

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061481.D
 Acq On : 19 May 2020 14:23
 Operator : JC/MD
 Sample : VN0519MBSD01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:11:07 PM

Quant Time: May 20 04:26:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	250369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	451374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	424615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	184384	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.54	113	127388	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.06	98	543183	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.37	95	202311	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39661	19.051	ug/l	96
3) Chloromethane	2.03	50	60027	17.678	ug/l	99
4) Vinyl Chloride	2.16	62	84231	17.333	ug/l	96
5) Bromomethane	2.54	94	49500	17.554	ug/l	98
6) Chloroethane	2.67	64	57853	17.688	ug/l	99
7) Trichlorofluoromethane	2.98	101	108617	18.410	ug/l	99
8) Diethyl Ether	3.37	74	33061	19.239	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47811	19.488	ug/l	100
10) Methyl Iodide	3.91	142	58159	19.517	ug/l	99
11) Tert butyl alcohol	4.72	59	46039	106.932	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	47207	18.395	ug/l	97
13) Acrolein	3.56	56	22906	59.914	ug/l	93
14) Allyl chloride	4.27	41	74295	17.789	ug/l	94
15) Acrylonitrile	4.92	53	117014	91.735	ug/l	99
16) Acetone	3.77	43	93924	90.975	ug/l	99
17) Carbon Disulfide	4.00	76	126857	21.194	ug/l	99
18) Methyl Acetate	4.27	43	49999	18.844	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	184390	18.933	ug/l	97
20) Methylene Chloride	4.50	84	55237	17.987	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	55445	18.736	ug/l	94
22) Diisopropyl ether	5.90	45	170714	18.190	ug/l	95
23) Vinyl Acetate	5.84	43	688835	92.297	ug/l	97
24) 1,1-Dichloroethane	5.79	63	100495	18.358	ug/l	99
25) 2-Butanone	6.78	43	152452	89.608	ug/l	96
26) 2,2-Dichloropropane	6.77	77	94580	18.124	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	67342	19.265	ug/l	96
28) Bromochloromethane	7.15	49	50427	21.702	ug/l	98
29) Tetrahydrofuran	7.16	42	102274	90.770	ug/l	98
30) Chloroform	7.32	83	110422	19.313	ug/l	100
31) Cyclohexane	7.61	56	92126	17.165	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	96418	18.454	ug/l	99
36) 1,1-Dichloropropene	7.75	75	80724	19.126	ug/l	100
37) Ethyl Acetate	6.88	43	65095	17.007	ug/l	98
38) Carbon Tetrachloride	7.73	117	72311	18.607	ug/l	99

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 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	95907	18.605	ug/l	96
40) Benzene	8.00	78	239039	18.794	ug/l	99
41) Methacrylonitrile	7.12	41	28561	17.667	ug/l #	86
42) 1,2-Dichloroethane	8.08	62	90152	19.673	ug/l	100
43) Isopropyl Acetate	8.12	43	118420	17.739	ug/l #	91
44) Trichloroethene	8.80	130	66296	19.893	ug/l	93
45) 1,2-Dichloropropane	9.08	63	61449	19.302	ug/l	99
46) Dibromomethane	9.17	93	44164	19.789	ug/l	99
47) Bromodichloromethane	9.37	83	90710	19.291	ug/l	99
48) Methyl methacrylate	9.16	41	53215	17.256	ug/l	97
49) 1,4-Dioxane	9.16	88	17168	510.833	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	333512	91.709	ug/l	99
52) Toluene	10.12	92	160204	19.619	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	98013	19.017	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	104553	19.083	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	62178	20.141	ug/l	99
56) Ethyl methacrylate	10.40	69	90567	18.765	ug/l	98
57) 1,3-Dichloropropane	10.68	76	104522	19.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	193855	91.504	ug/l	97
59) 2-Hexanone	10.72	43	237998	90.457	ug/l	99
60) Dibromochloromethane	10.87	129	65828	19.276	ug/l	100
61) 1,2-Dibromoethane	10.98	107	62517	19.260	ug/l	98
64) Tetrachloroethene	10.60	164	61954	18.860	ug/l	95
65) Chlorobenzene	11.40	112	168309	19.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	60704	19.555	ug/l	97
67) Ethyl Benzene	11.48	91	305268	19.314	ug/l	100
68) m/p-Xylenes	11.59	106	235527	39.258	ug/l	98
69) o-Xylene	11.92	106	110492	19.031	ug/l	99
70) Styrene	11.94	104	186139	19.361	ug/l	99
71) Bromoform	12.10	173	41317	18.445	ug/l #	100
73) Isopropylbenzene	12.22	105	296429	18.817	ug/l	100
74) N-amyl acetate	12.04	43	97882	16.975	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	82926	19.133	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	80677m	19.161	ug/l	
77) Bromobenzene	12.50	156	66748	19.524	ug/l	96
78) n-propylbenzene	12.56	91	338575	18.863	ug/l	99
79) 2-Chlorotoluene	12.65	91	200340	18.883	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	243349	18.866	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	26382	16.621	ug/l	96
82) 4-Chlorotoluene	12.75	91	208220	18.954	ug/l	100
83) tert-Butylbenzene	12.97	119	206091	18.653	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	249920	19.361	ug/l	99
85) sec-Butylbenzene	13.15	105	280904	18.802	ug/l	100
86) p-Isopropyltoluene	13.26	119	251342	18.946	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	121318	19.390	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	121643	19.413	ug/l	98
89) n-Butylbenzene	13.59	91	224096	18.593	ug/l	100
90) Hexachloroethane	13.85	117	33816	18.808	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	118270	19.706	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16052	18.335	ug/l	99

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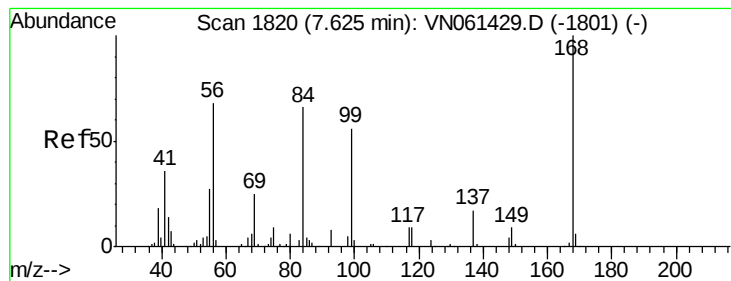
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	65288	20.062	ug/l	99
94) Hexachlorobutadiene	14.98	225	25548	17.669	ug/l	99
95) Naphthalene	15.10	128	208160	20.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	64816	20.007	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion:168 Resp: 250369

Ion Ratio Lower Upper

168 100

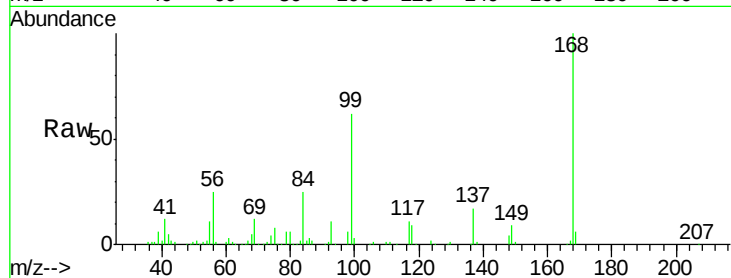
99 62.2 51.1 76.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

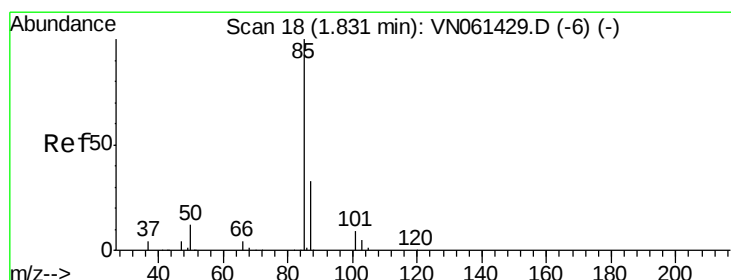
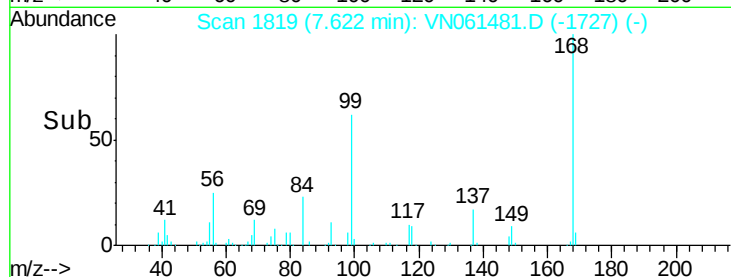
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.051 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061481.D

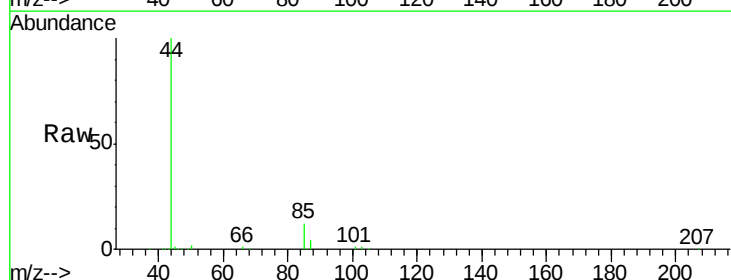
Acq: 19 May 2020 14:23

Tgt Ion: 85 Resp: 39661

Ion Ratio Lower Upper

85 100

87 35.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

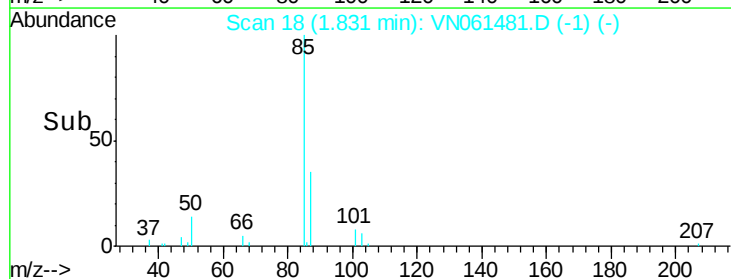
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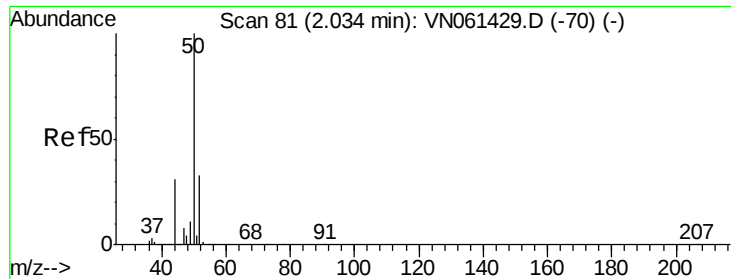
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.678 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion: 50 Resp: 60027

Ion Ratio Lower Upper

50 100

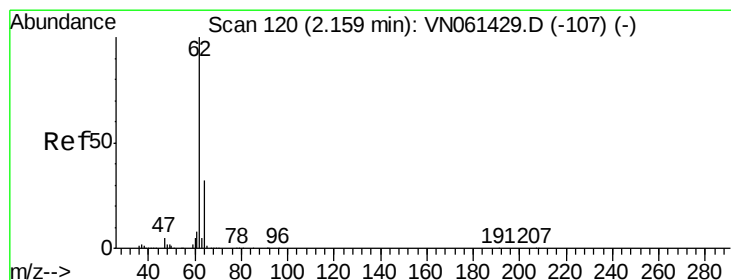
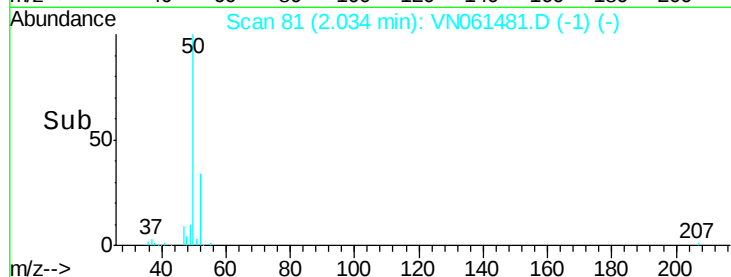
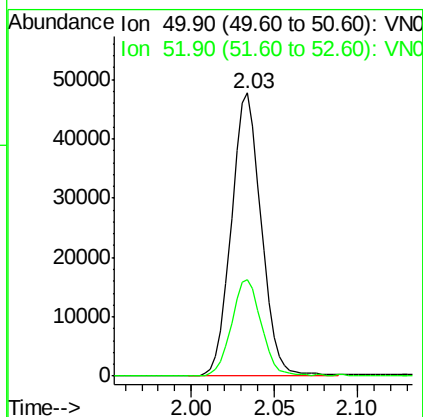
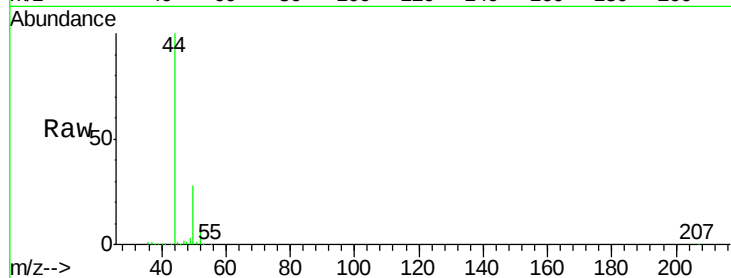
52 34.3 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.333 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061481.D

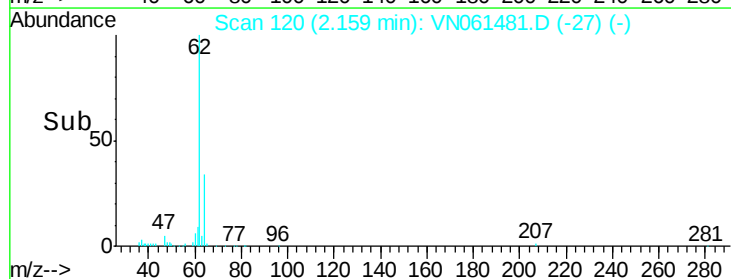
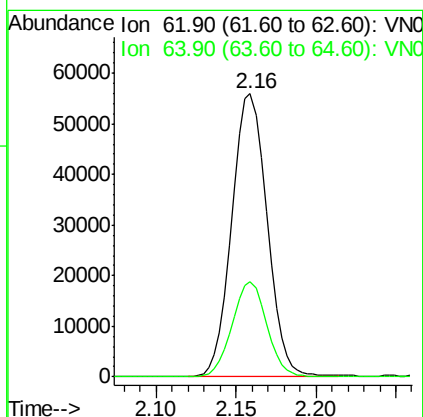
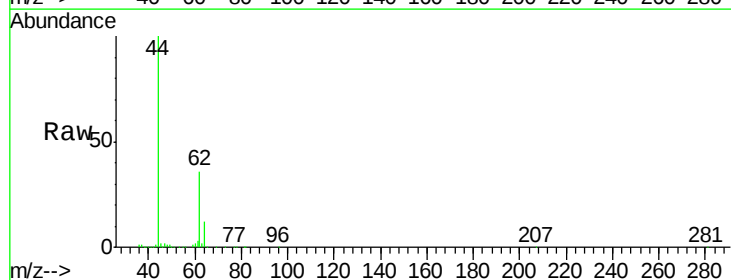
Acq: 19 May 2020 14:23

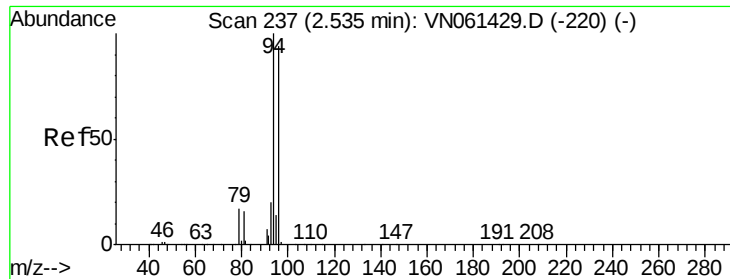
Tgt Ion: 62 Resp: 84231

Ion Ratio Lower Upper

62 100

64 33.7 25.3 37.9





#5

Bromomethane

Concen: 17.554 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

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ClientSampleId :

VN0519MBSD01

Tot Ion: 94 Resp: 49500

Ion Ratio Lower Upper

94 100

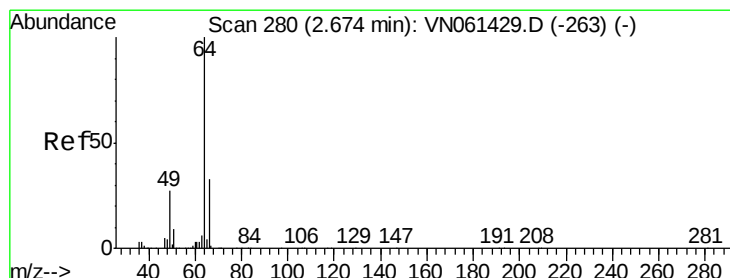
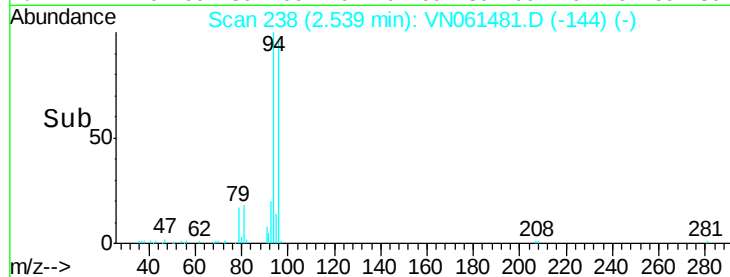
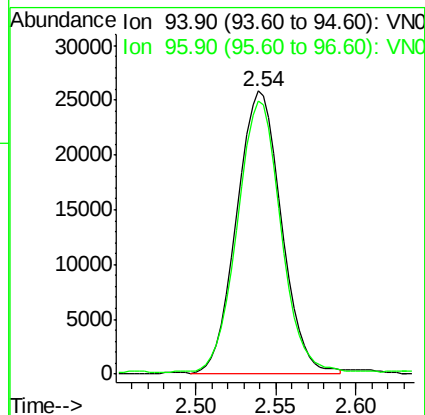
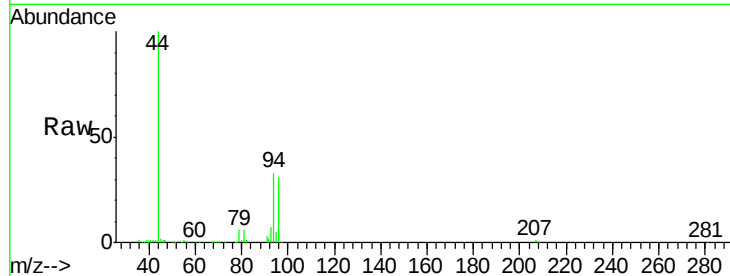
96 95.7 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 17.688 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061481.D

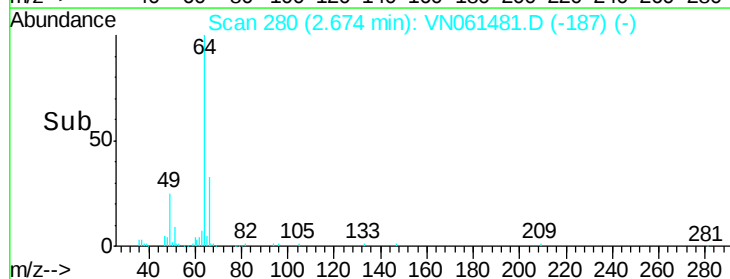
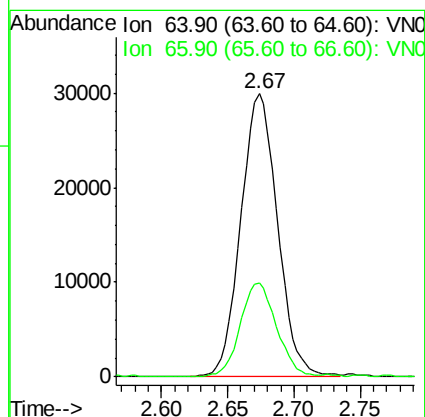
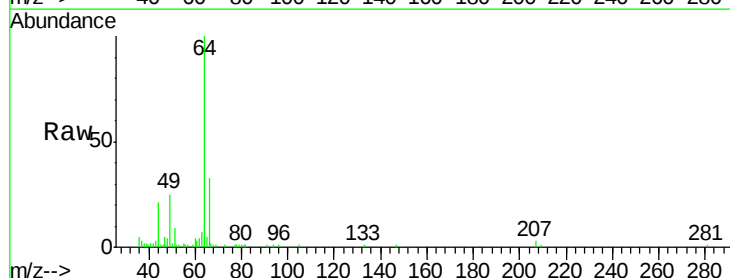
Acq: 19 May 2020 14:23

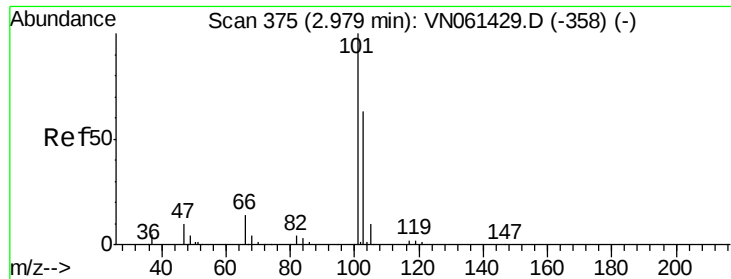
Tgt Ion: 64 Resp: 57853

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5





#7

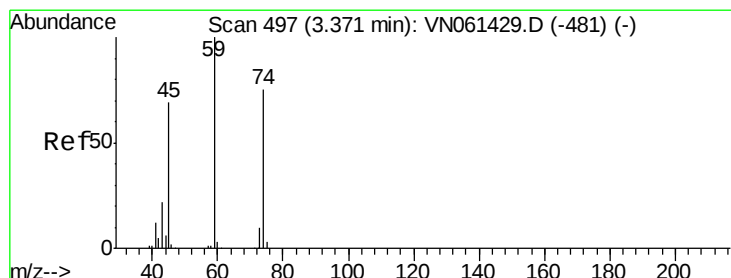
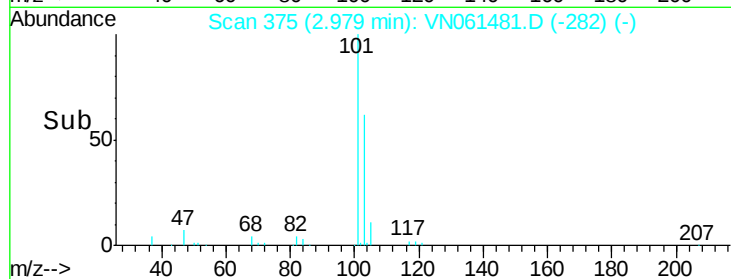
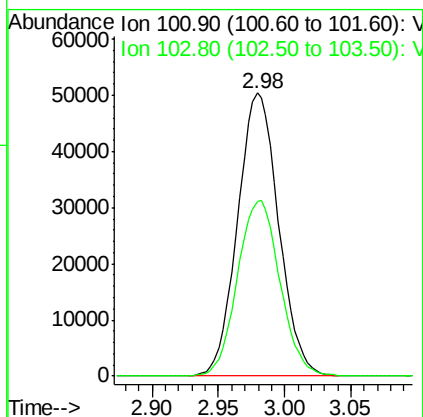
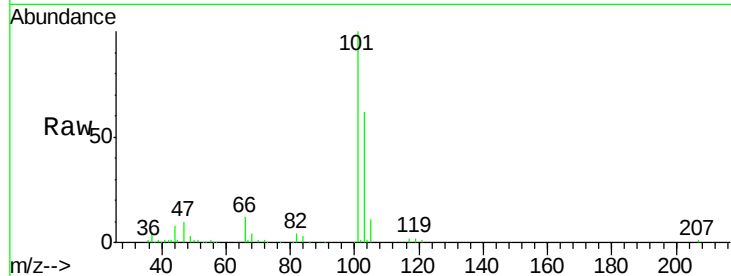
Trichlorofluoromethane
 Concen: 18.410 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100				
103	61.7	50.2	75.4		

Manual Integrations
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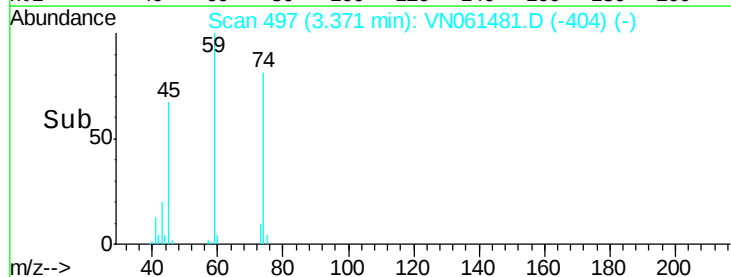
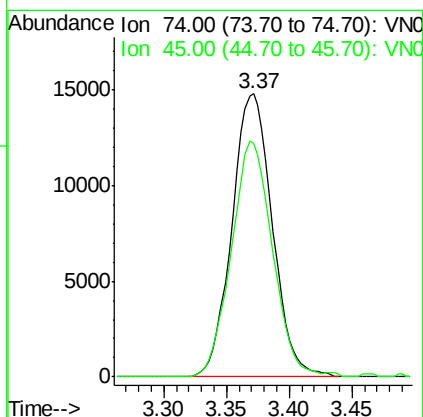
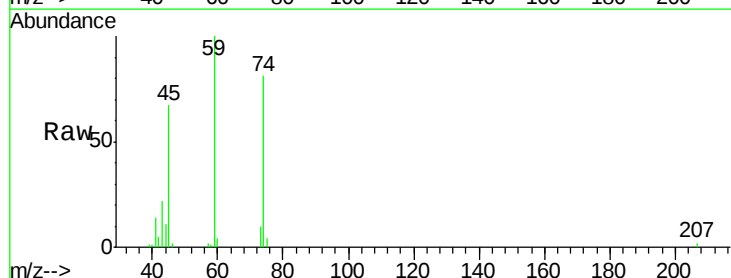
MMDadoda
 5/21/2020 1:11:07 PM

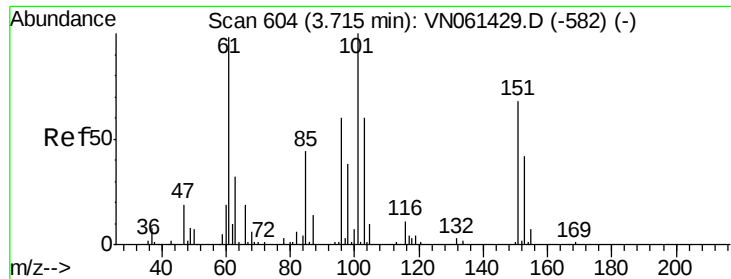


#8

Diethyl Ether
 Concen: 19.239 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100				
45	84.7	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.488 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

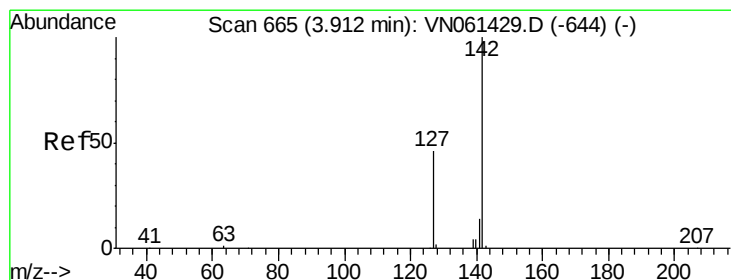
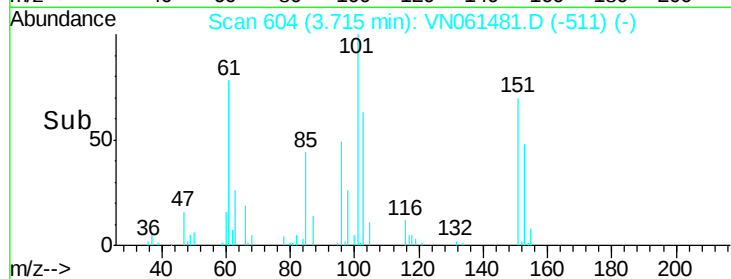
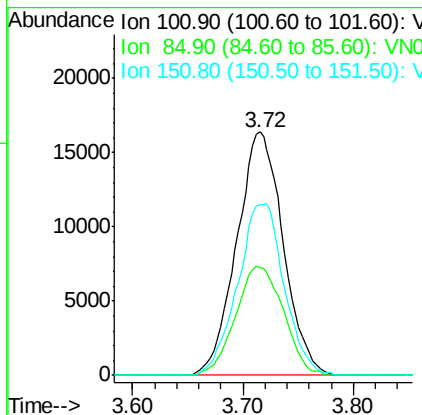
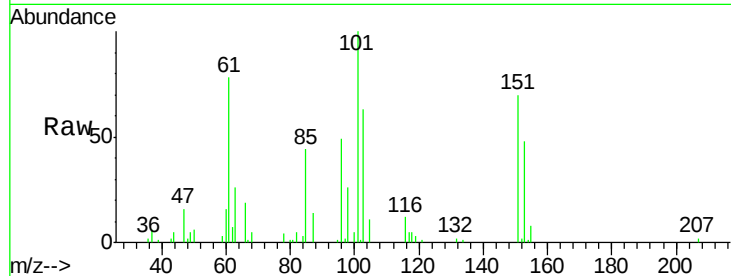
ClientSampleId :

VN0519MBSD01

Tot Ion:	101	Resp:	47811
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.6	55.0
151	70.6	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.517 ug/l

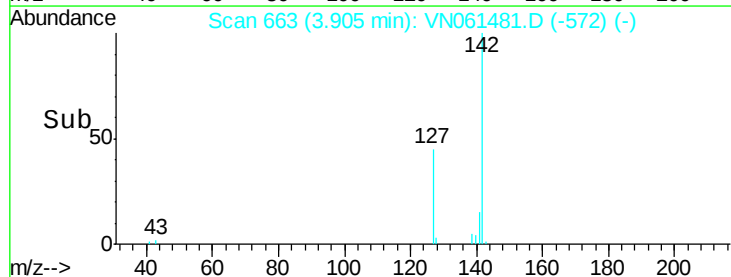
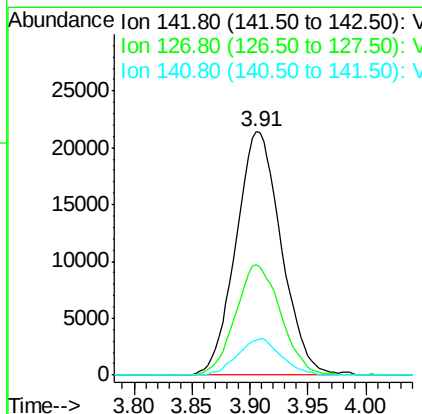
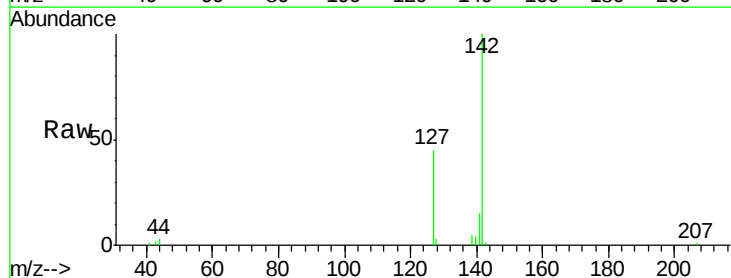
RT: 3.91 min Scan# 663

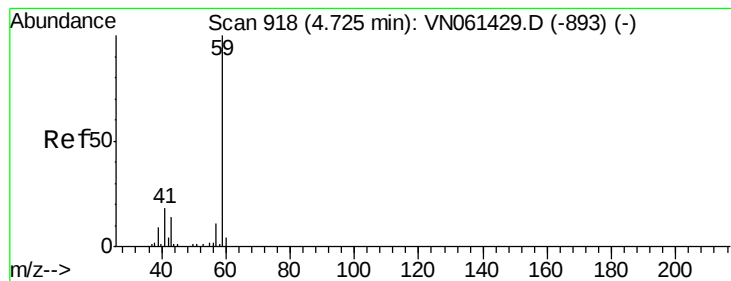
Delta R.T. -0.01 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Tgt Ion:	142	Resp:	58159
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.7	55.1
141	14.4	11.5	17.3





#11

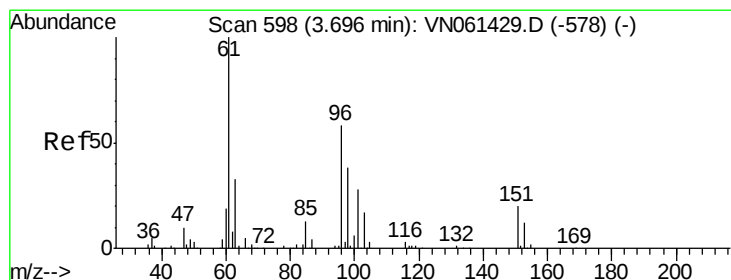
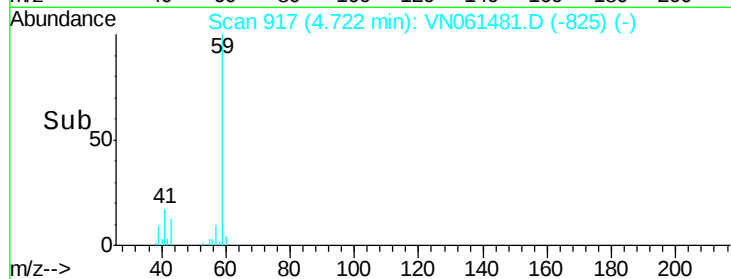
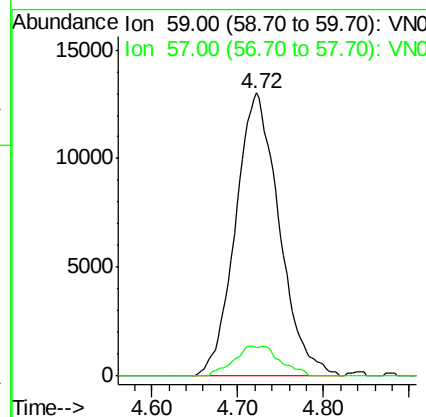
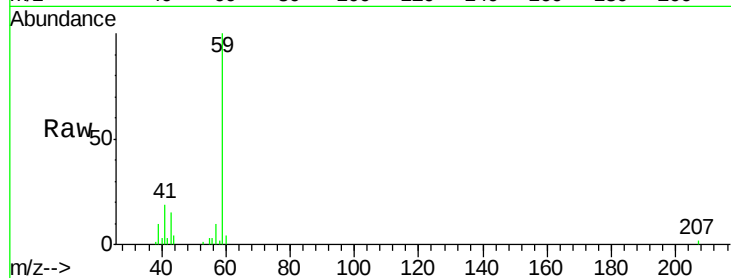
Tert butyl alcohol
 Concen: 106.932 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.2	12.2#

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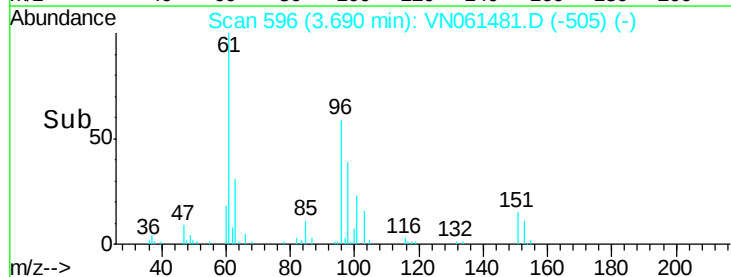
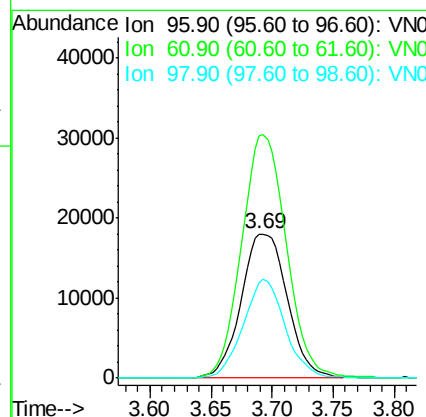
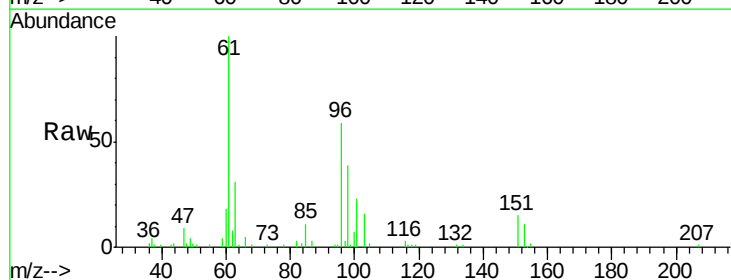
MMDadoda
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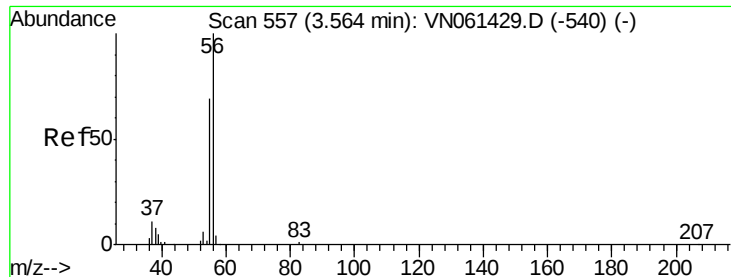


#12

1,1-Dichloroethene
 Concen: 18.395 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.1	138.7	208.1
98	65.7	53.0	79.6





#13

Acrolein

Concen: 59.914 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion: 56 Resp: 22906

Ion Ratio Lower Upper

56 100

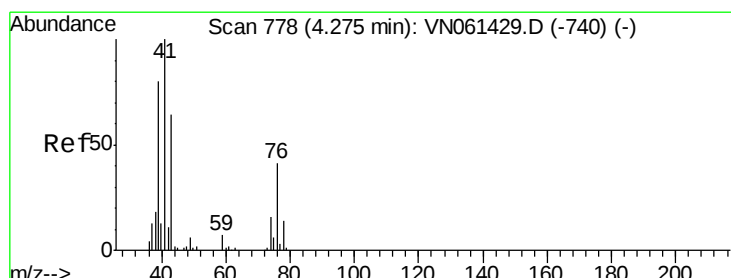
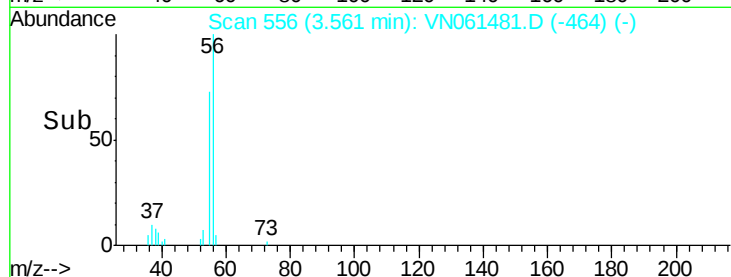
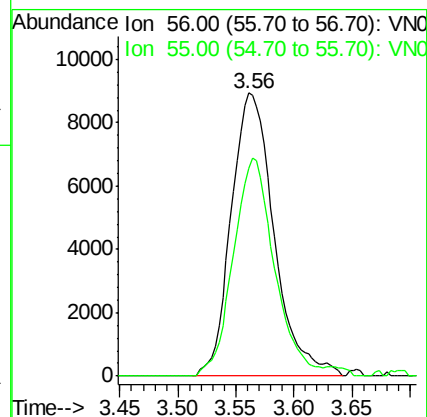
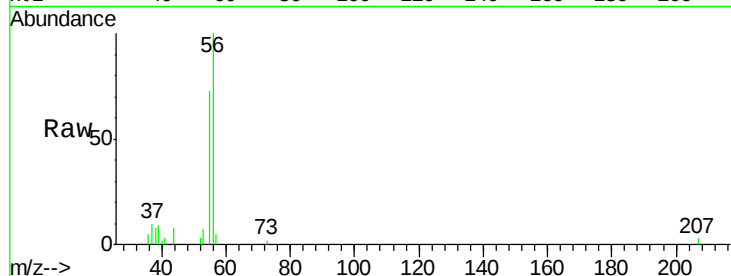
55 74.0 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 17.789 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

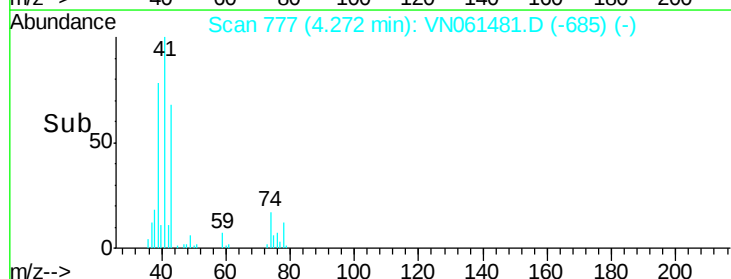
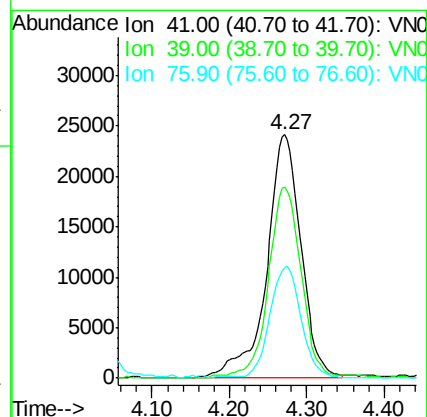
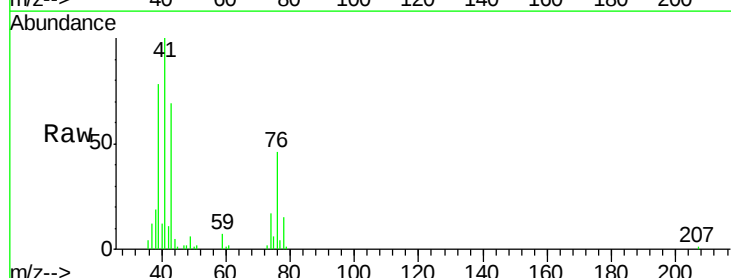
Tgt Ion: 41 Resp: 74295

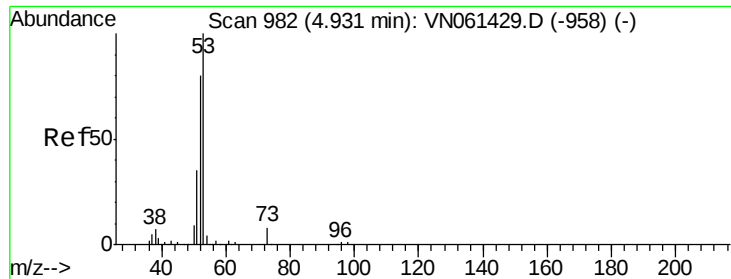
Ion Ratio Lower Upper

41 100

39 71.3 61.2 91.8

76 41.5 29.9 44.9





#15

Acrylonitrile

Concen: 91.735 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

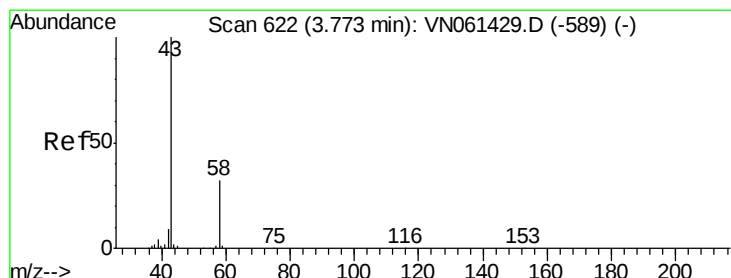
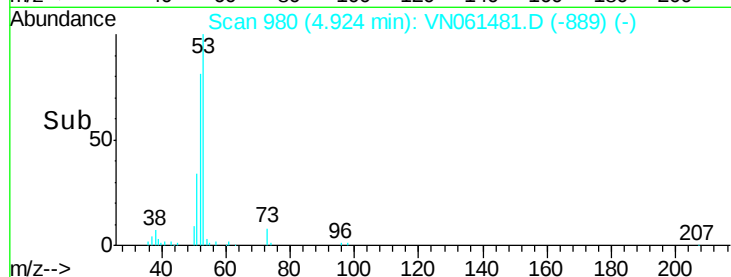
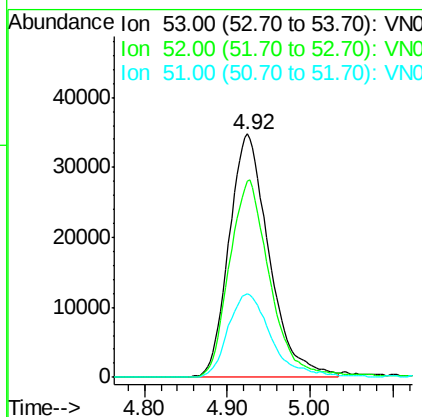
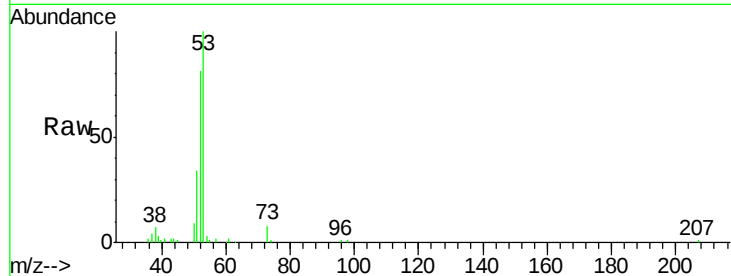
ClientSampleId :

VN0519MBSD01

Tot Ion:	53	Resp:	117014
Ion	Ratio	Lower	Upper
53	100		
52	81.5	64.7	97.1
51	36.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 90.975 ug/l

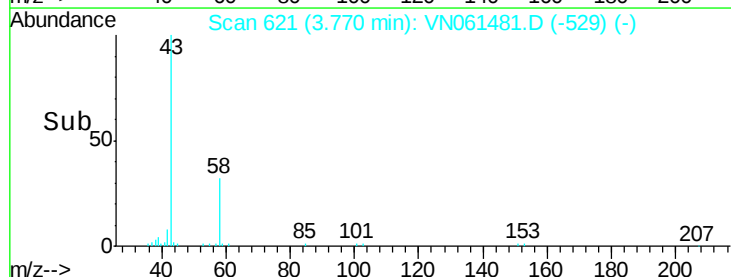
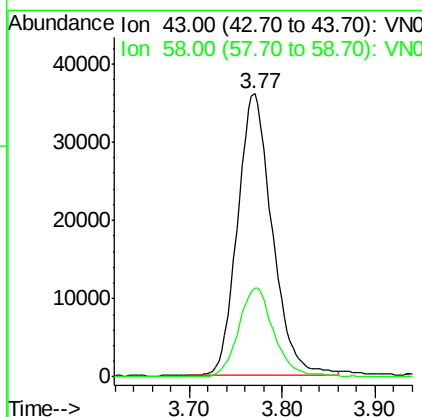
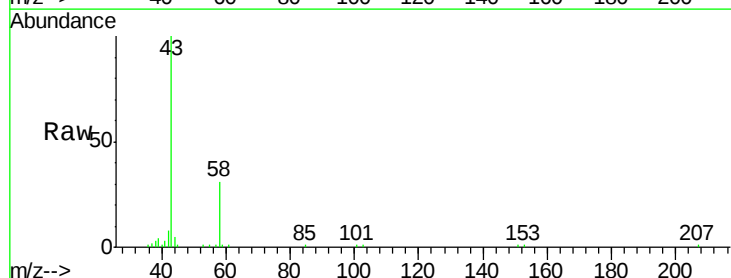
RT: 3.77 min Scan# 621

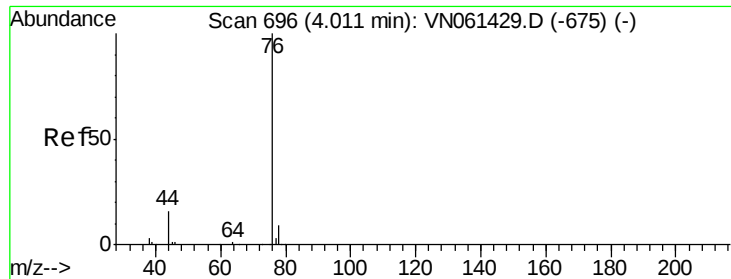
Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Tgt Ion:	43	Resp:	93924
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.6	38.4





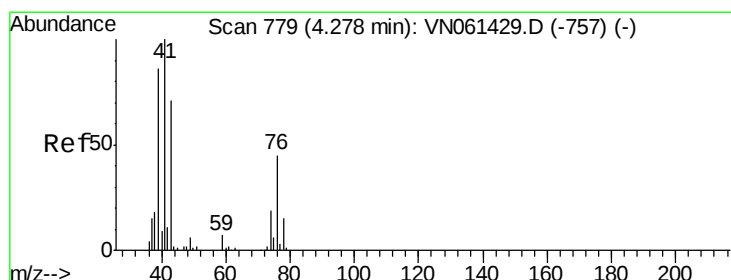
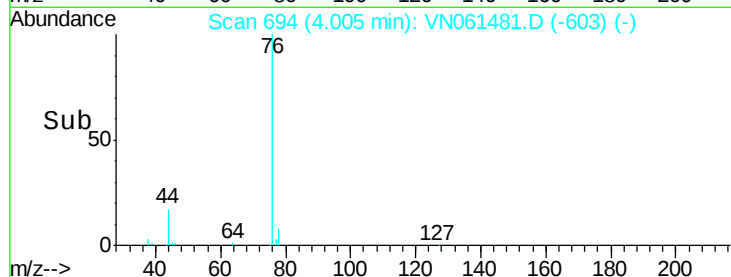
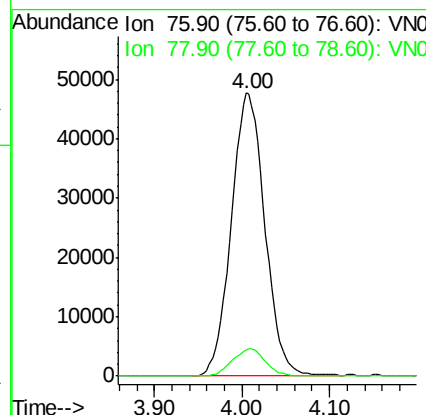
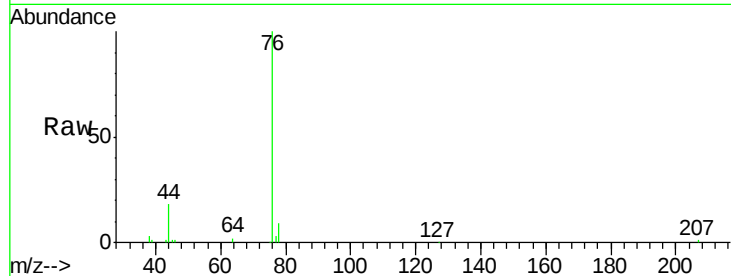
#17
Carbon Disulfide
Concen: 21.194 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion: 76 Resp: 126857
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

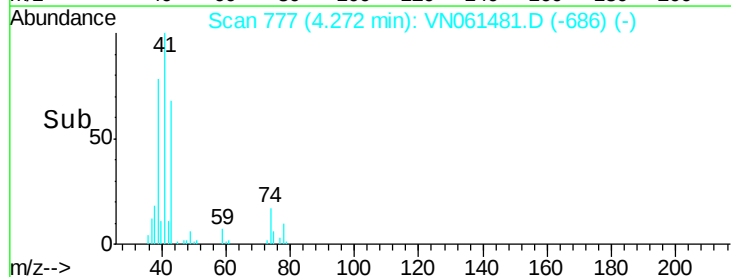
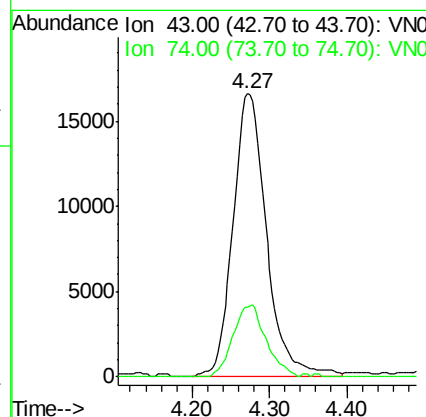
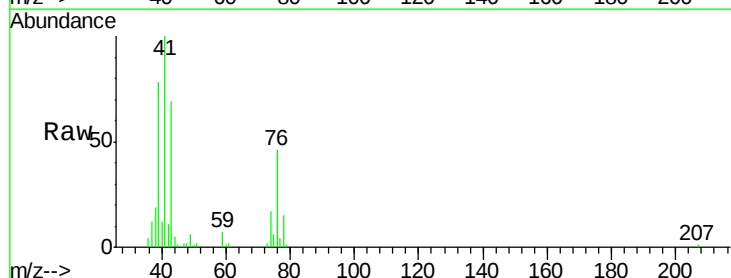
Manual Integrations
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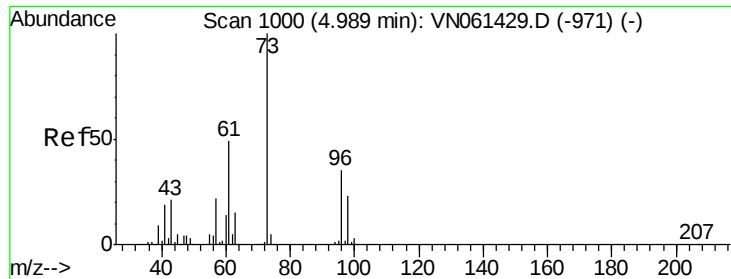
MMDadoda
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#18
Methyl Acetate
Concen: 18.844 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 43 Resp: 49999
Ion Ratio Lower Upper
43 100
74 24.8 20.8 31.2





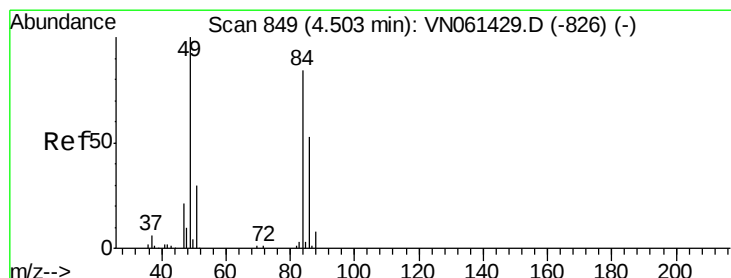
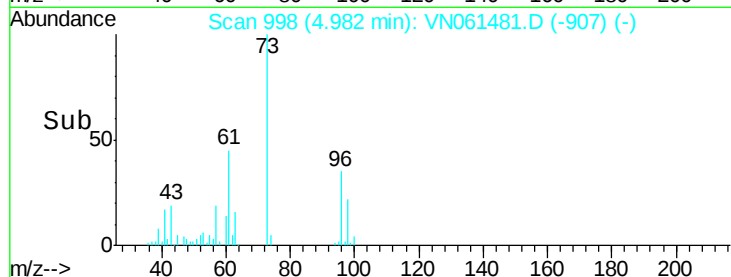
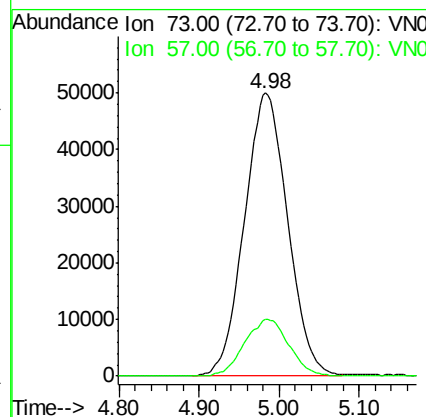
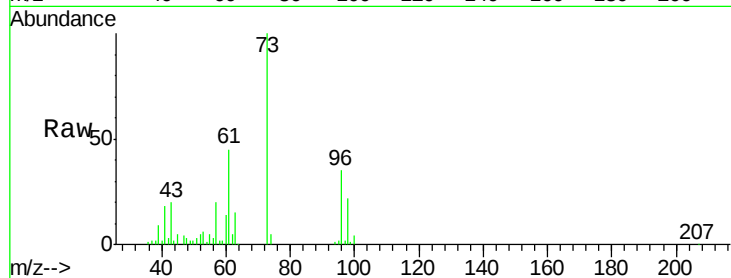
#19
Methvl tert-butvl Ether
Concen: 18.933 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion: 73 Resp: 184390
Ion Ratio Lower Upper
73 100
57 20.1 17.4 26.0

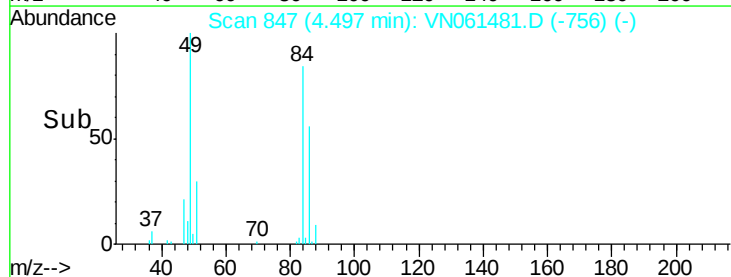
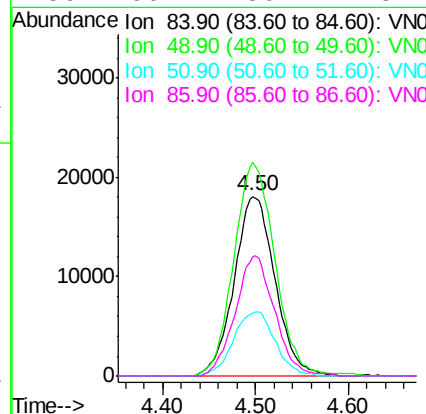
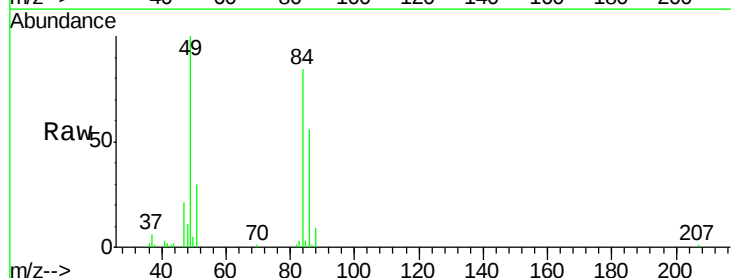
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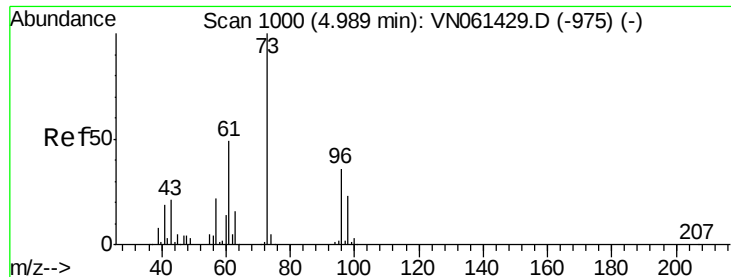
MMDadoda
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#20
Methylene Chloride
Concen: 17.987 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 84 Resp: 55237
Ion Ratio Lower Upper
84 100
49 119.1 95.3 142.9
51 35.3 29.0 43.6
86 66.4 50.2 75.2





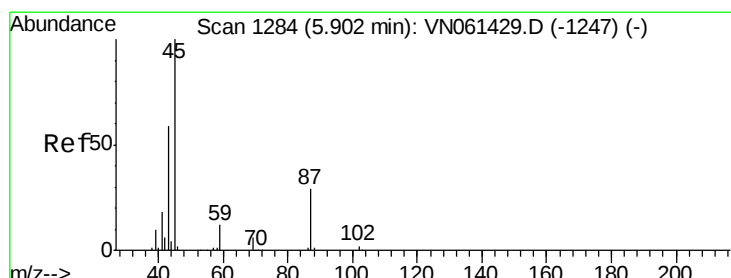
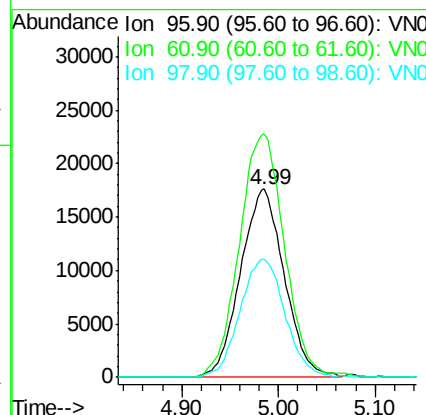
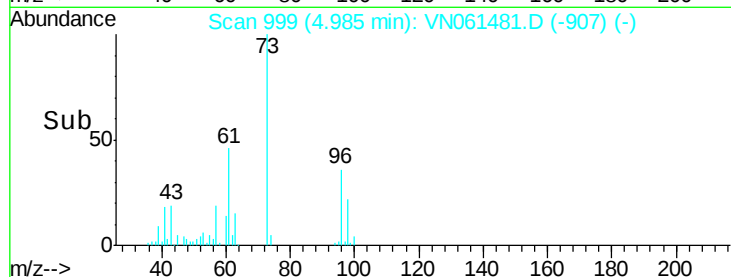
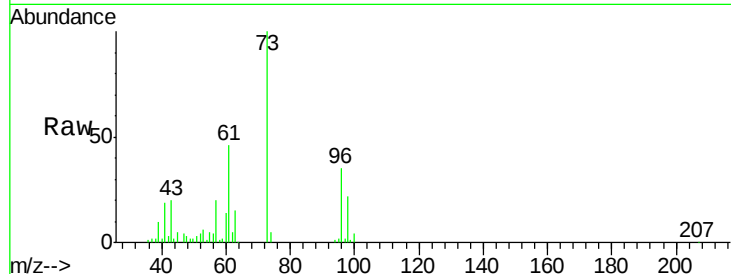
#21
trans-1,2-Dichloroethene
Concen: 18.736 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	109.8	164.6
98	62.7	52.4	78.6

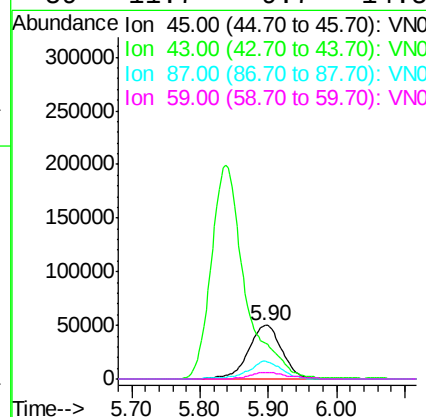
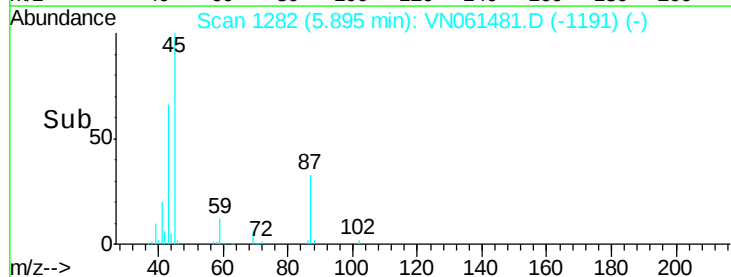
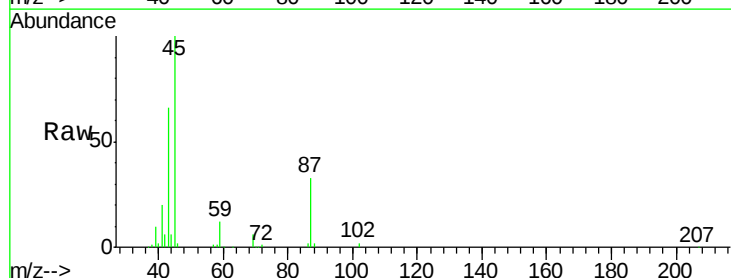
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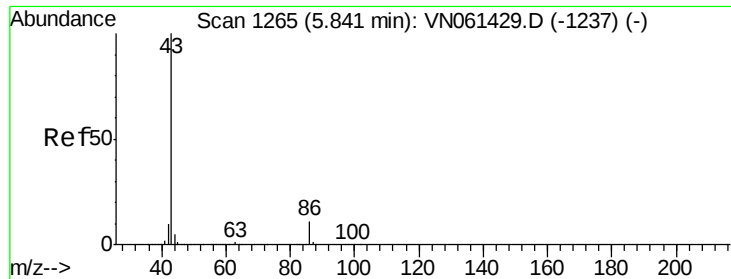
MMDadoda
5/21/2020 1:11:07 PM



#22
Diisopropyl ether
Concen: 18.190 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	47.9	71.9
87	32.8	24.0	36.0
59	11.7	9.7	14.5





#23

Vinyl Acetate

Concen: 92.297 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion: 43 Resp: 688835

Ion Ratio Lower Upper

43 100

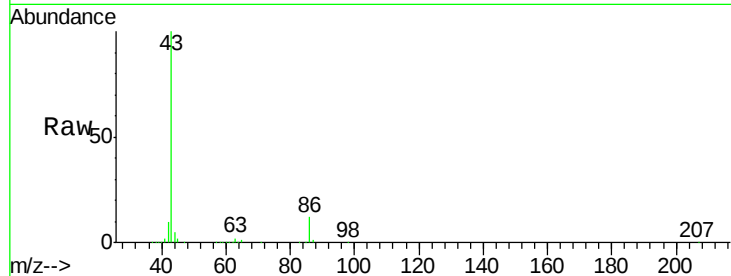
86 12.4 9.1 13.7

Manual Integrations

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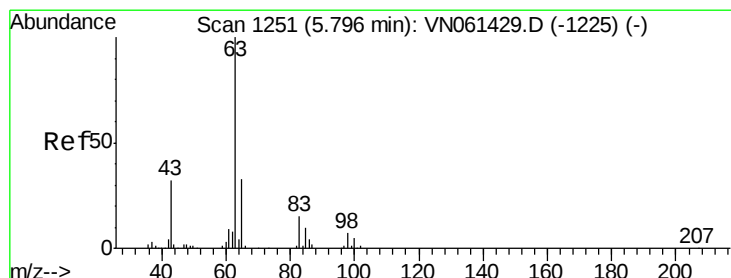
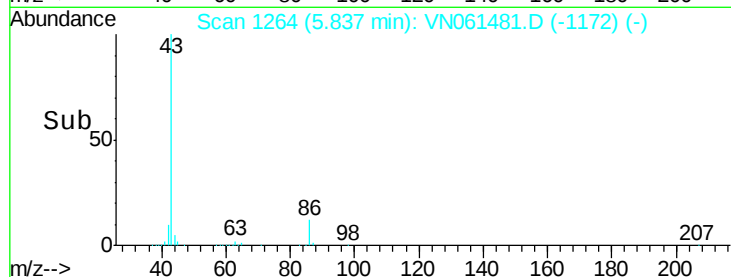
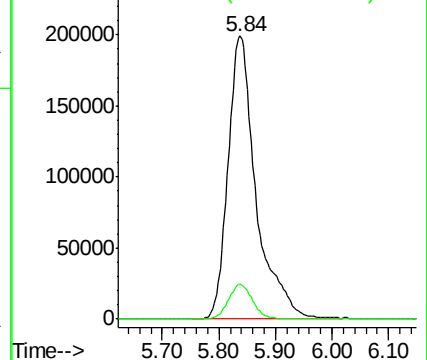
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.358 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

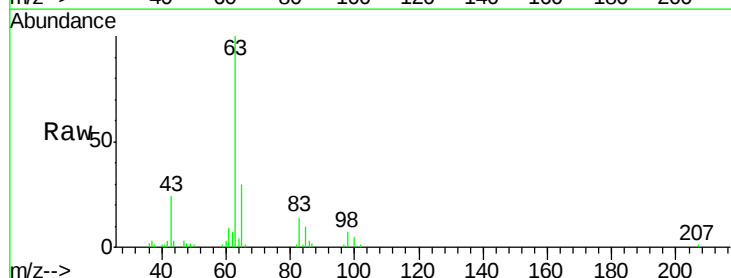
Tgt Ion: 63 Resp: 100495

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

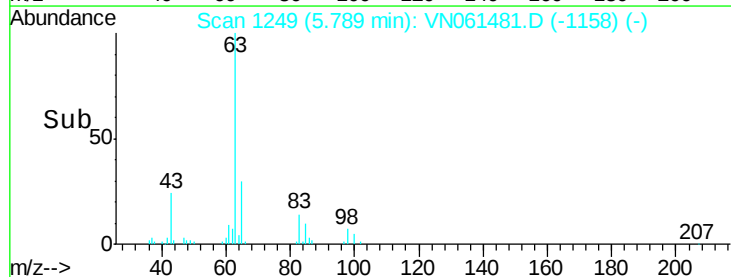
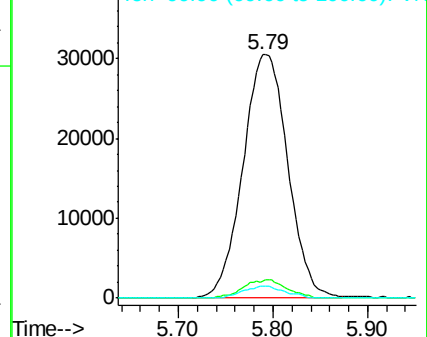
100 5.1 2.3 6.9

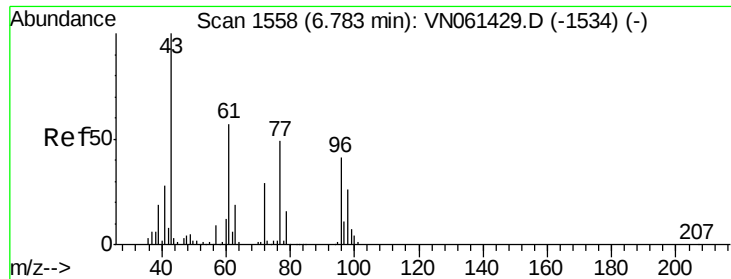


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





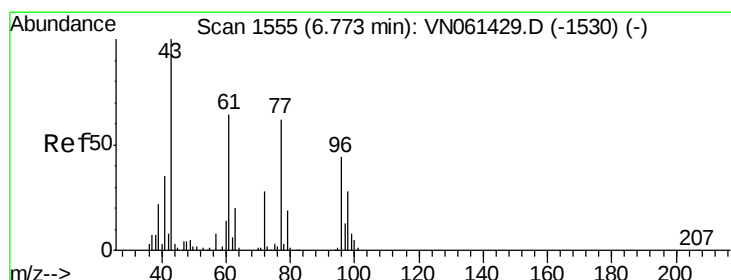
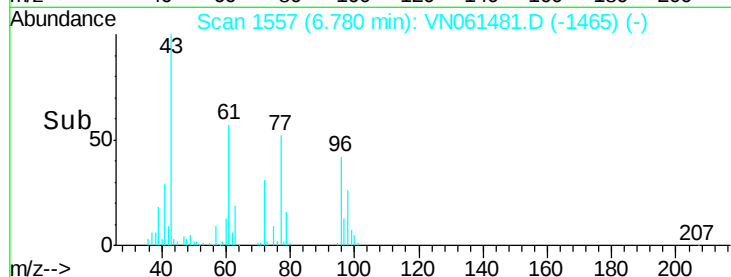
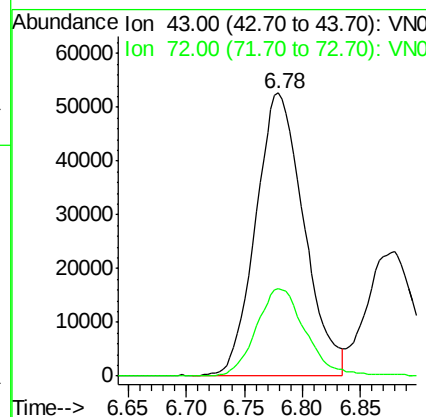
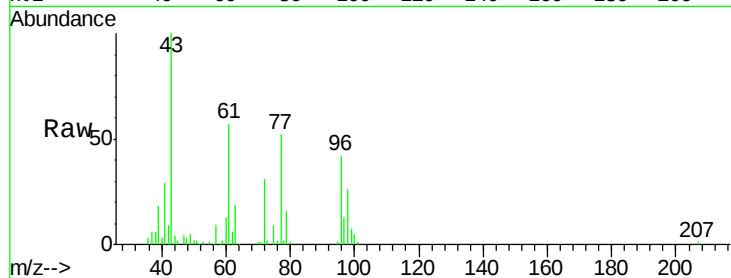
#25
2-Butanone
Concen: 89.608 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion: 43 Resp: 152452
Ion Ratio Lower Upper
43 100
72 30.7 23.0 34.6

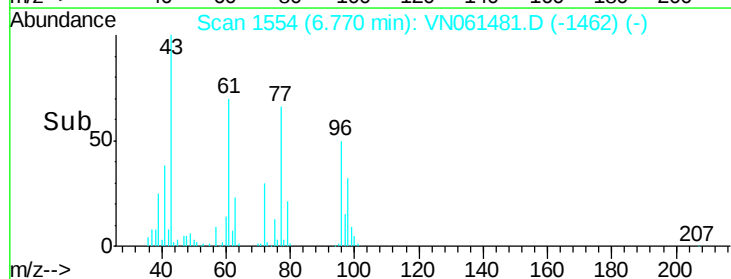
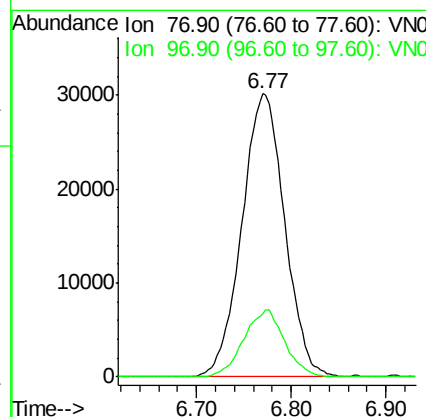
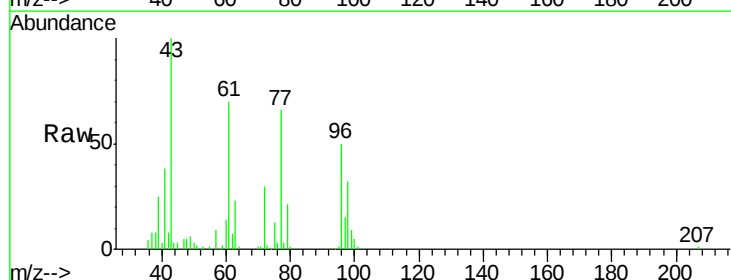
Manual Integrations
APPROVED

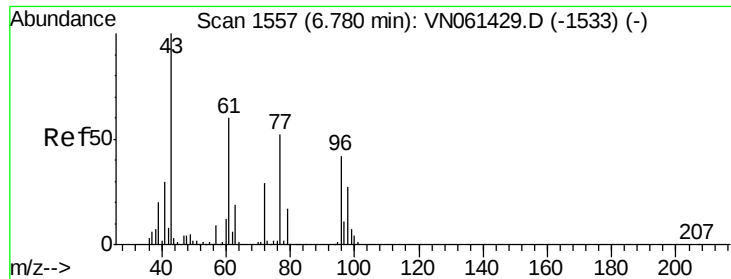
MMDadoda
5/21/2020 1:11:07 PM



#26
2,2-Dichloropropane
Concen: 18.124 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 77 Resp: 94580
Ion Ratio Lower Upper
77 100
97 22.5 10.9 32.9





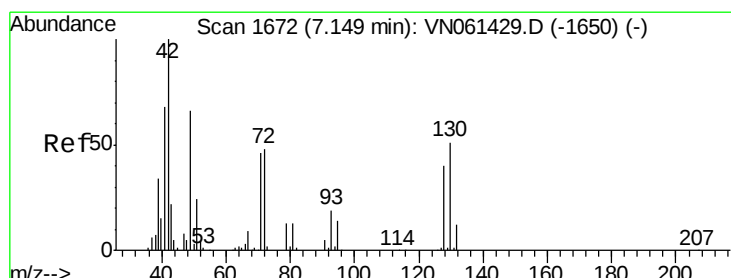
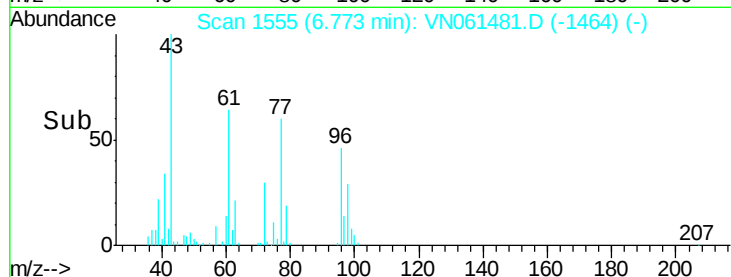
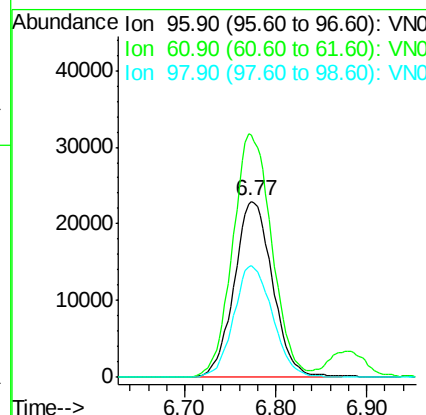
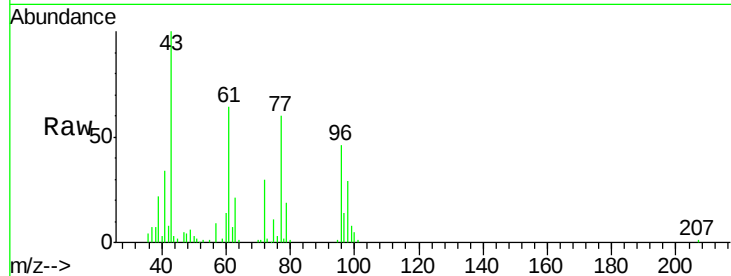
#27
 cis-1,2-Dichloroethene
 Concen: 19.265 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	67342		
61	140.6		0.0	294.2
98	63.8		0.0	128.2

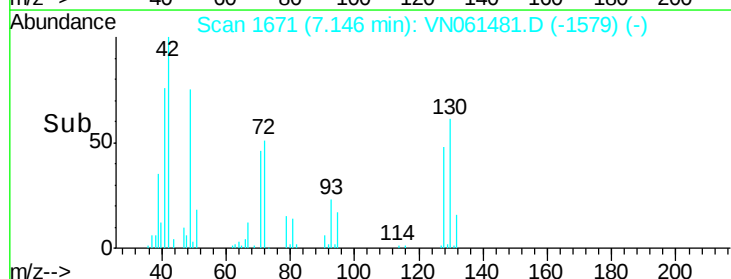
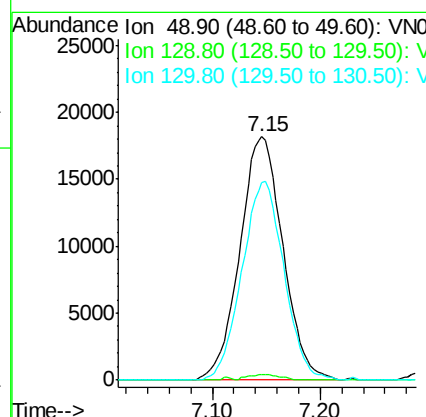
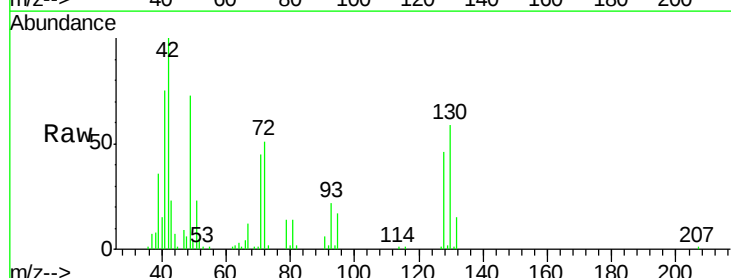
Manual Integrations
 APPROVED

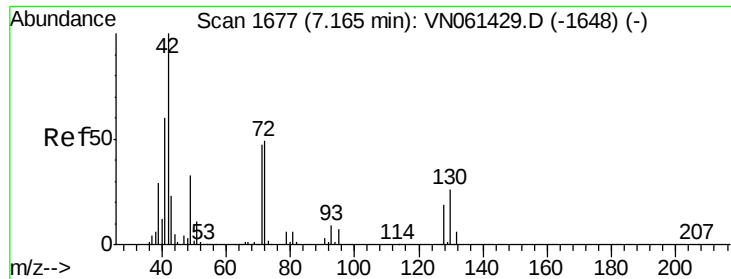
MMDadoda
 5/21/2020 1:11:07 PM



#28
 Bromochloromethane
 Concen: 21.702 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	50427		
129	1.7		0.0	4.6
130	79.6		62.2	93.2





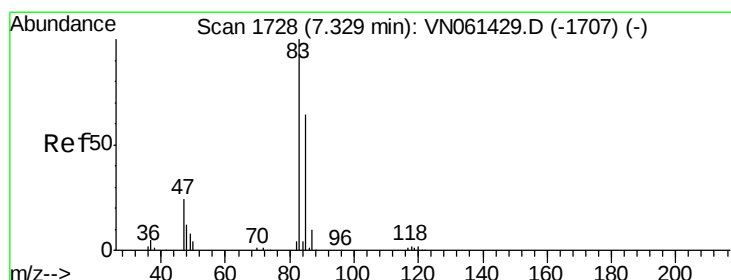
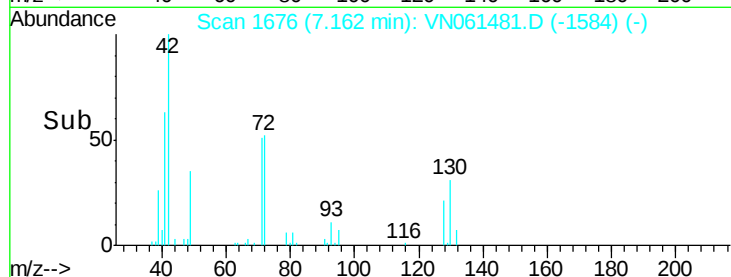
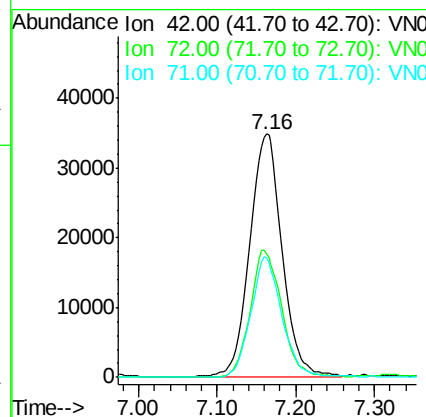
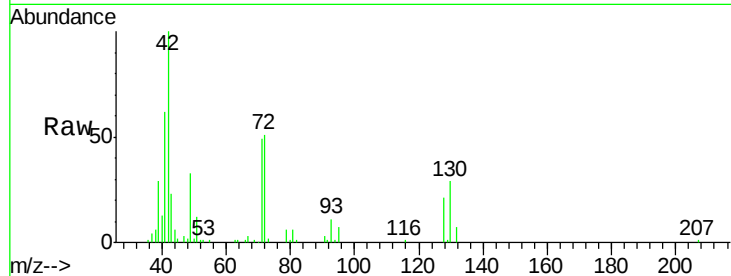
#29
Tetrahydrofuran
Concen: 90.770 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	39.0	58.6
71	46.9	36.9	55.3

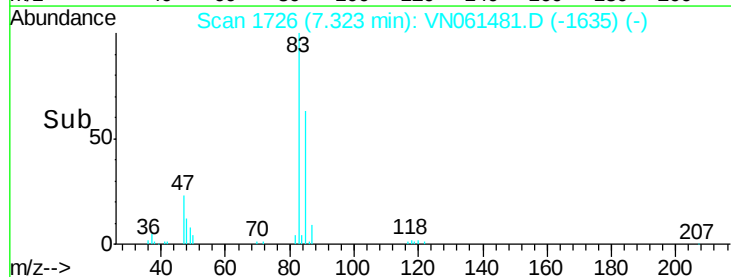
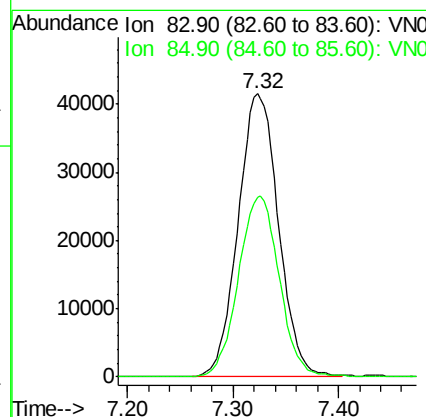
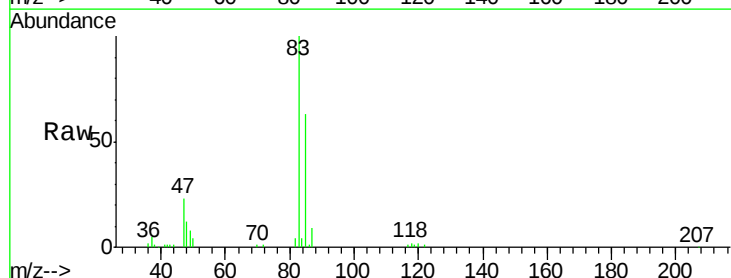
Manual Integrations
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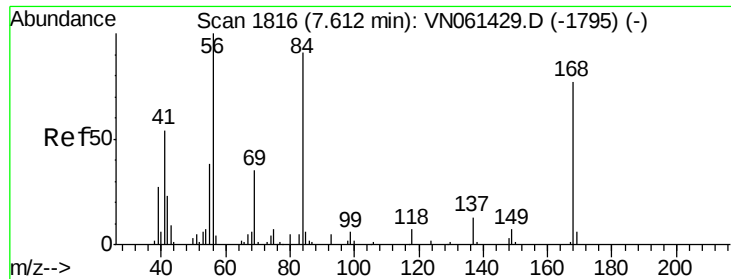
MMDadoda
5/21/2020 1:11:07 PM



#30
Chloroform
Concen: 19.313 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4





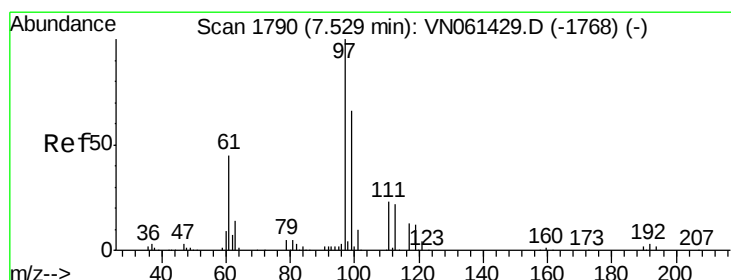
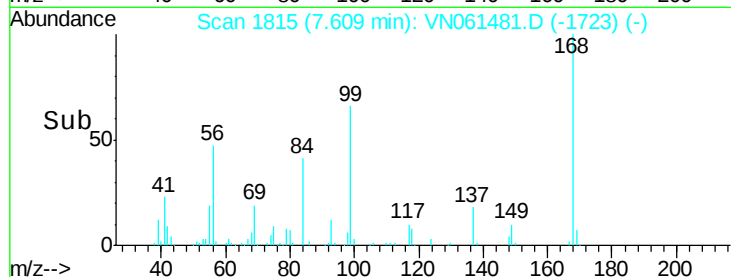
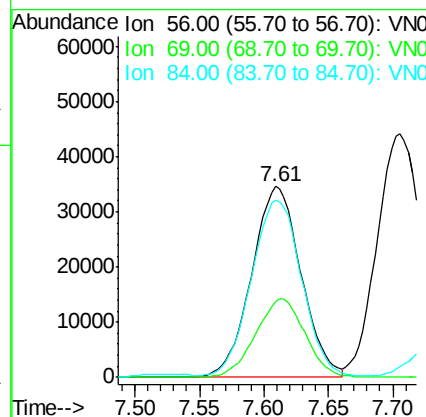
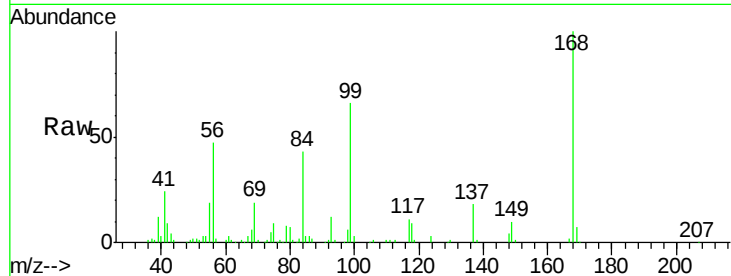
#31
Cyclohexane
Concen: 17.165 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	27.8	41.6
84	91.5	72.7	109.1

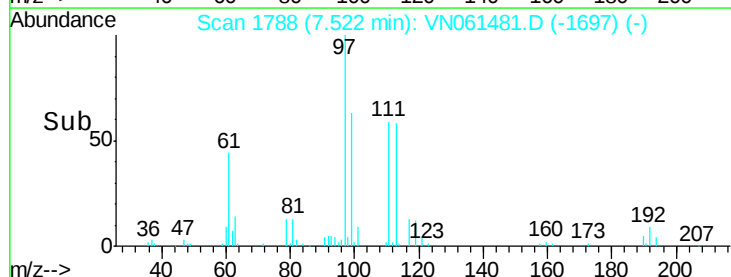
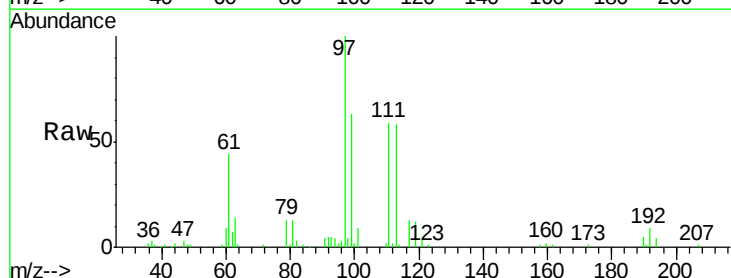
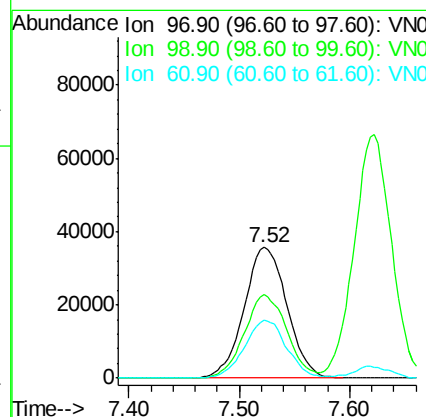
Manual Integrations
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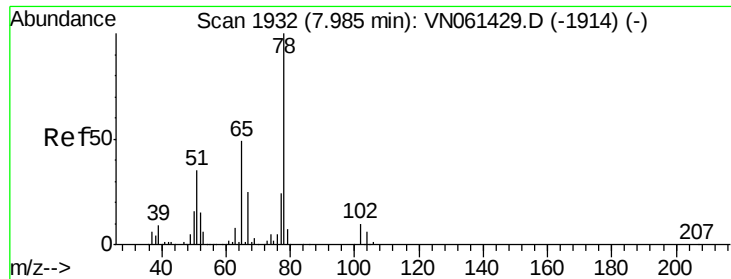
MMDadoda
5/21/2020 1:11:07 PM



#32
1,1,1-Trichloroethane
Concen: 18.454 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	43.4	35.8	53.6





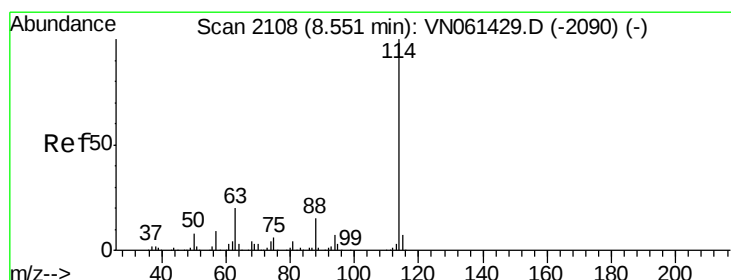
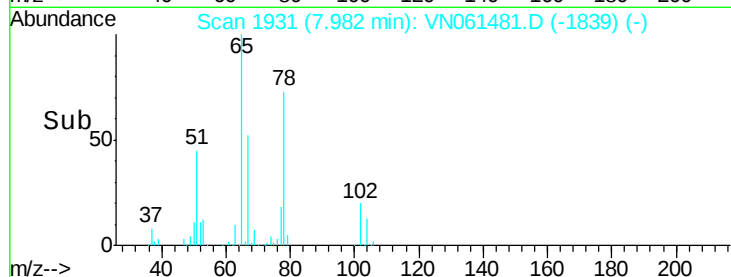
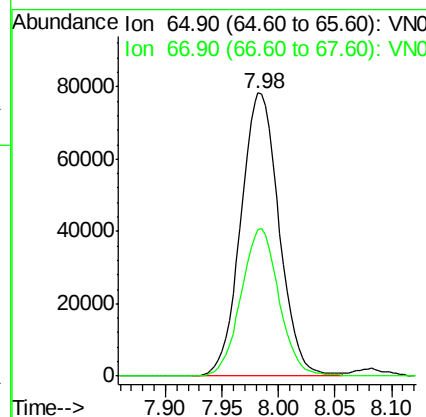
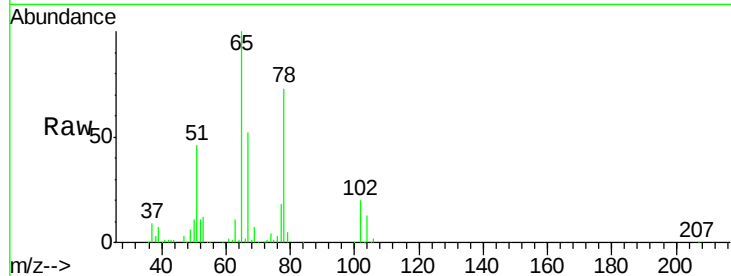
#33
 1,2-Dichloroethane-d4
 Concen: 49.345 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184384		
67	51.8	0.0	101.4	

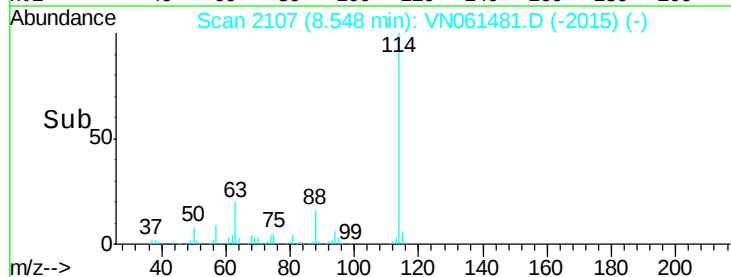
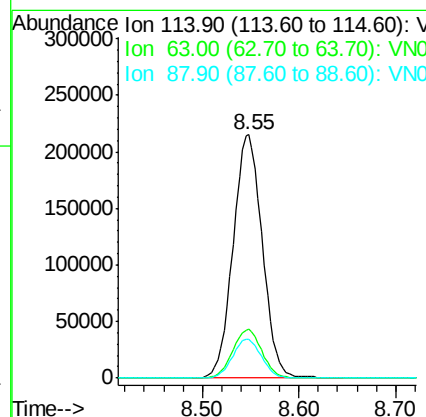
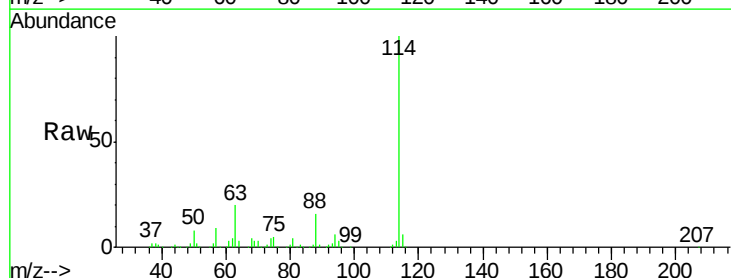
Manual Integrations
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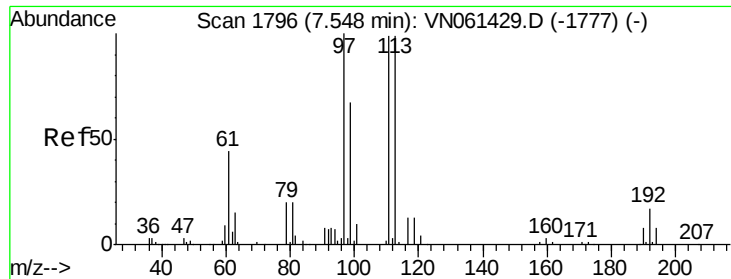
MMDadoda
 5/21/2020 1:11:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	451374		
63	20.1	0.0	40.8	
88	15.8	0.0	30.8	





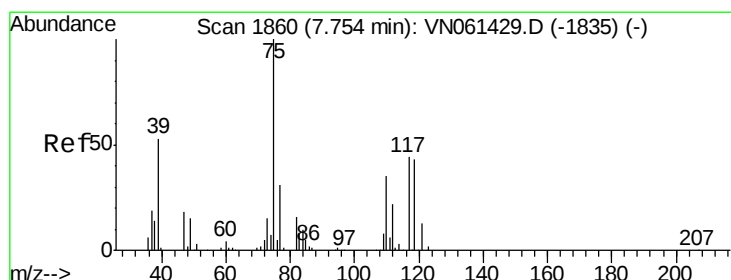
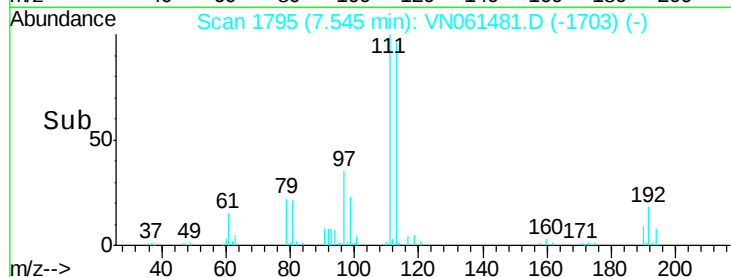
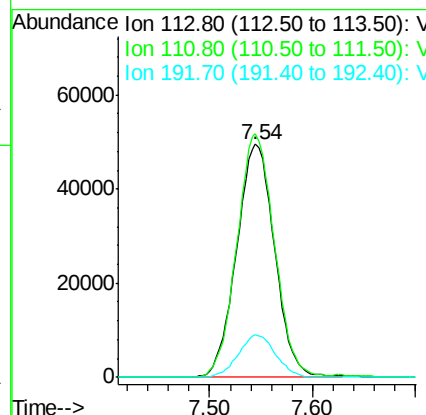
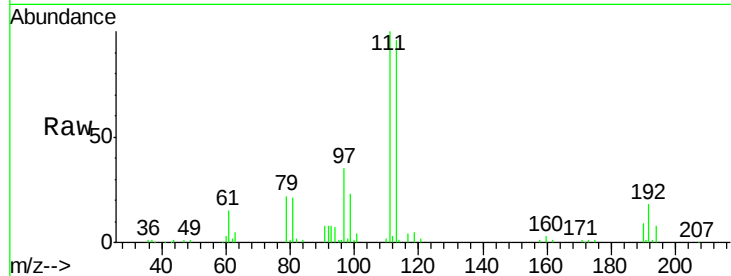
#35
 Dibromofluoromethane
 Concen: 53.872 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127388		
111	103.0	80.6	121.0	
192	17.8	13.2	19.8	

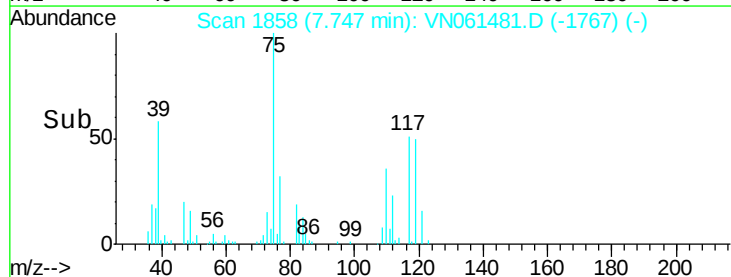
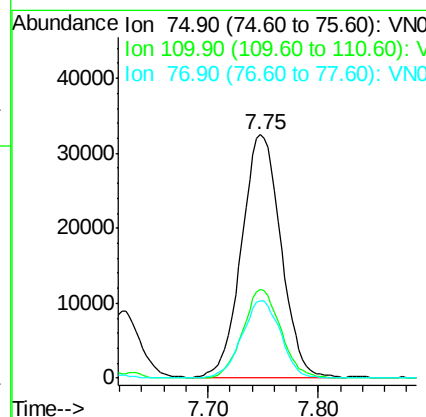
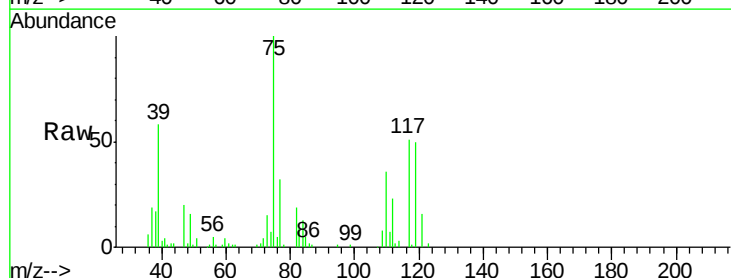
Manual Integrations
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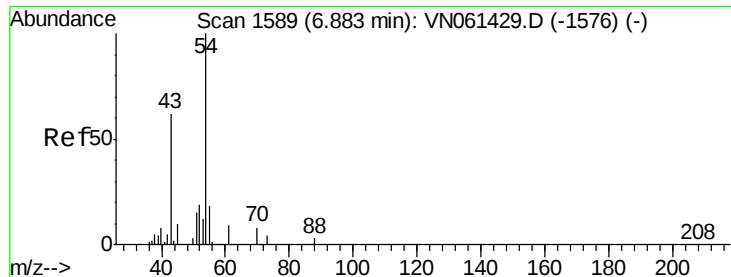
MMDadoda
 5/21/2020 1:11:07 PM



#36
 1,1-Dichloropropene
 Concen: 19.126 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80724		
110	34.9	17.3	51.9	
77	31.1	24.9	37.3	





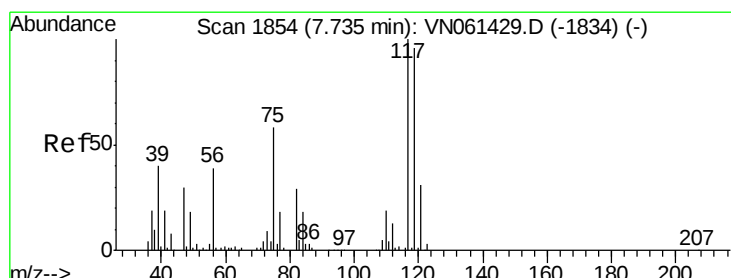
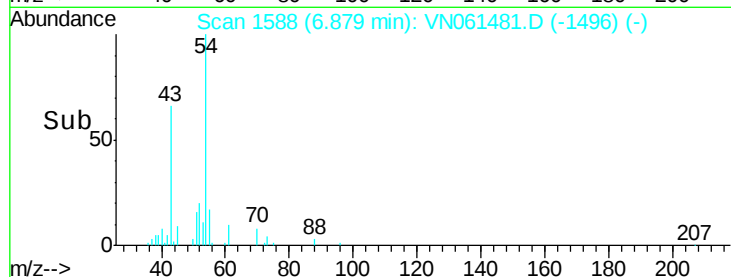
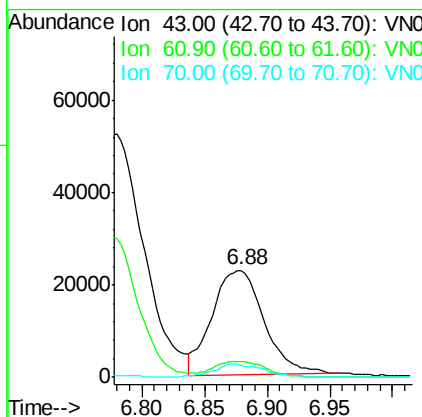
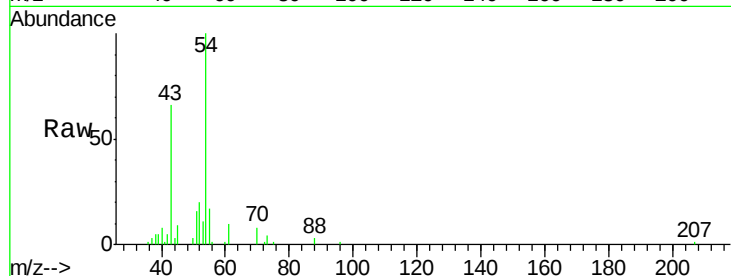
#37
Ethyl Acetate
Concen: 17.007 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampled :
VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.7	17.5
70	12.3	9.2	13.8

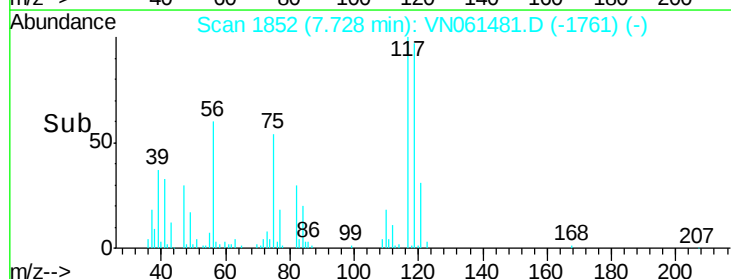
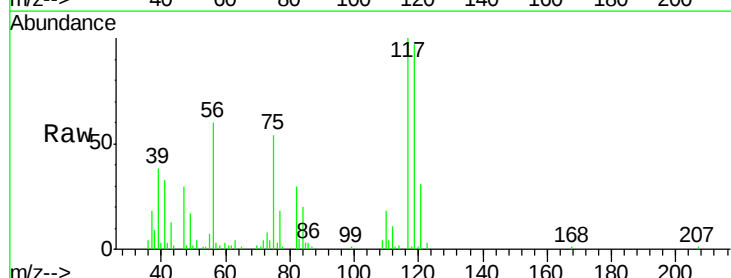
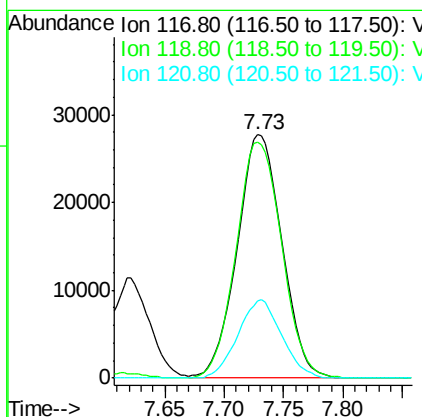
Manual Integrations
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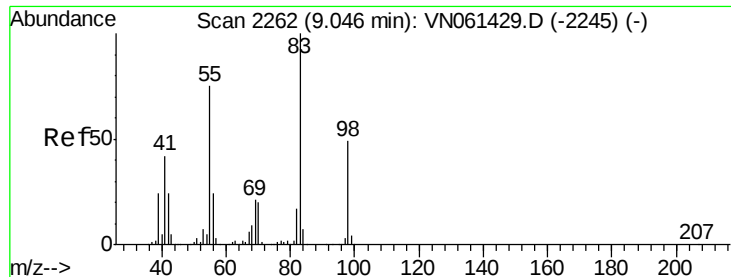
MMDadoda
5/21/2020 1:11:07 PM



#38
Carbon Tetrachloride
Concen: 18.607 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.0	115.6
121	31.5	24.7	37.1





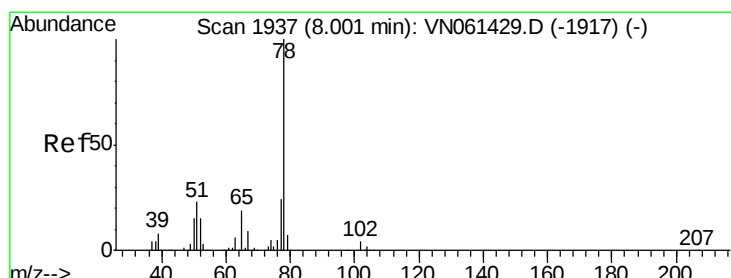
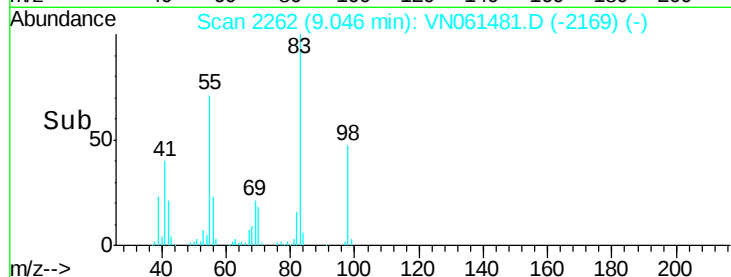
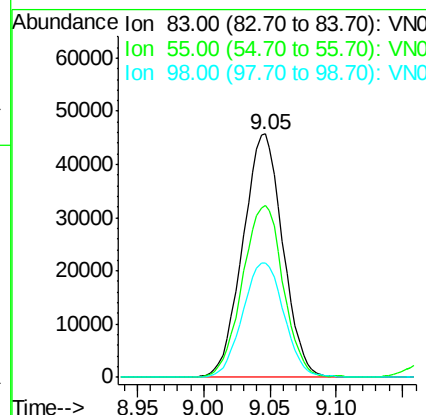
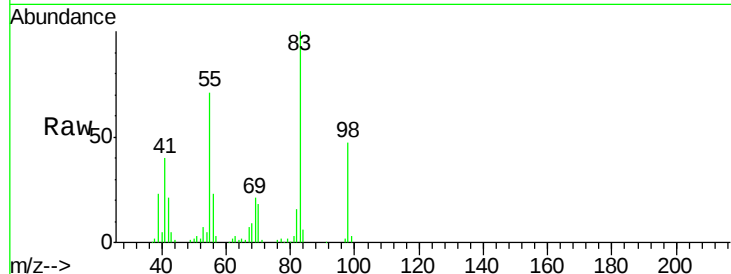
#39
Methvlcvclohexane
Concen: 18.605 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	83	Resp	95907
Ion Ratio	Lower	Upper	
83	100		
55	70.6	59.7	89.5
98	47.1	38.9	58.3

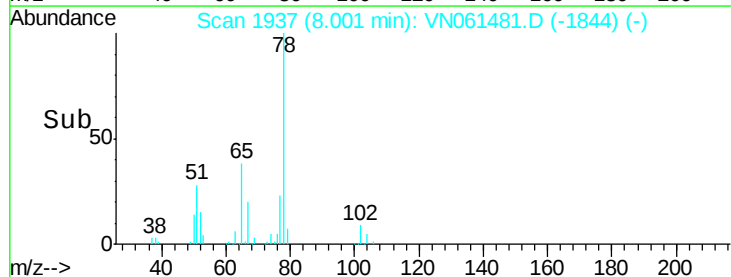
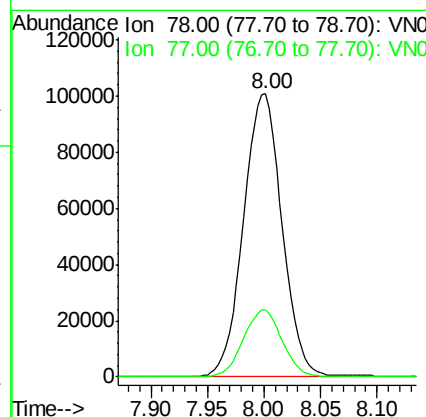
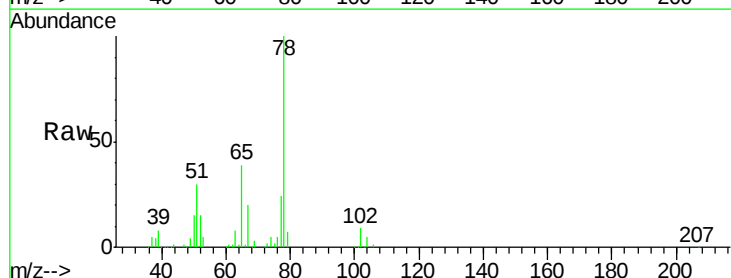
Manual Integrations
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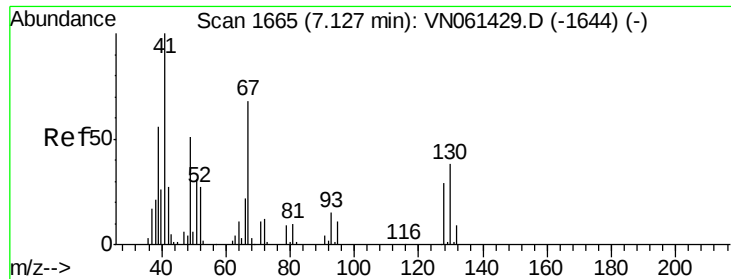
MMDadoda
5/21/2020 1:11:07 PM



#40
Benzene
Concen: 18.794 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	78	Resp	239039
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.1	28.7





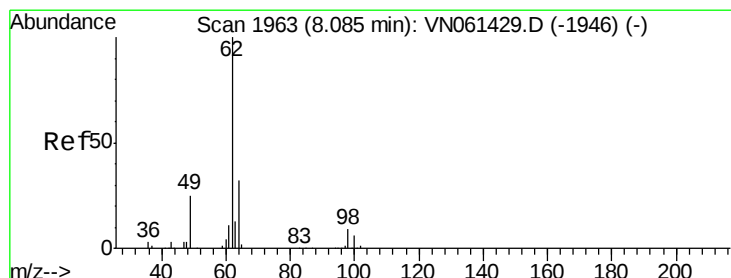
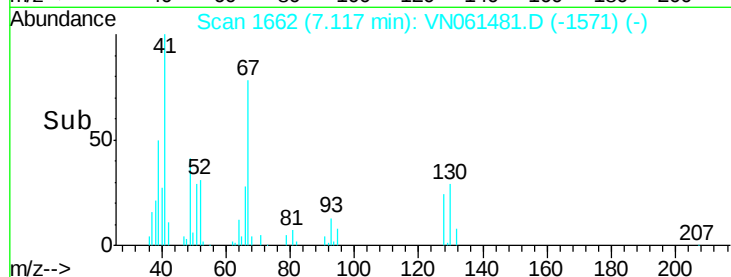
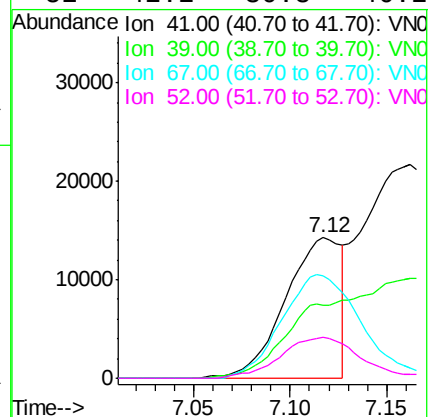
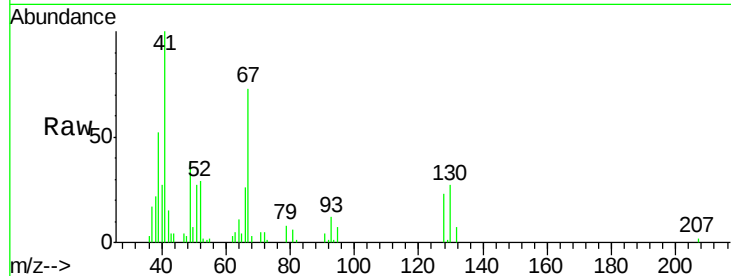
#41
Methacrylonitrile
Concen: 17.667 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	45.4	48.3	72.5#	
67	105.3	74.2	111.4	
52	42.2	30.8	46.2	

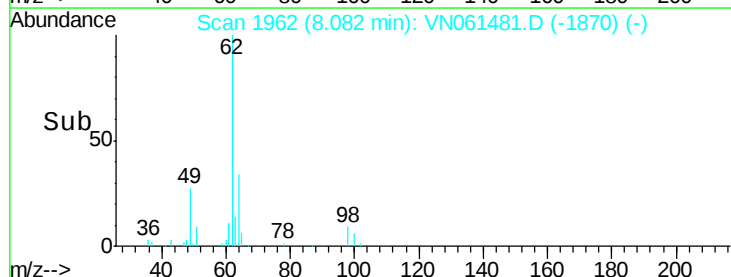
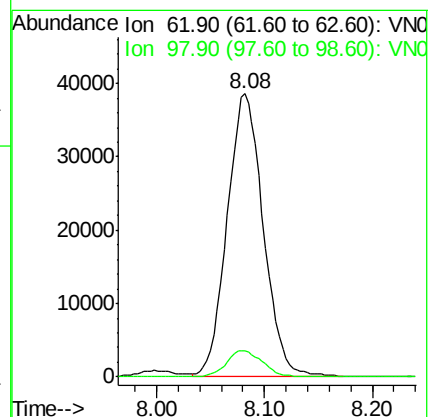
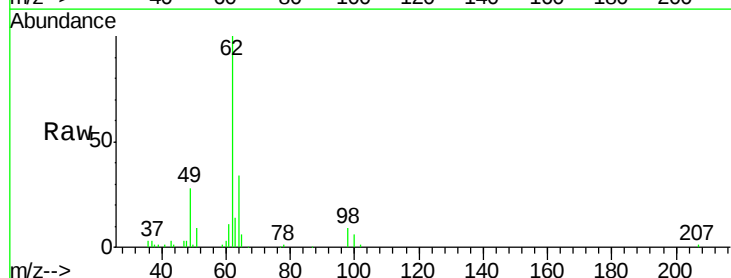
Manual Integrations
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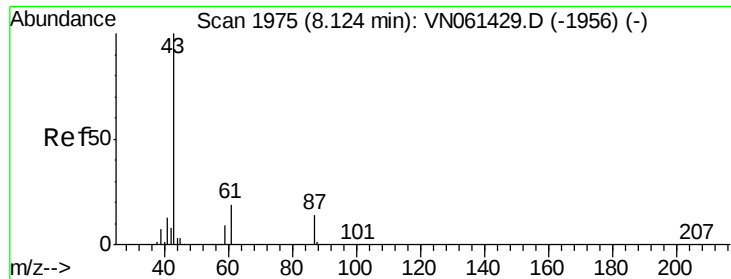
MMDadoda
5/21/2020 1:11:07 PM



#42
1,2-Dichloroethane
Concen: 19.673 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.4	





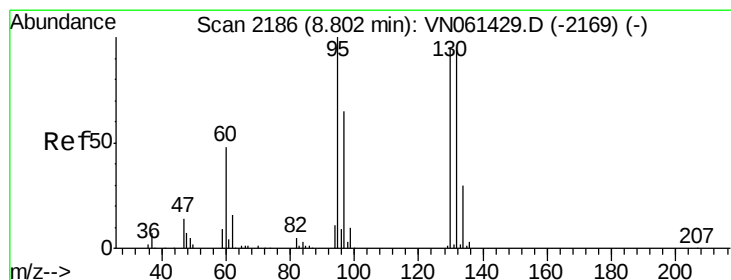
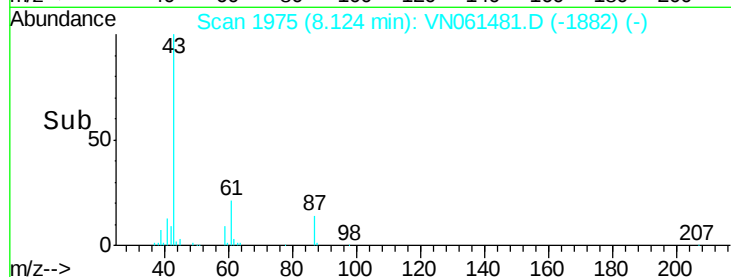
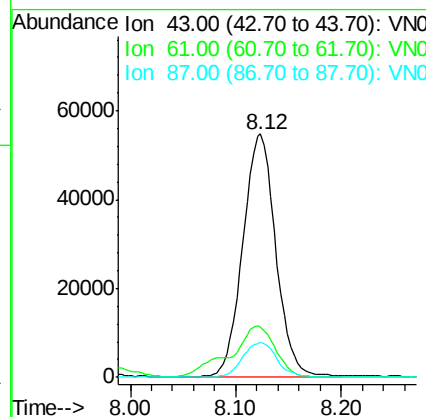
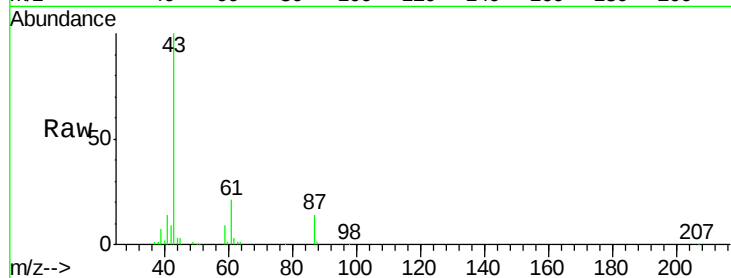
#43
Isopropyl Acetate
Concen: 17.739 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	23.0	34.4#
87	14.9	11.6	17.4

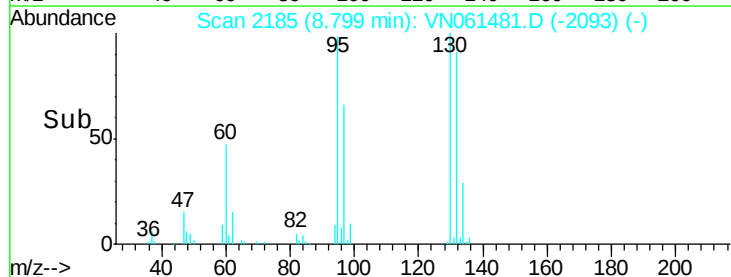
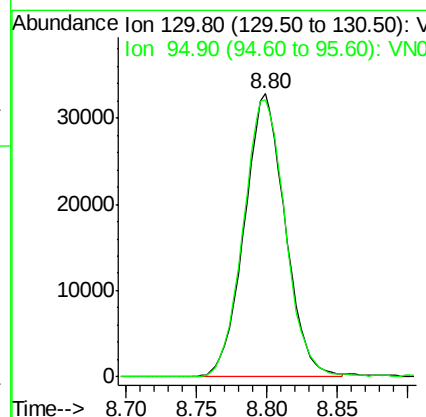
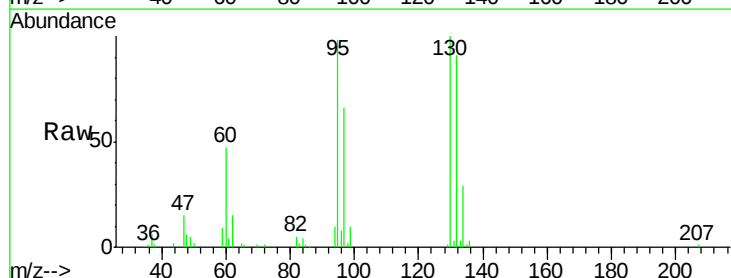
Manual Integrations
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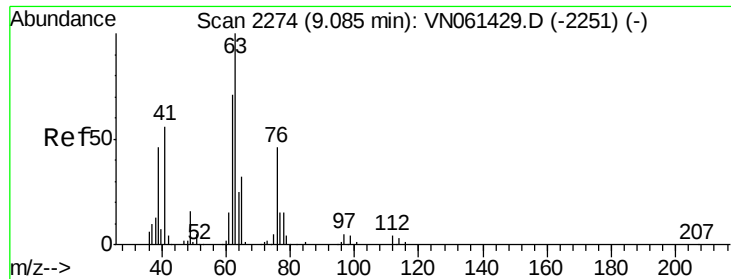
MMDadoda
5/21/2020 1:11:07 PM



#44
Trichloroethene
Concen: 19.893 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	209.8





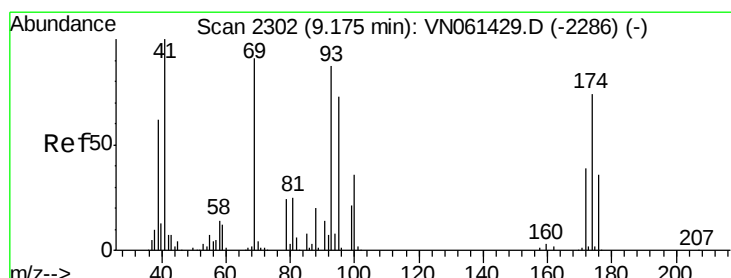
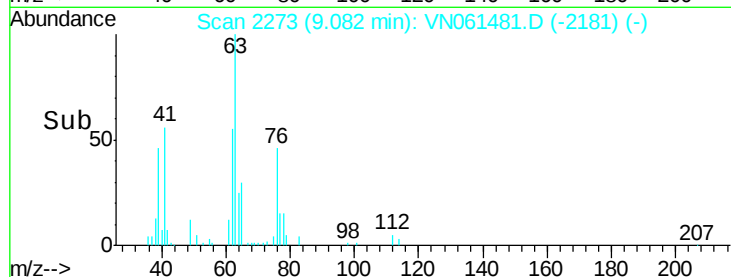
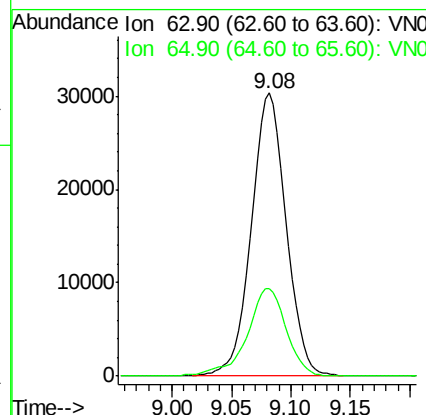
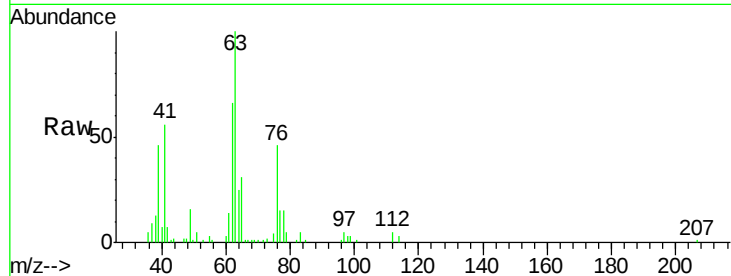
#45
 1,2-Dichloropropane
 Concen: 19.302 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion: 63 Resp: 61449
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.2 37.8

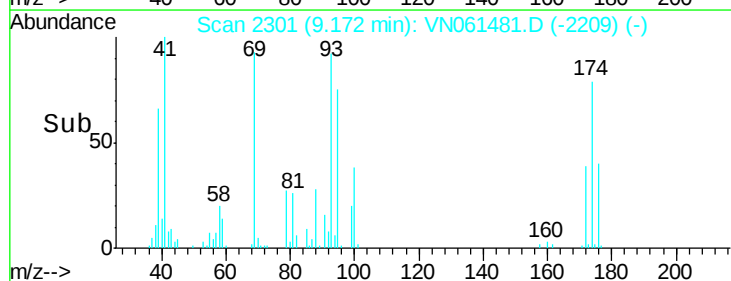
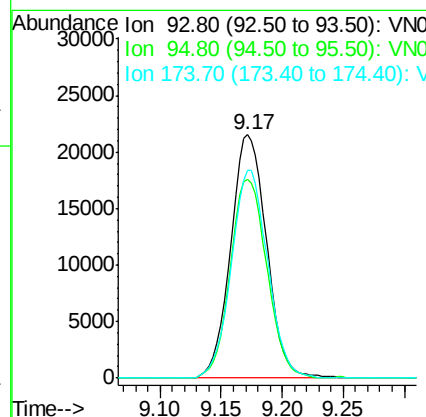
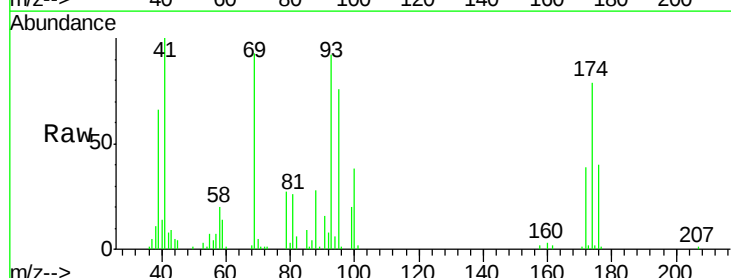
Manual Integrations
 APPROVED

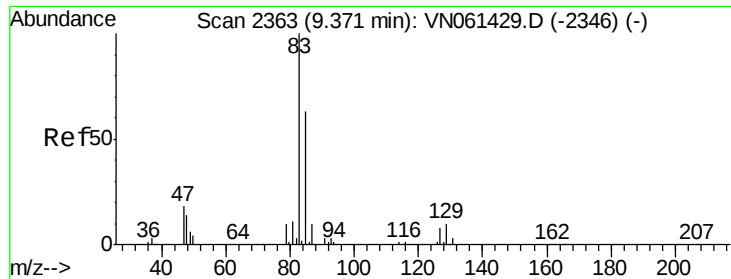
MMDadoda
 5/21/2020 1:11:07 PM



#46
 Dibromomethane
 Concen: 19.789 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 93 Resp: 44164
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.6 98.4
 174 86.2 68.0 102.0





#47

Bromodichloromethane

Concen: 19.291 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

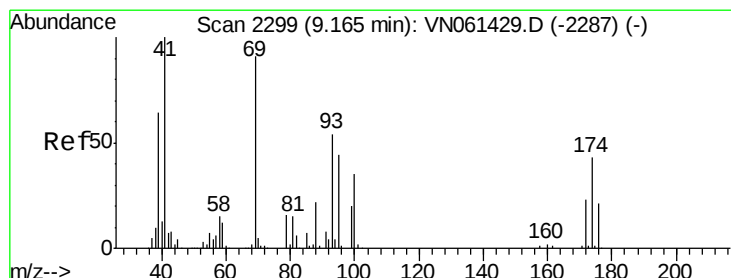
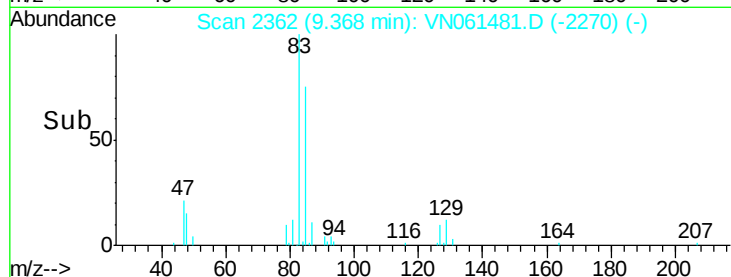
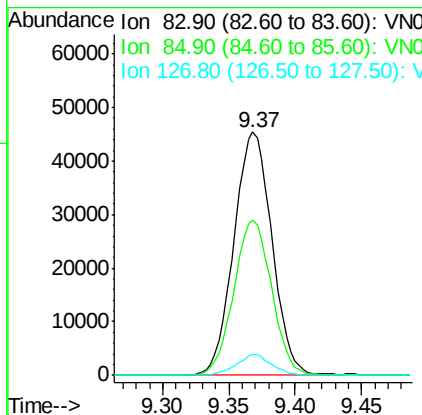
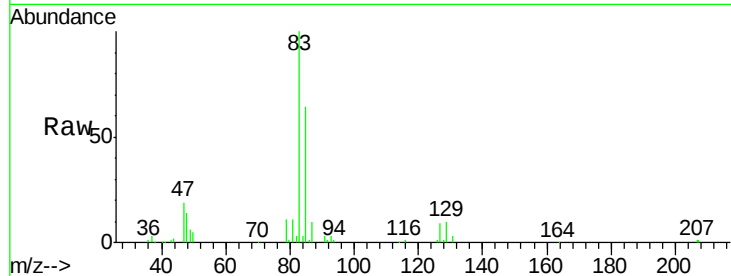
ClientSampleId :

VN0519MBSD01

Tot Ion:	83	Resp:	90710
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0
127	8.7	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.256 ug/l

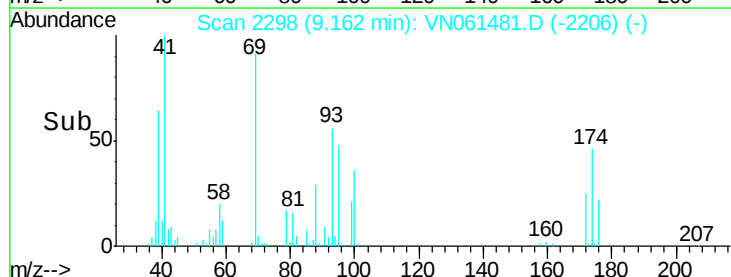
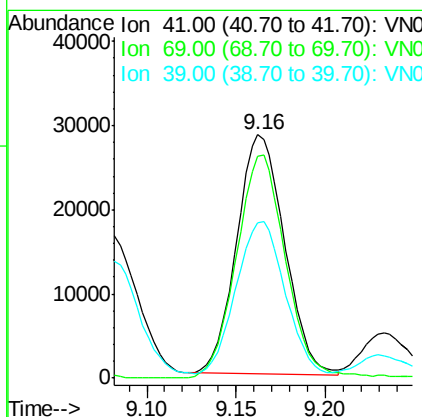
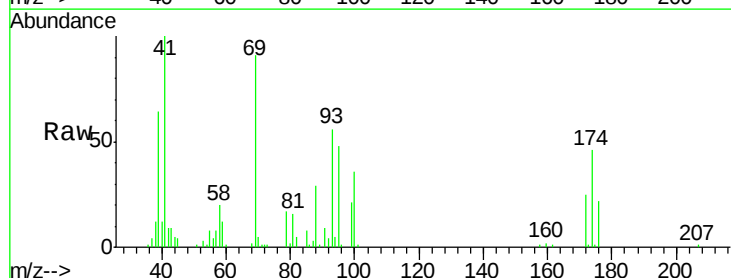
RT: 9.16 min Scan# 2298

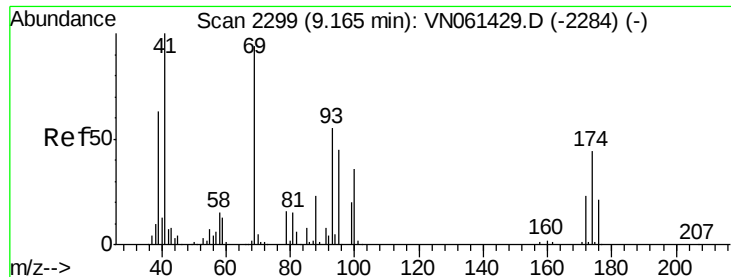
Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Tgt Ion:	41	Resp:	53215
Ion	Ratio	Lower	Upper
41	100		
69	96.9	75.3	112.9
39	67.4	52.6	79.0





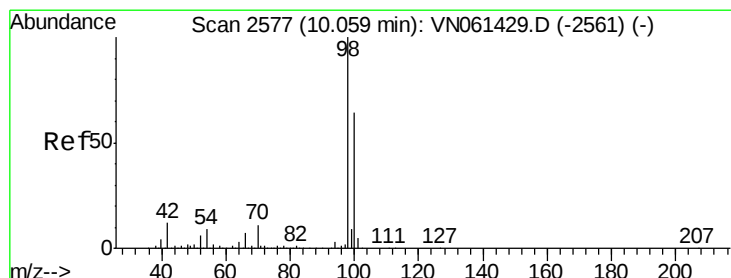
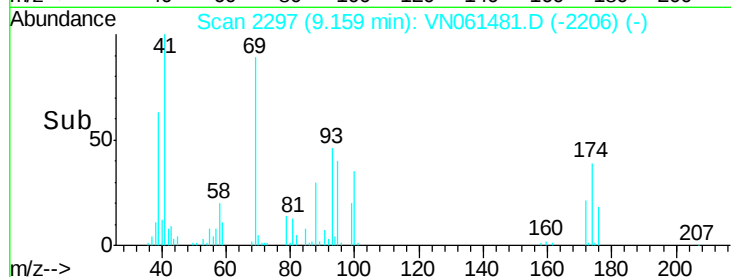
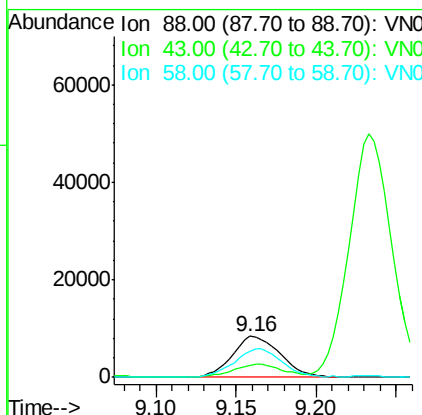
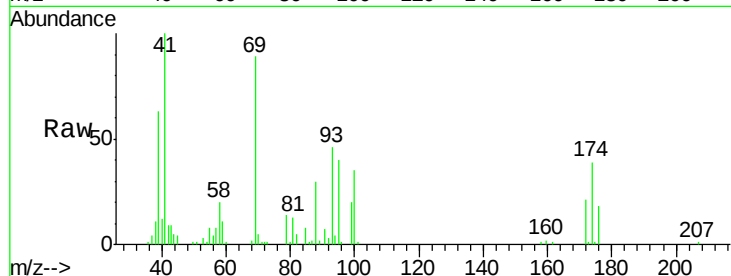
#49
1,4-Dioxane
Concen: 510.833 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	88	Resp	17168
Ion Ratio	Lower	Upper	
88	100		
43	33.2	26.3	39.5
58	68.3	54.1	81.1

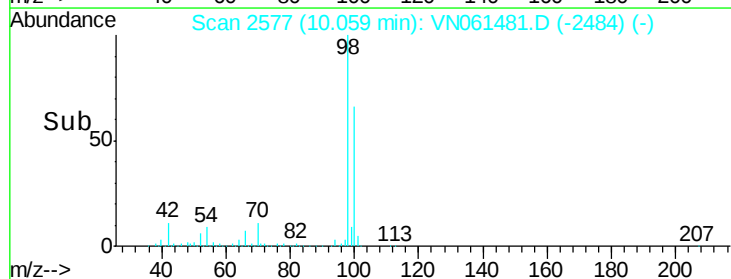
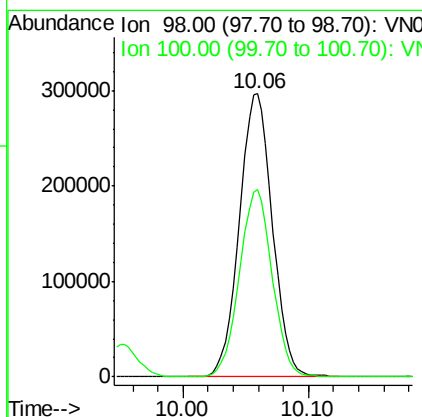
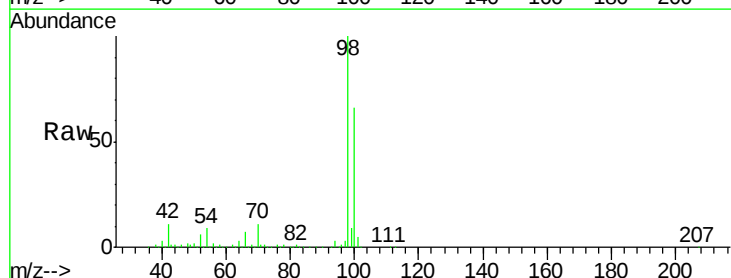
Manual Integrations
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#50
Toluene-d8
Concen: 49.526 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	98	Resp	543183
Ion Ratio	Lower	Upper	
98	100		
100	65.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 91.709 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion: 43 Resp: 333512

Ion Ratio Lower Upper

43 100

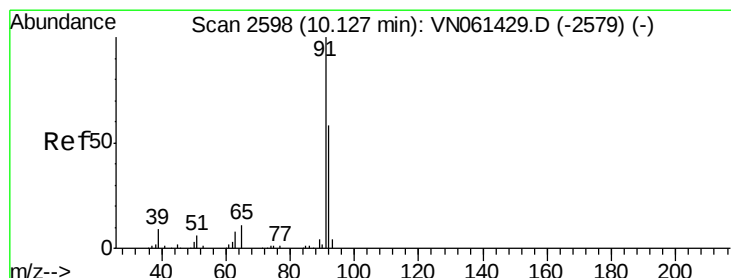
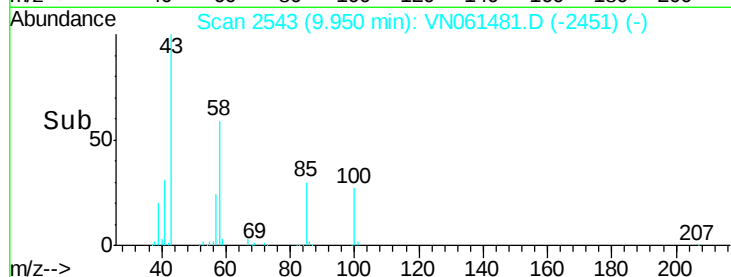
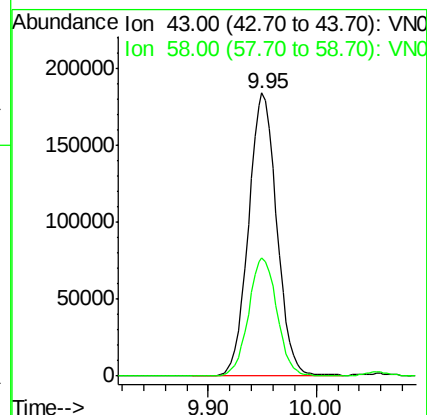
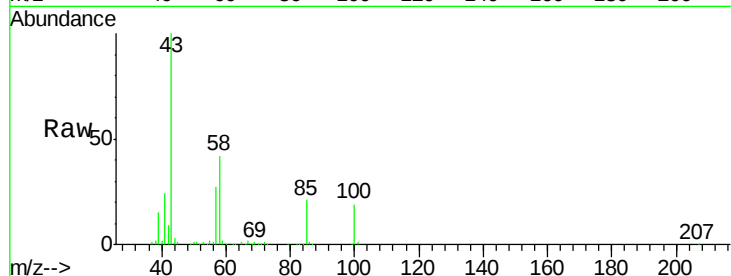
58 42.3 33.4 50.2

Manual Integrations

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#52

Toluene

Concen: 19.619 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061481.D

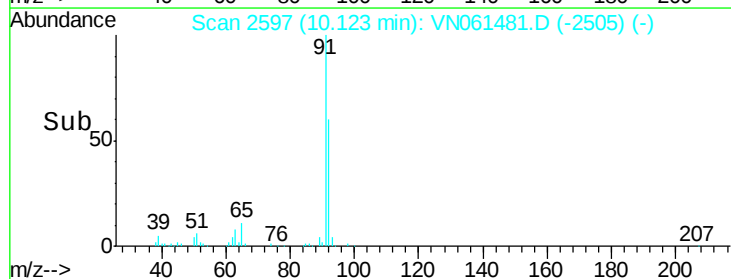
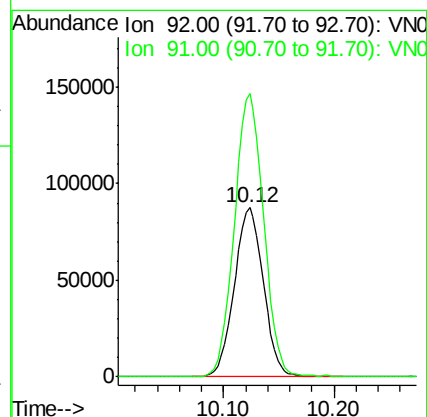
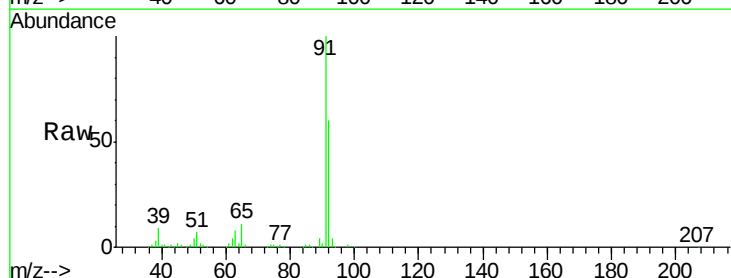
Acq: 19 May 2020 14:23

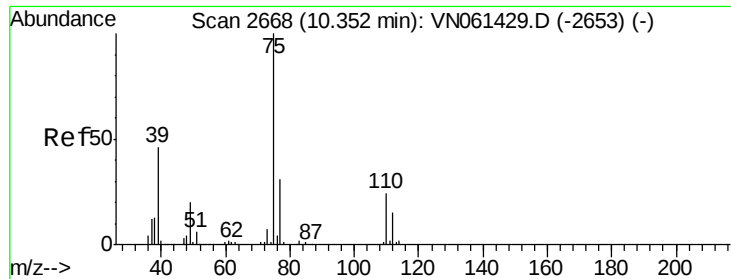
Tgt Ion: 92 Resp: 160204

Ion Ratio Lower Upper

92 100

91 168.4 138.0 207.0





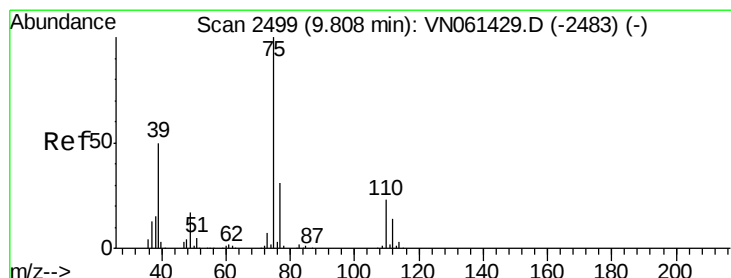
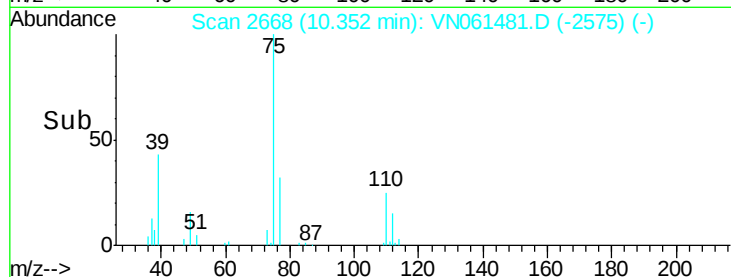
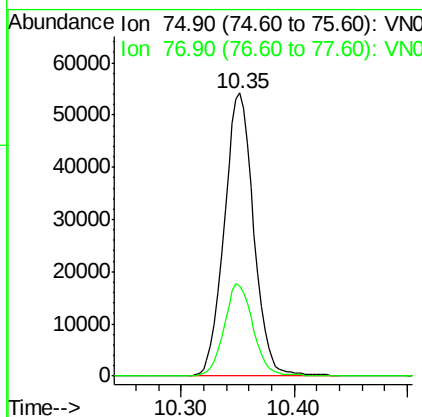
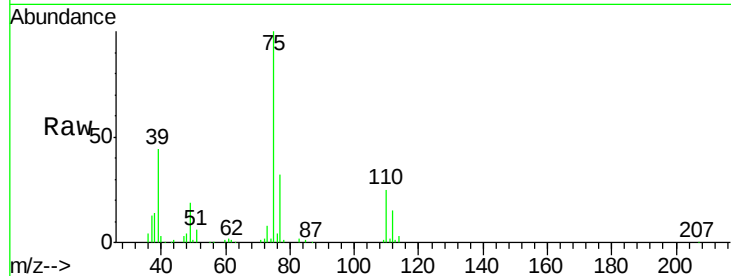
#53
t-1,3-Dichloropropene
Concen: 19.017 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion: 75 Resp: 98013
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2

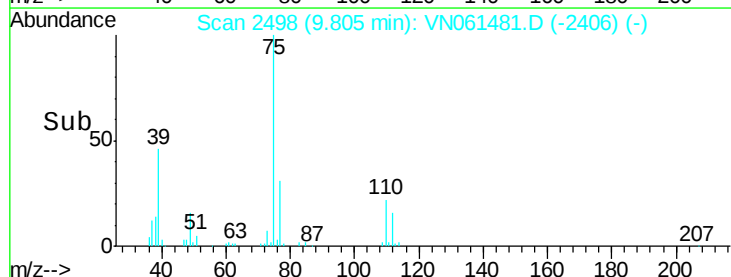
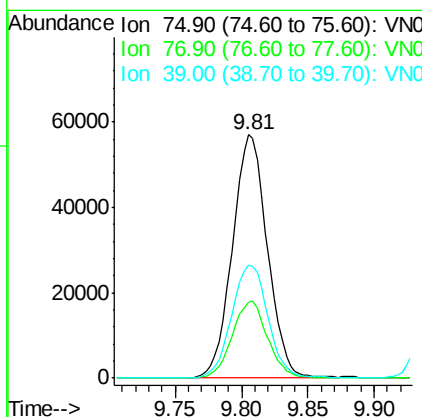
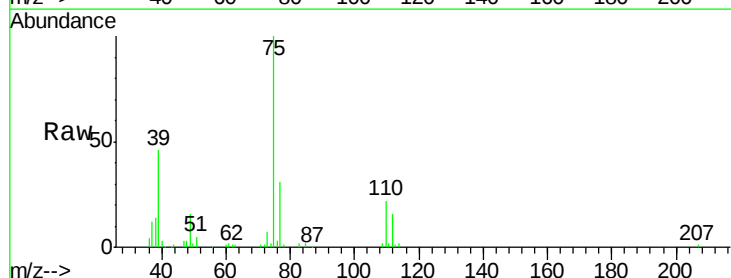
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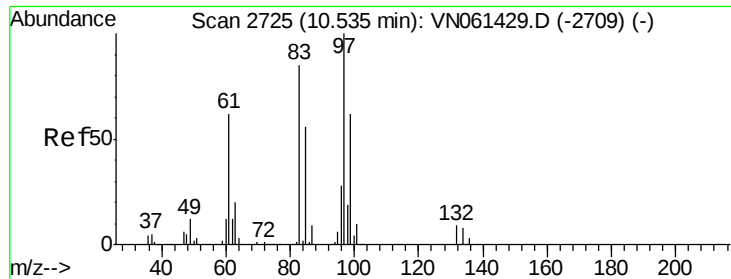
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.083 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 75 Resp: 104553
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 46.2 39.8 59.6





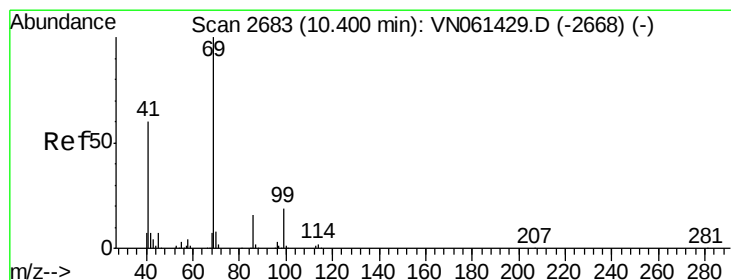
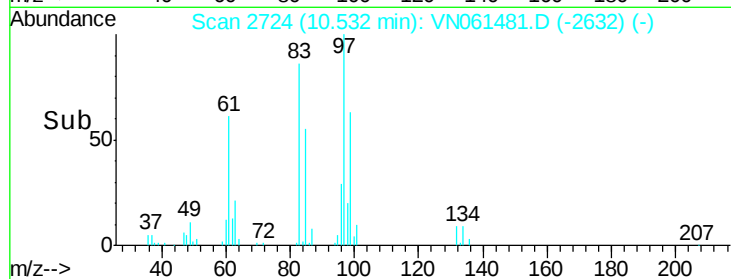
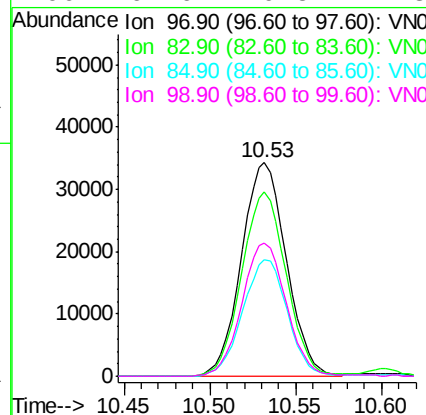
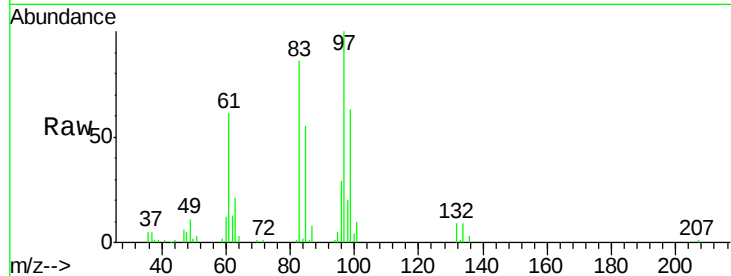
#55
 1,1,2-Trichloroethane
 Concen: 20.141 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		62178		
83	86.1	68.2	102.4		
85	54.8	44.6	67.0		
99	62.6	49.5	74.3		

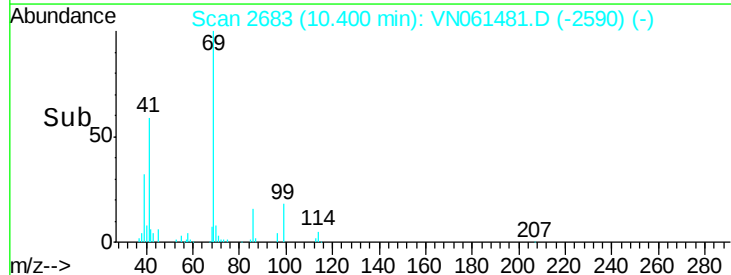
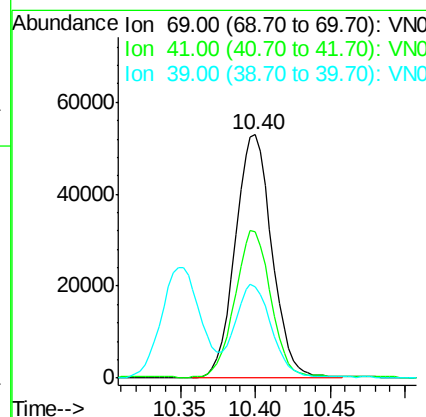
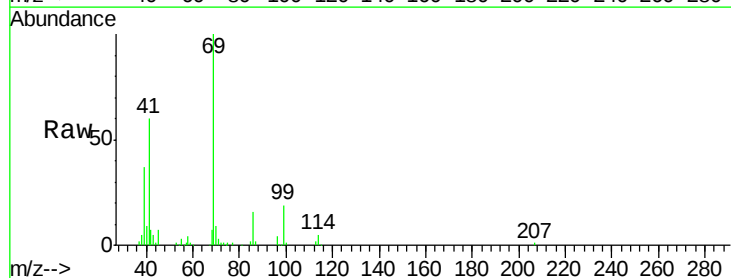
Manual Integrations
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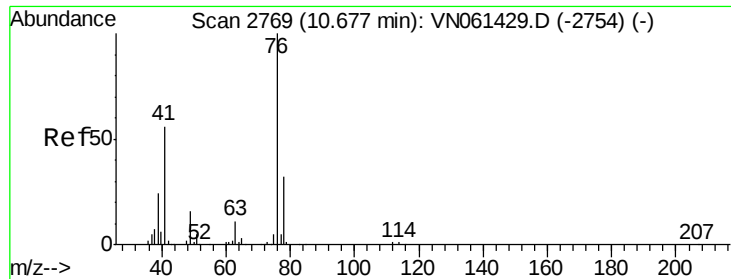
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.765 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		90567		
41	59.0	48.3	72.5		
39	37.1	30.2	45.2		





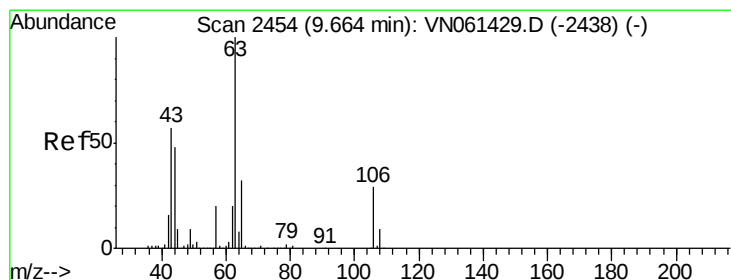
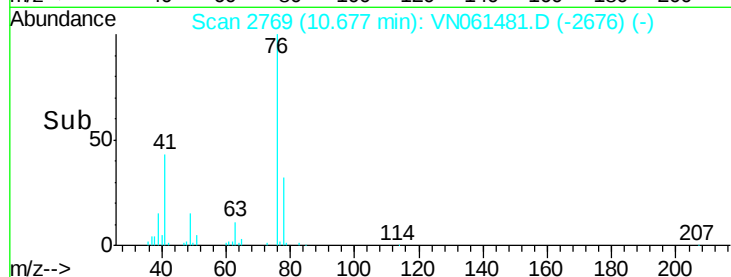
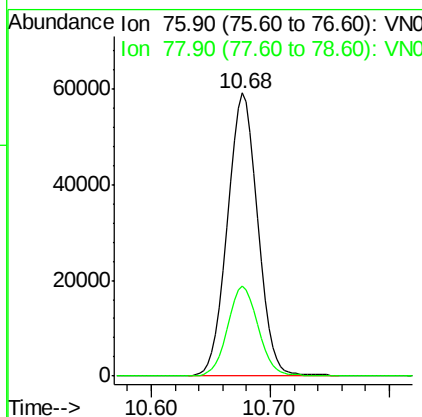
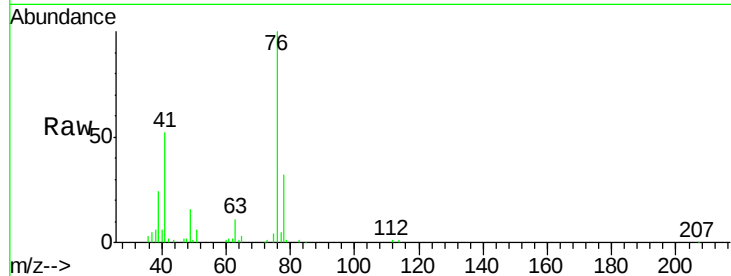
#57
 1,3-Dichloropropane
 Concen: 19.591 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion: 76 Resp: 104522
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0

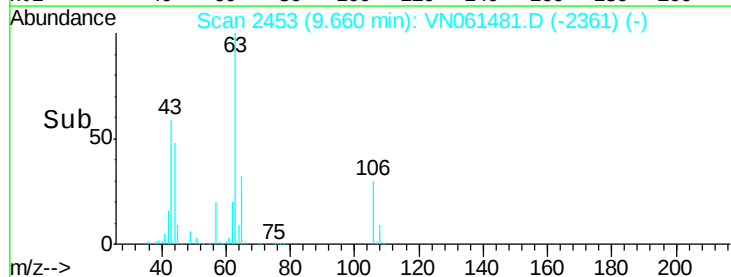
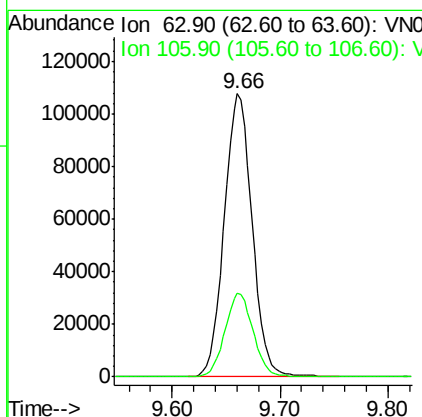
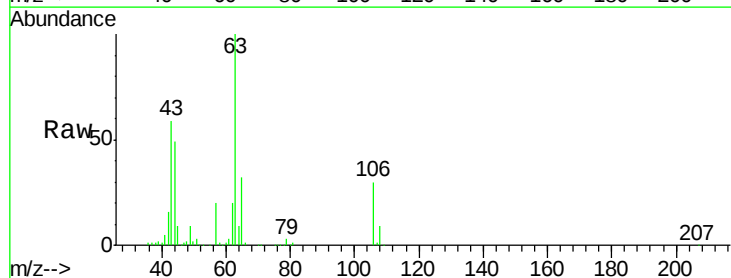
Manual Integrations
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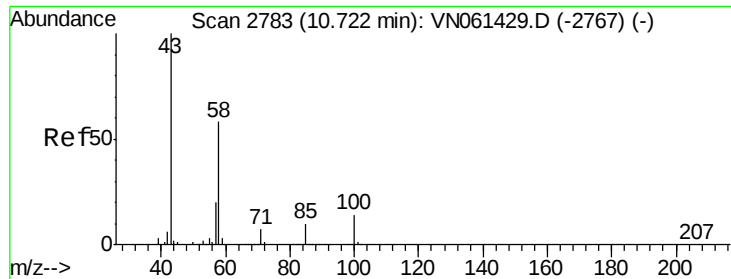
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 91.504 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 63 Resp: 193855
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.7 34.1





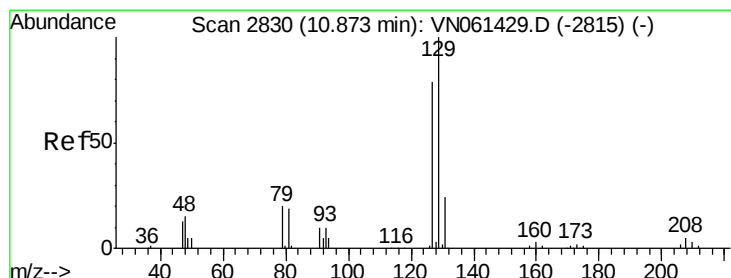
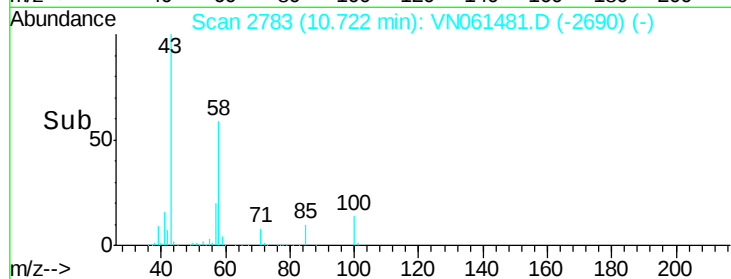
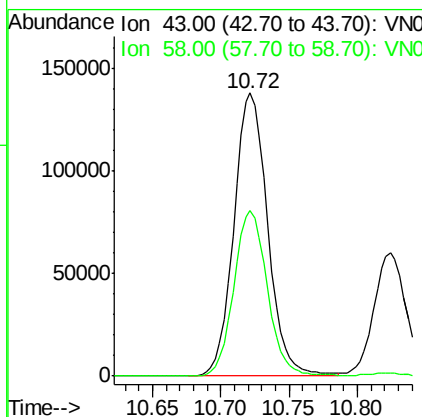
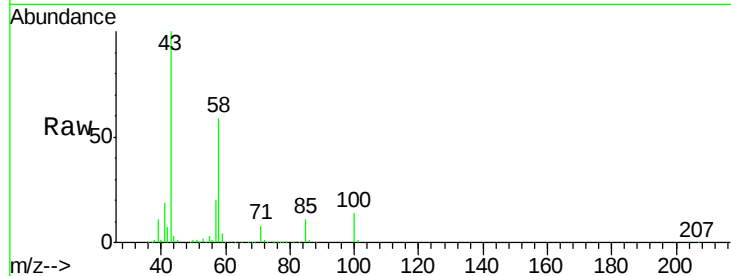
#59
2-Hexanone
Concen: 90.457 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	43	Resp	237998
Ion Ratio	43	100	
Lower	58	58.0	29.2
Upper			87.6

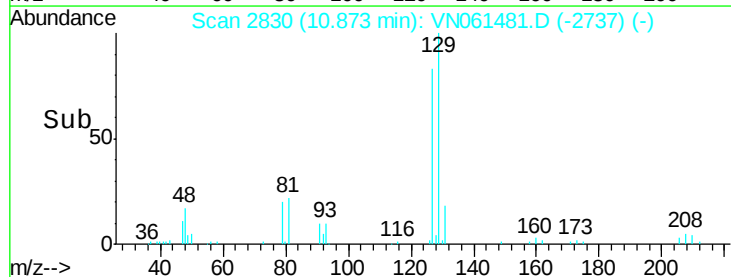
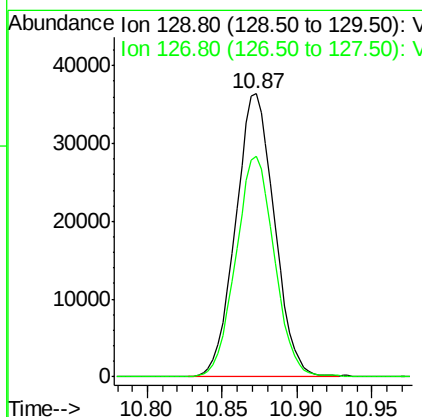
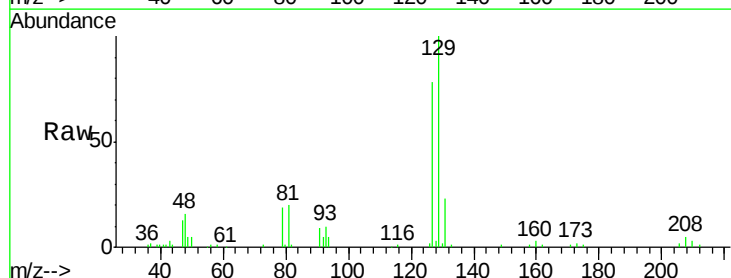
Manual Integrations
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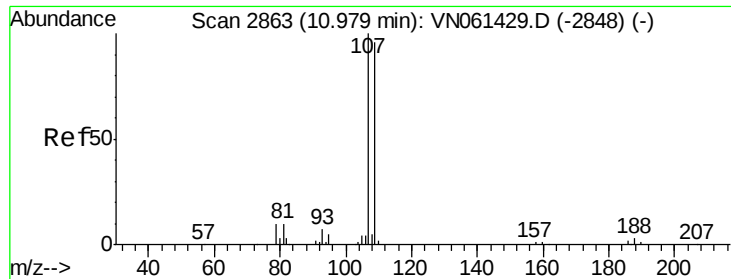
MMDadoda
5/21/2020 1:11:07 PM



#60
Dibromochloromethane
Concen: 19.276 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	129	Resp	65828
Ion Ratio	129	100	
Lower	127	77.1	38.8
Upper			116.3





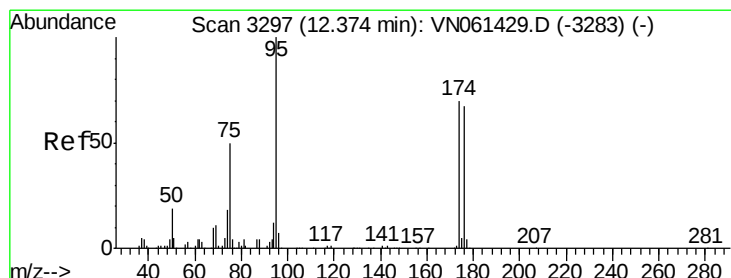
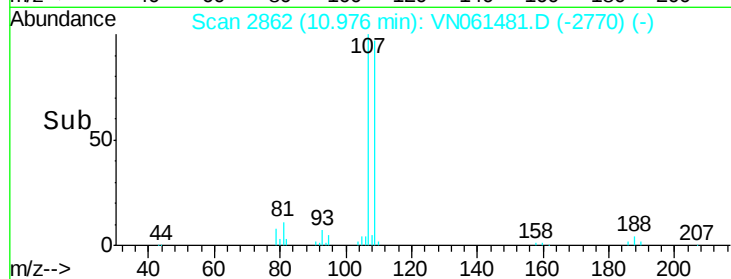
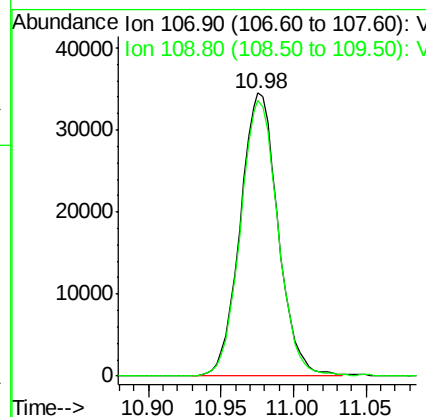
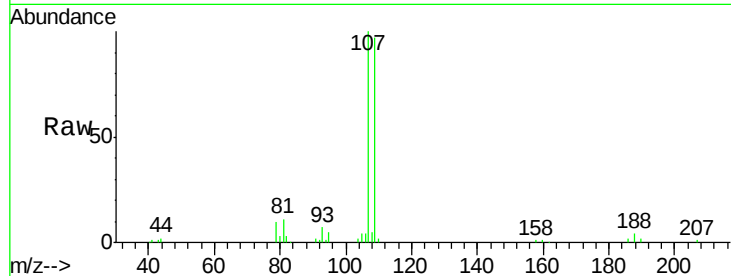
#61
 1,2-Dibromoethane
 Concen: 19.260 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	75.7	113.5

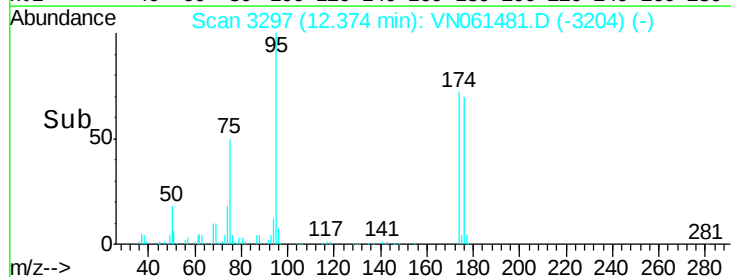
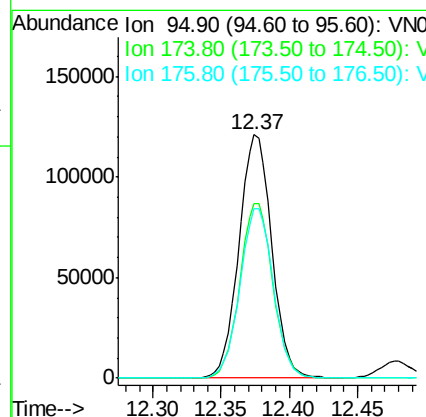
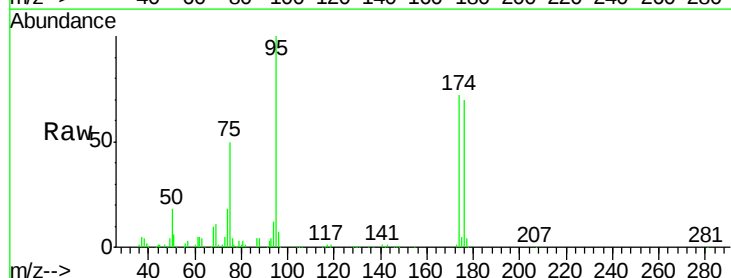
Manual Integrations
 APPROVED

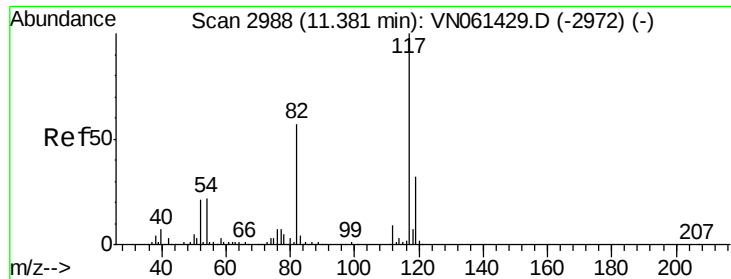
MMDadoda
 5/21/2020 1:11:07 PM



#62
 4-Bromofluorobenzene
 Concen: 49.373 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	141.2
176	70.6	0.0	137.6





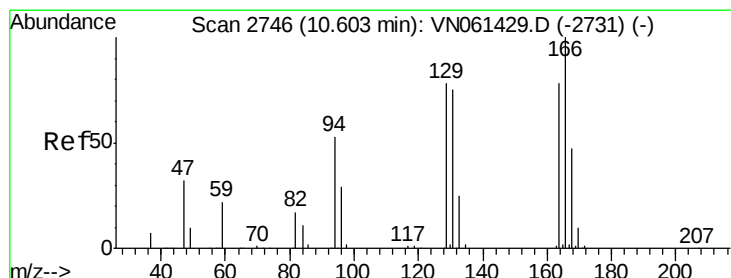
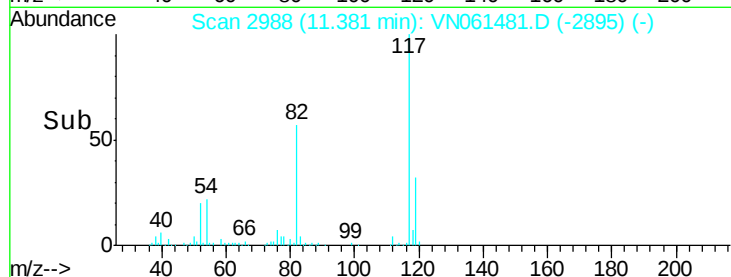
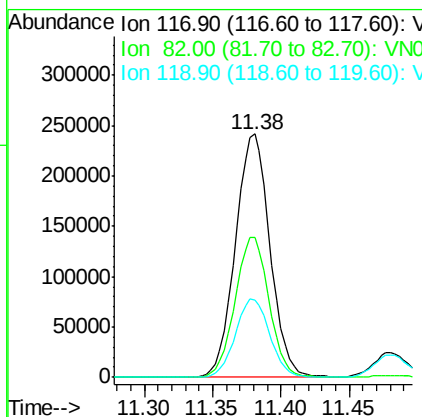
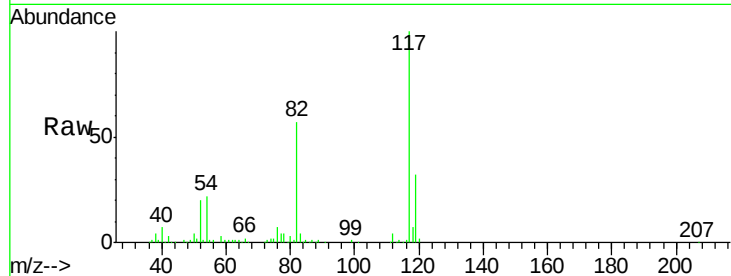
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.2	67.8
119	31.9	25.3	37.9

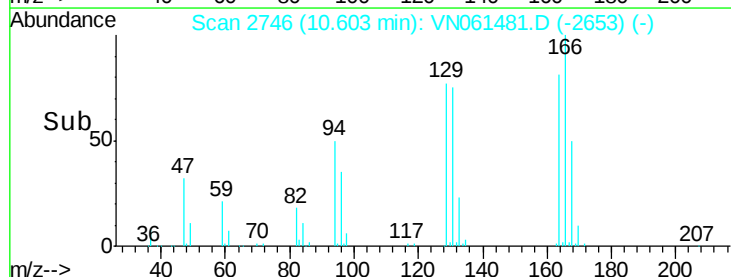
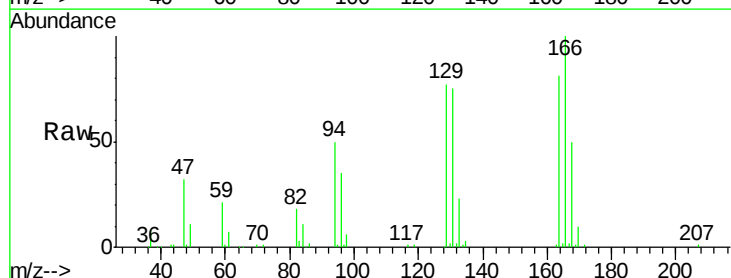
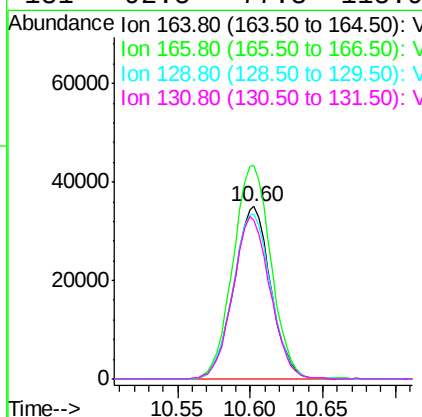
Manual Integrations
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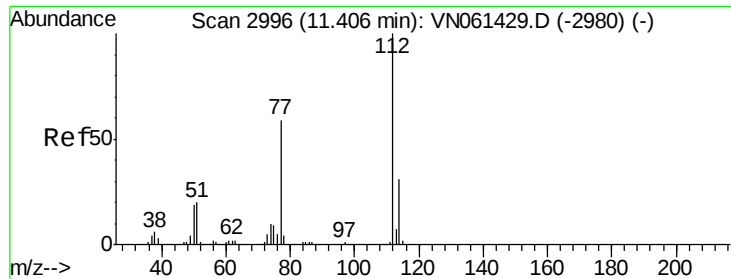
MMDadoda
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#64
Tetrachloroethene
Concen: 18.860 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	103.2	154.8
129	95.6	81.0	121.4
131	92.5	77.3	115.9





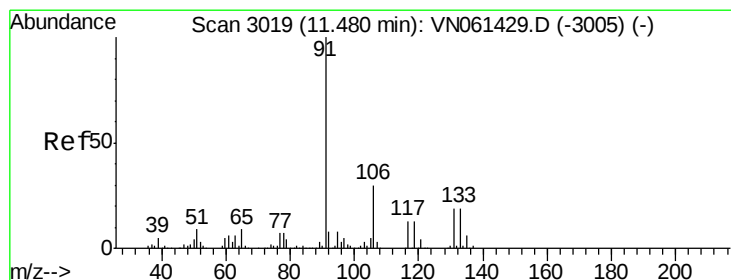
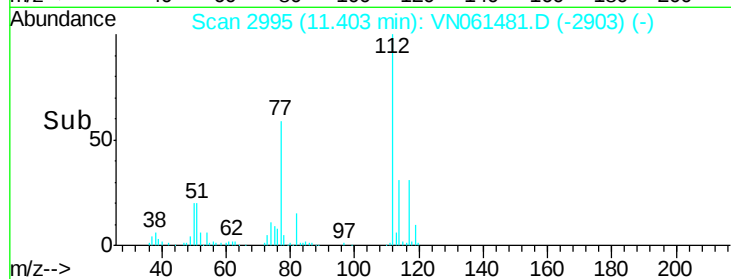
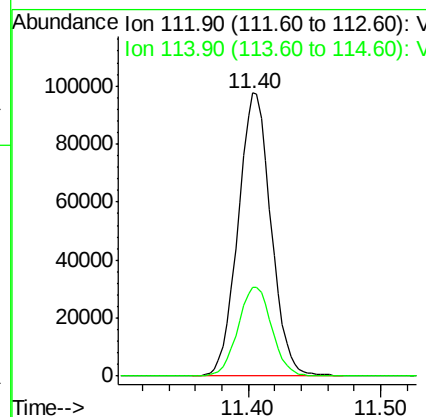
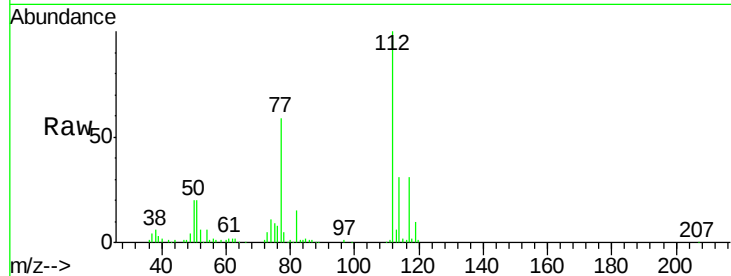
#65
Chlorobenzene
Concen: 19.438 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion:112 Resp: 168309
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6

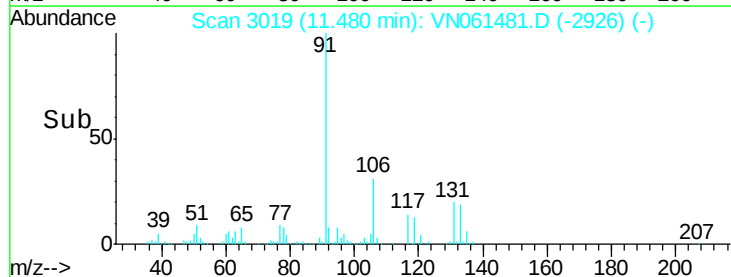
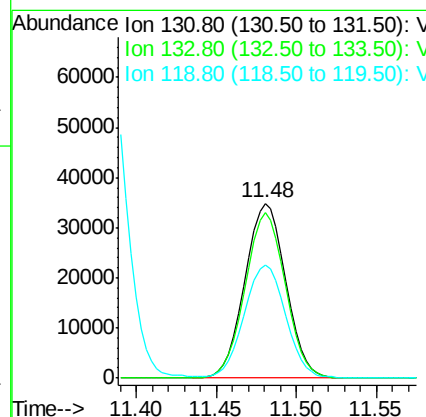
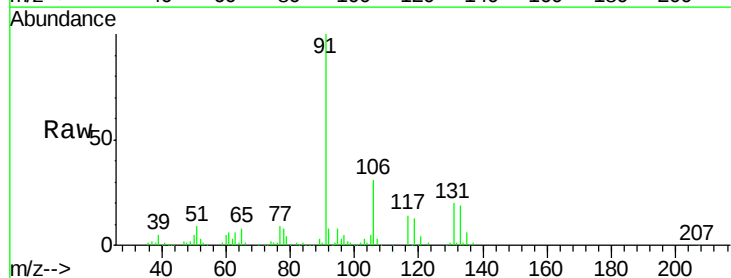
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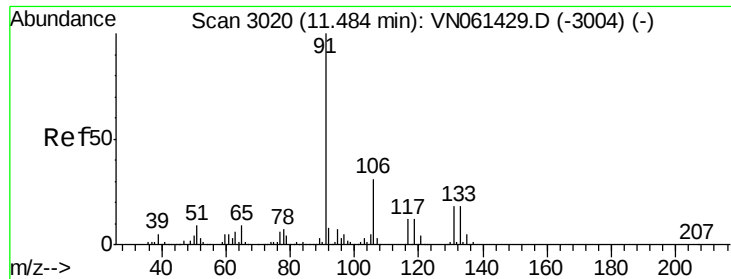
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.555 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion:131 Resp: 60704
Ion Ratio Lower Upper
131 100
133 93.5 48.7 146.1
119 65.8 33.8 101.3





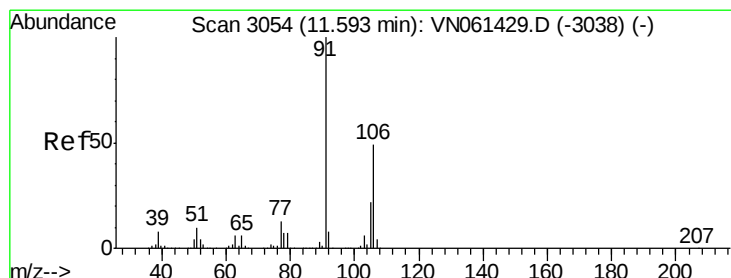
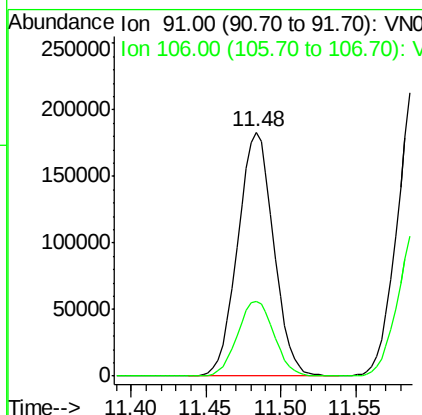
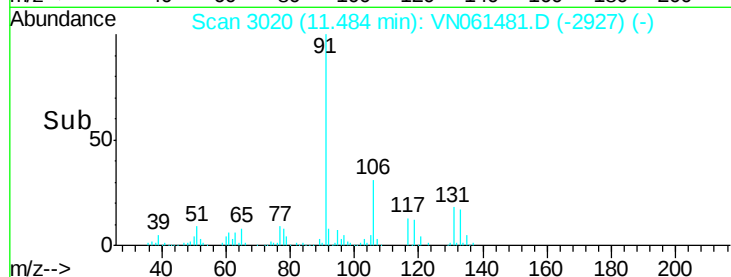
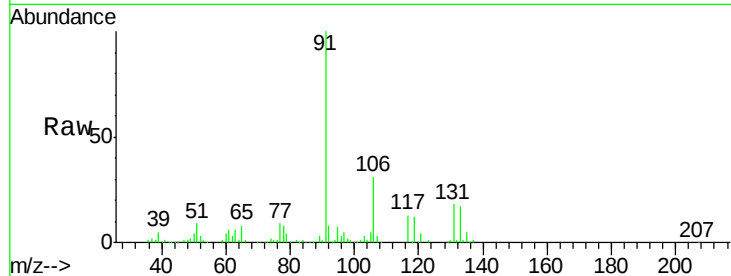
#67
Ethyl Benzene
Concen: 19.314 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.6	36.8

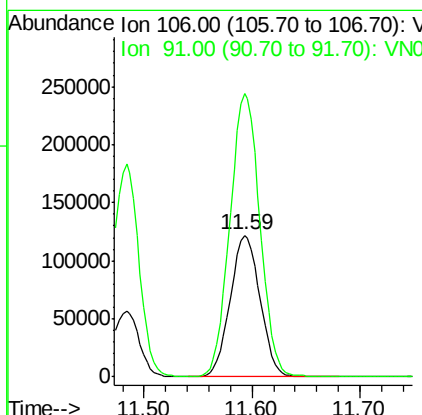
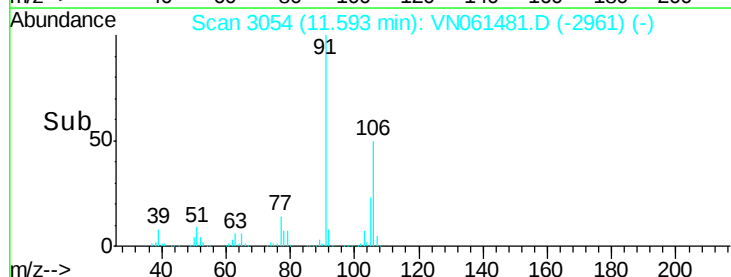
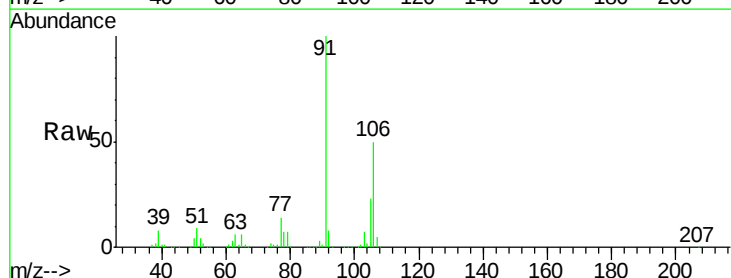
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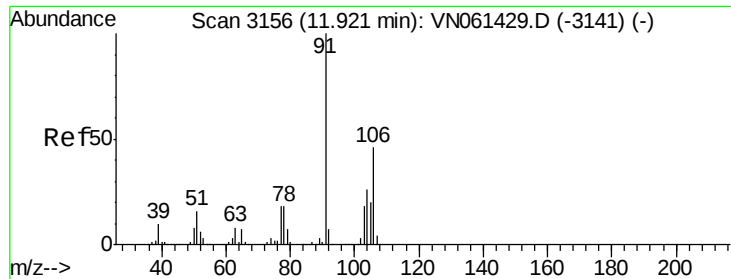
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#68
m/p-Xylenes
Concen: 39.258 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.0	163.0	244.6





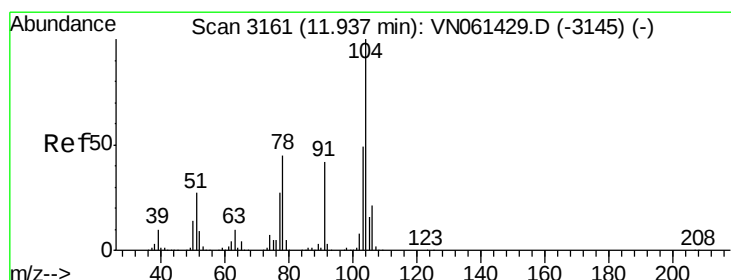
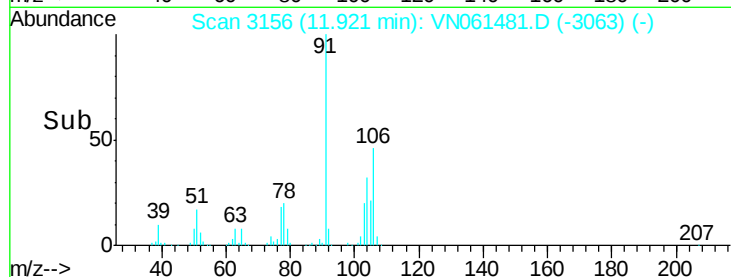
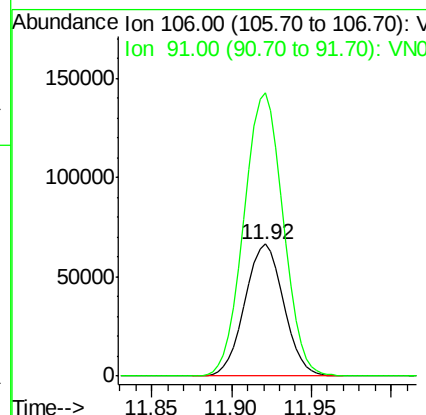
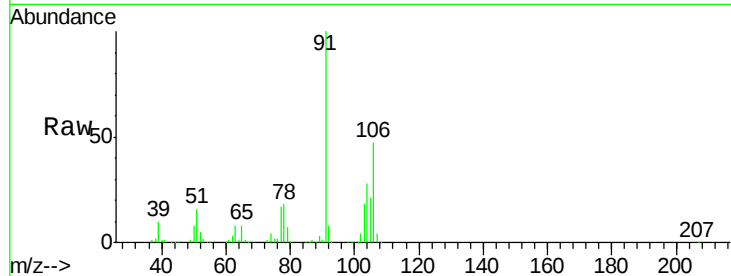
#69
o-Xylene
Concen: 19.031 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.6	107.9	323.7		

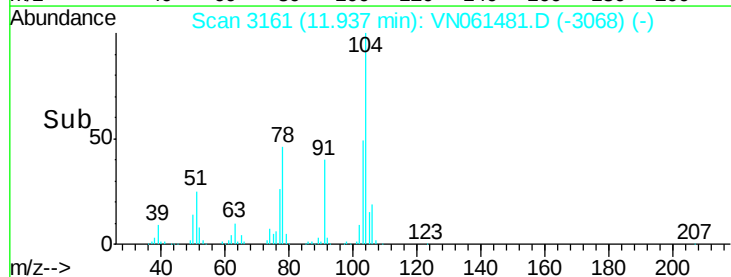
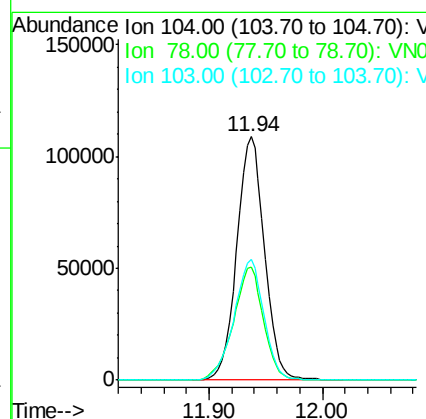
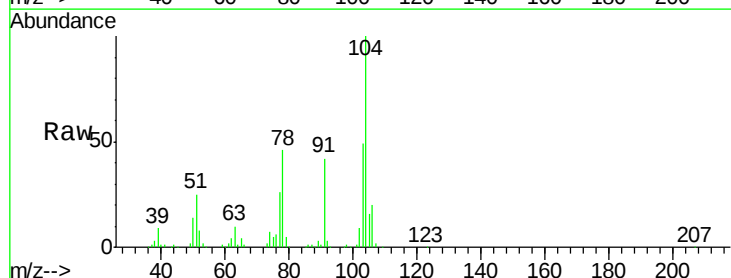
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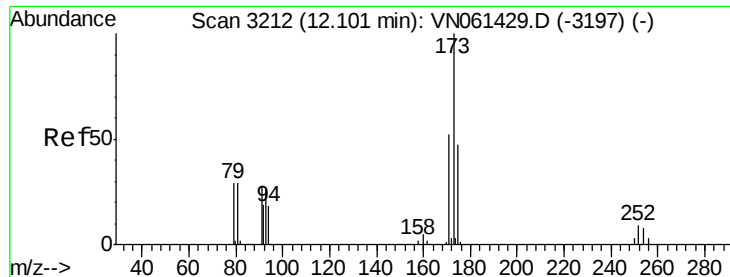
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#70
Styrene
Concen: 19.361 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	50.1	40.7	61.1		
103	53.3	43.0	64.4		





#71

Bromoform

Concen: 18.445 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion:173 Resp: 41317

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.8

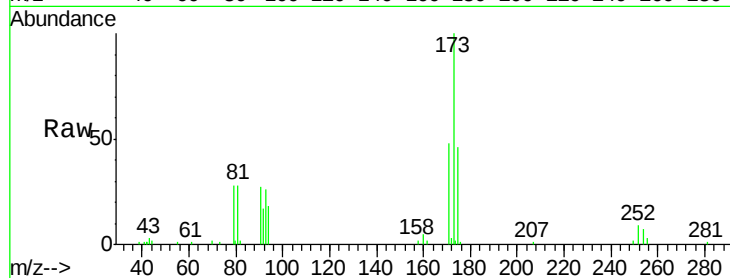
254 0.0 0.0 0.0

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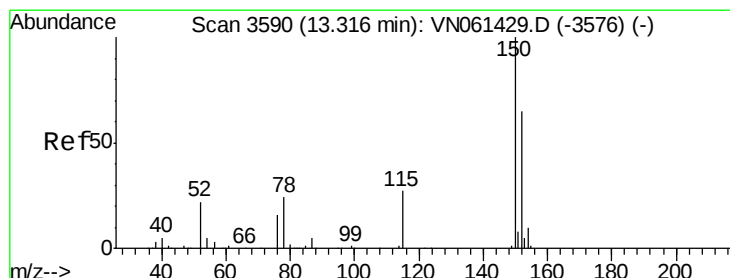
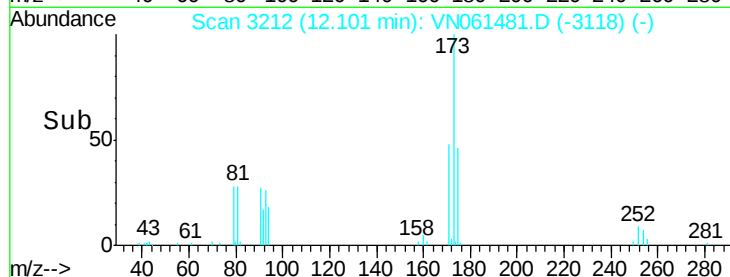
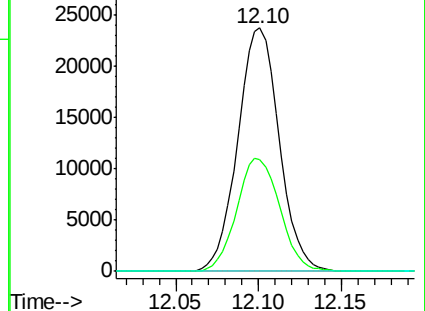
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

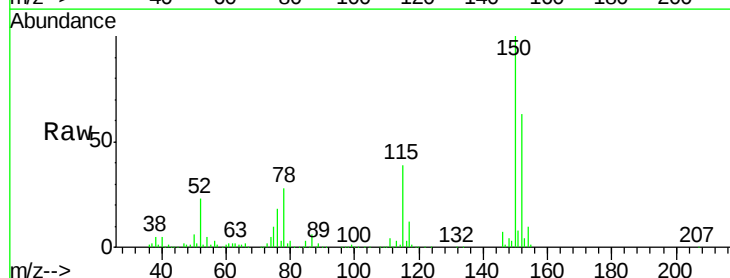
Tgt Ion:152 Resp: 196228

Ion Ratio Lower Upper

152 100

115 61.3 30.9 92.5

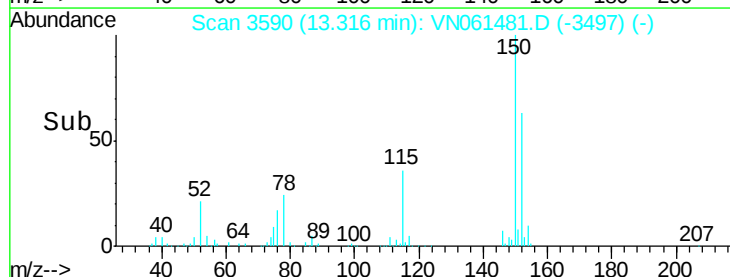
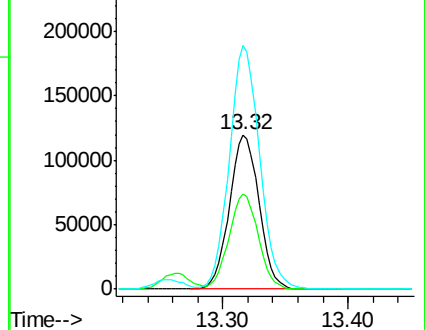
150 161.9 0.0 349.2

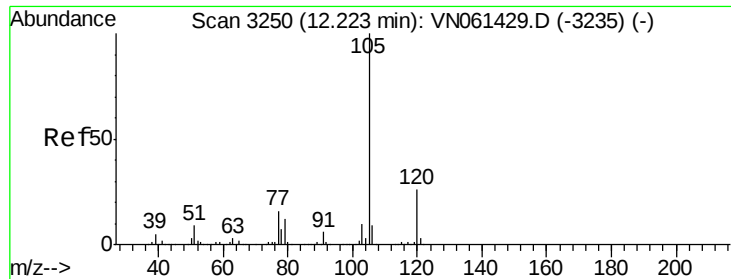


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.817 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion:105 Resp: 296429

Ion Ratio Lower Upper

105 100

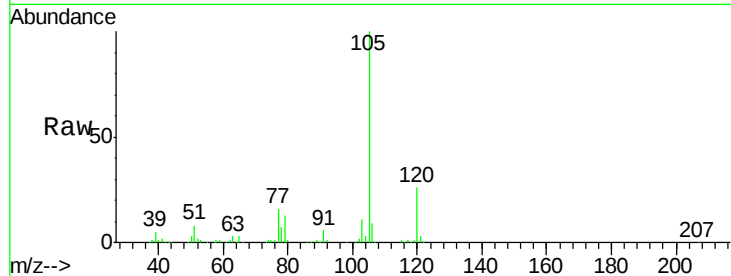
120 25.9 13.0 39.0

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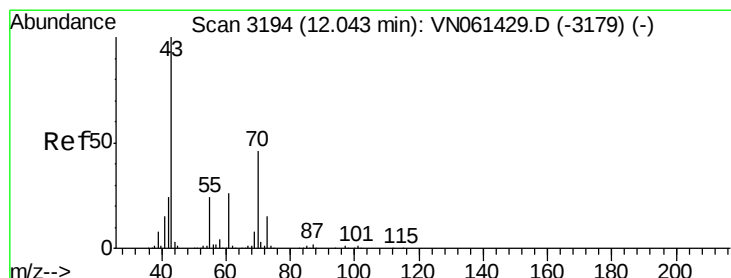
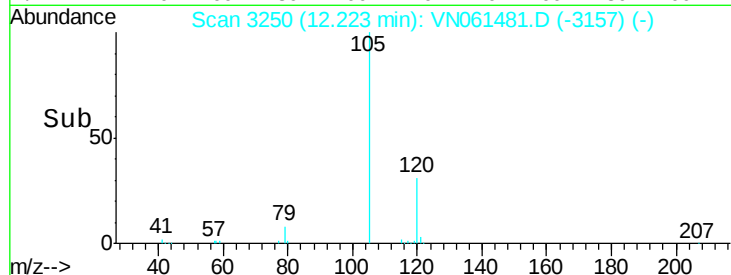
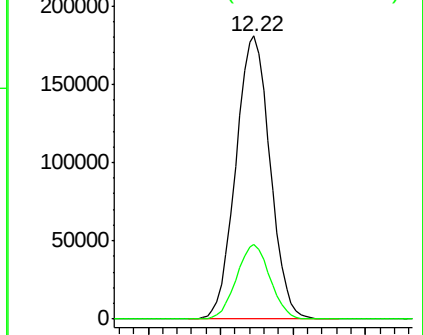
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.975 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Tgt Ion: 43 Resp: 97882

Ion Ratio Lower Upper

43 100

70 48.9 37.0 55.4

55 25.8 19.5 29.3

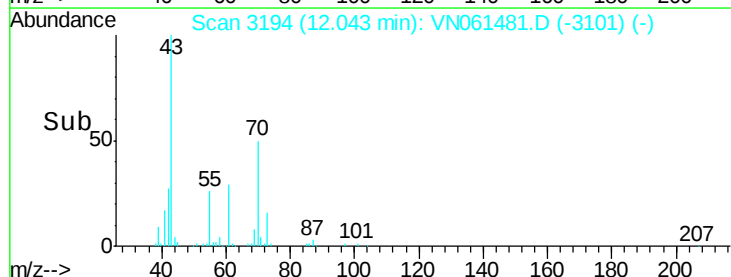
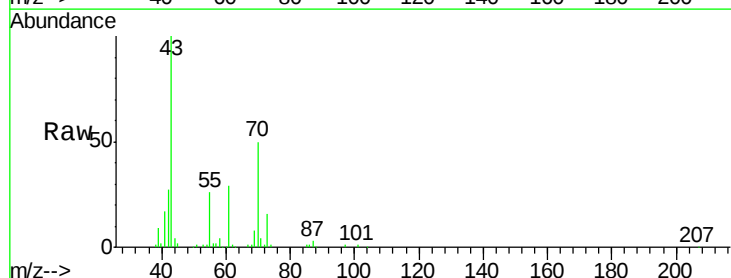
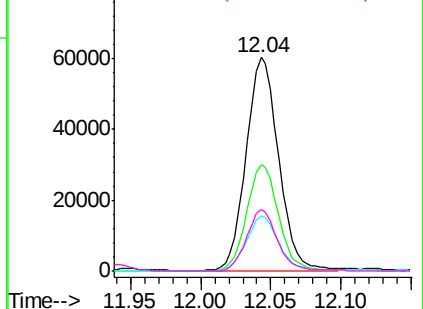
61 26.9 20.8 31.2

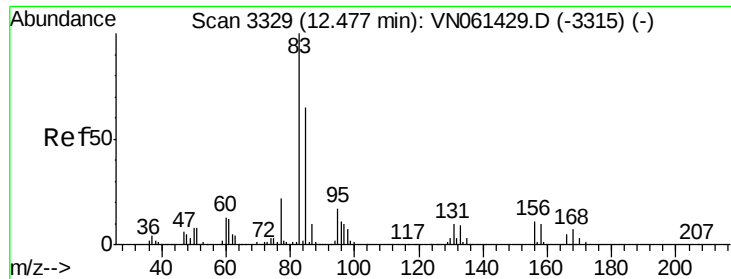
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.133 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

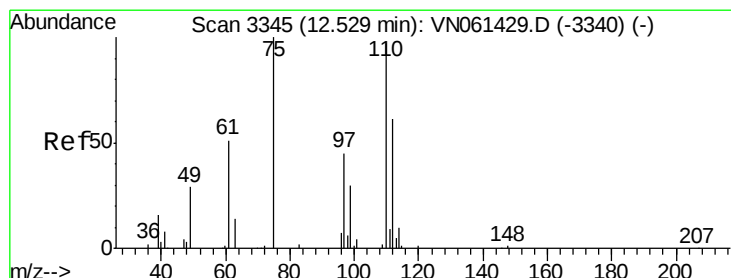
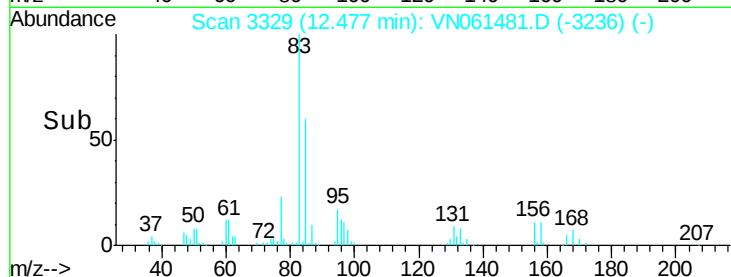
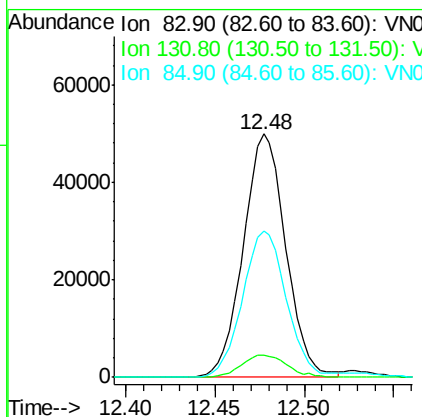
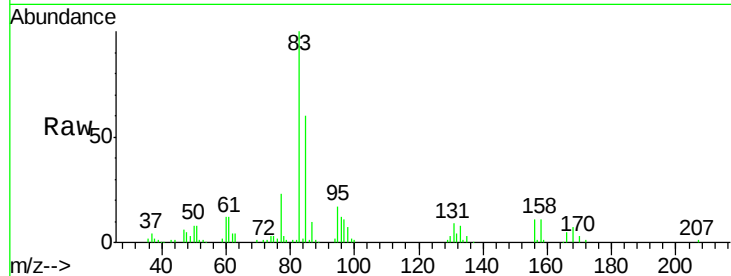
ClientSampleId :

VN0519MBSD01

Tot Ion:	83	Resp:	82926
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.4
85	61.8	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.161 ug/l m

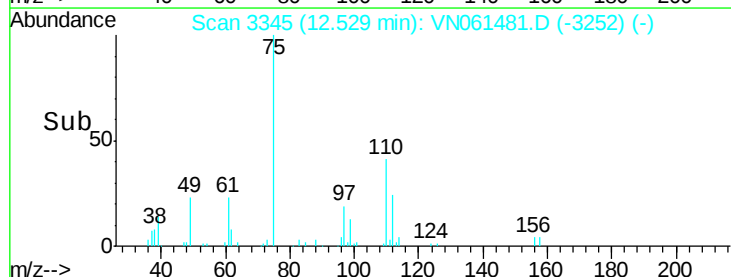
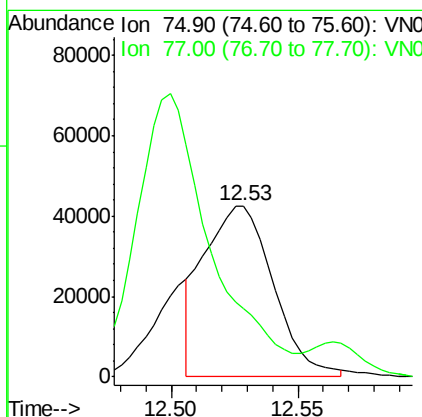
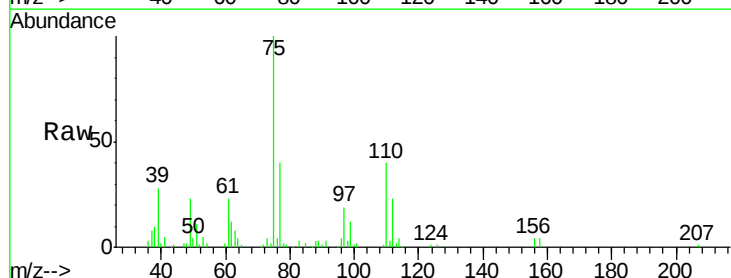
RT: 12.53 min Scan# 3345

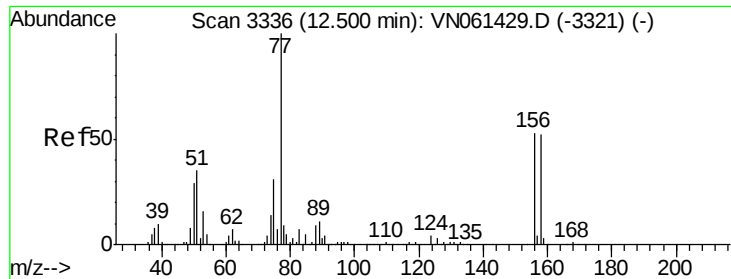
Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Tgt Ion:	75	Resp:	80677
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.524 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

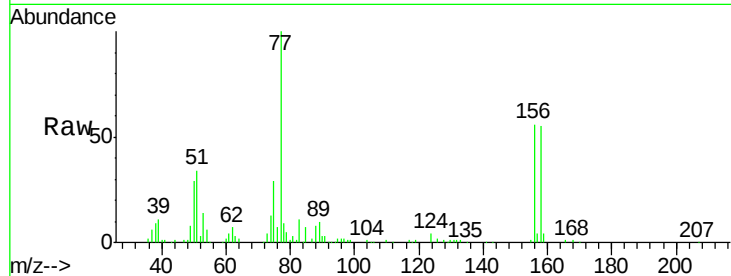
ClientSampleId :

VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.5	112.3	336.9
158	97.8	47.9	143.6

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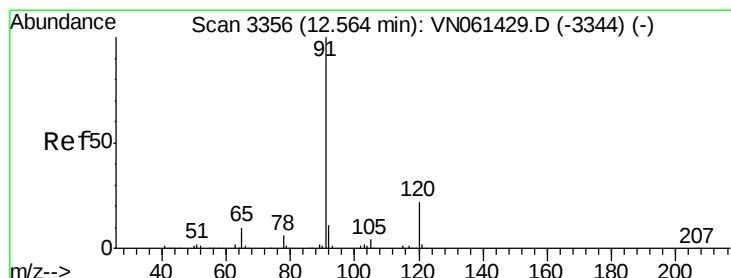
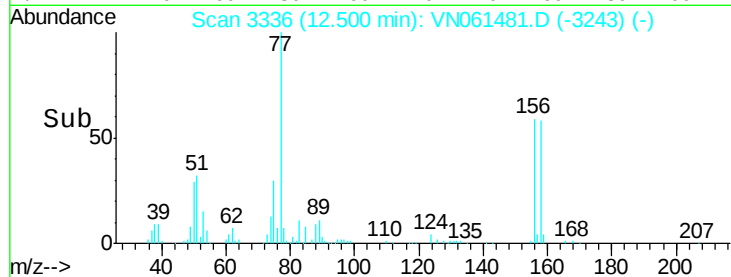
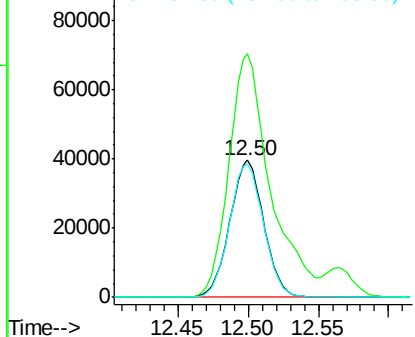
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.863 ug/l

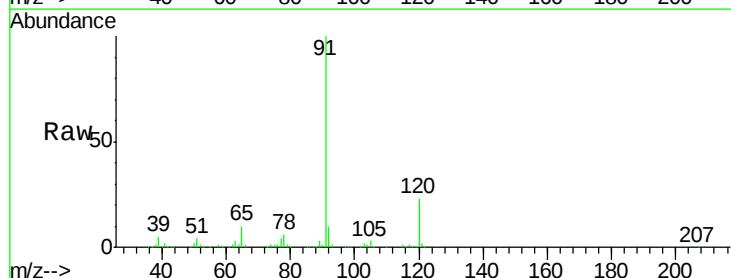
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061481.D

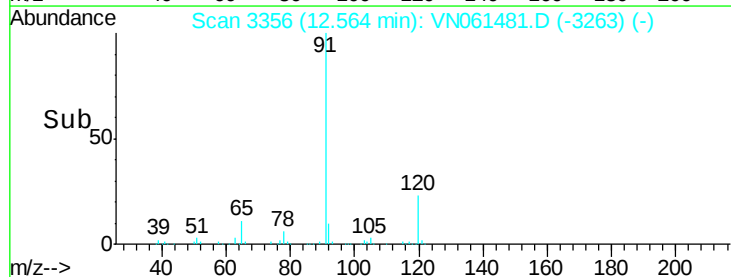
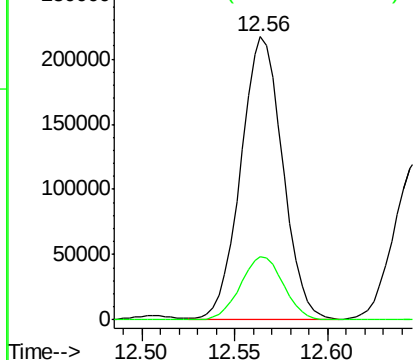
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.883 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion: 91 Resp: 200340

Ion Ratio Lower Upper

91 100

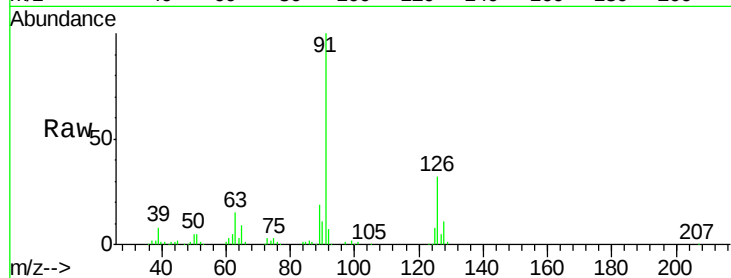
126 32.6 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN061481.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061481.D (-3382) (-)

250000

200000

150000

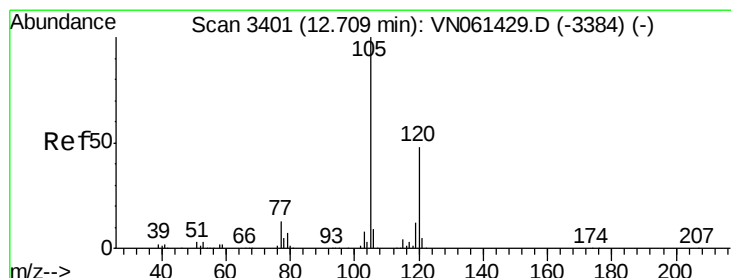
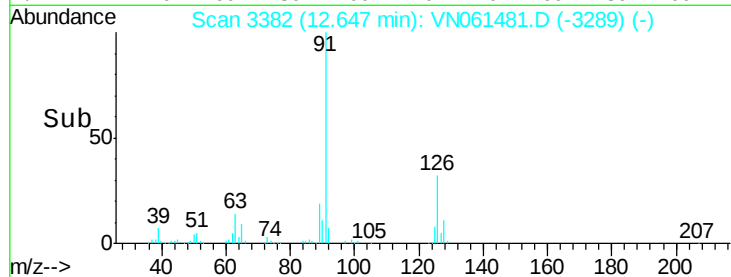
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.866 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061481.D

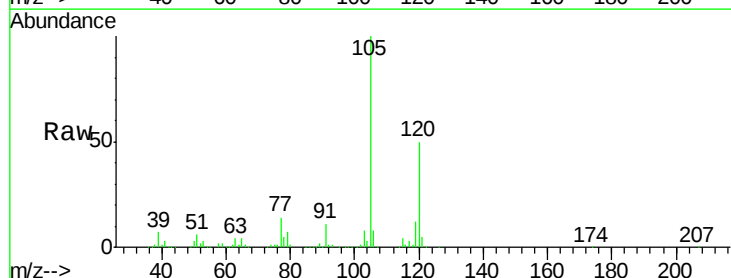
Acq: 19 May 2020 14:23

Tgt Ion: 105 Resp: 243349

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061481.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061481.D (-3384) (-)

150000

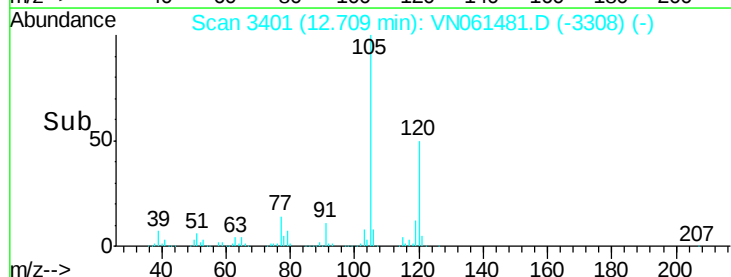
100000

50000

0

12.65 12.70 12.75

Time-->





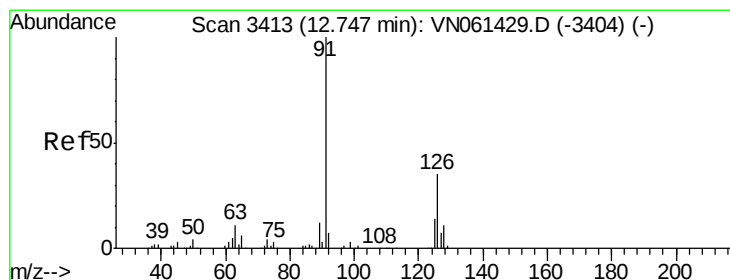
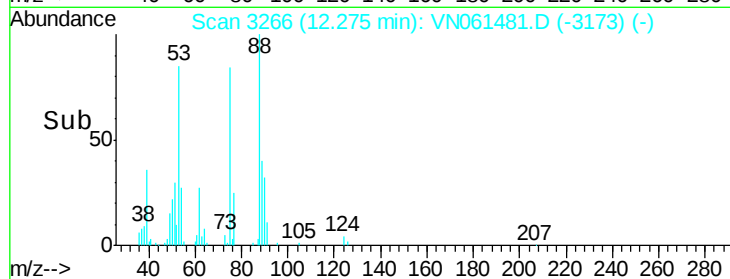
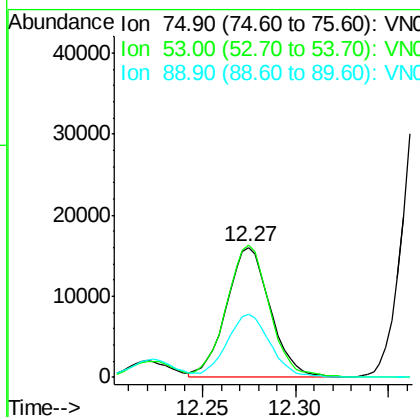
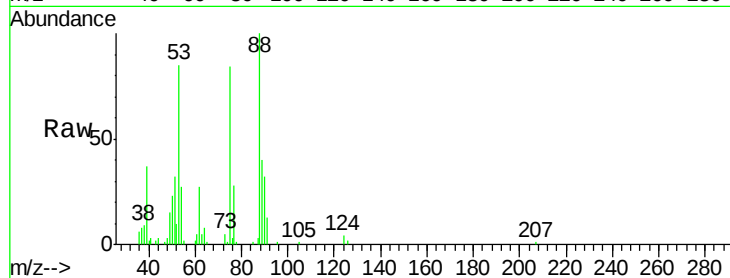
#81
trans-1,4-Dichloro-2-butene
Concen: 16.621 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	75.2	112.8
89	47.9	38.2	57.4

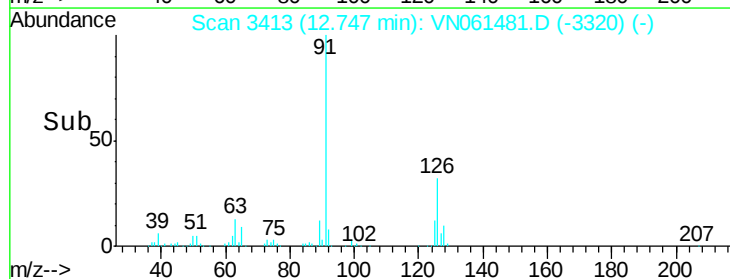
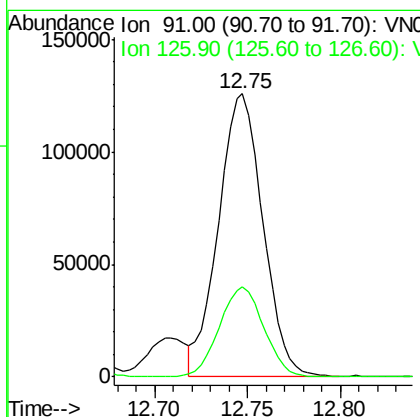
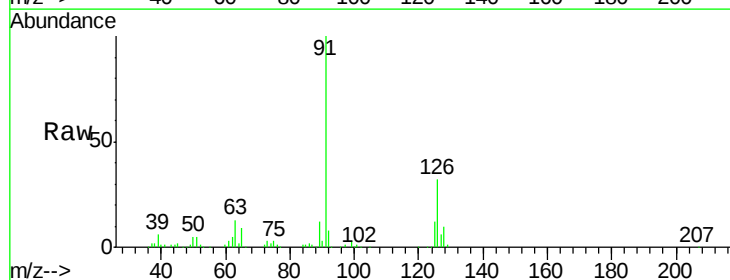
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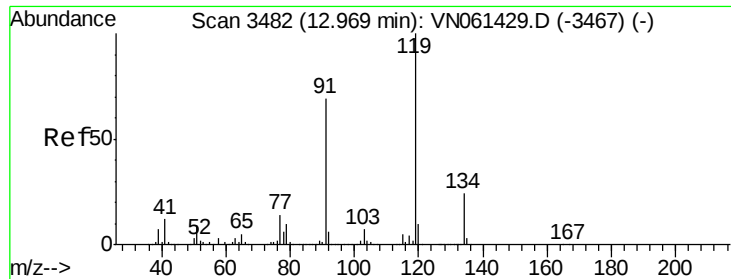
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#82
4-Chlorotoluene
Concen: 18.954 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.2





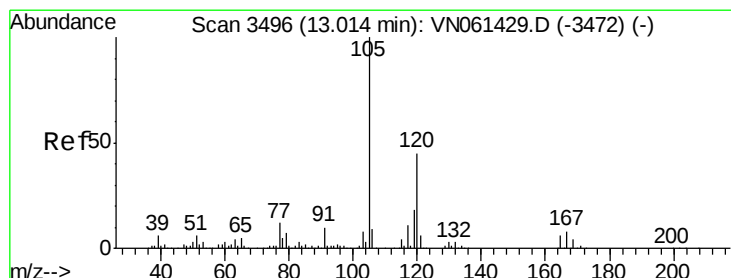
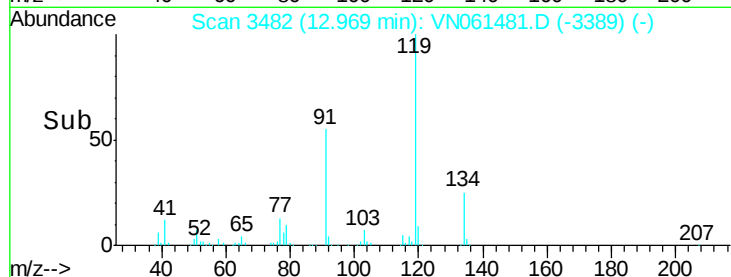
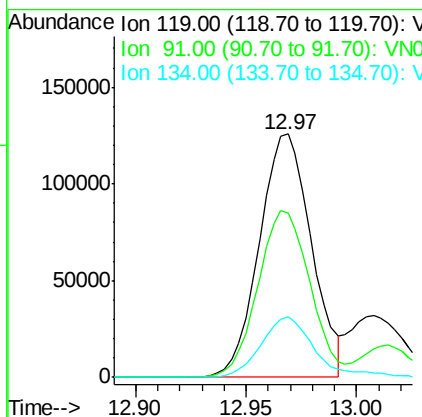
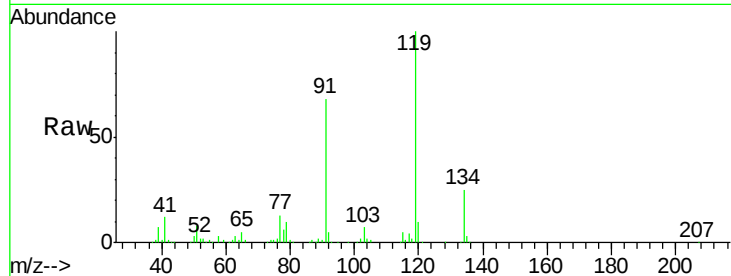
#83
 tert-Butylbenzene
 Concen: 18.653 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	33.7	101.0
134	25.7	12.8	38.3

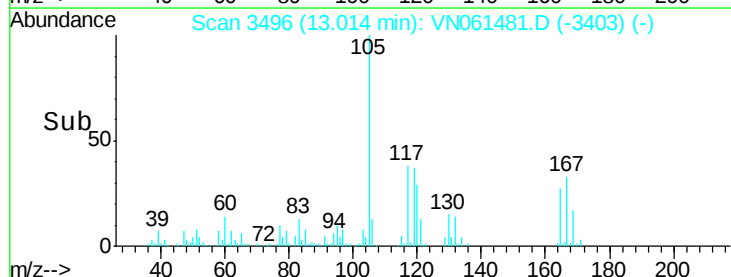
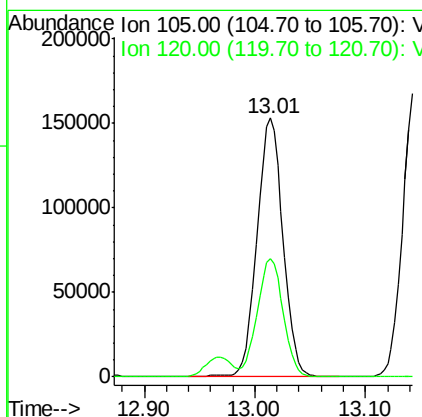
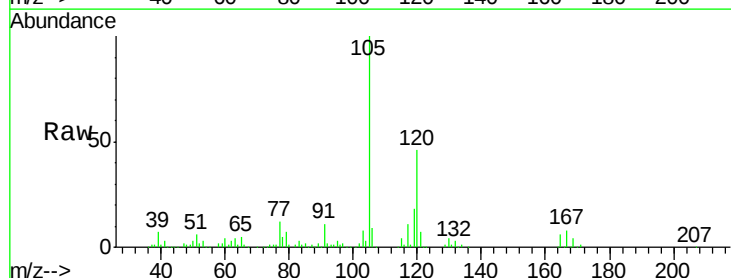
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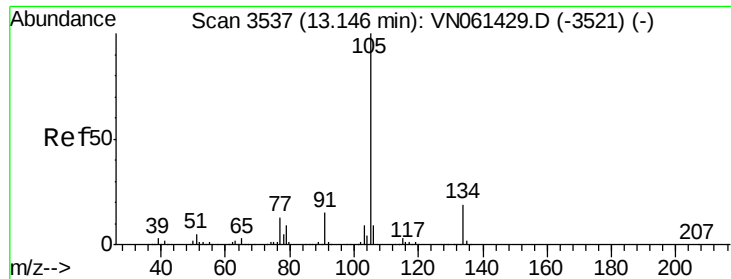
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.361 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 18.802 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBSD01

Tot Ion:105 Resp: 280904

Ion Ratio Lower Upper

105 100

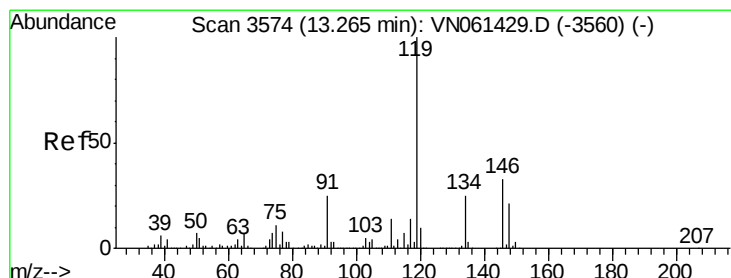
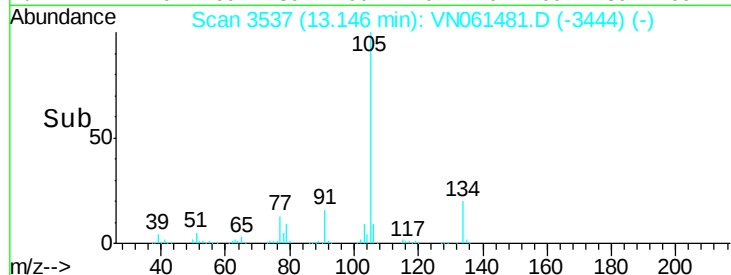
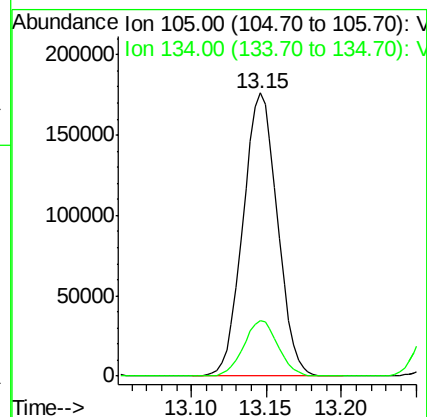
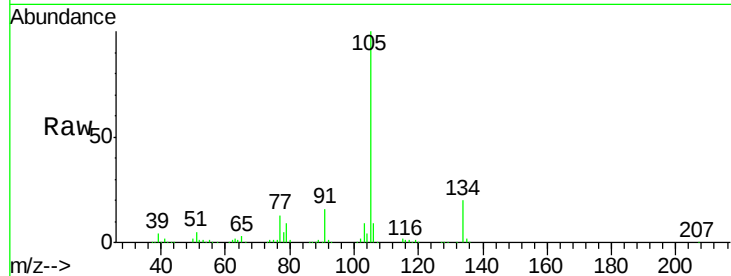
134 19.6 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 18.946 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

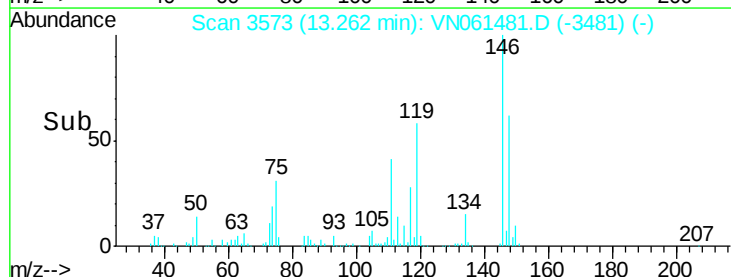
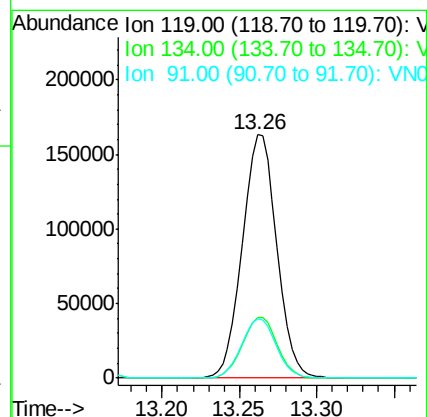
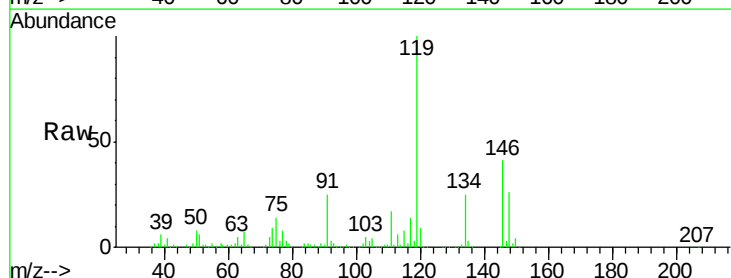
Tgt Ion:119 Resp: 251342

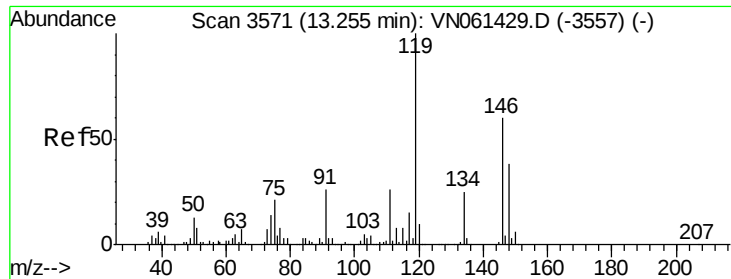
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 24.7 12.6 37.6





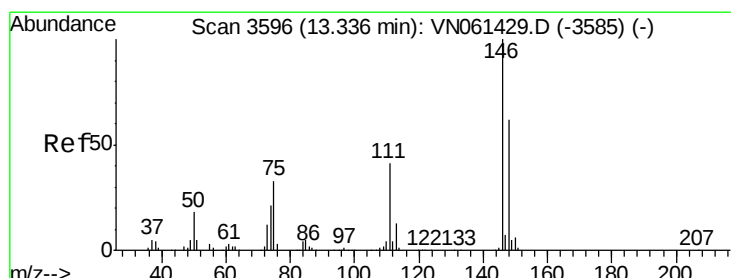
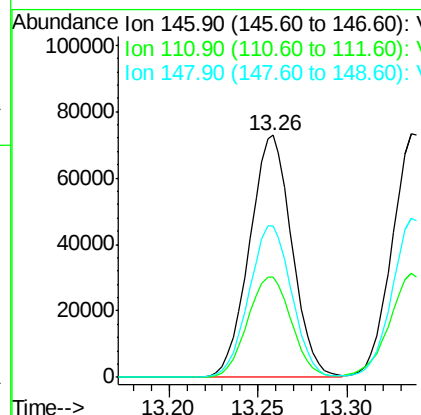
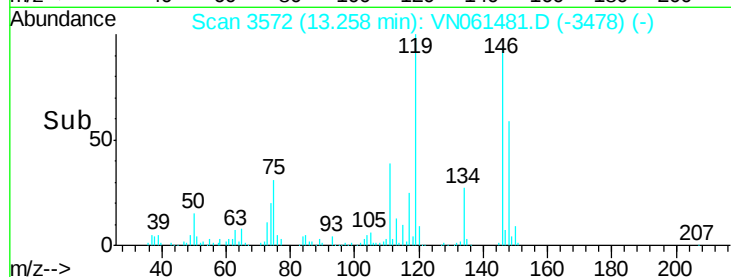
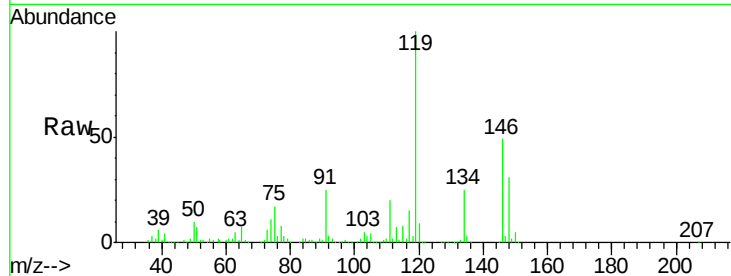
#87
 1,3-Dichlorobenzene
 Concen: 19.390 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121318		
111	42.9	21.5	64.5	
148	63.1	31.8	95.3	

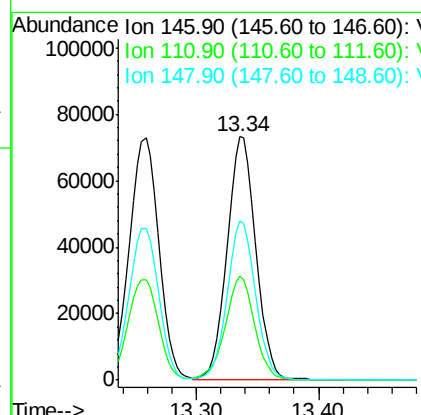
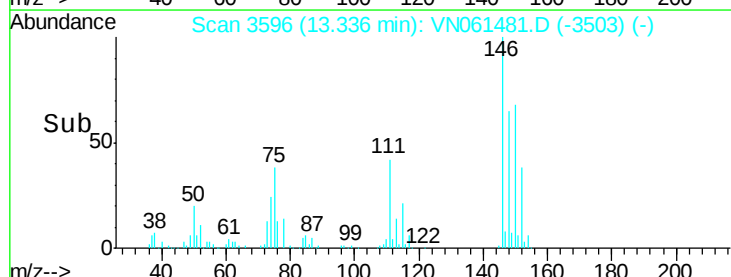
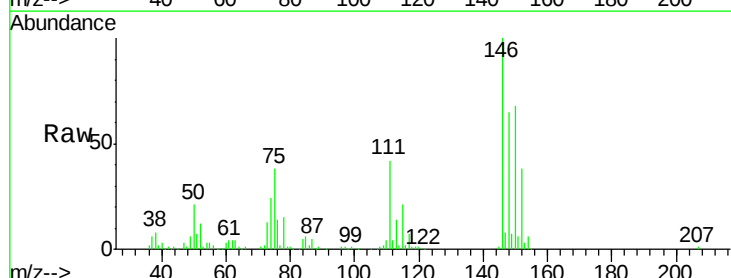
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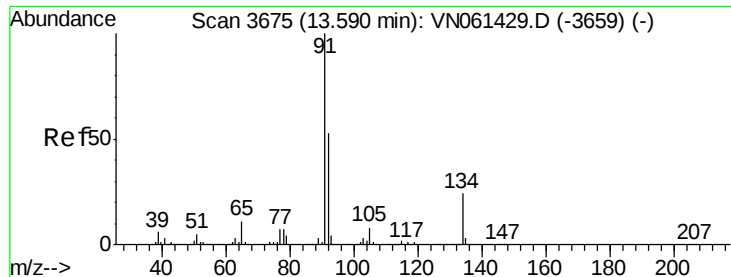
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#88
 1,4-Dichlorobenzene
 Concen: 19.413 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121643		
111	43.6	20.8	62.5	
148	64.8	31.6	94.8	





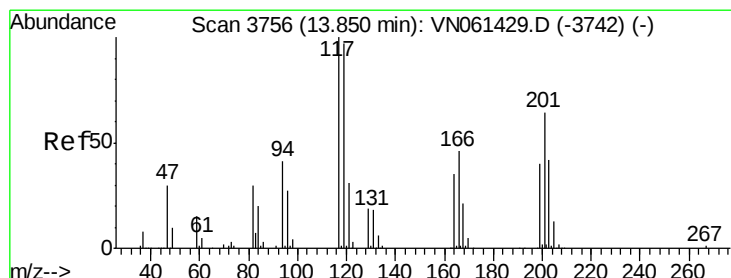
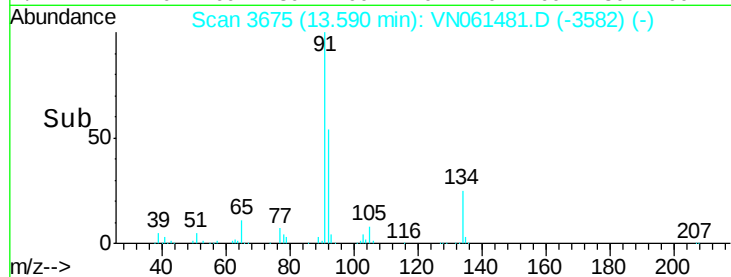
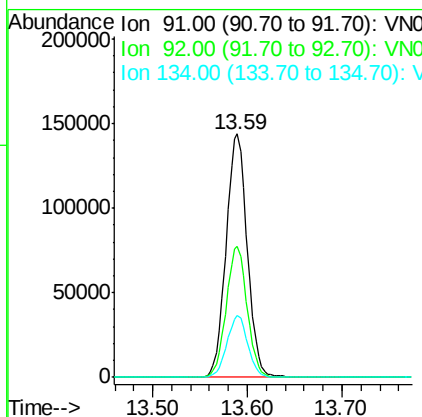
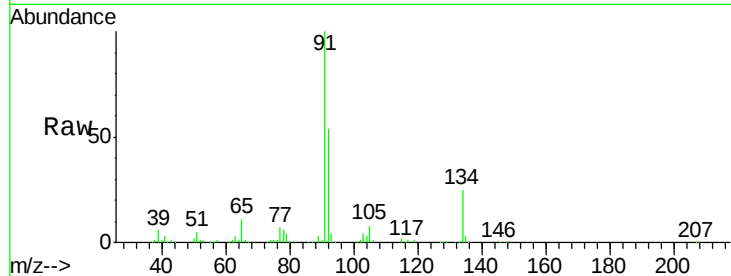
#89
n-Butylbenzene
Concen: 18.593 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	25.0	12.4	37.4

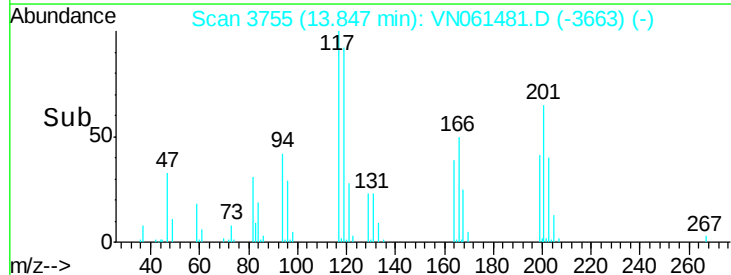
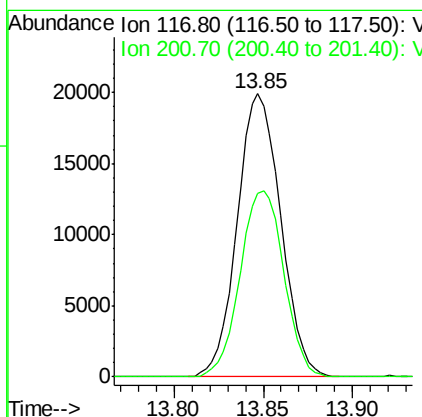
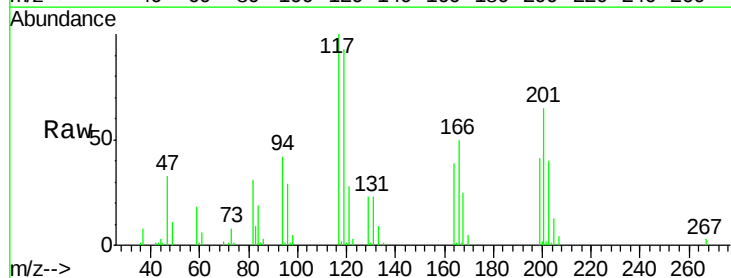
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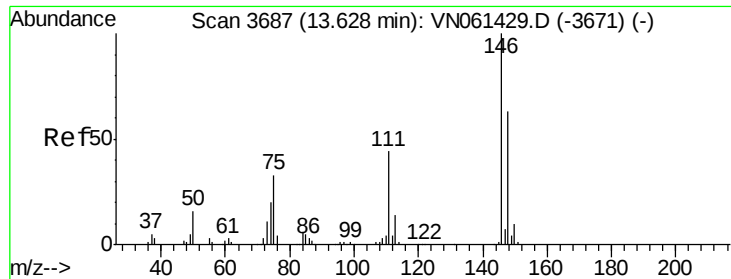
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#90
Hexachloroethane
Concen: 18.808 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.2	32.9	98.7





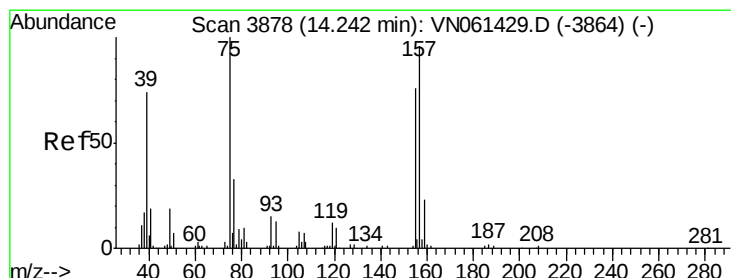
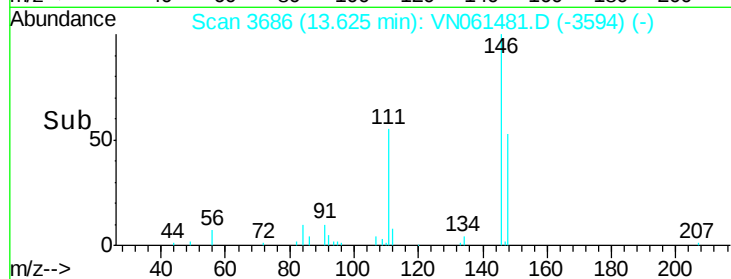
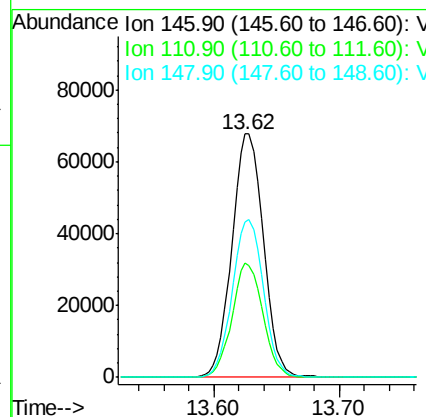
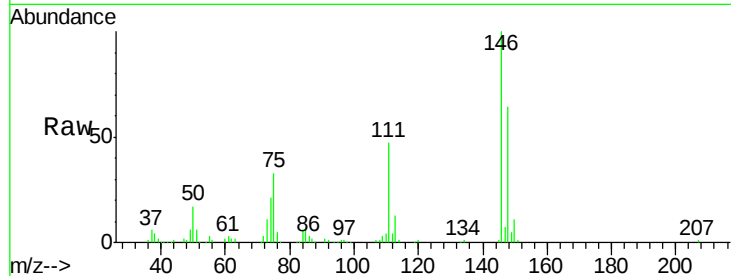
#91
 1,2-Dichlorobenzene
 Concen: 19.706 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.9	65.7
148	64.3	31.6	94.7

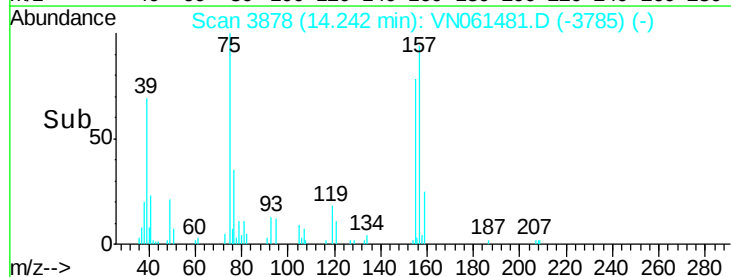
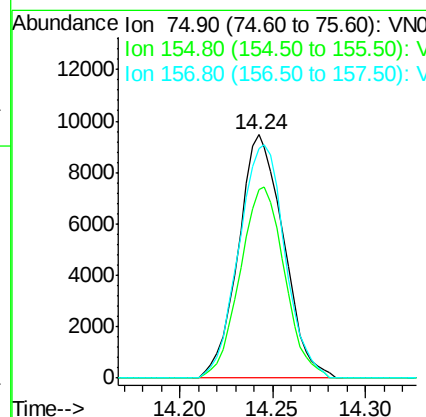
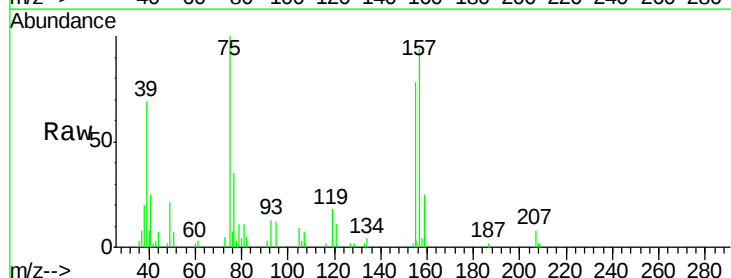
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.335 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.9	116.7
157	97.5	48.6	145.8





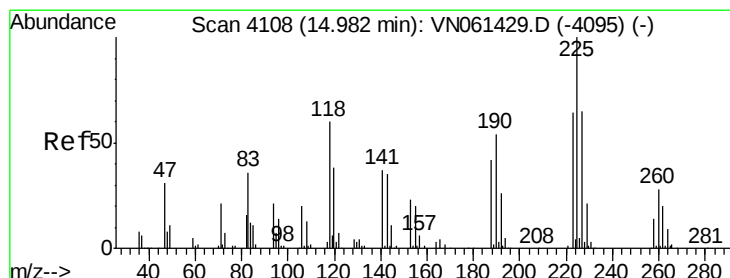
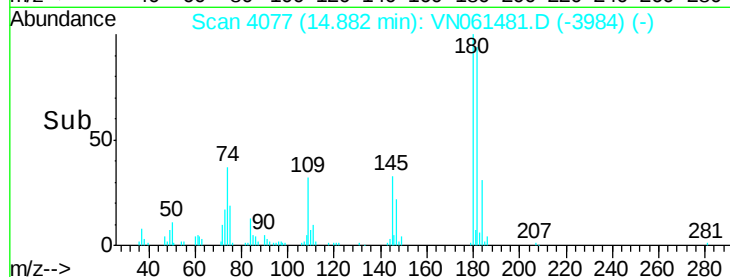
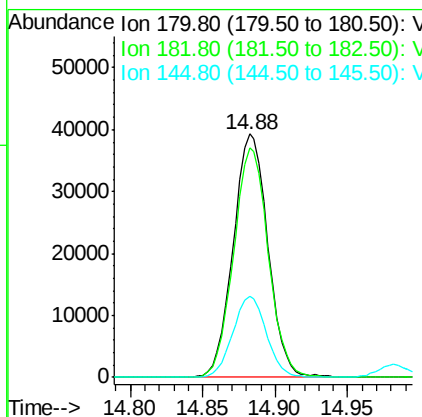
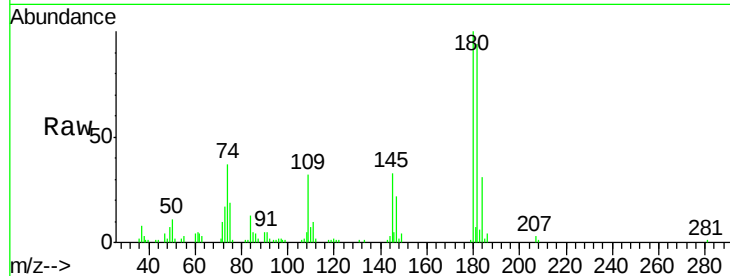
#93
 1,2,4-Trichlorobenzene
 Concen: 20.062 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65288		
182	94.3		47.0	141.0
145	32.1		16.7	50.0

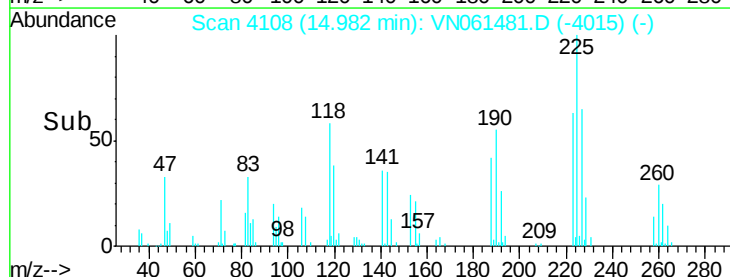
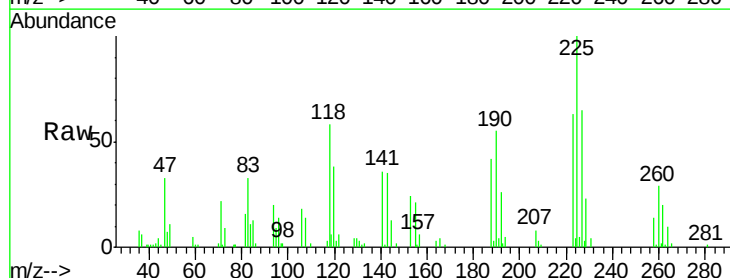
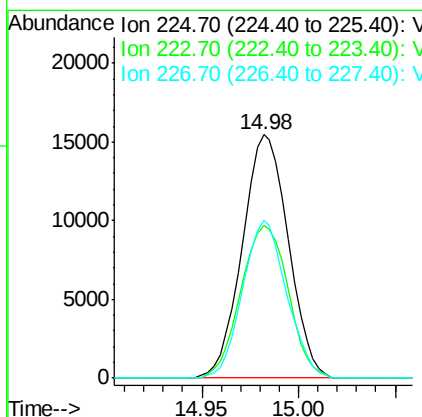
Manual Integrations
 APPROVED

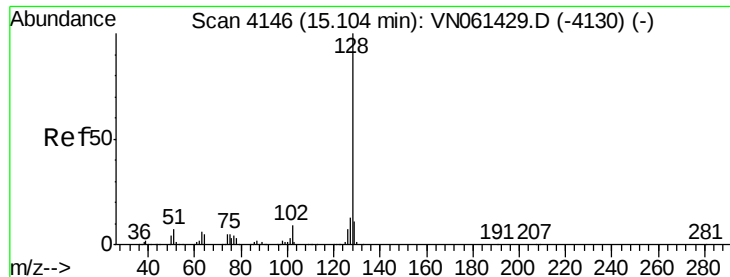
MMDadoda
 5/21/2020 1:11:07 PM



#94
 Hexachlorobutadiene
 Concen: 17.669 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25548		
223	64.7		31.9	95.7
227	61.9		31.5	94.5





#95

Naphthalene

Concen: 20.120 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

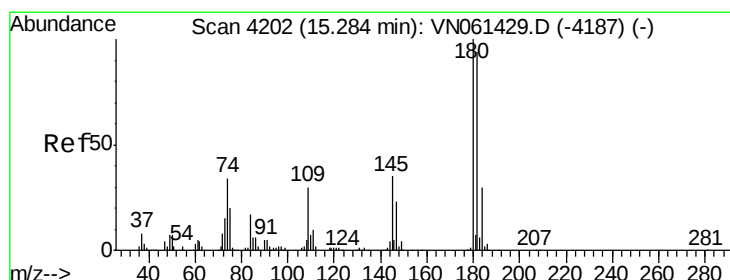
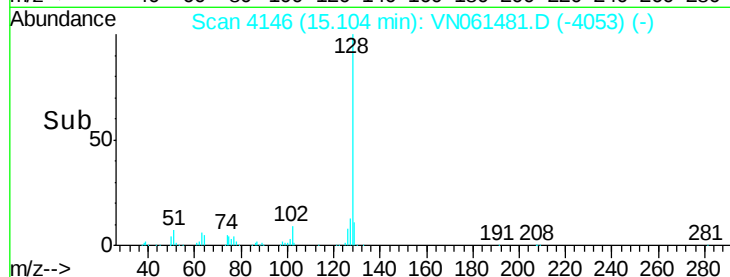
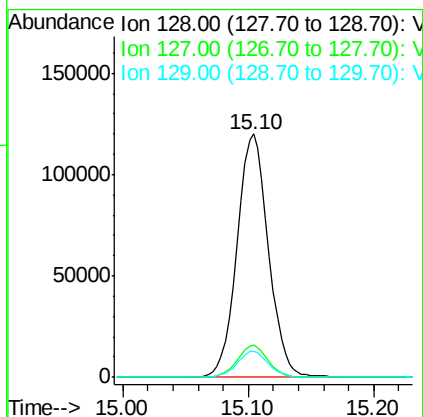
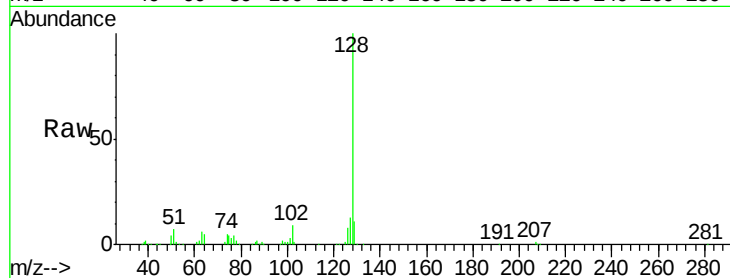
ClientSampleId :

VN0519MBS01

Tot Ion:	128	Resp:	208160
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:11:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.007 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Tgt Ion:	180	Resp:	64816
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.8	143.3
145	34.5	17.3	51.9

