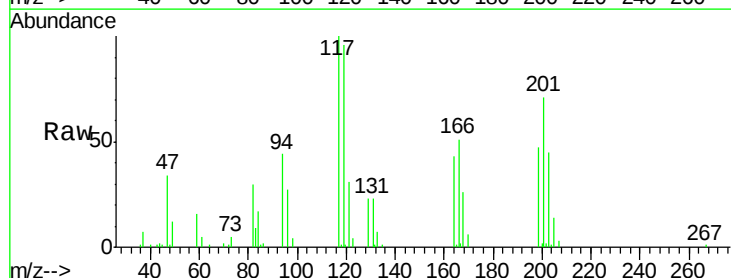
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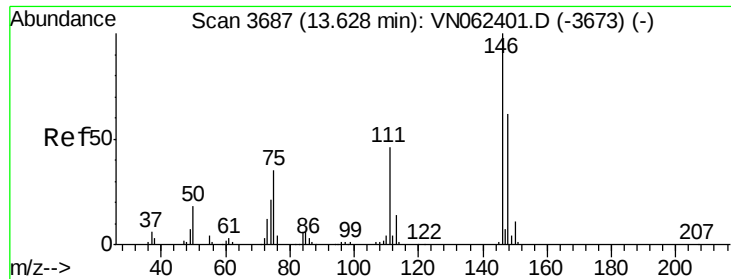
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#90
Hexachloroethane
Concen: 19.711 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.3	35.4	106.2





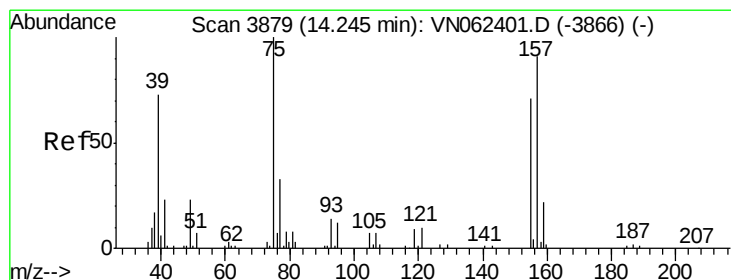
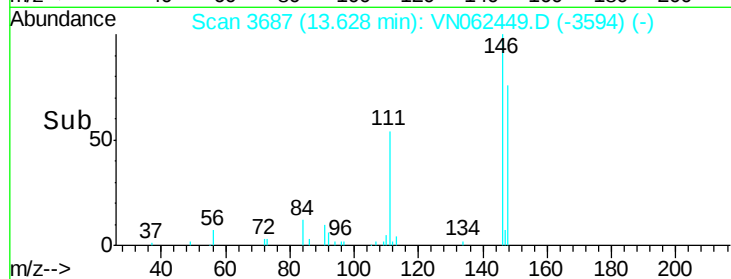
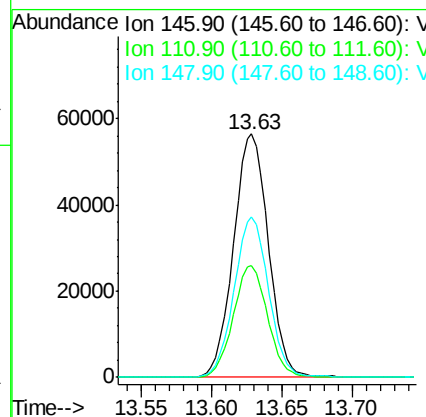
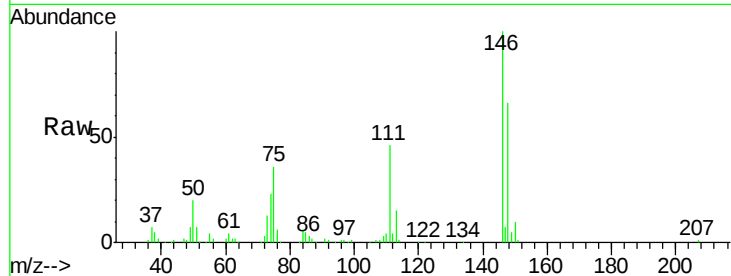
#91
 1,2-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.5	67.5
148	65.2	31.4	94.2

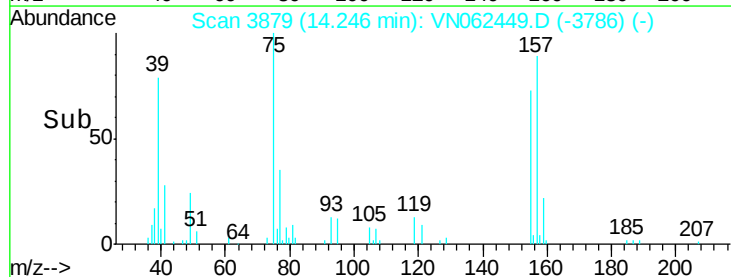
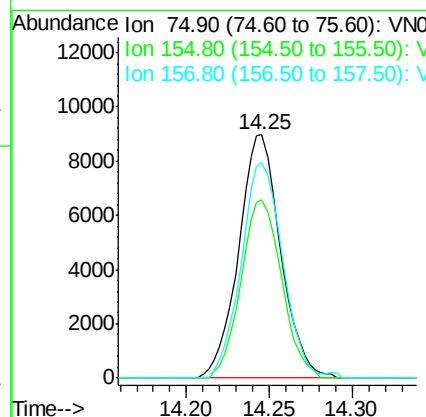
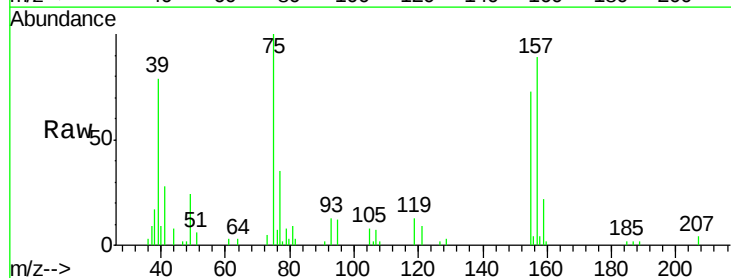
Manual Integrations
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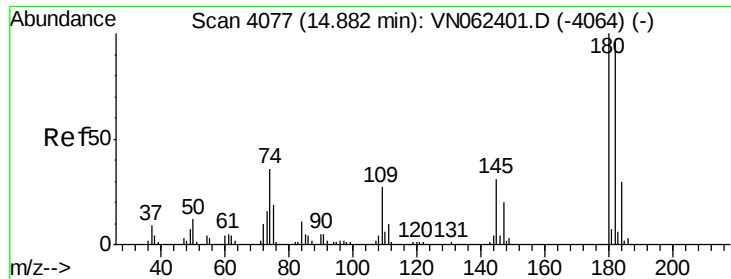
MMDadoda
 7/10/2020 9:23:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.473 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.9	35.2	105.6
157	87.8	45.8	137.3





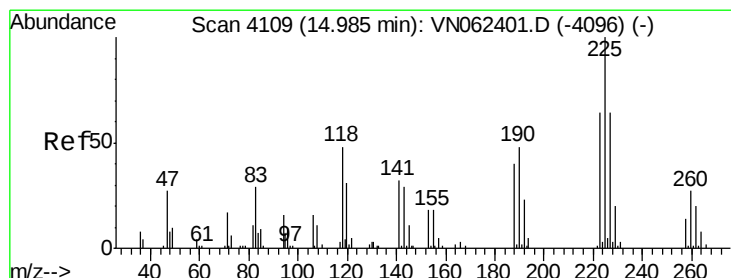
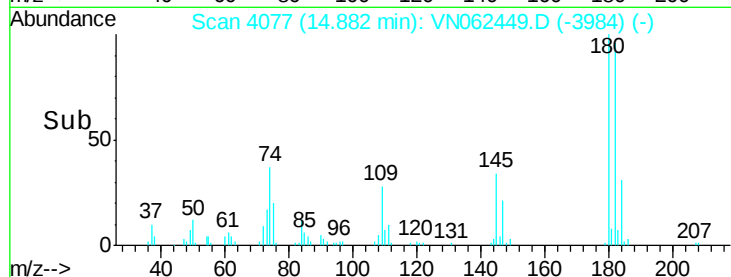
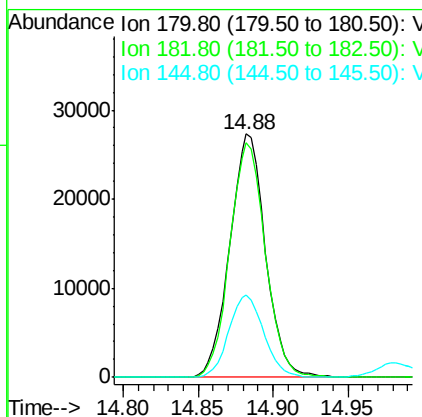
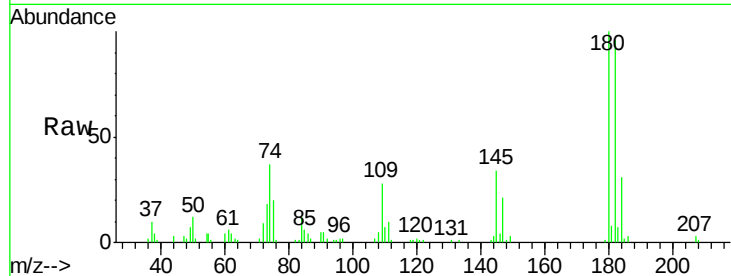
#93
 1,2,4-Trichlorobenzene
 Concen: 21.250 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.2
145	33.1	15.5	46.5

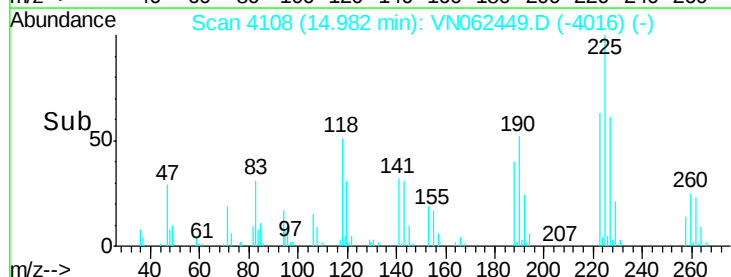
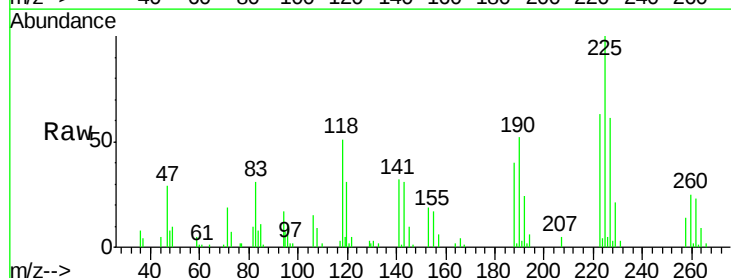
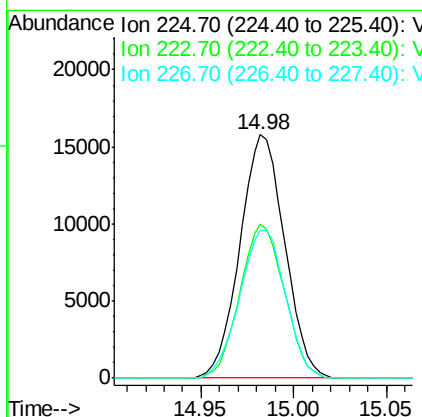
Manual Integrations
 APPROVED

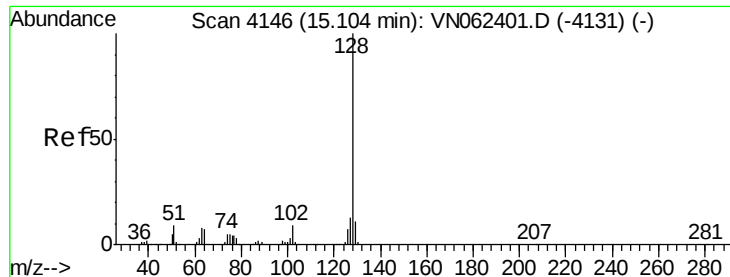
MMDadoda
 7/10/2020 9:23:41 AM



#94
 Hexachlorobutadiene
 Concen: 20.859 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.3	96.8
227	62.2	31.9	95.7





#95

Naphthalene

Concen: 23.481 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

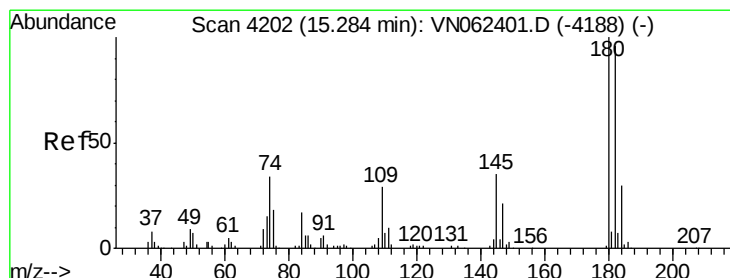
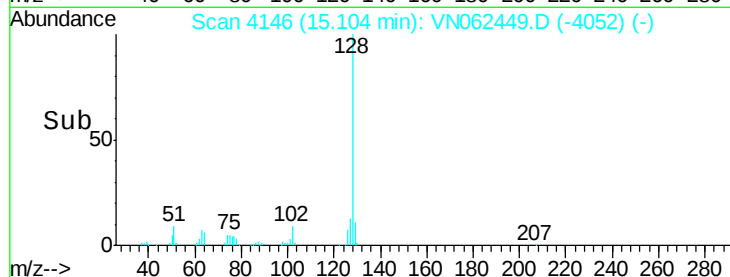
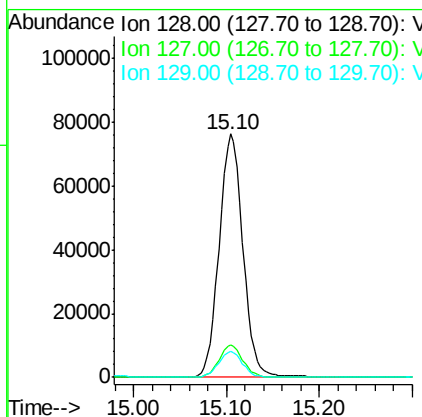
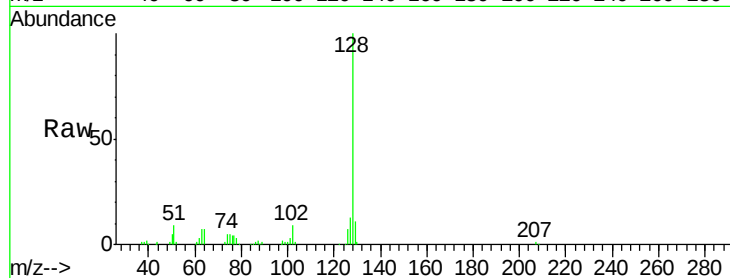
ClientSampleId :

VN0709WBS01

Tot Ion:	128	Resp:	136028
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.024 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion:	180	Resp:	48801
Ion Ratio	Lower	Upper	
180	100		
182	92.1	47.8	143.4
145	32.4	17.0	50.9

