

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061431.D
 Acq On : 18 May 2020 12:47
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

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 5/19/2020 4:25:41 PM

Quant Time: May 18 13:07:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	340391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	609985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	577565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	286007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	747265	143.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.10%	
35) Dibromofluoromethane	7.55	113	430990	140.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.24%	
50) Toluene-d8	10.06	98	2340762	154.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.28%	
62) 4-Bromofluorobenzene	12.37	95	906490	162.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	324.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	456338	165.711	ug/l	100
3) Chloromethane	2.03	50	580678	107.969	ug/l	99
4) Vinyl Chloride	2.16	62	887517	107.716	ug/l	99
5) Bromomethane	2.52	94	469522	105.157	ug/l	98
6) Chloroethane	2.66	64	575444	98.447	ug/l	98
7) Trichlorofluoromethane	2.98	101	1075165	106.312	ug/l	98
8) Diethyl Ether	3.37	74	339769	149.053	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	496811	154.208	ug/l	100
10) Methyl Iodide	3.91	142	613709	153.032	ug/l	99
11) Tert butyl alcohol	4.73	59	392122	995.211	ug/l	100
12) 1,1-Dichloroethene	3.69	96	510693	148.009	ug/l	93
13) Acrolein	3.56	56	294197	659.514	ug/l	99
14) Allyl chloride	4.27	41	821958	134.373	ug/l	97
15) Acrylonitrile	4.93	53	1261632	749.684	ug/l	99
16) Acetone	3.77	43	933712	708.115	ug/l	100
17) Carbon Disulfide	4.01	76	1063317	119.744	ug/l	100
18) Methyl Acetate	4.27	43	515470	133.595	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1950279	144.378	ug/l	97
20) Methylene Chloride	4.50	84	604924	145.354	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	609290	146.011	ug/l	97
22) Diisopropyl ether	5.90	45	1856504	136.432	ug/l	99
23) Vinyl Acetate	5.84	43	7075018	638.721	ug/l #	94
24) 1,1-Dichloroethane	5.80	63	1079182	138.858	ug/l	100
25) 2-Butanone	6.78	43	1583163	725.316	ug/l	98
26) 2,2-Dichloropropane	6.77	77	999027	150.116	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	712341	146.997	ug/l	96
28) Bromochloromethane	7.15	49	471805	138.253	ug/l	94
29) Tetrahydrofuran	7.16	42	1054910	711.964	ug/l	98
30) Chloroform	7.33	83	1164458	142.755	ug/l	98
31) Cyclohexane	7.61	56	939800	123.182	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	1054675	145.259	ug/l	98
36) 1,1-Dichloropropene	7.75	75	863747	141.933	ug/l	99
37) Ethyl Acetate	6.88	43	705088	138.984	ug/l	99
38) Carbon Tetrachloride	7.73	117	862785	165.377	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1043635	144.094	ug/l	97
40) Benzene	8.00	78	2574615	143.742	ug/l	100
41) Methacrylonitrile	7.12	41	316209	134.320	ug/l	95
42) 1,2-Dichloroethane	8.09	62	901804	140.070	ug/l	99
43) Isopropyl Acetate	8.13	43	1285048	131.738	ug/l	99
44) Trichloroethene	8.80	130	702638	151.816	ug/l	98
45) 1,2-Dichloropropane	9.08	63	642739	142.454	ug/l	98
46) Dibromomethane	9.18	93	455590	150.160	ug/l	97
47) Bromodichloromethane	9.37	83	969308	147.158	ug/l	100
48) Methyl methacrylate	9.17	41	582655	131.996	ug/l	97
49) 1,4-Dioxane	9.17	88	127445	4451.251	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3461032	658.910	ug/l	96
52) Toluene	10.12	92	1716704	150.994	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	1090897	151.447	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	1136157	149.544	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	640962	151.526	ug/l	99
56) Ethyl methacrylate	10.40	69	1035190	149.673	ug/l	97
57) 1,3-Dichloropropane	10.68	76	1078259	146.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	2224457	761.459	ug/l	97
59) 2-Hexanone	10.72	43	2534589	704.397	ug/l	97
60) Dibromochloromethane	10.87	129	757053	160.977	ug/l	99
61) 1,2-Dibromoethane	10.98	107	677832	152.347	ug/l	100
64) Tetrachloroethene	10.60	164	700703	154.959	ug/l	97
65) Chlorobenzene	11.41	112	1784488	148.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	673686	159.222	ug/l	99
67) Ethyl Benzene	11.48	91	3164076	142.489	ug/l	93
68) m/p-Xylenes	11.60	106	2560719	306.961	ug/l	86
69) o-Xylene	11.92	106	1237442	152.929	ug/l	94
70) Styrene	11.94	104	2163230	159.233	ug/l	99
71) Bromoform	12.10	173	512616	172.020	ug/l #	100
73) Isopropylbenzene	12.22	105	3159383	135.721	ug/l	96
74) N-amyl acetate	12.04	43	1182602	129.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	835559	125.920	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	830263m	138.996	ug/l	
77) Bromobenzene	12.50	156	758069	148.787	ug/l	94
78) n-propylbenzene	12.57	91	3574537	131.728	ug/l	95
79) 2-Chlorotoluene	12.65	91	2199752	138.273	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	2724672	139.856	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	339971	148.845	ug/l	96
82) 4-Chlorotoluene	12.75	91	2338260	139.887	ug/l	98
83) tert-Butylbenzene	12.97	119	2329666	140.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	2729687	140.411	ug/l	96
85) sec-Butylbenzene	13.15	105	3090867	137.787	ug/l	98
86) p-Isopropyltoluene	13.26	119	2840466	145.867	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	1425081	154.242	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1406753	148.263	ug/l	98
89) n-Butylbenzene	13.59	91	2568478	145.360	ug/l	97
90) Hexachloroethane	13.85	117	411550	153.392	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	1321099	149.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	174943	137.125	ug/l	95

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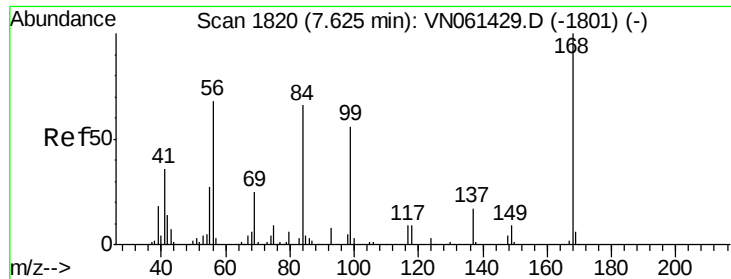
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	792047	163.544	ug/l	100
94) Hexachlorobutadiene	14.98	225	305042	163.556	ug/l	99
95) Naphthalene	15.10	128	2459949	156.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	762650	157.565	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 340391

Ion Ratio Lower Upper

168 100

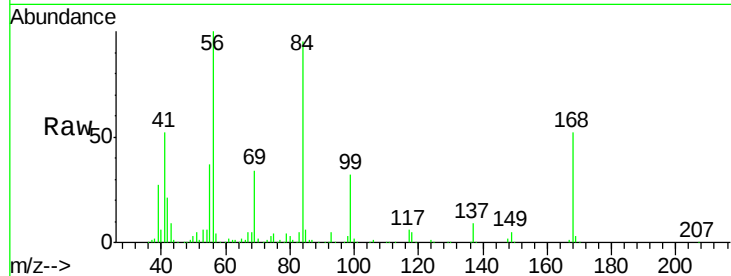
99 61.6 51.1 76.7

Manual Integrations

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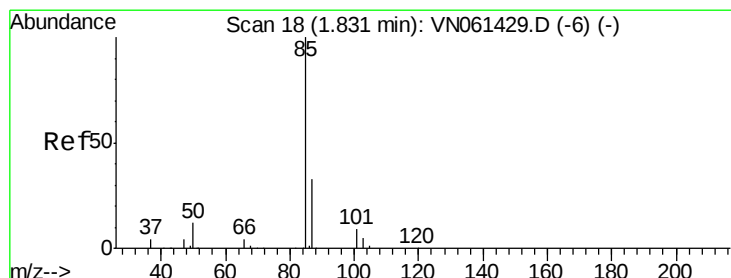
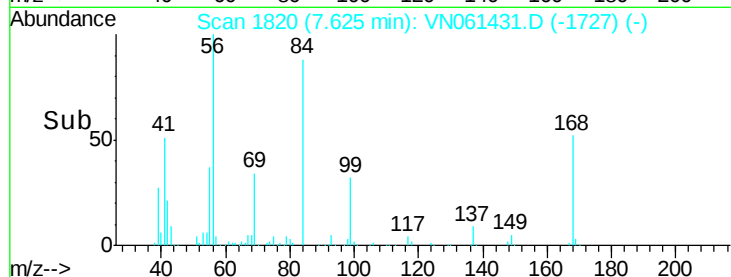
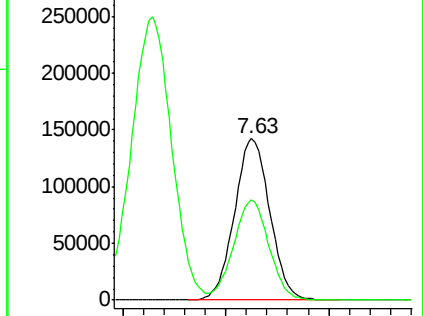
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 165.711 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061431.D

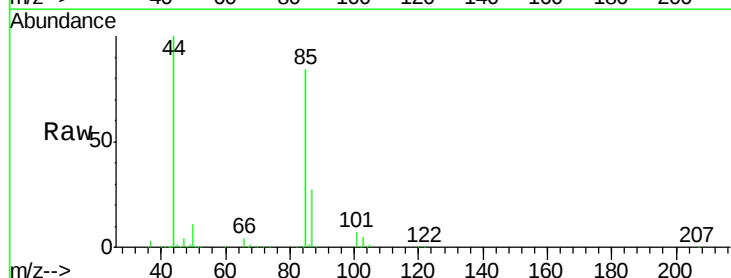
Acq: 18 May 2020 12:47

Tgt Ion: 85 Resp: 456338

Ion Ratio Lower Upper

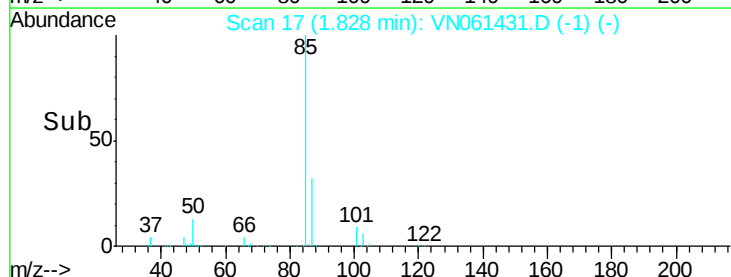
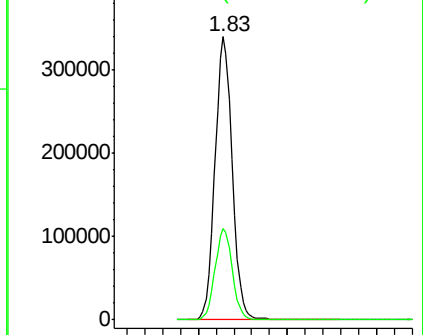
85 100

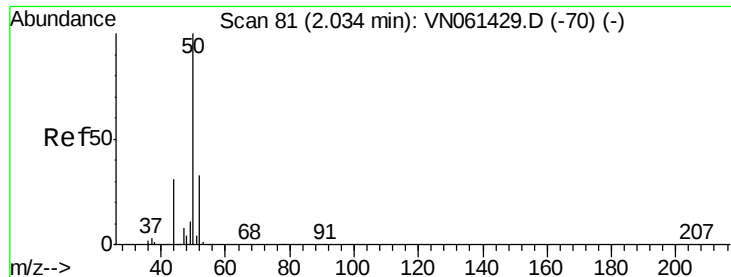
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 107.969 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 580678

Ion Ratio Lower Upper

50 100

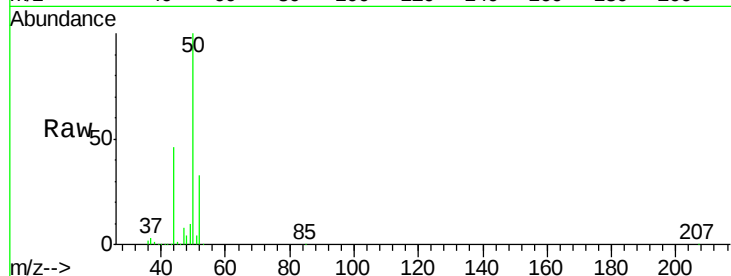
52 33.1 26.7 40.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

400000

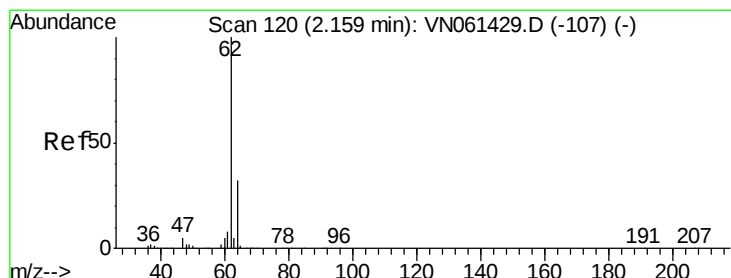
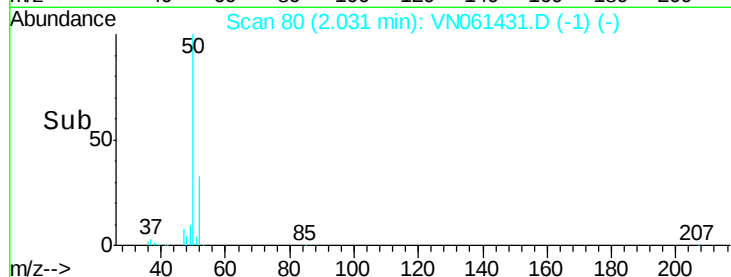
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 107.716 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061431.D

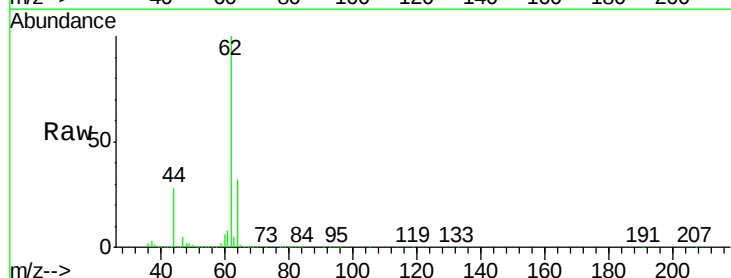
Acq: 18 May 2020 12:47

Tgt Ion: 62 Resp: 887517

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

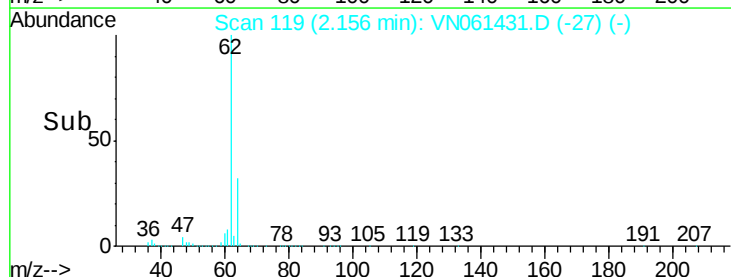
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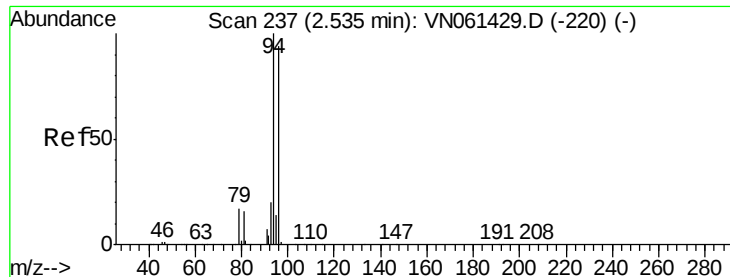
400000

200000

0

Time-->





#5

Bromomethane

Concen: 105.157 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 469522

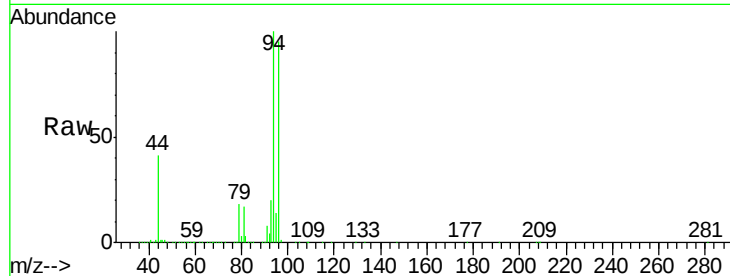
Ion Ratio Lower Upper

94 100

96 95.4 74.9 112.3

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.52

250000

200000

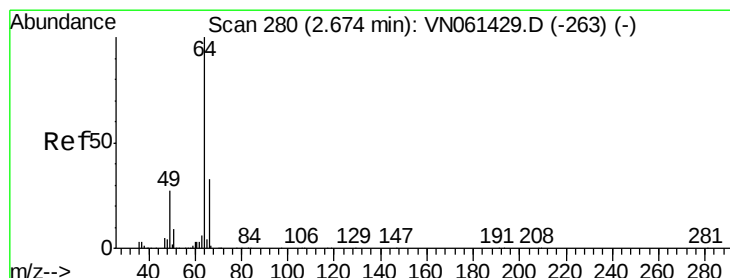
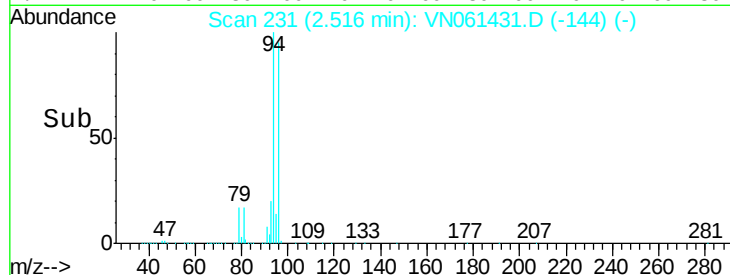
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 98.447 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN061431.D

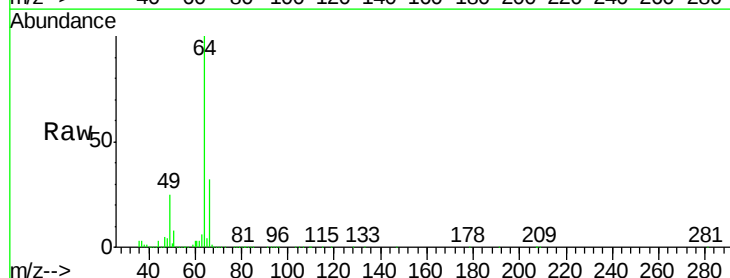
Acq: 18 May 2020 12:47

Tgt Ion: 64 Resp: 575444

Ion Ratio Lower Upper

64 100

66 31.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.66

300000

250000

200000

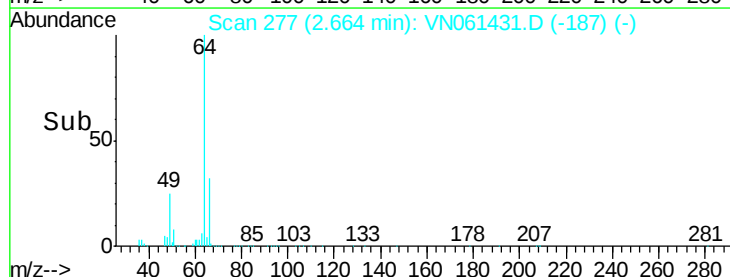
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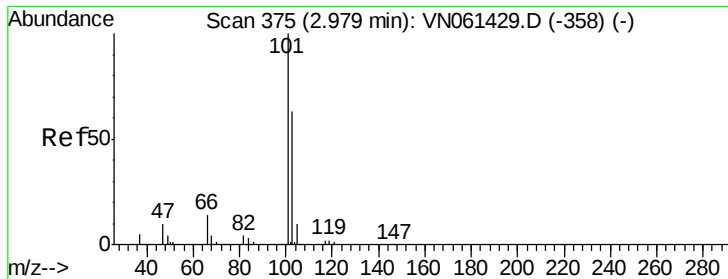
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50000

0

Time-->





#7

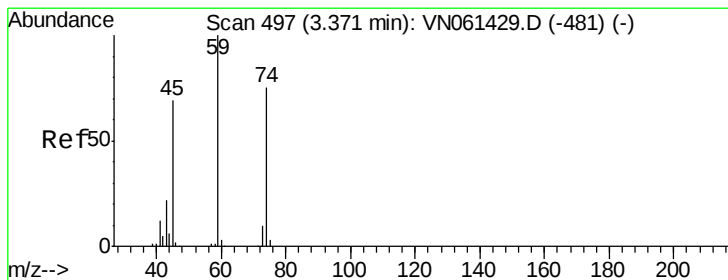
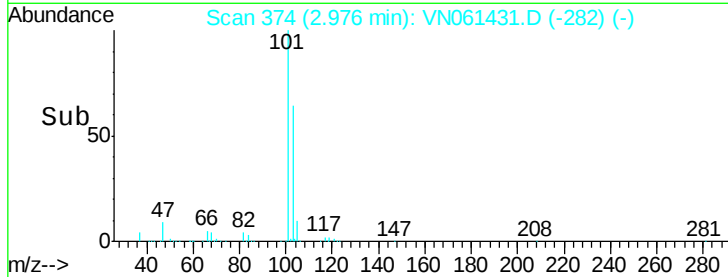
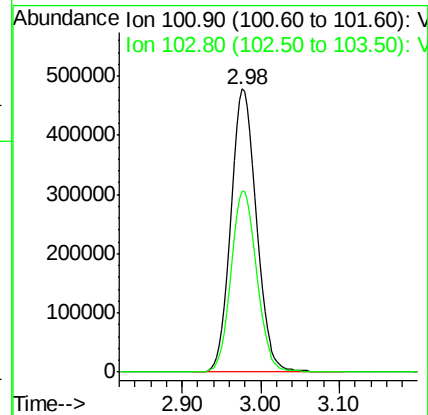
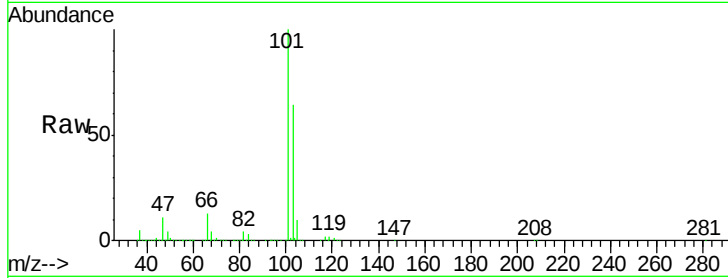
Trichlorofluoromethane
Concen: 106.312 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061431.D
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VSTDIC150

Tot Ion:101 Resp: 1075165
Ion Ratio Lower Upper
101 100
103 64.1 50.2 75.4

Manual Integrations
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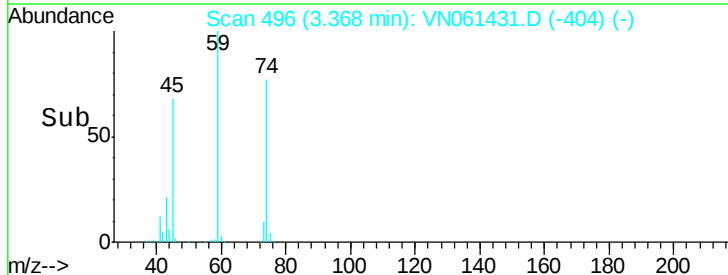
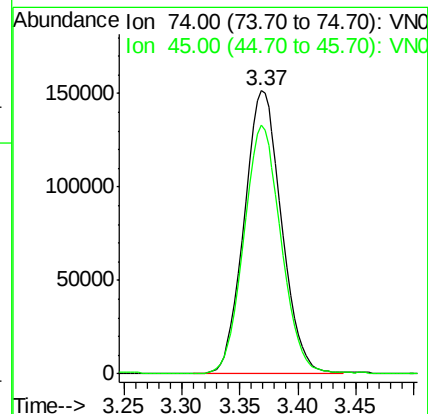
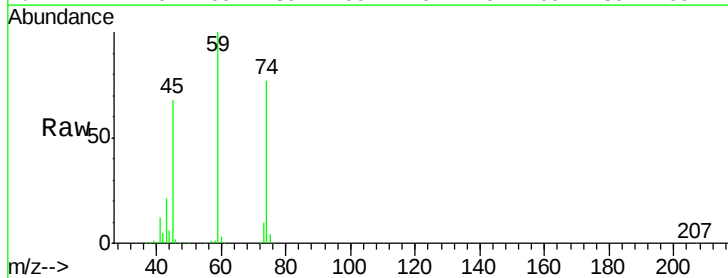
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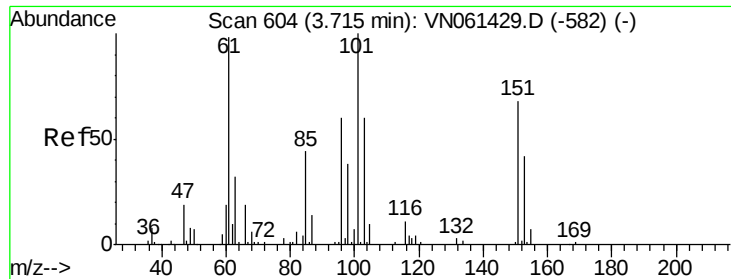


#8

Diethyl Ether
Concen: 149.053 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 74 Resp: 339769
Ion Ratio Lower Upper
74 100
45 86.9 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 154.208 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

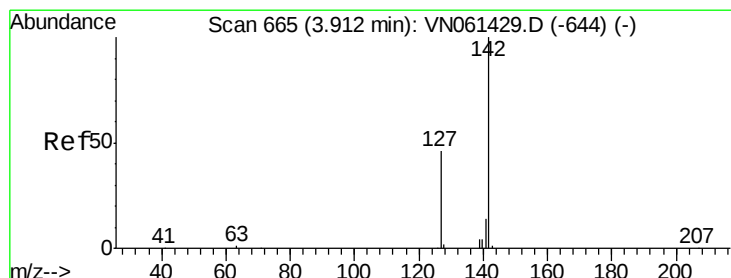
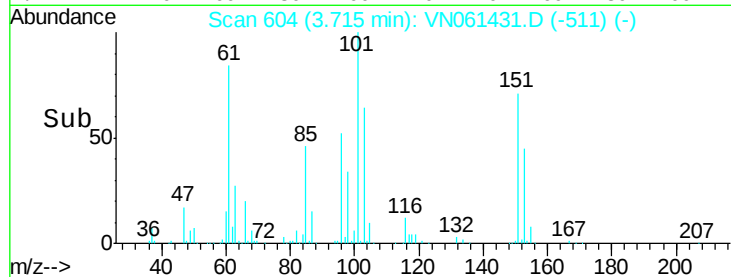
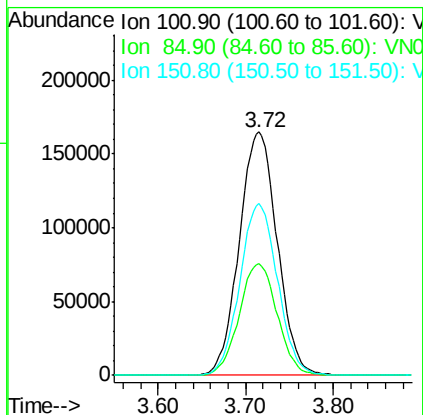
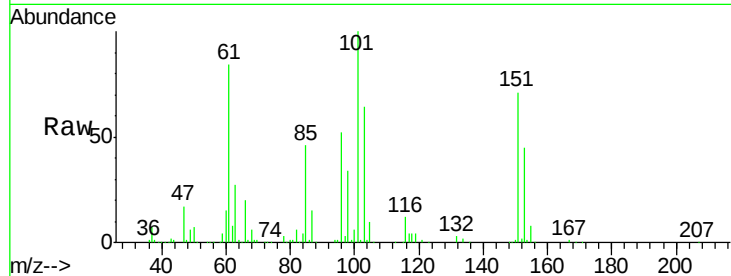
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	496811
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.6	55.0
151	70.1	56.3	84.5

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#10

Methyl Iodide

Concen: 153.032 ug/l

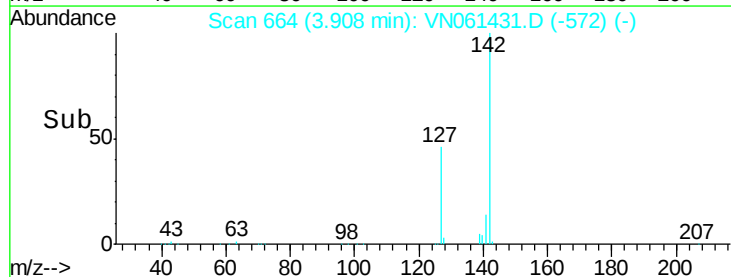
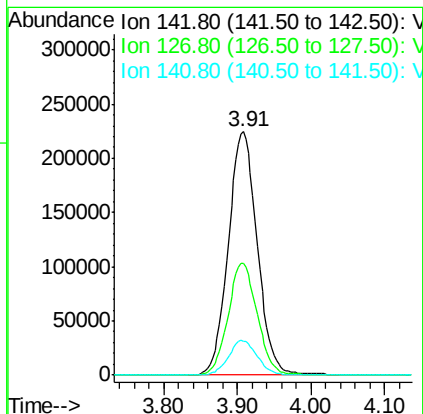
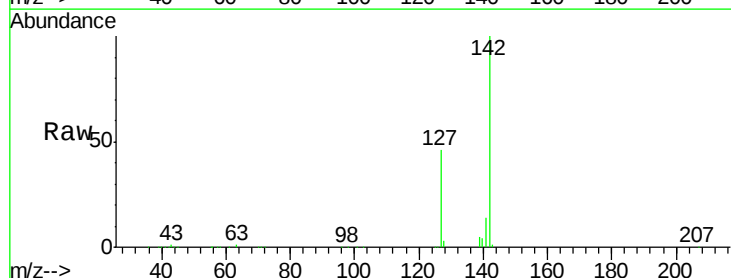
RT: 3.91 min Scan# 664

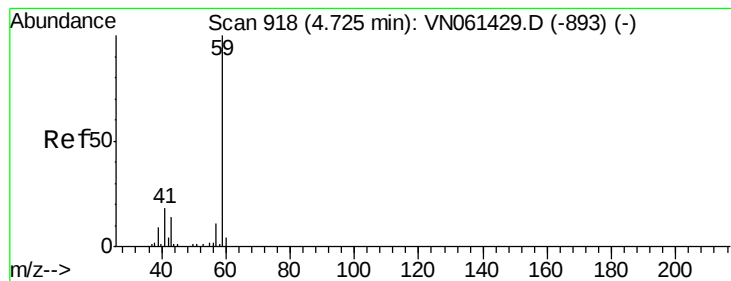
Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion:	142	Resp:	613709
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.7	55.1
141	14.2	11.5	17.3





#11

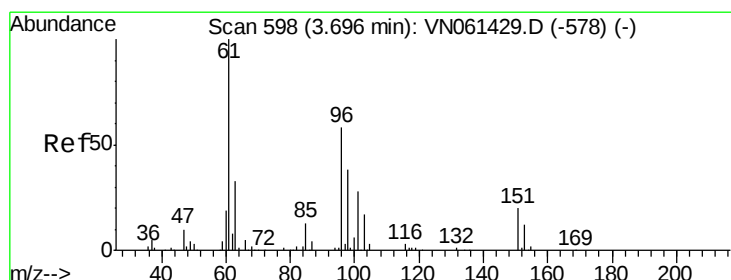
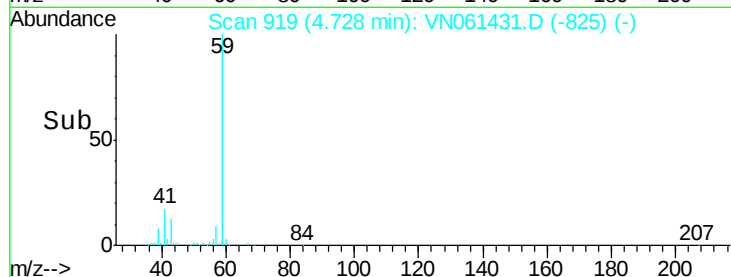
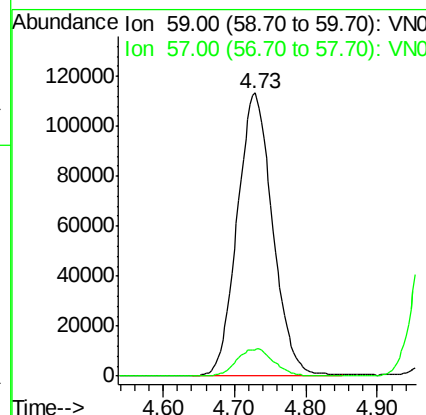
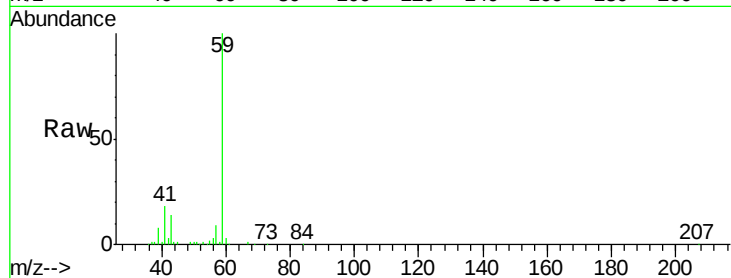
Tert butyl alcohol
Concen: 995.211 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	392122		
57	10.1		8.2	12.2

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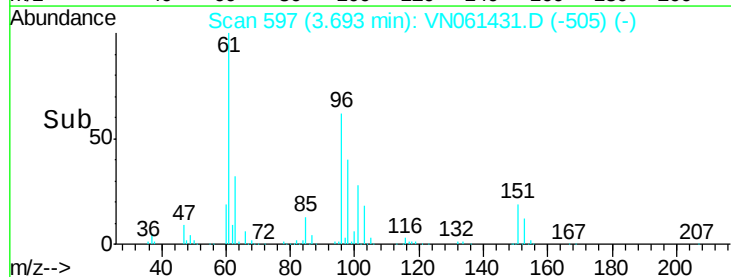
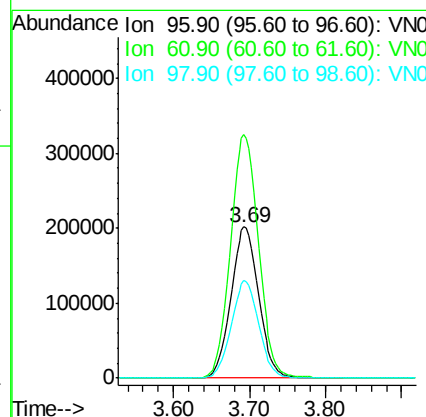
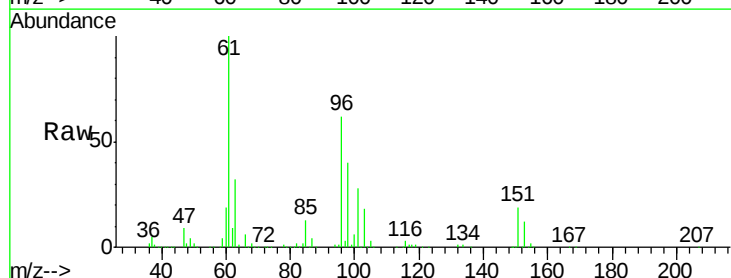
MMDadoda
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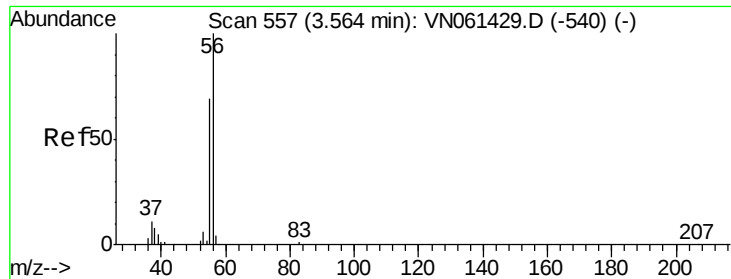


#12

1,1-Dichloroethene
Concen: 148.009 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	510693		
61	161.1		138.7	208.1
98	64.6		53.0	79.6





#13

Acrolein

Concen: 659.514 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 294197

Ion Ratio Lower Upper

56 100

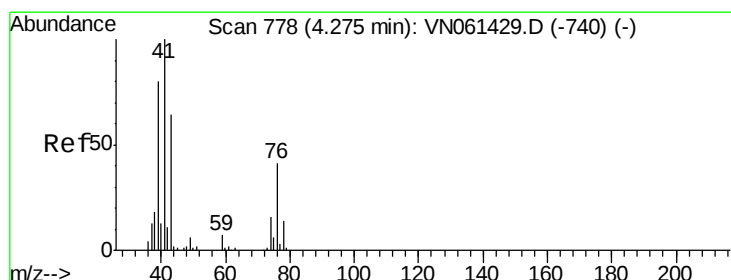
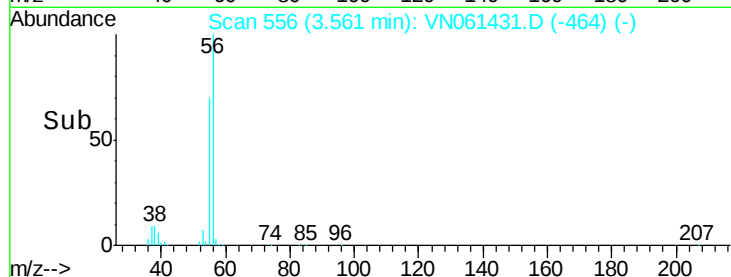
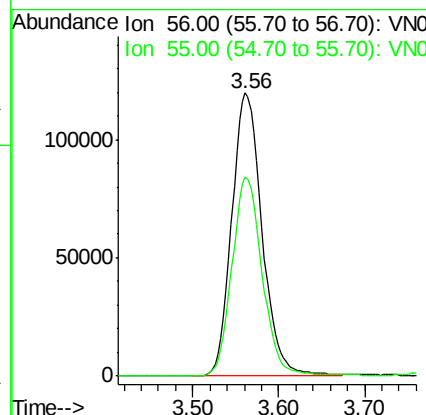
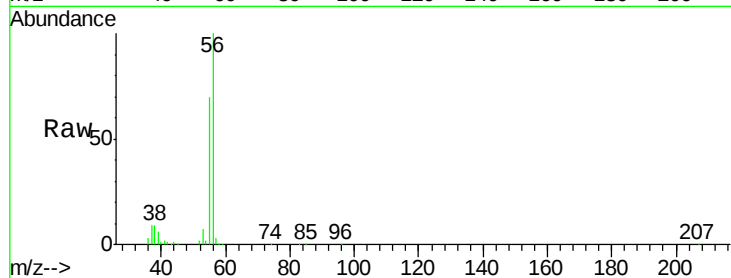
55 69.2 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 134.373 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

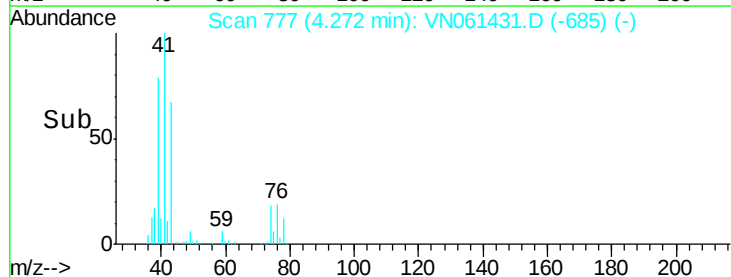
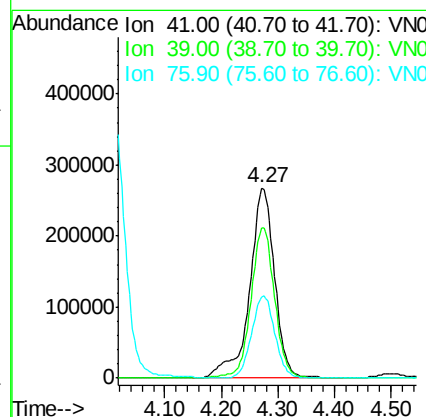
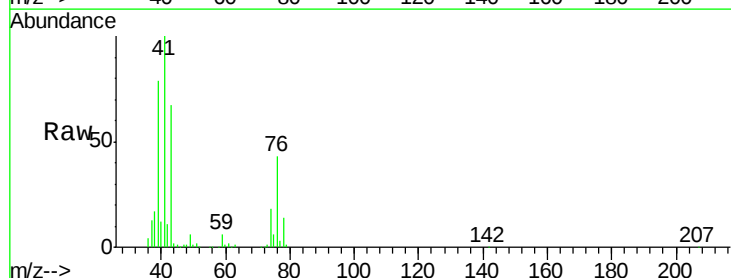
Tgt Ion: 41 Resp: 821958

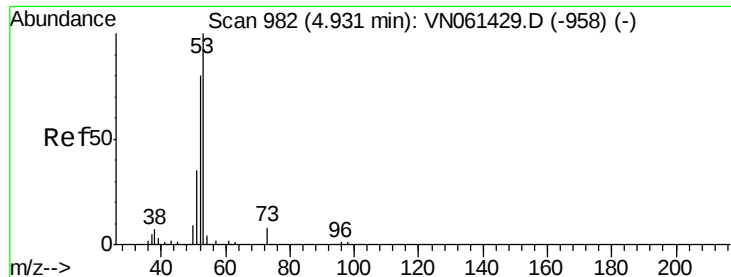
Ion Ratio Lower Upper

41 100

39 74.2 61.2 91.8

76 39.6 29.9 44.9





#15

Acrylonitrile

Concen: 749.684 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1261632

Ion Ratio Lower Upper

53 100

52 81.2 64.7 97.1

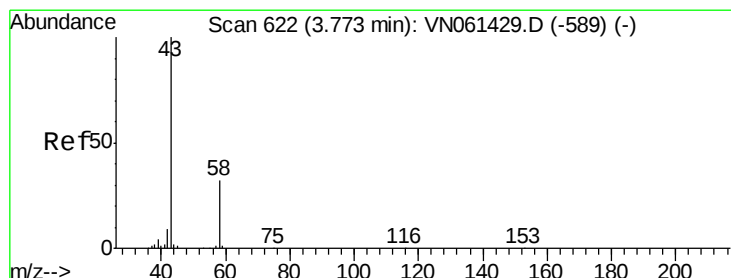
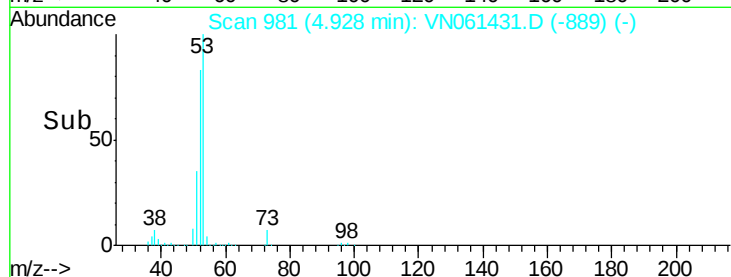
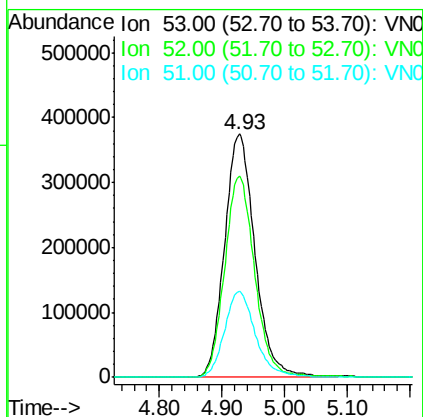
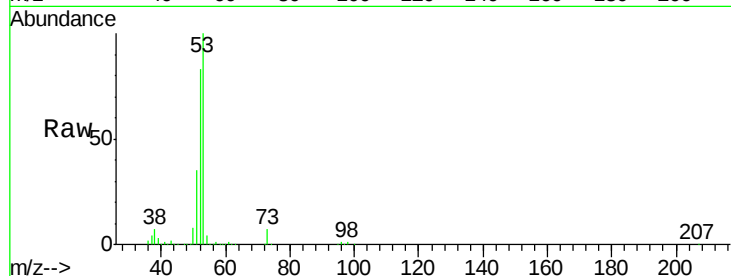
51 36.1 29.5 44.3

Manual Integrations

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#16

Acetone

Concen: 708.115 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061431.D

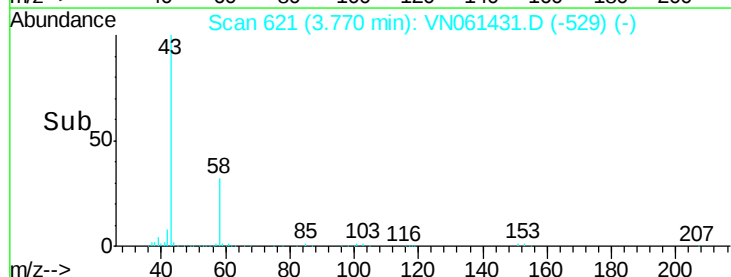
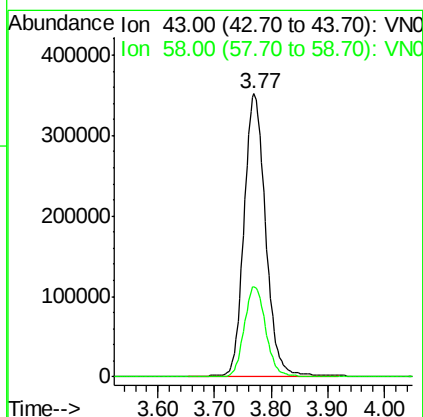
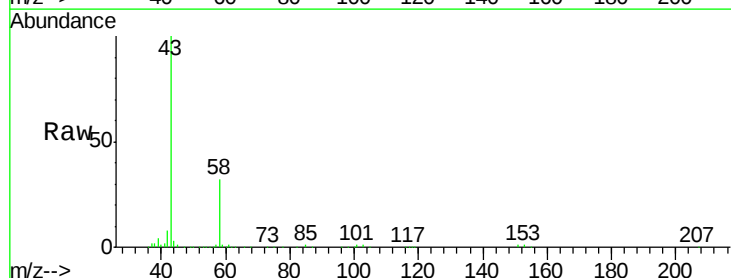
Acq: 18 May 2020 12:47

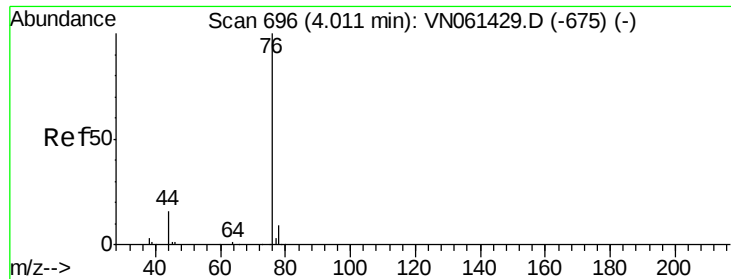
Tgt Ion: 43 Resp: 933712

Ion Ratio Lower Upper

43 100

58 32.0 25.6 38.4





#17

Carbon Disulfide

Concen: 119.744 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1063317

Ion Ratio Lower Upper

76 100

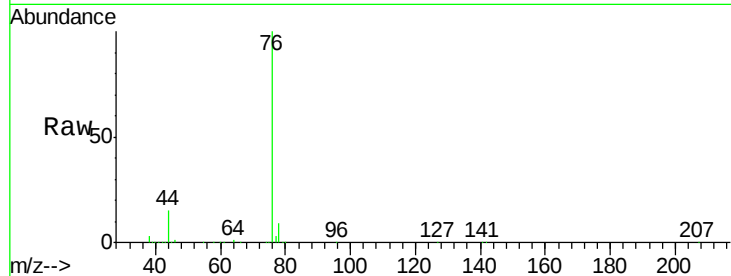
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-675) (-)

4.01

400000

300000

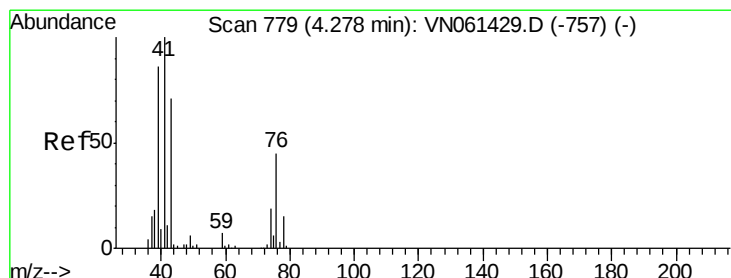
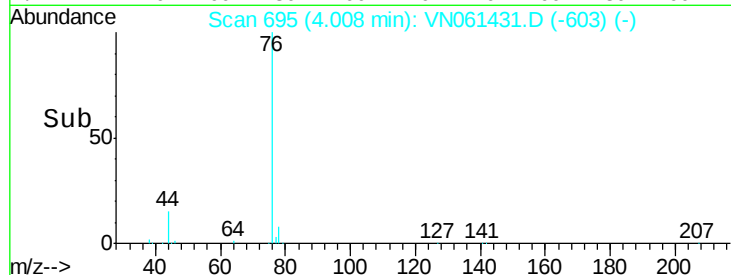
200000

100000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 133.595 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061431.D

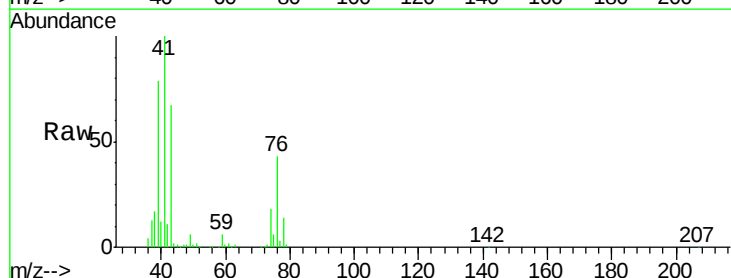
Acq: 18 May 2020 12:47

Tgt Ion: 43 Resp: 515470

Ion Ratio Lower Upper

43 100

74 26.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN061429.D (-757) (-)

4.27

200000

150000

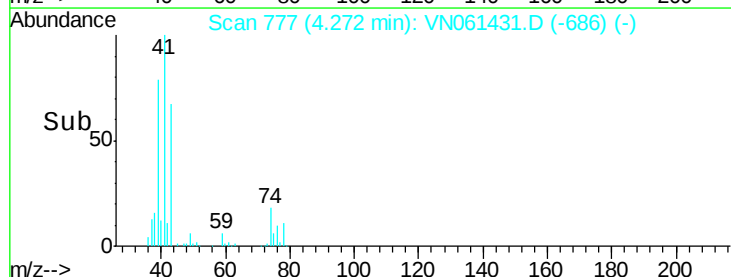
100000

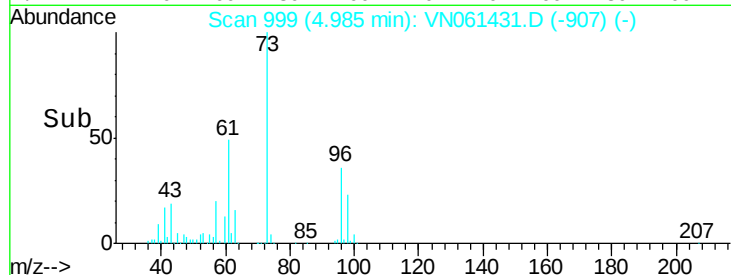
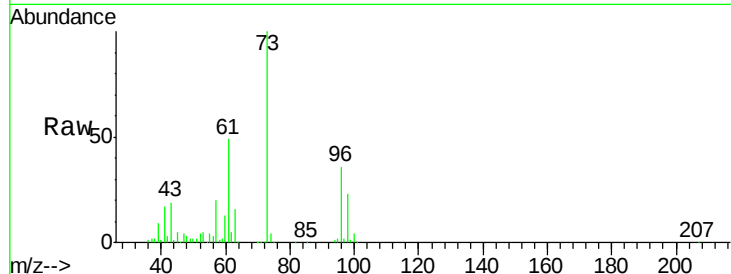
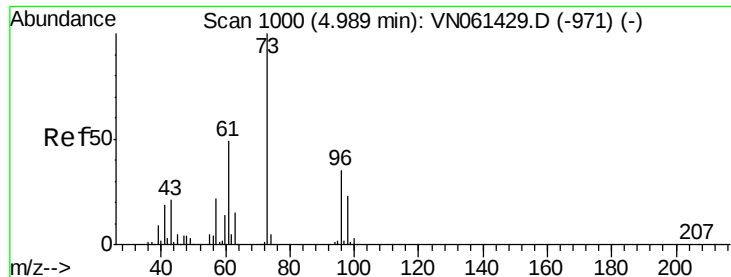
50000

0

4.20 4.30 4.40

Time-->





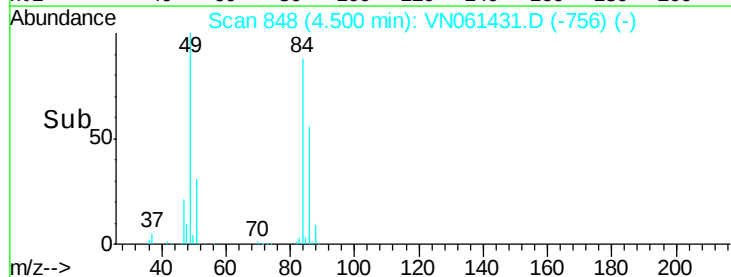
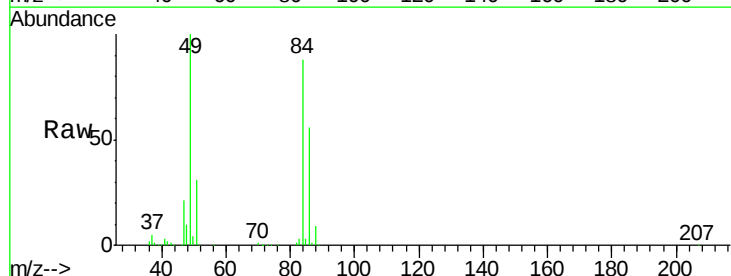
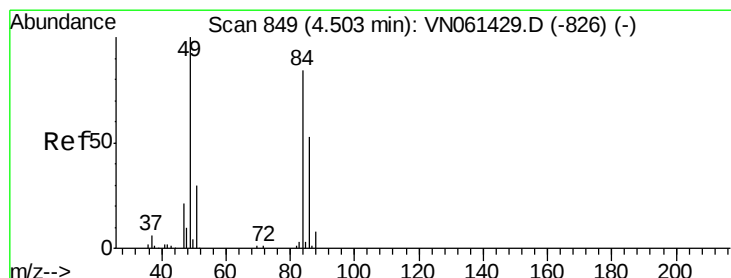
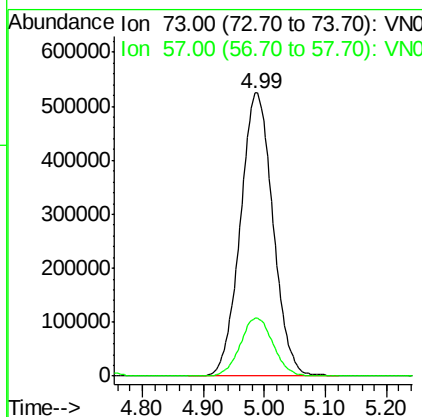
#19
Methvl tert-butvl Ether
Concen: 144.378 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tot Ion: 73 Resp: 1950279
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

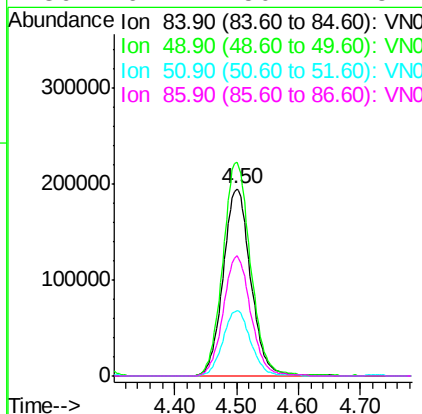
Manual Integrations
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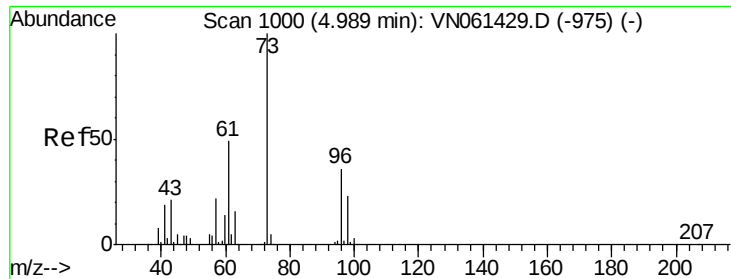
MMDadoda
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#20
Methylene Chloride
Concen: 145.354 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 84 Resp: 604924
Ion Ratio Lower Upper
84 100
49 114.1 95.3 142.9
51 35.3 29.0 43.6
86 64.1 50.2 75.2





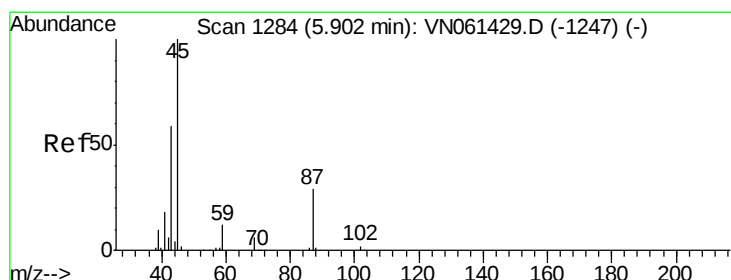
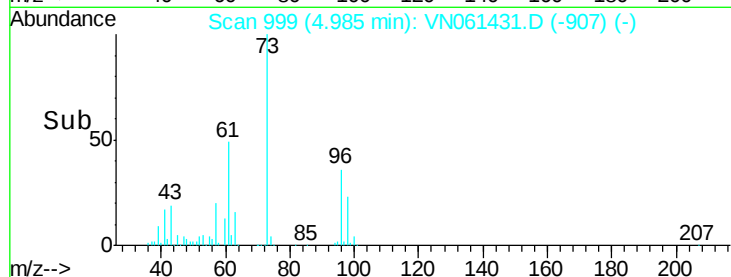
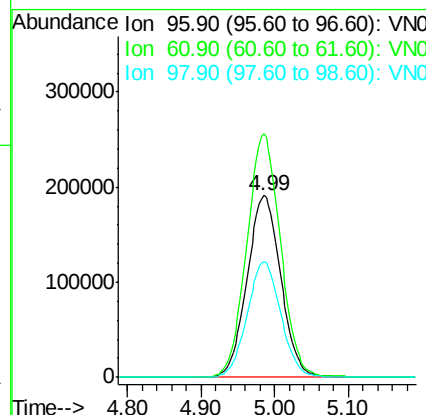
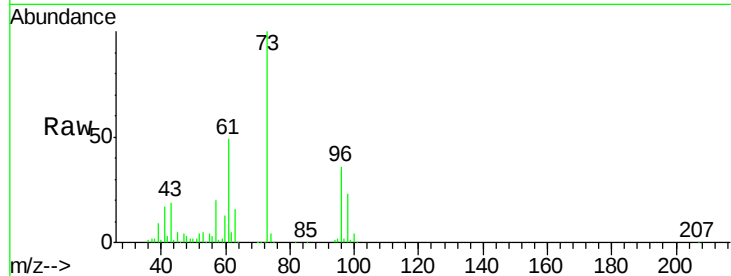
#21
trans-1,2-Dichloroethene
Concen: 146.011 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.8	109.8	164.6
98	63.7	52.4	78.6

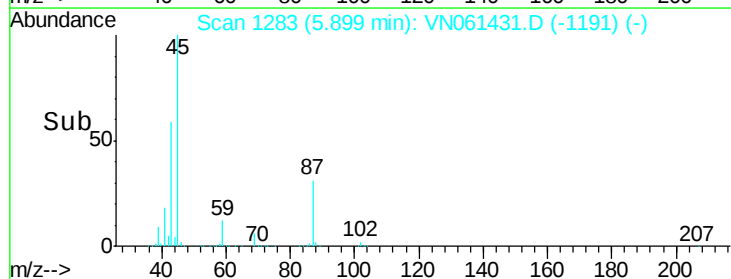
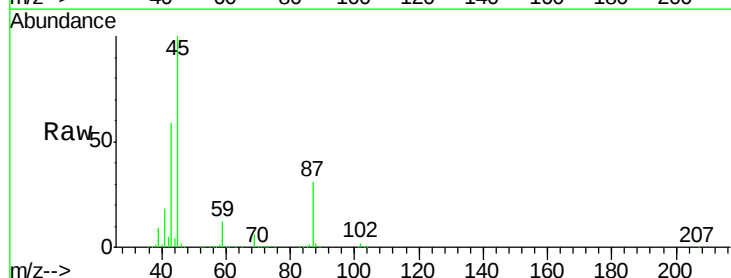
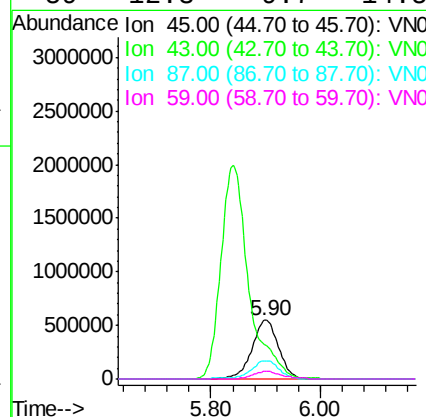
Manual Integrations
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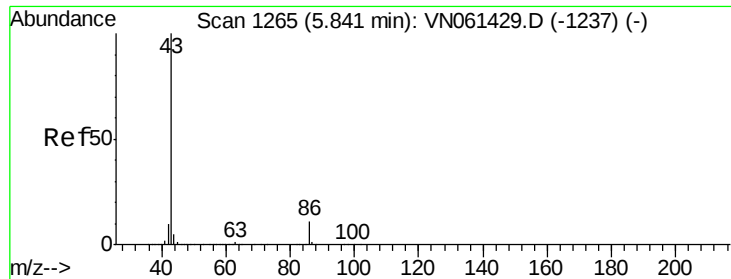
MMDadoda
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#22
Diisopropyl ether
Concen: 136.432 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	47.9	71.9
87	31.1	24.0	36.0
59	12.3	9.7	14.5





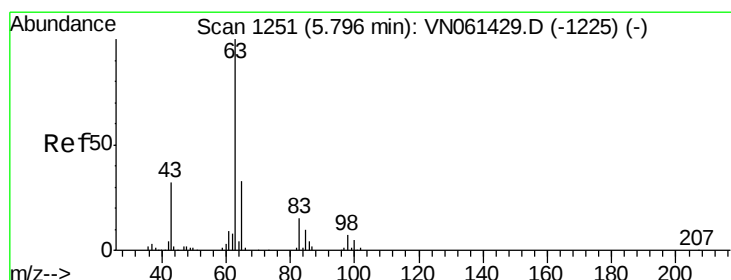
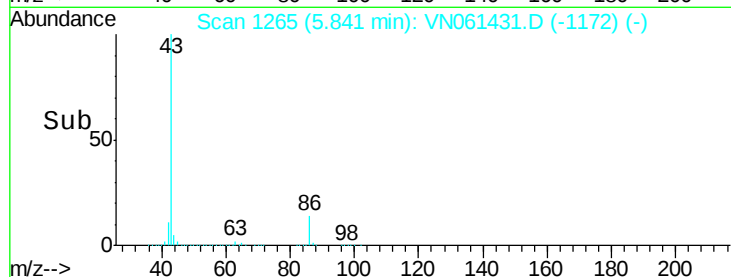
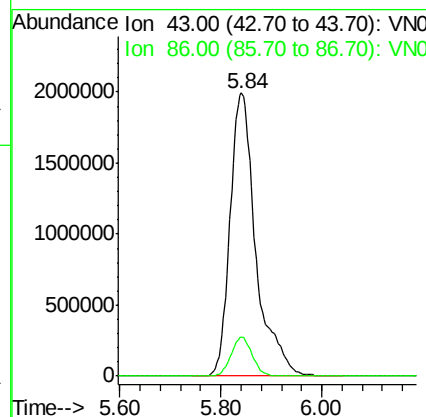
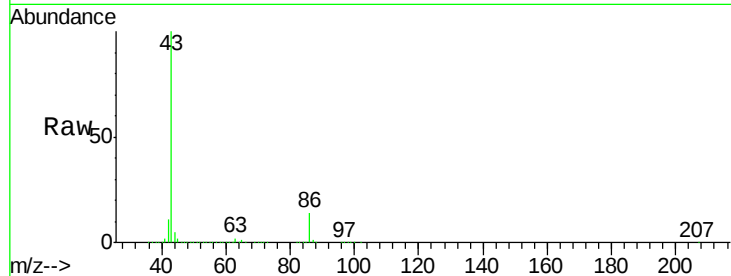
#23
 Vinyl Acetate
 Concen: 638.721 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 7075018
 Ion Ratio Lower Upper
 43 100
 86 13.8 9.1 13.7#

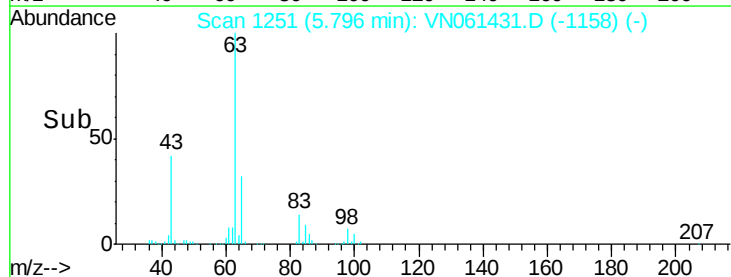
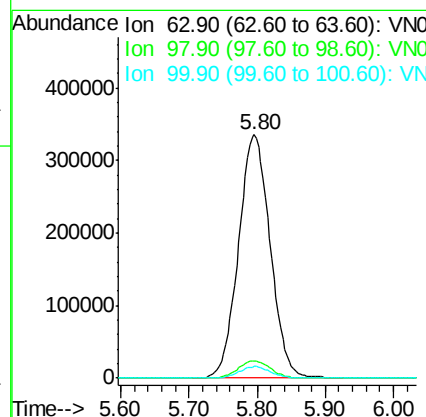
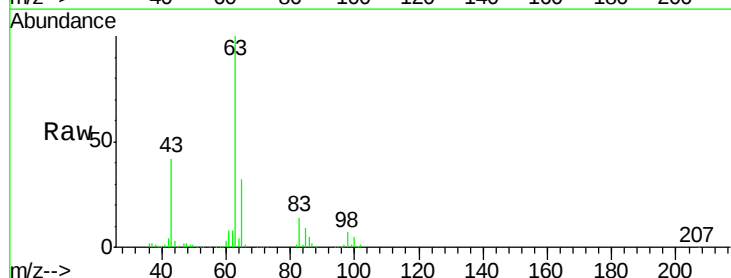
Manual Integrations
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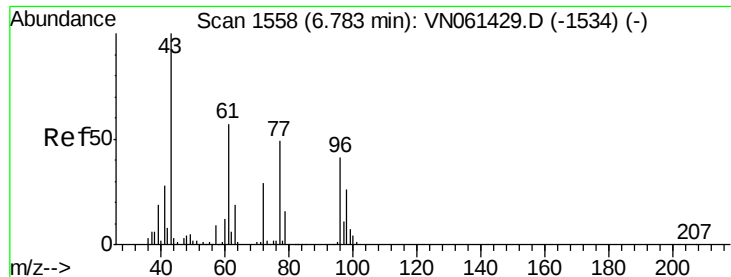
MMDadoda
 5/19/2020 4:25:41 PM



#24
 1,1-Dichloroethane
 Concen: 138.858 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion: 63 Resp: 1079182
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 4.7 2.3 6.9





#25

2-Butanone

Concen: 725.316 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1583163

Ion Ratio Lower Upper

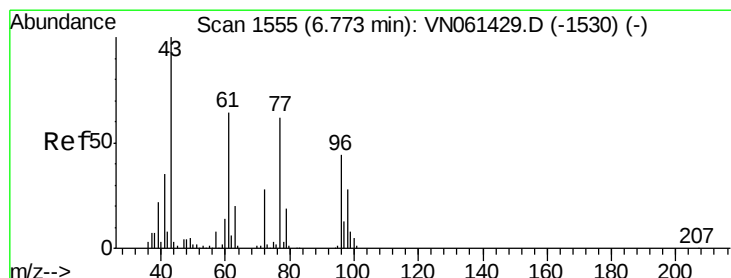
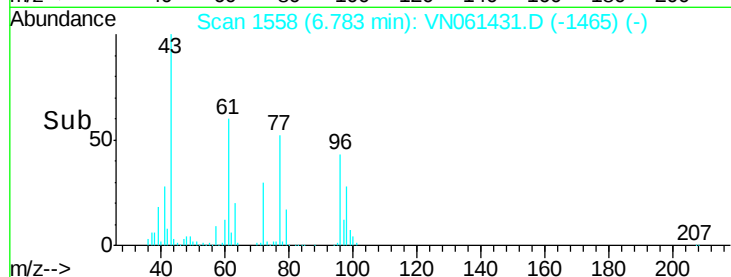
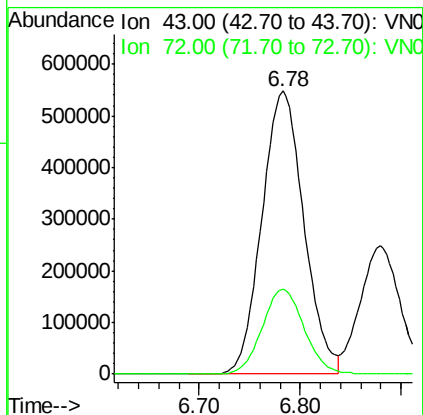
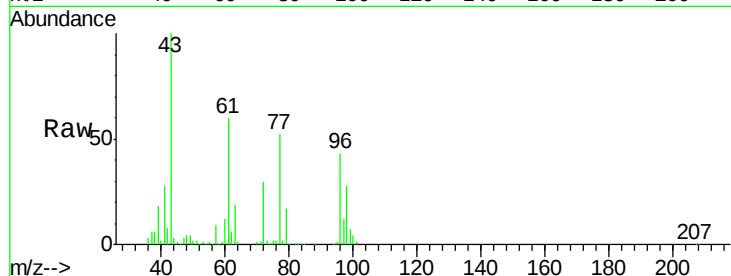
43 100

72 29.9 23.0 34.6

Manual Integrations
APPROVED

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#26

2,2-Dichloropropane

Concen: 150.116 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061431.D

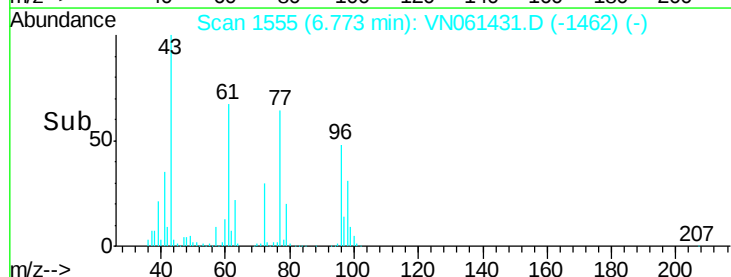
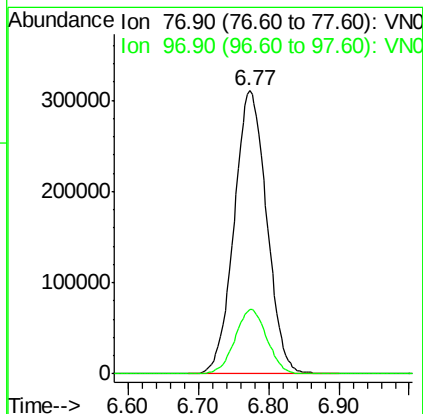
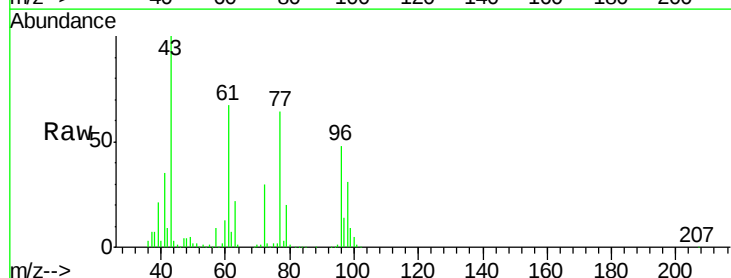
Acq: 18 May 2020 12:47

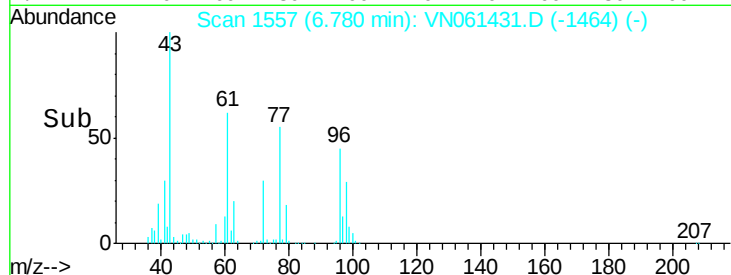
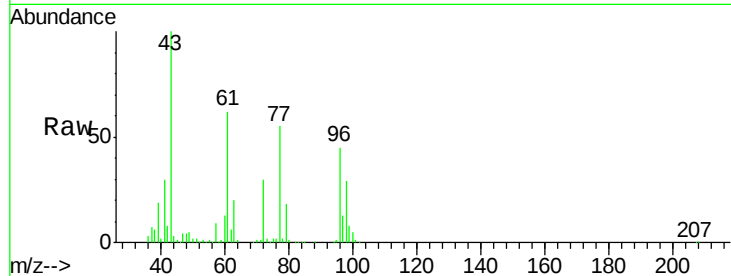
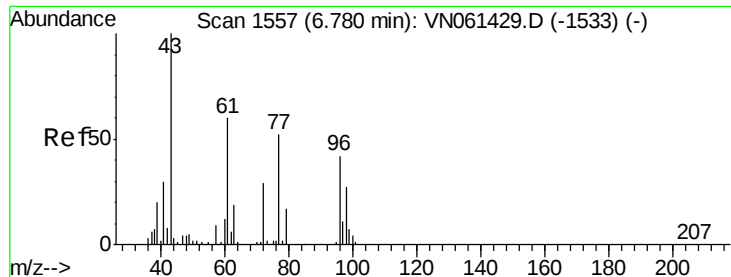
Tgt Ion: 77 Resp: 999027

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 146.997 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061431.D

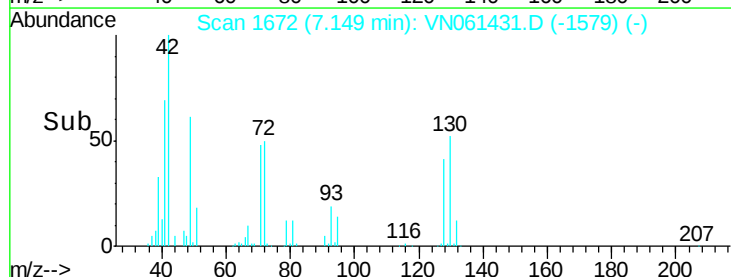
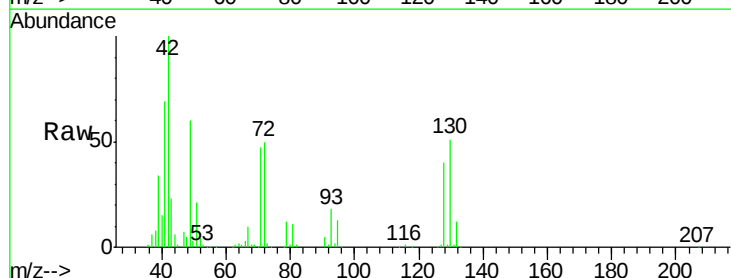
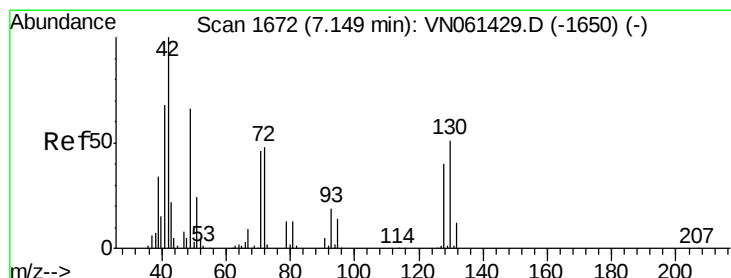
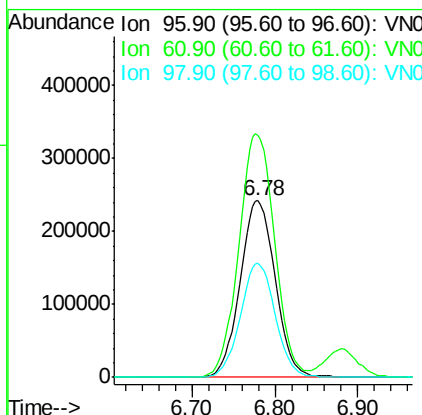
Acq: 18 May 2020 12:47

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.6	0.0	294.2	
98	64.6	0.0	128.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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#28

Bromochloromethane

Concen: 138.253 ug/l

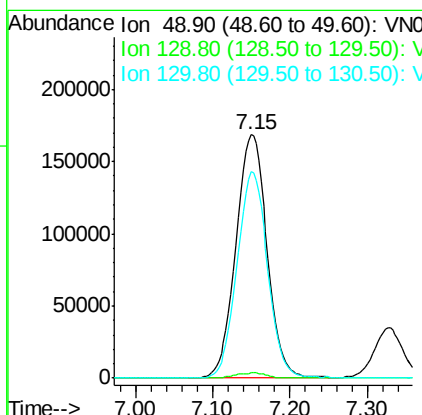
RT: 7.15 min Scan# 1672

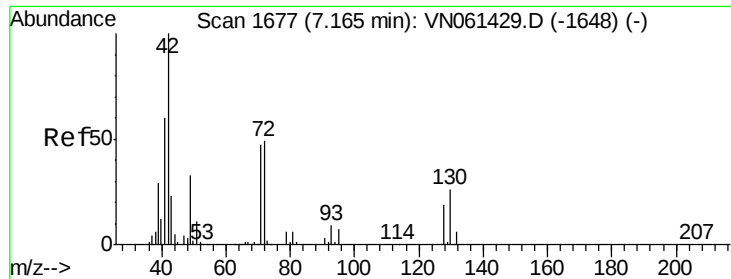
Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	83.0	62.2	93.2	





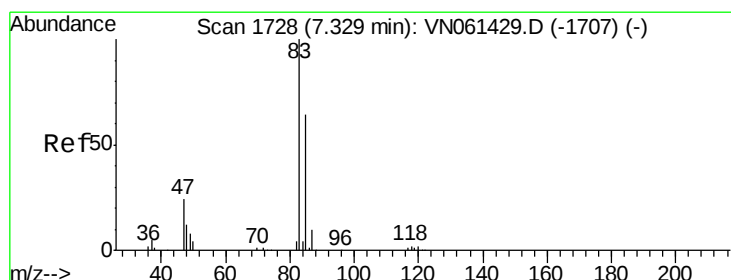
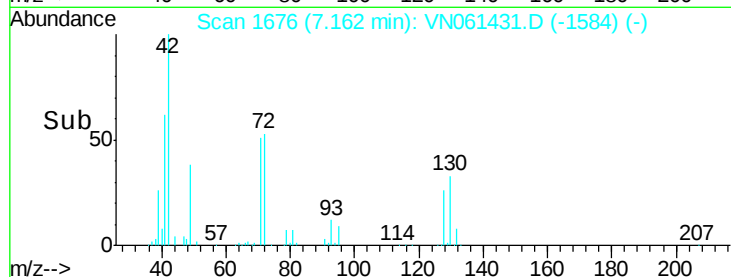
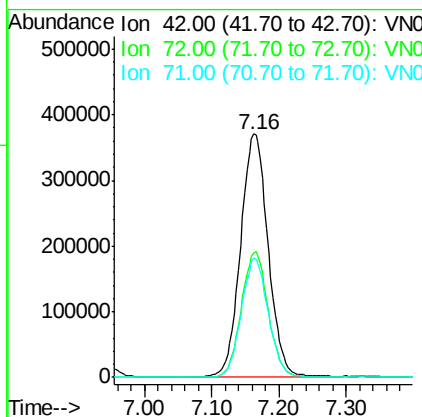
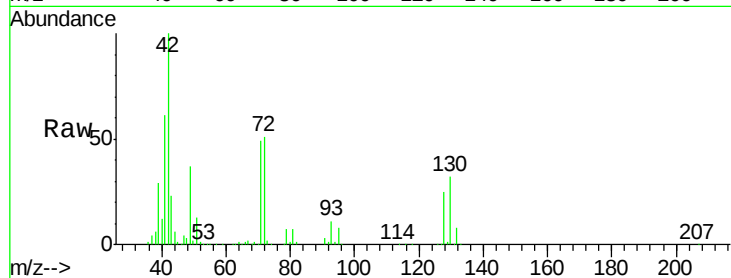
#29
Tetrahydrofuran
Concen: 711.964 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1054910
Ion Ratio Lower Upper
42 100
72 50.2 39.0 58.6
71 47.7 36.9 55.3

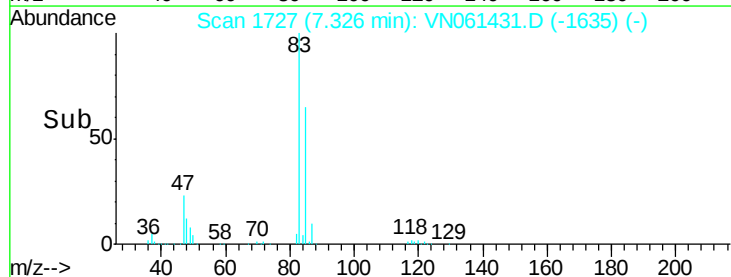
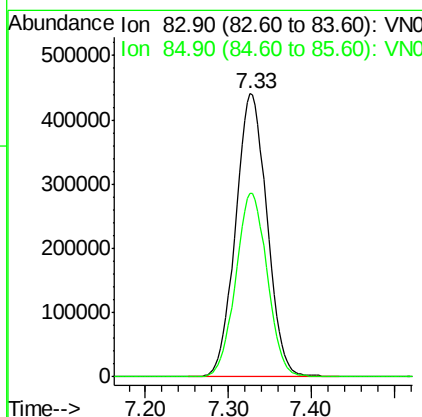
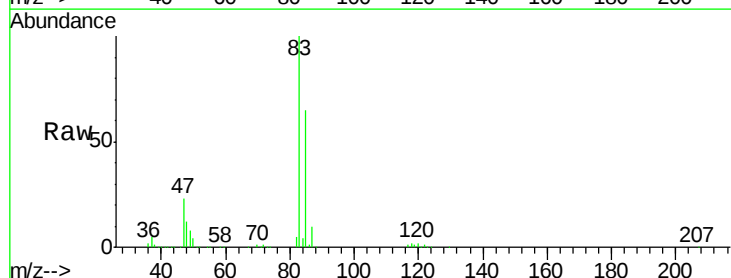
Manual Integrations
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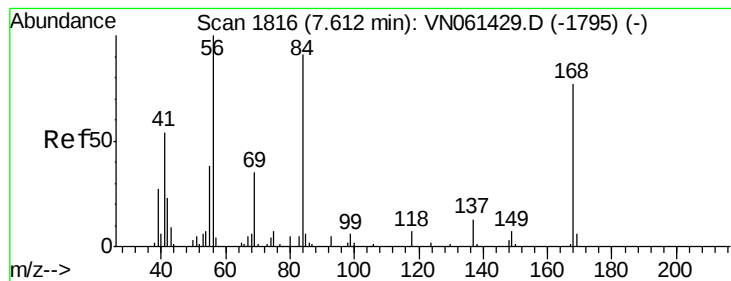
MMDadoda
5/19/2020 4:25:41 PM



#30
Chloroform
Concen: 142.755 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 83 Resp: 1164458
Ion Ratio Lower Upper
83 100
85 65.0 51.0 76.4





#31

Cyclohexane

Concen: 123.182 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

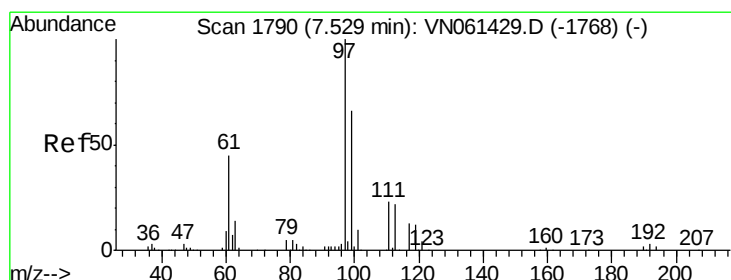
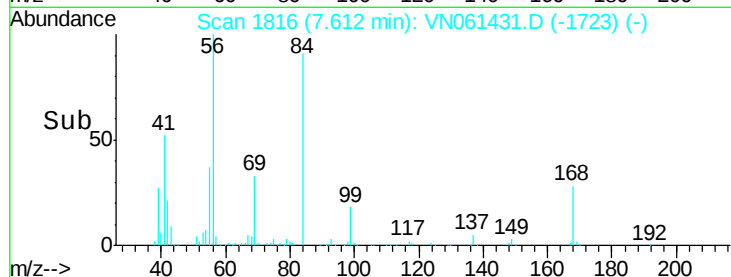
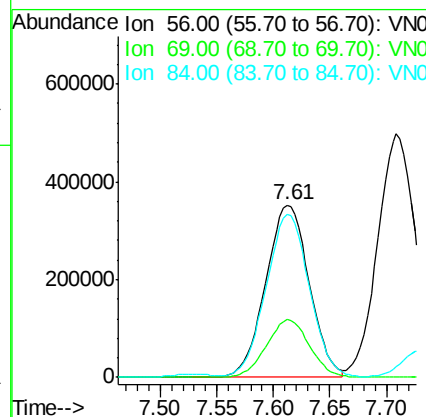
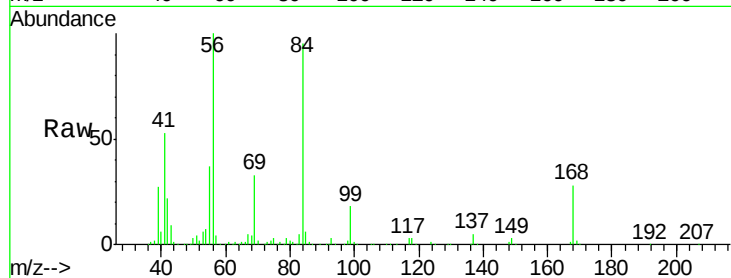
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	939800
Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.8	41.6
84	92.7	72.7	109.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 145.259 ug/l

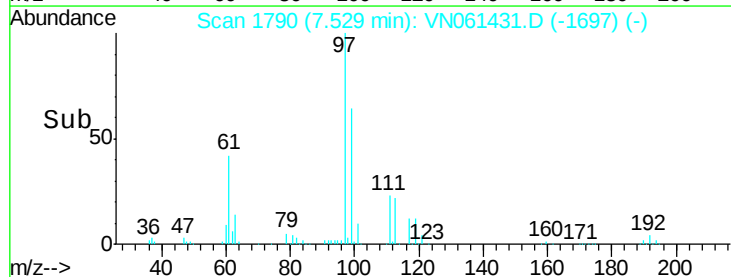
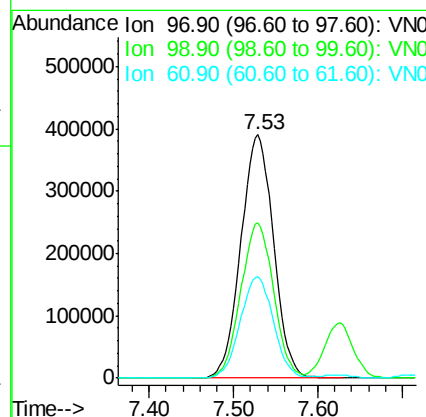
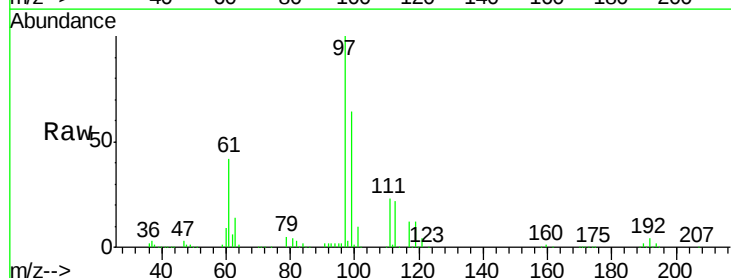
RT: 7.53 min Scan# 1790

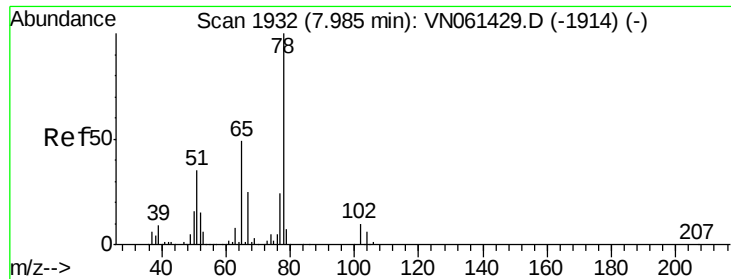
Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion:	97	Resp:	1054675
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	42.3	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 143.053 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 747265

Ion Ratio Lower Upper

65 100

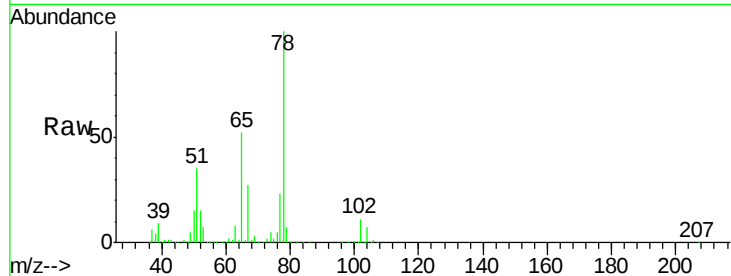
67 52.2 0.0 101.4

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Abundance Ion 64.90 (64.60 to 65.60): VN061429.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061429.D (-1914) (-)

7.99

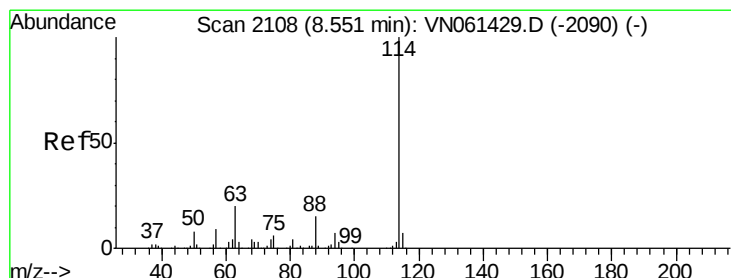
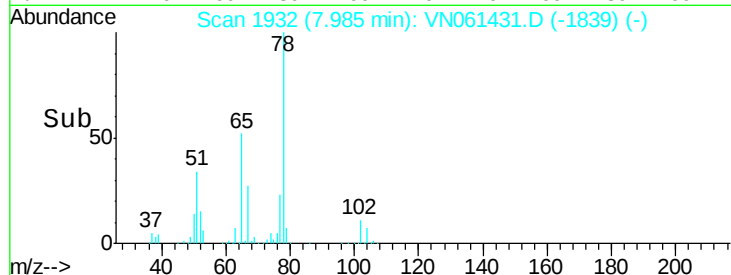
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

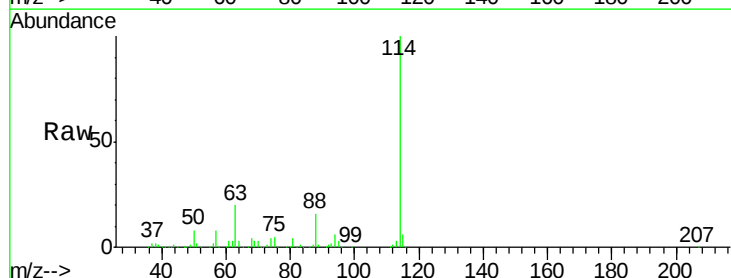
Tgt Ion: 114 Resp: 609985

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 16.1 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN061429.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN061429.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN061429.D (-2090) (-)

8.55

400000

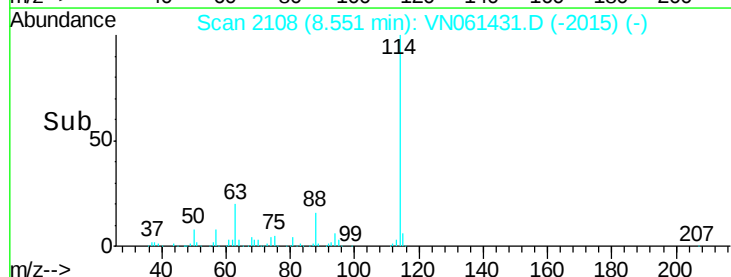
300000

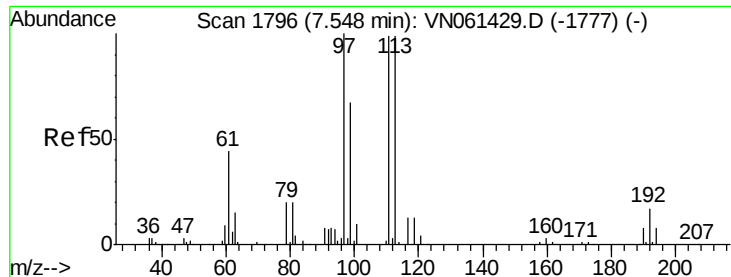
200000

100000

0

Time-->





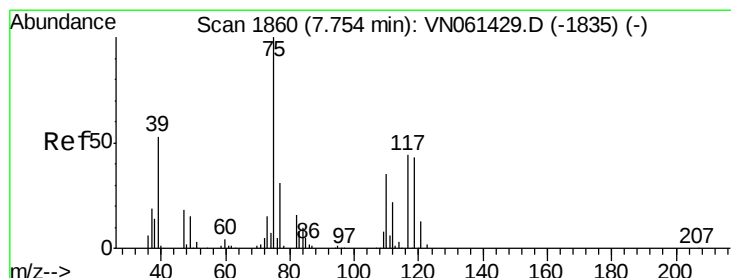
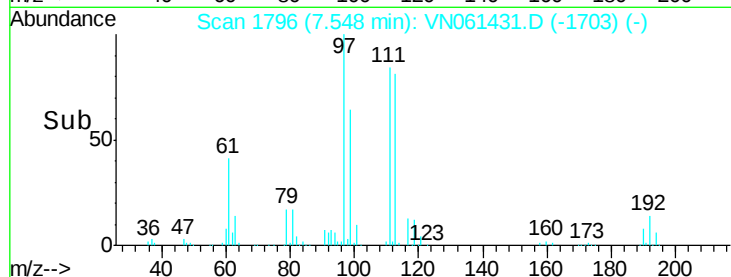
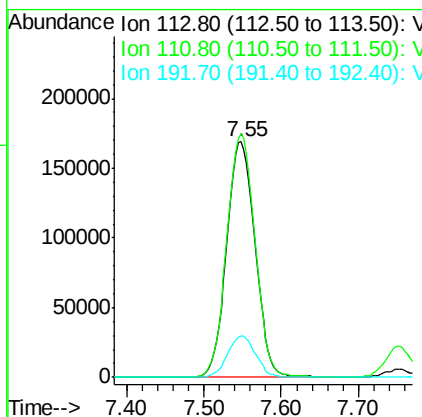
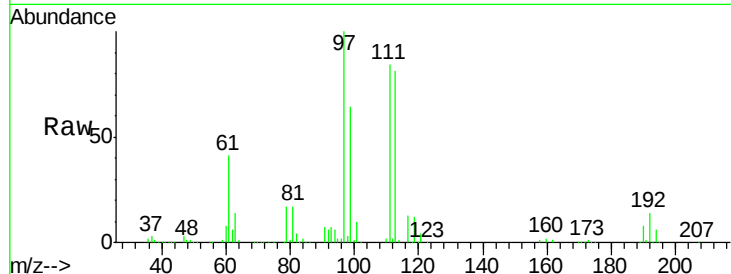
#35
 Dibromofluoromethane
 Concen: 140.624 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	430990		
111	102.7	80.6	121.0	
192	17.3	13.2	19.8	

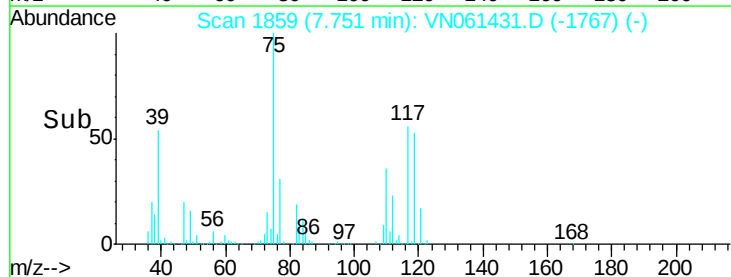
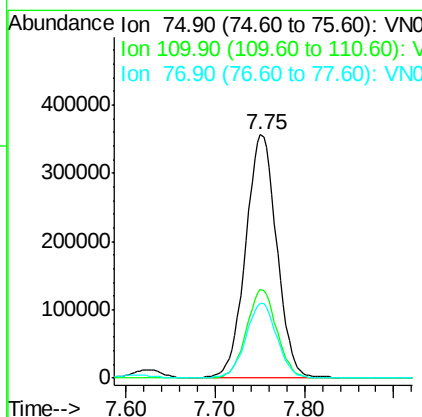
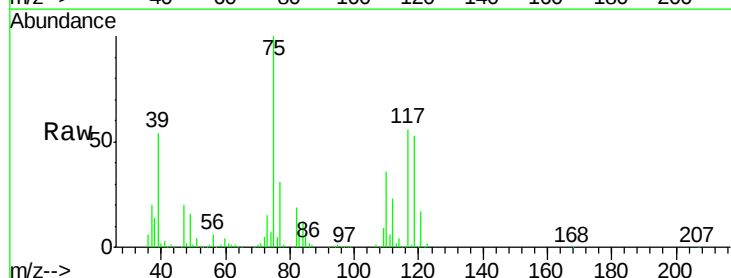
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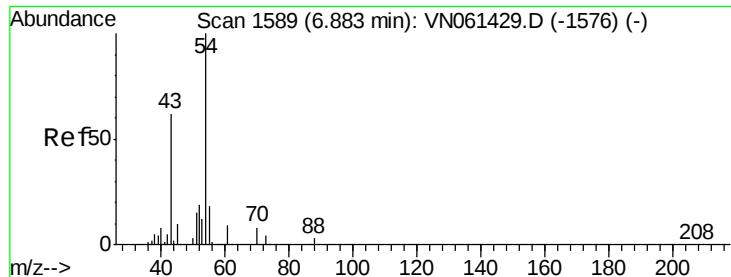
MMDadoda
 5/19/2020 4:25:41 PM



#36
 1,1-Dichloropropene
 Concen: 141.933 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	863747		
110	35.8	17.3	51.9	
77	30.8	24.9	37.3	





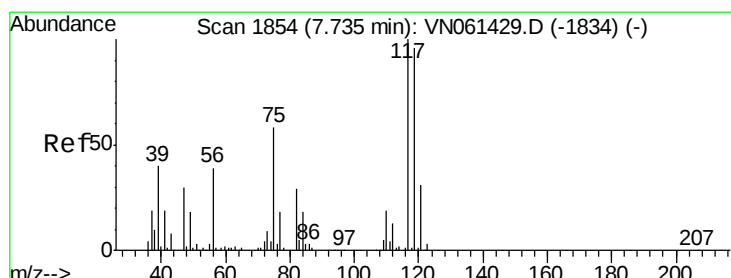
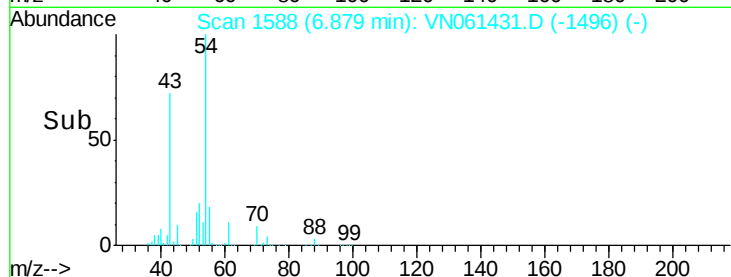
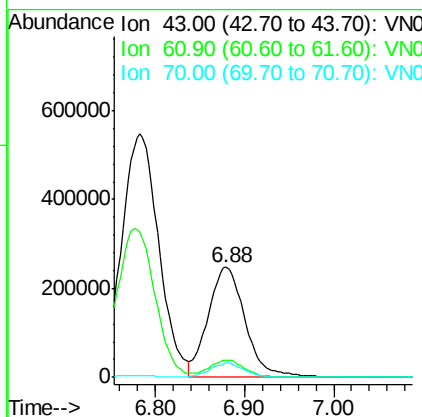
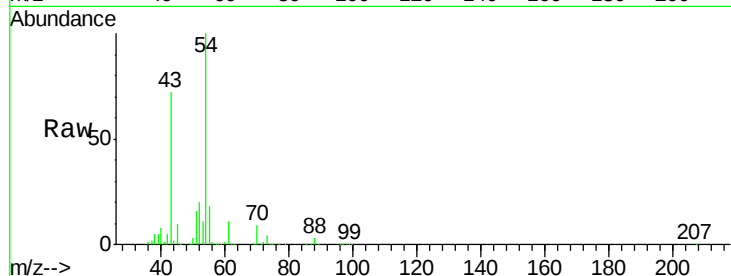
#37
Ethyl Acetate
Concen: 138.984 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.7	17.5
70	11.9	9.2	13.8

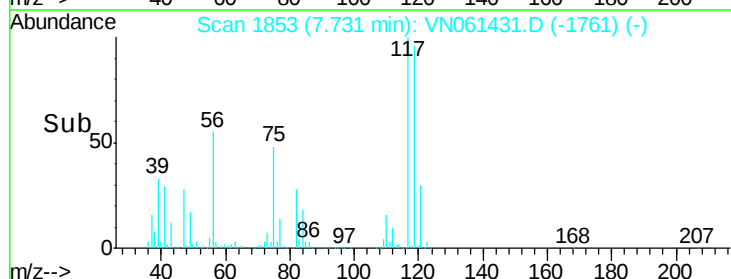
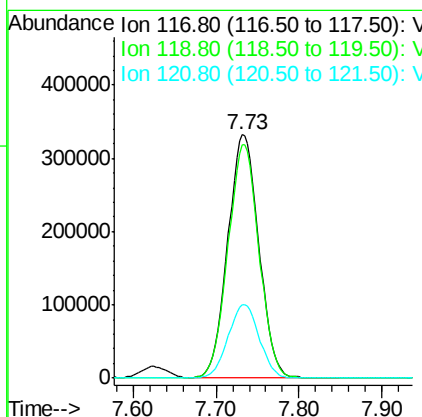
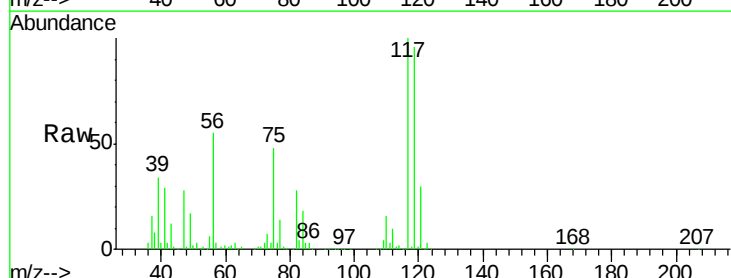
Manual Integrations
APPROVED

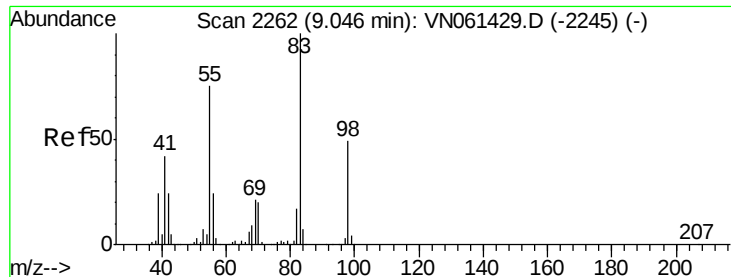
MMDadoda
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#38
Carbon Tetrachloride
Concen: 165.377 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.6
121	30.0	24.7	37.1





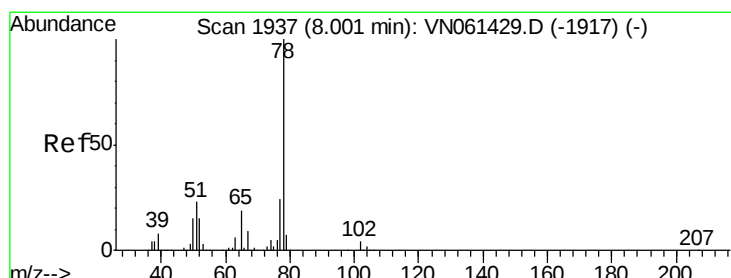
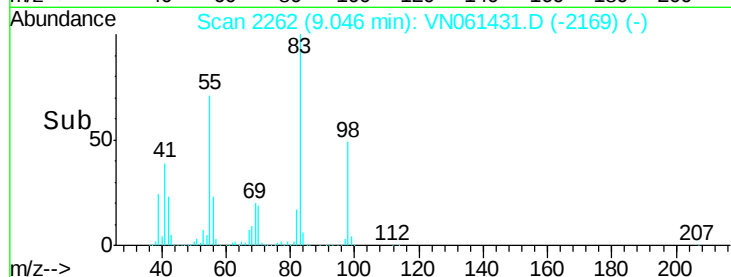
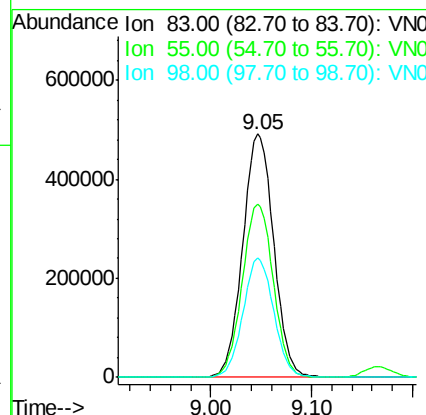
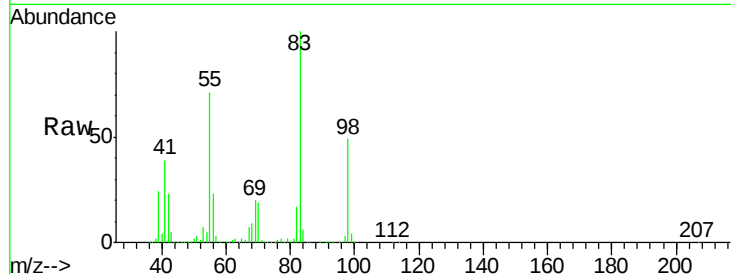
#39
Methvlcvclohexane
Concen: 144.094 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	59.7	89.5
98	49.3	38.9	58.3

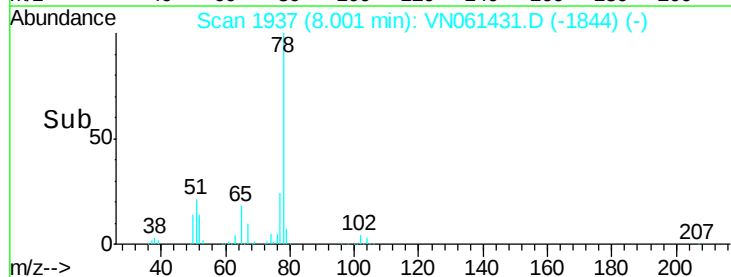
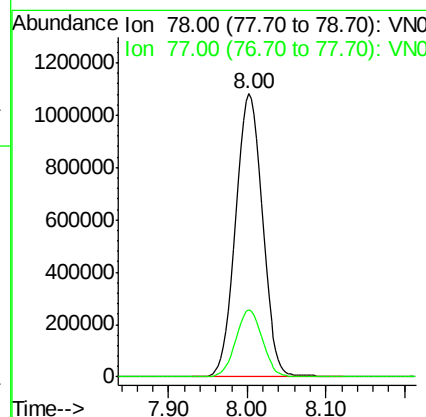
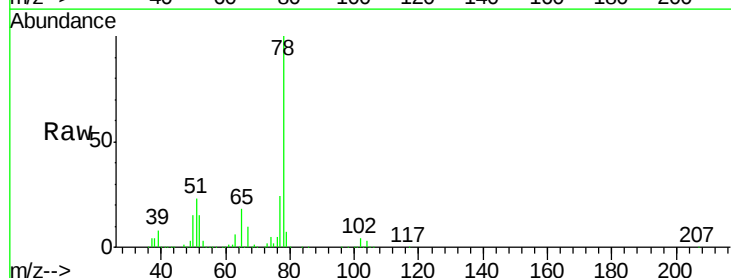
Manual Integrations
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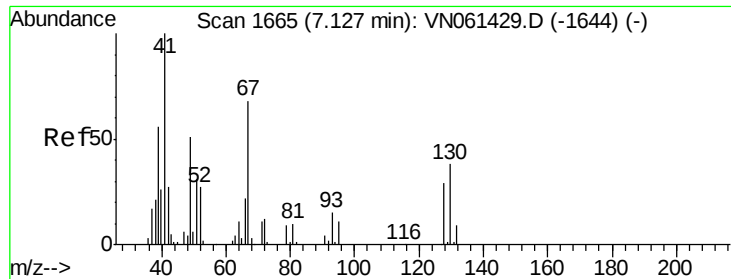
MMDadoda
5/19/2020 4:25:41 PM



#40
Benzene
Concen: 143.742 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





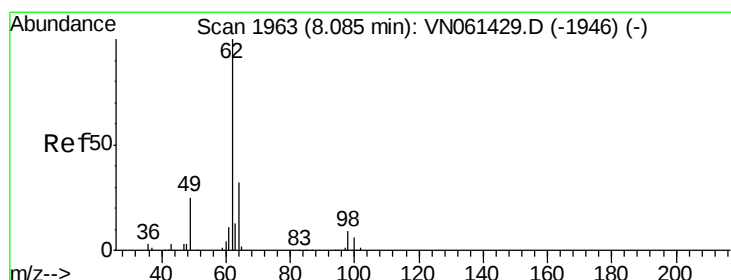
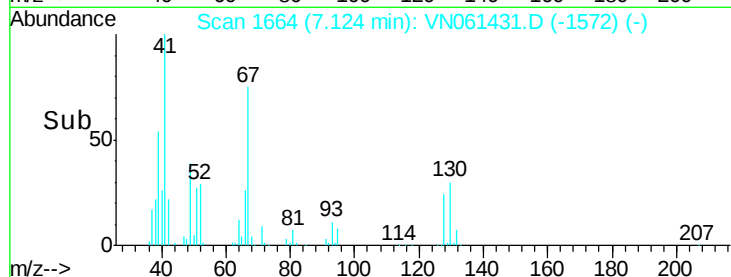
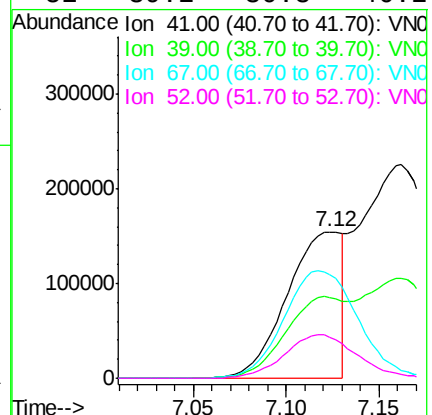
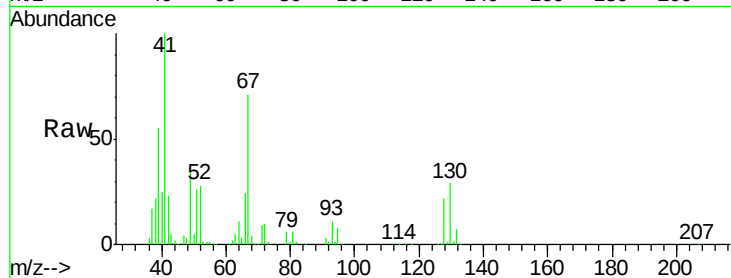
#41
Methacrylonitrile
Concen: 134.320 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.0	48.3	72.5	
67	100.8	74.2	111.4	
52	39.2	30.8	46.2	

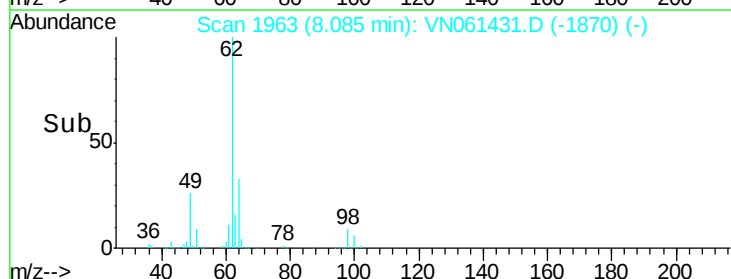
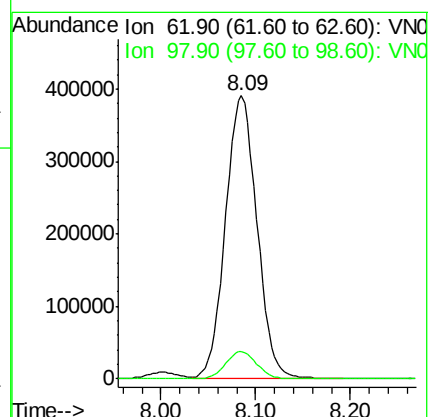
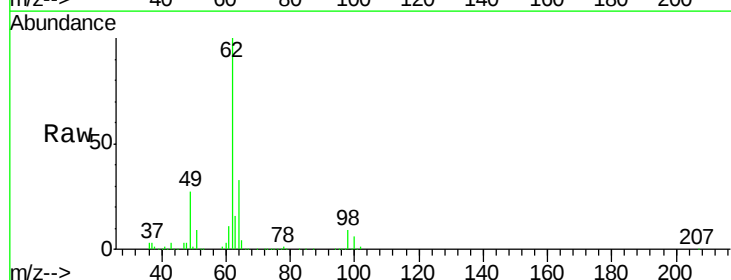
Manual Integrations
APPROVED

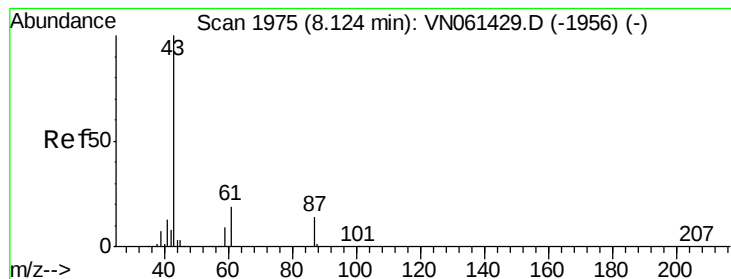
MMDadoda
5/19/2020 4:25:41 PM



#42
1,2-Dichloroethane
Concen: 140.070 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	18.4	





#43

Isopropyl Acetate

Concen: 131.738 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1285048

Ion Ratio Lower Upper

43 100

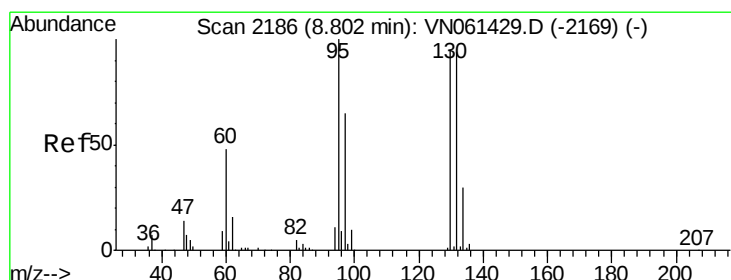
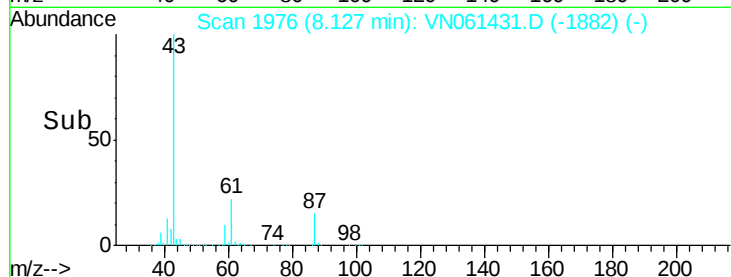
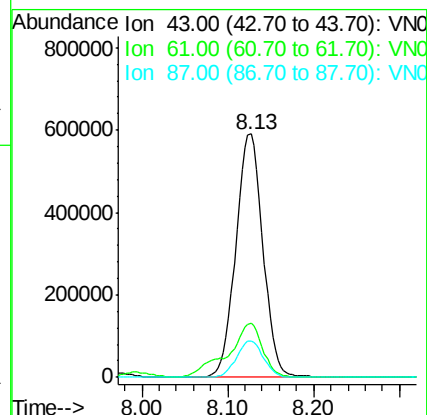
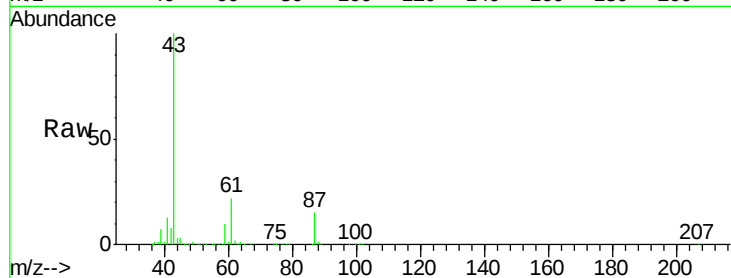
61 28.6 23.0 34.4

87 15.0 11.6 17.4

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#44

Trichloroethene

Concen: 151.816 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061431.D

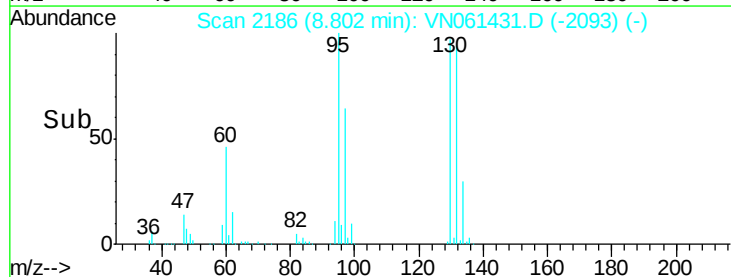
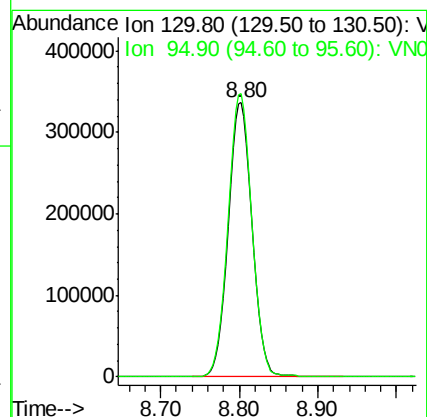
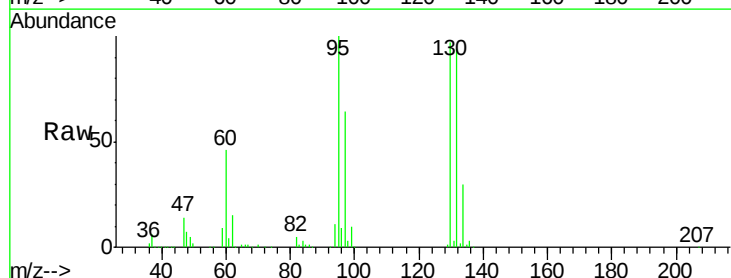
Acq: 18 May 2020 12:47

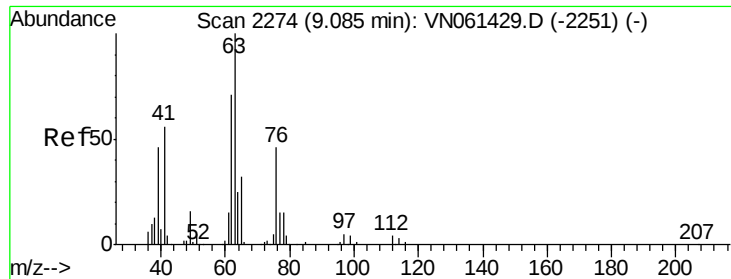
Tgt Ion: 130 Resp: 702638

Ion Ratio Lower Upper

130 100

95 103.2 0.0 209.8





#45

1,2-Dichloropropane

Concen: 142.454 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 642739

Ion Ratio Lower Upper

63 100

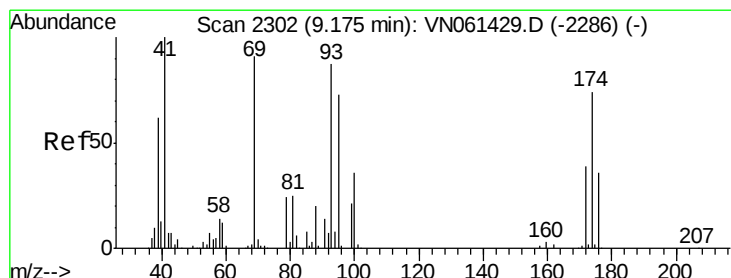
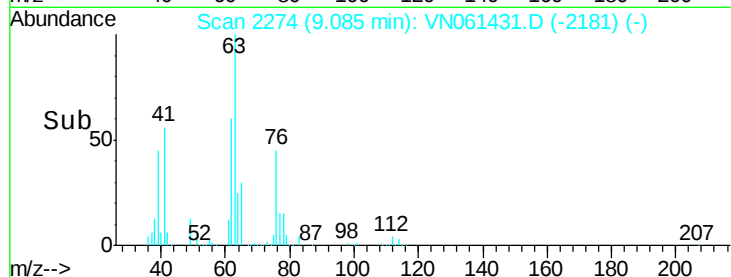
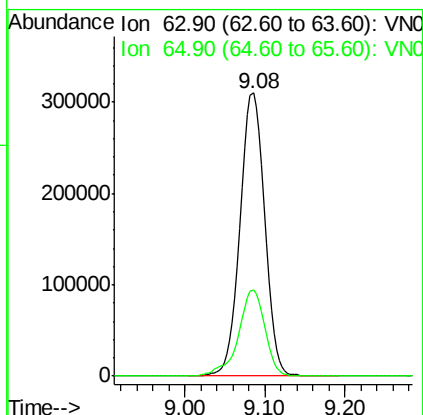
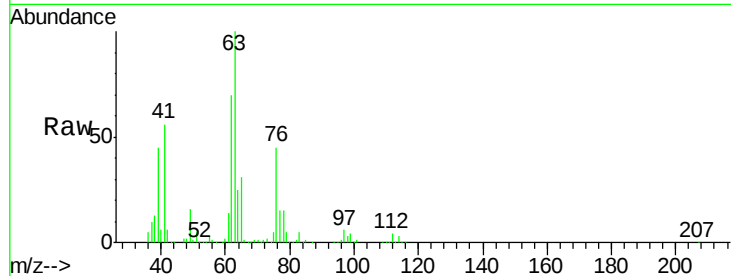
65 30.6 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 150.160 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

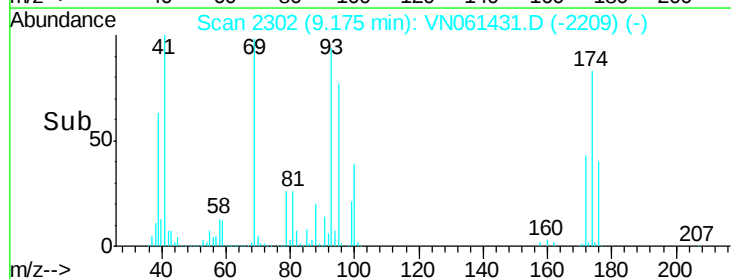
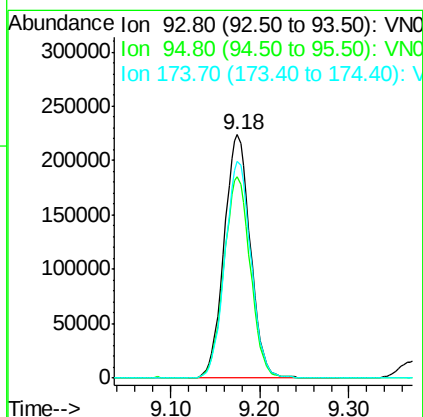
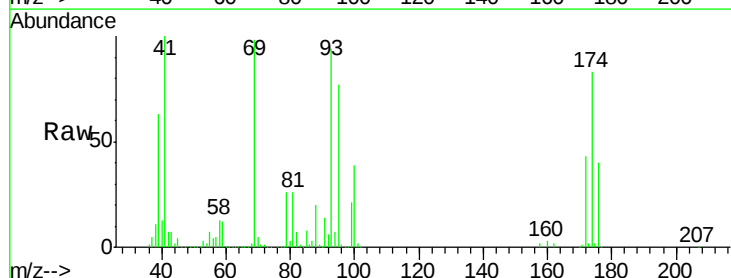
Tgt Ion: 93 Resp: 455590

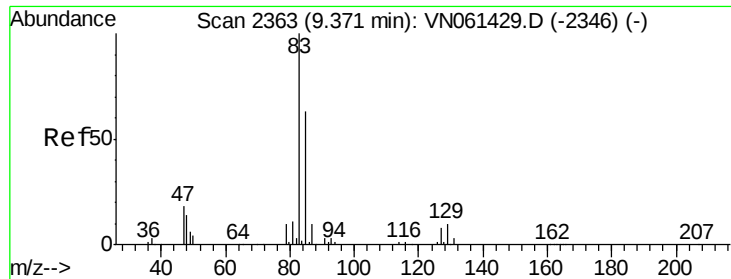
Ion Ratio Lower Upper

93 100

95 83.1 65.6 98.4

174 88.5 68.0 102.0





#47

Bromodichloromethane

Concen: 147.158 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

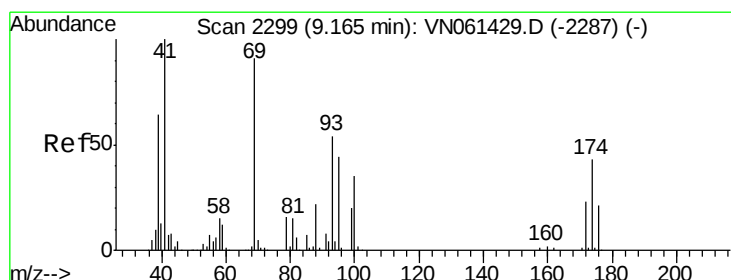
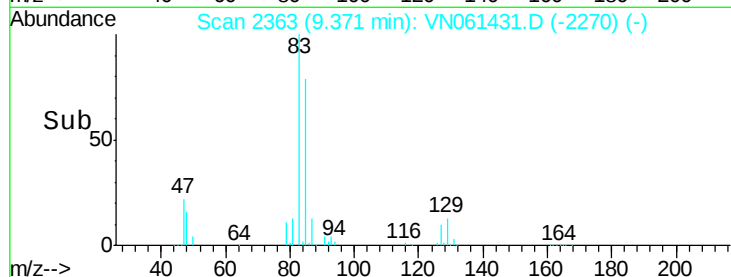
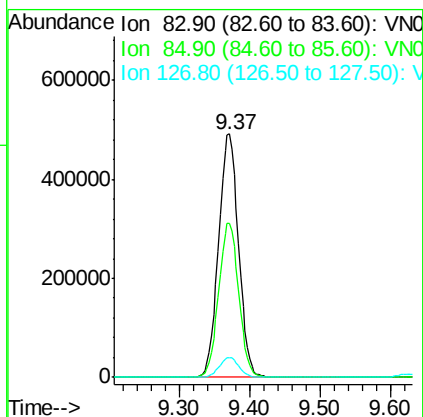
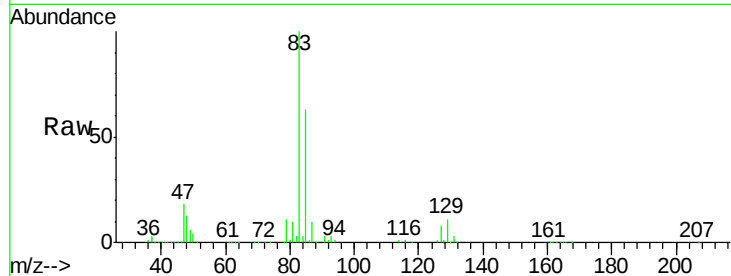
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	969308
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.6	76.0
127	8.2	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 131.996 ug/l

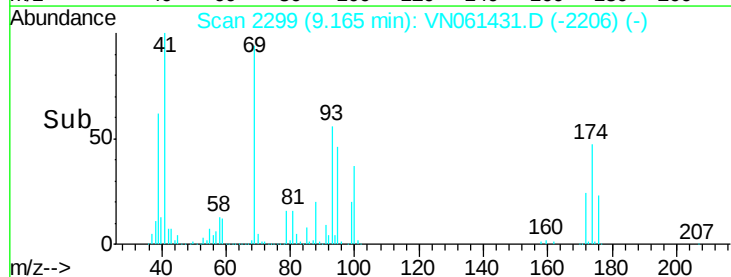
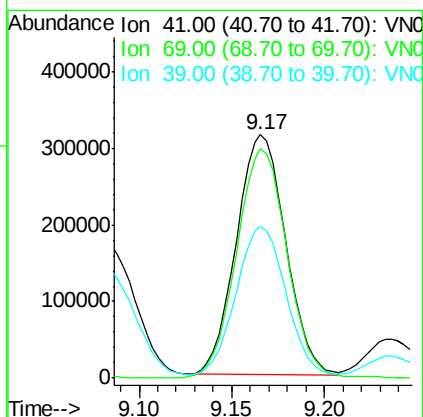
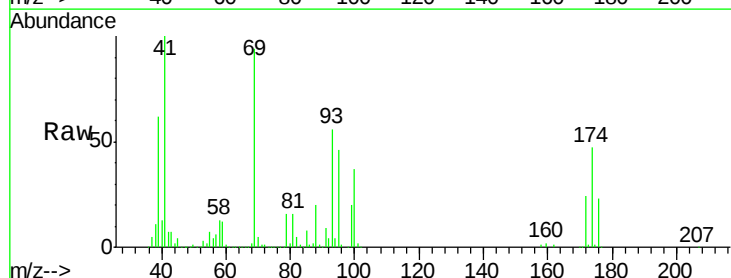
RT: 9.17 min Scan# 2299

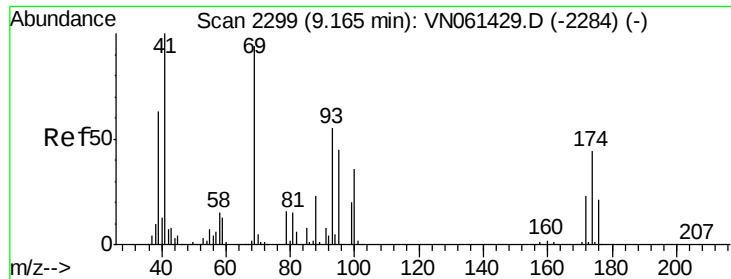
Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion:	41	Resp:	582655
Ion Ratio	Lower	Upper	
41	100		
69	97.7	75.3	112.9
39	64.6	52.6	79.0





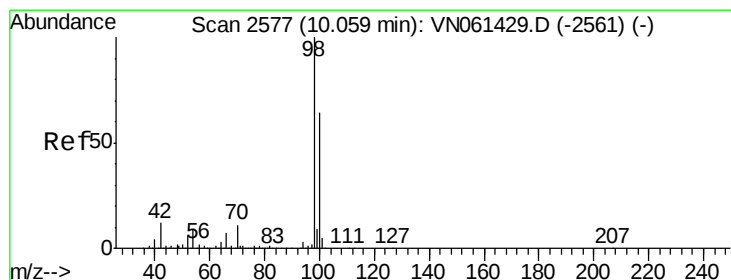
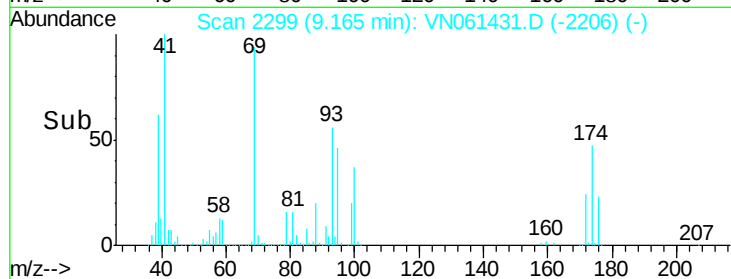
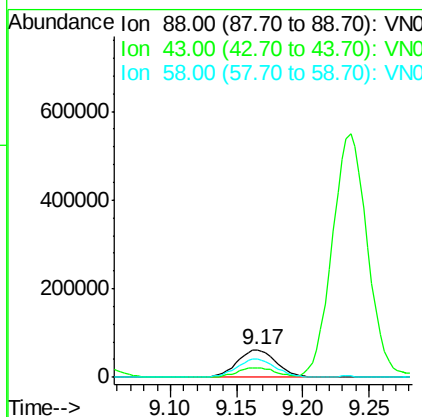
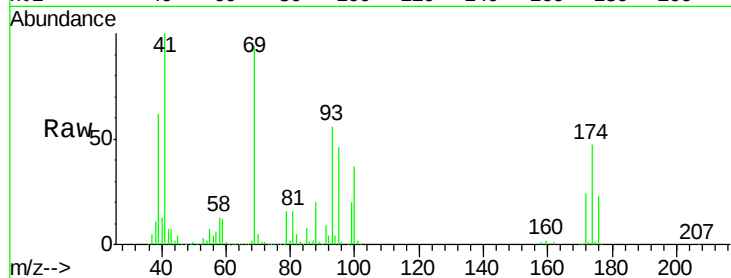
#49
 1,4-Dioxane
 Concen: 4451.251 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	127445		
43	33.8	26.3	39.5	
58	66.9	54.1	81.1	

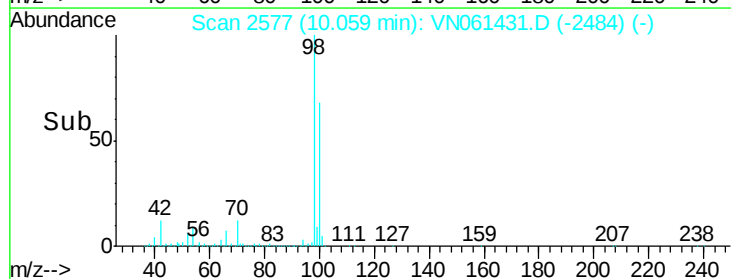
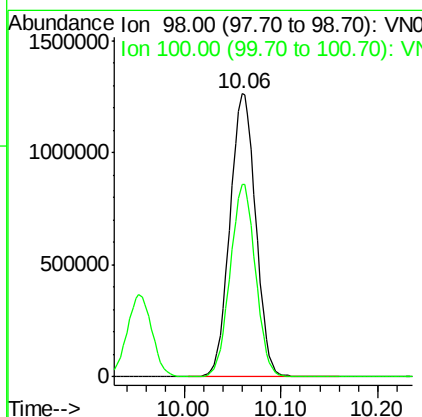
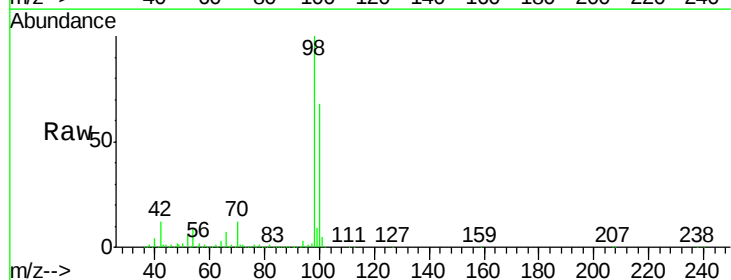
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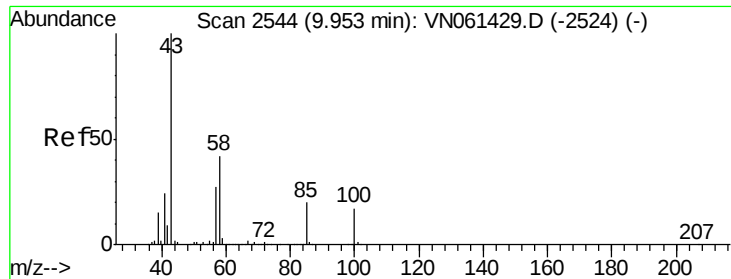
MMDadoda
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#50
 Toluene-d8
 Concen: 154.637 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2340762		
100	66.8	51.8	77.8	





#51

4-Methyl-2-Pentanone

Concen: 658.910 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3461032

Ion Ratio Lower Upper

43 100

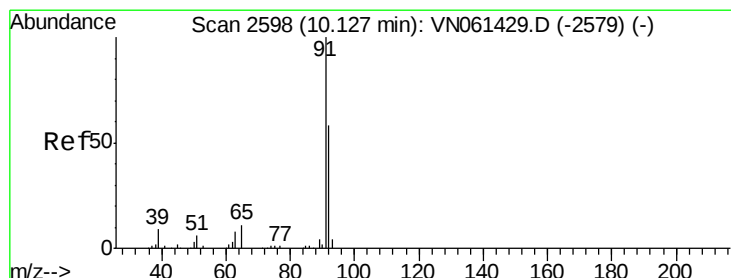
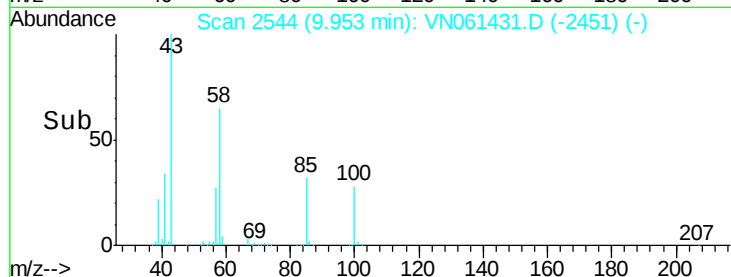
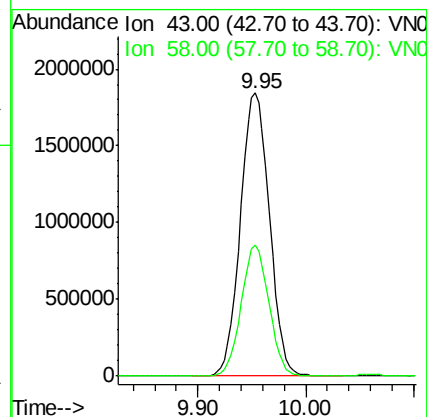
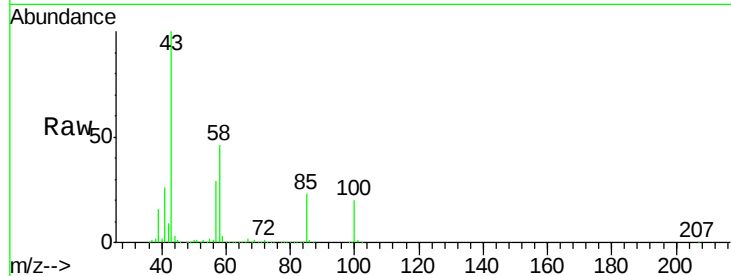
58 44.2 33.4 50.2

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#52

Toluene

Concen: 150.994 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061431.D

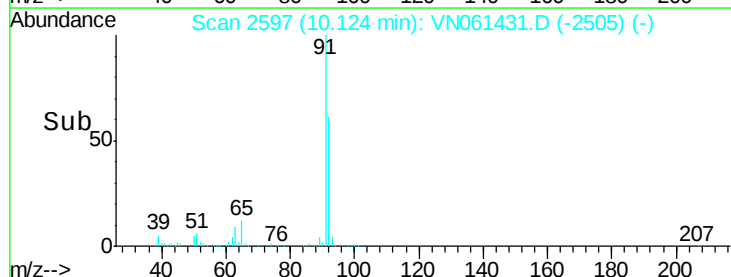
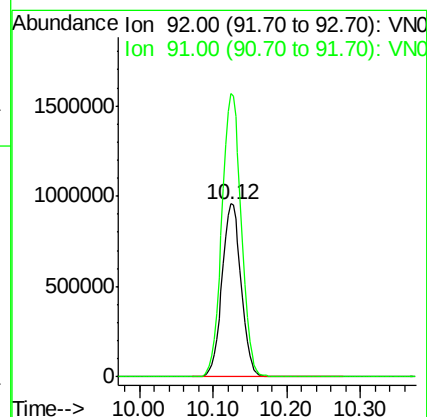
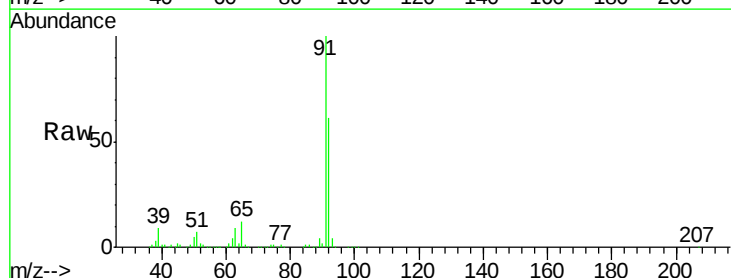
Acq: 18 May 2020 12:47

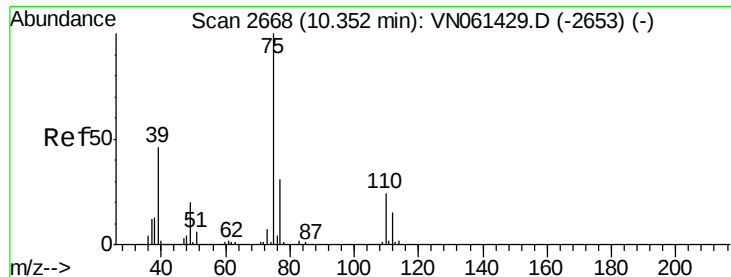
Tgt Ion: 92 Resp: 1716704

Ion Ratio Lower Upper

92 100

91 166.3 138.0 207.0





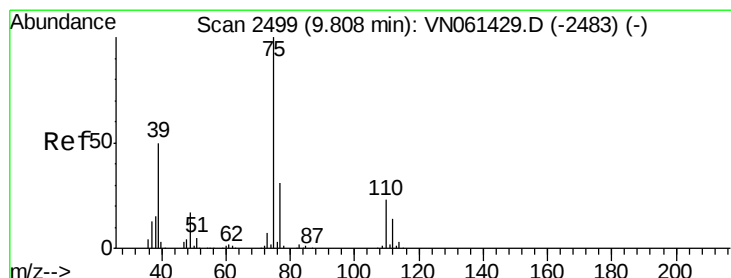
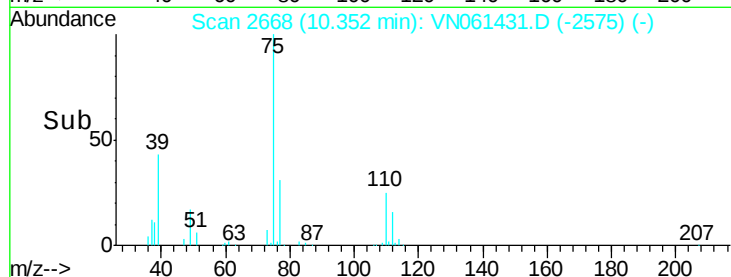
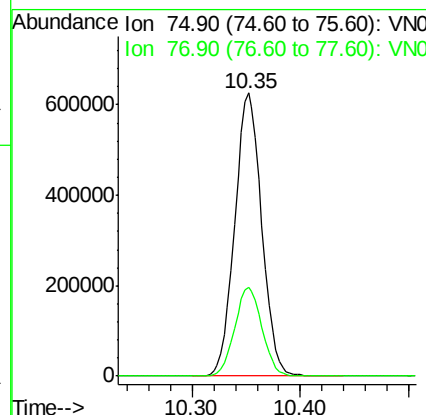
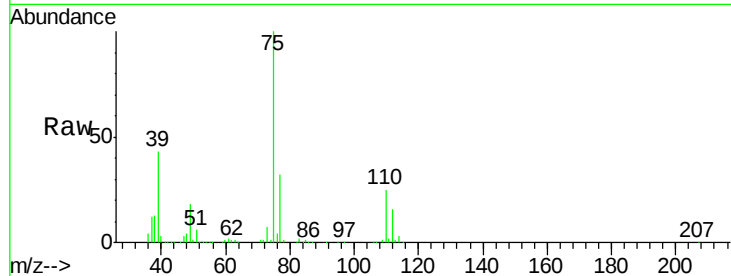
#53
t-1,3-Dichloropropene
Concen: 151.447 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1090897
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2

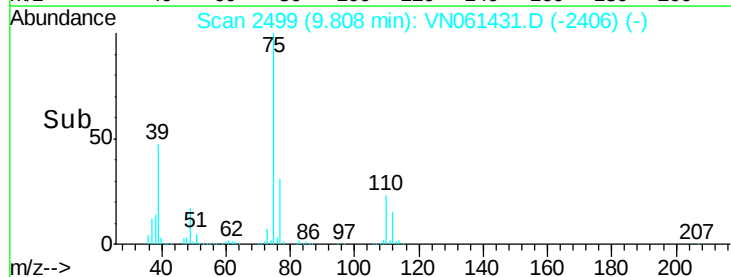
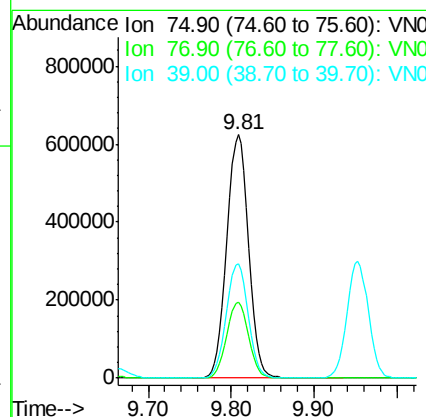
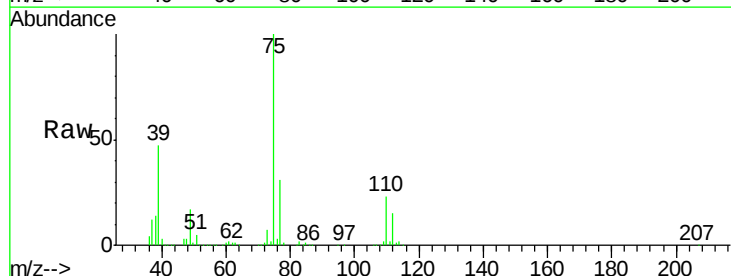
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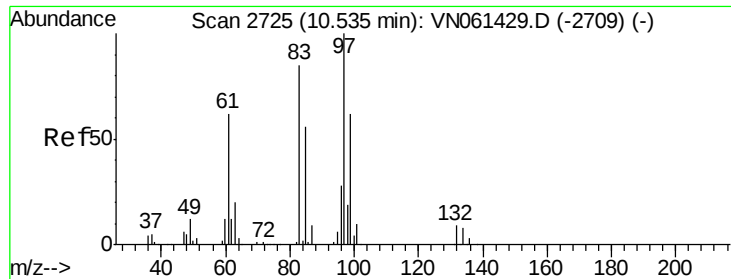
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#54
cis-1,3-Dichloropropene
Concen: 149.544 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 75 Resp: 1136157
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 46.9 39.8 59.6





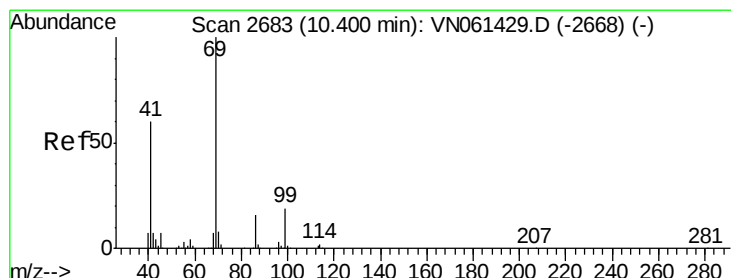
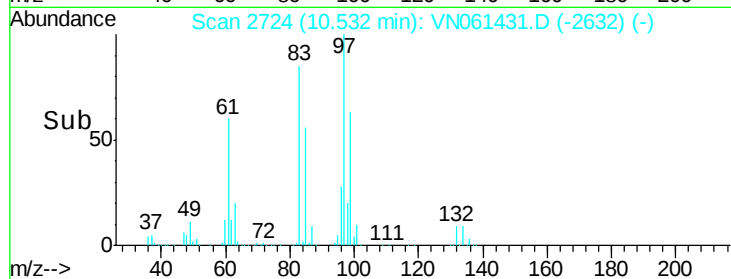
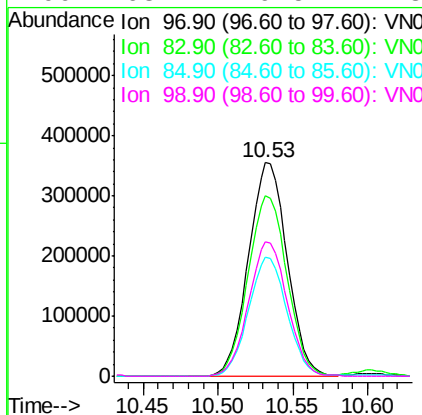
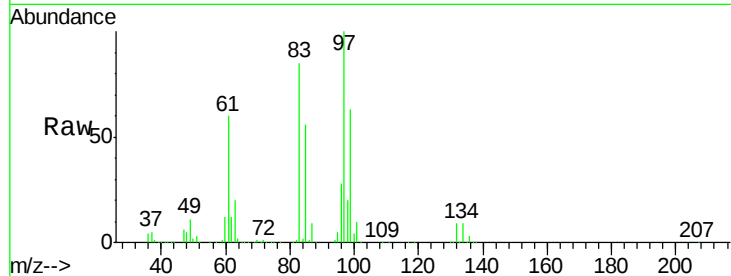
#55
 1,1,2-Trichloroethane
 Concen: 151.526 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	640962
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.2	102.4
85	55.7	44.6	67.0
99	63.1	49.5	74.3

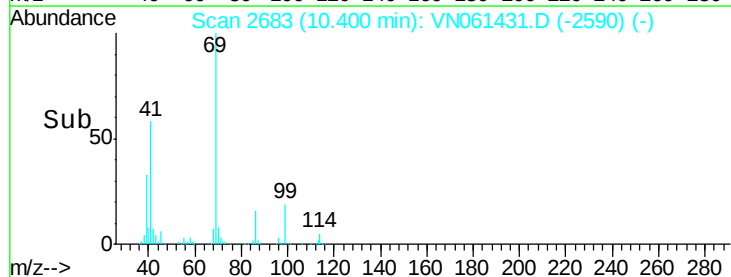
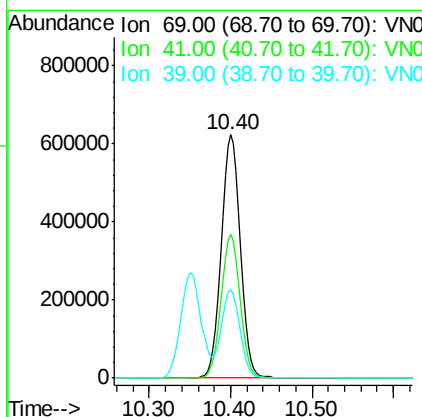
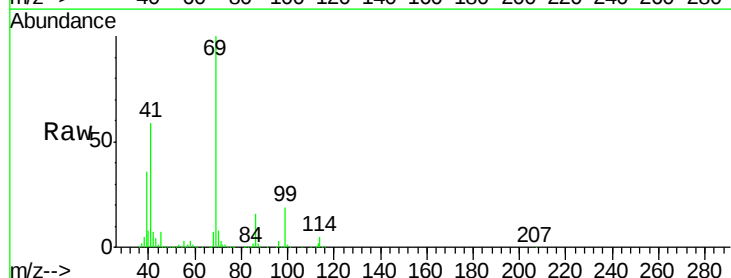
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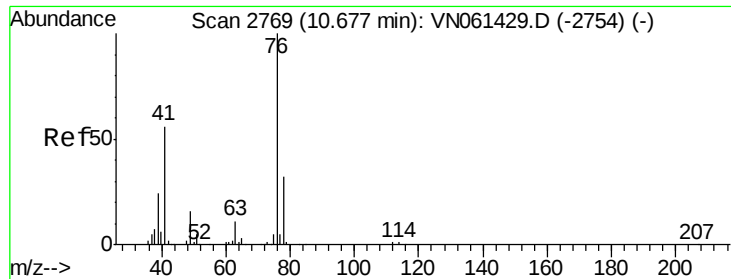
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#56
 Ethyl methacrylate
 Concen: 149.673 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion:	69	Resp:	1035190
Ion	Ratio	Lower	Upper
69	100		
41	58.4	48.3	72.5
39	35.5	30.2	45.2





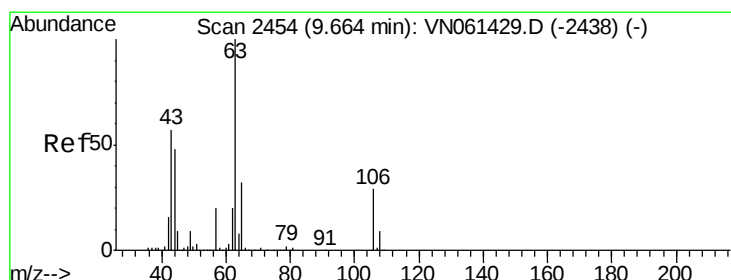
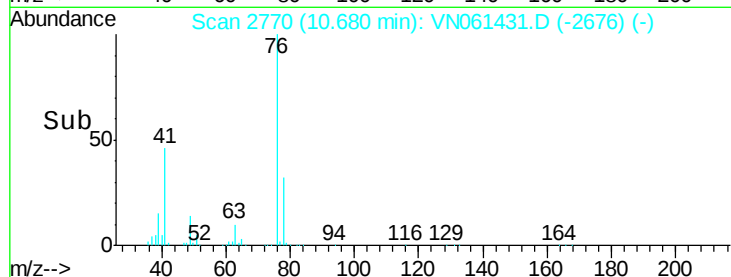
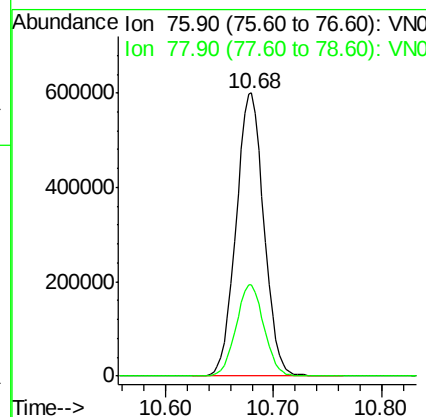
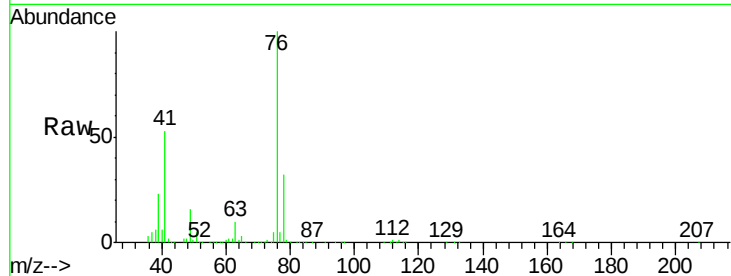
#57
 1,3-Dichloropropane
 Concen: 146.304 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1078259
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.0 39.0

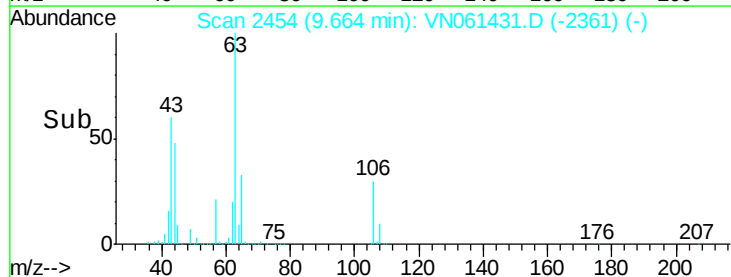
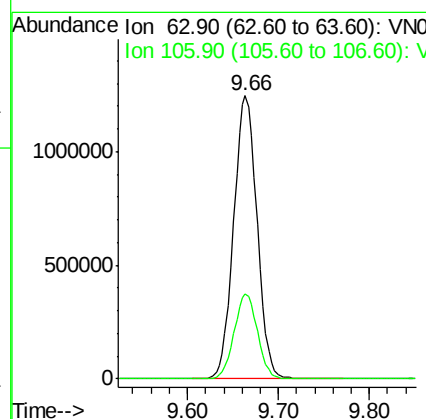
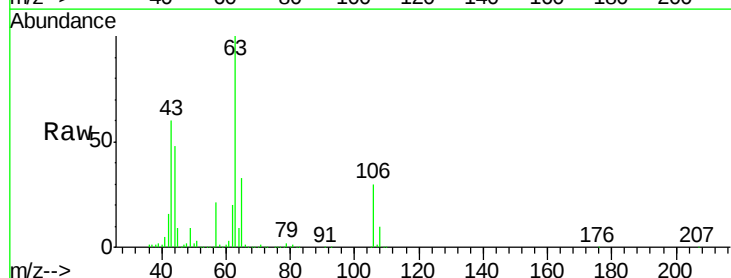
Manual Integrations
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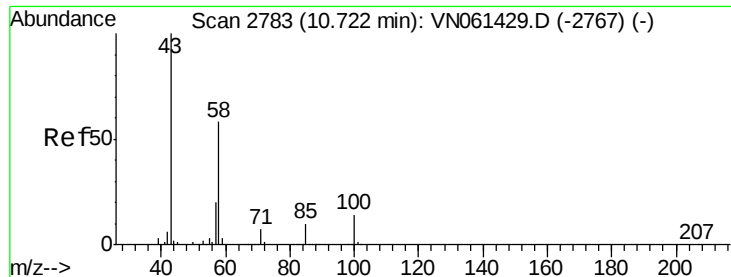
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#58
 2-Chloroethyl Vinyl ether
 Concen: 761.459 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion: 63 Resp: 2224457
 Ion Ratio Lower Upper
 63 100
 106 29.9 22.7 34.1





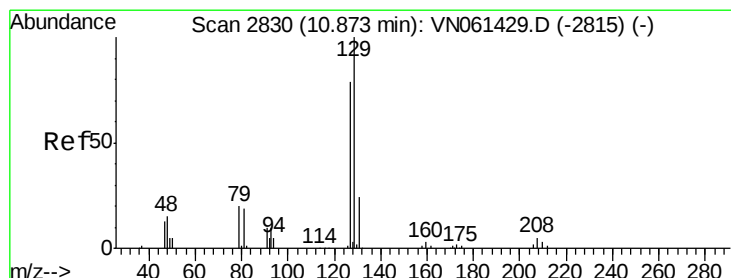
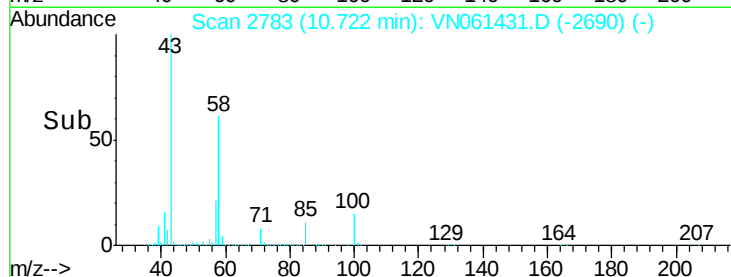
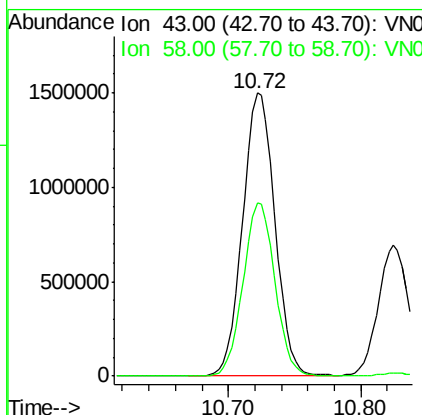
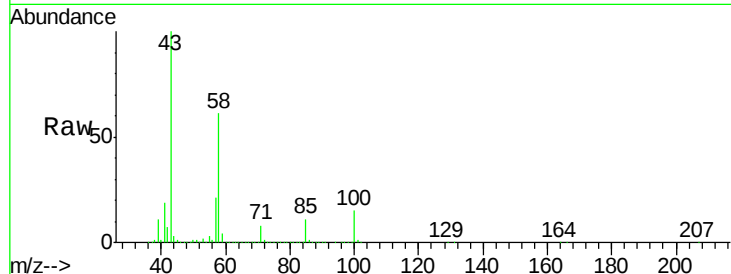
#59
2-Hexanone
Concen: 704.397 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2534589
Ion Ratio Lower Upper
43 100
58 60.5 29.2 87.6

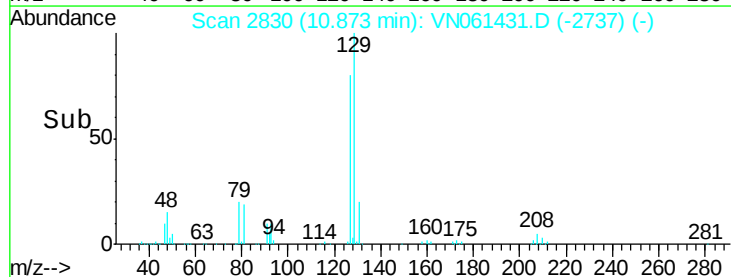
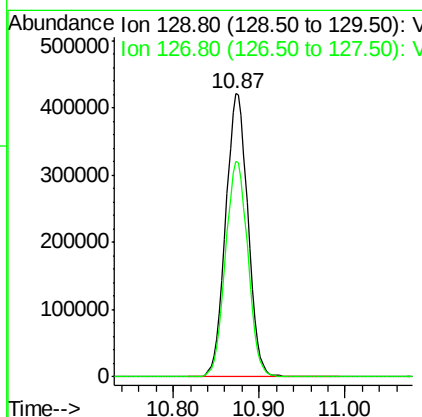
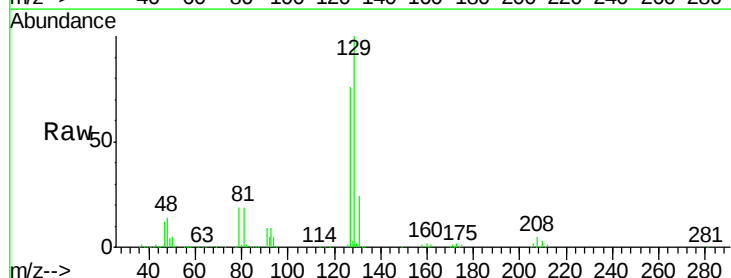
Manual Integrations
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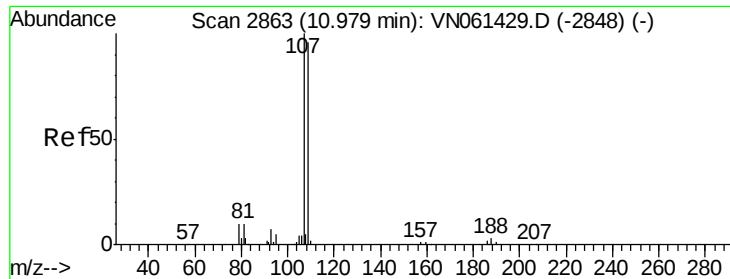
MMDadoda
5/19/2020 4:25:41 PM



#60
Dibromochloromethane
Concen: 160.977 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion:129 Resp: 757053
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.3





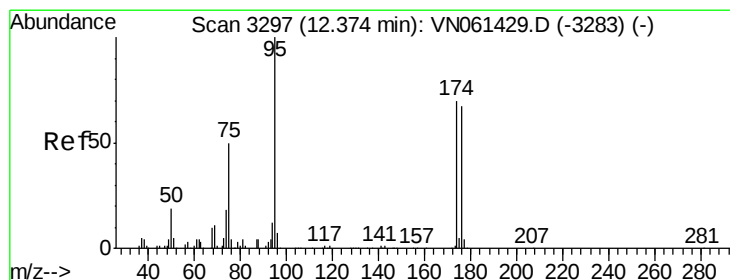
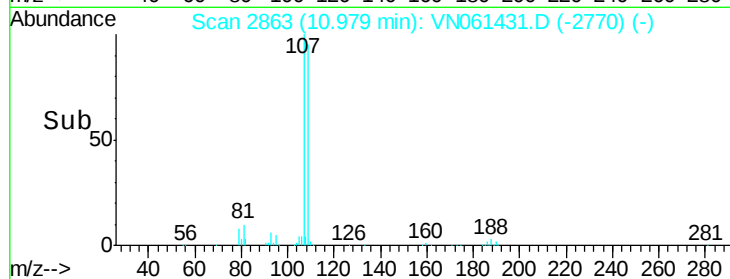
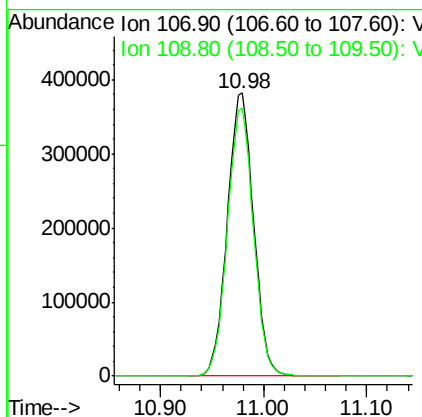
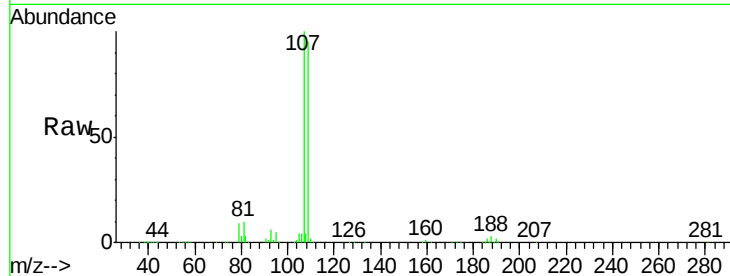
#61
 1,2-Dibromoethane
 Concen: 152.347 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.7	113.5

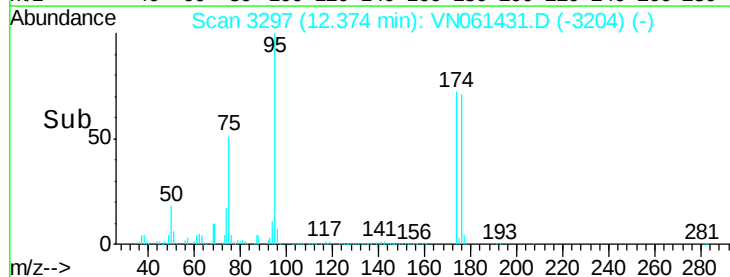
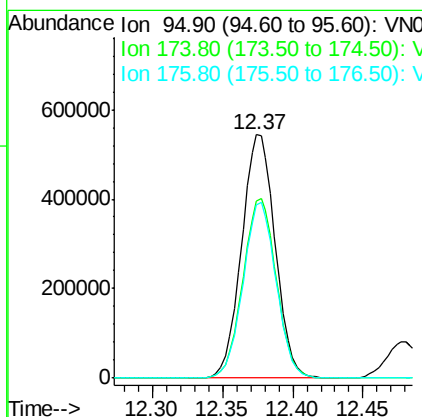
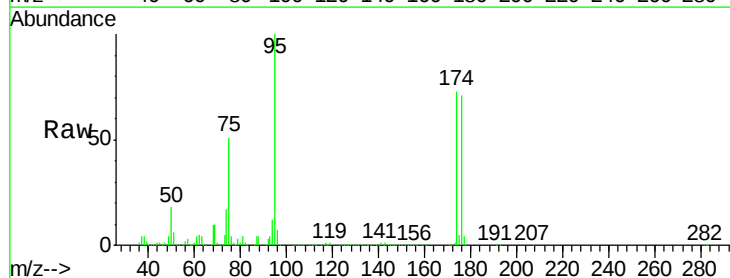
Manual Integrations
 APPROVED

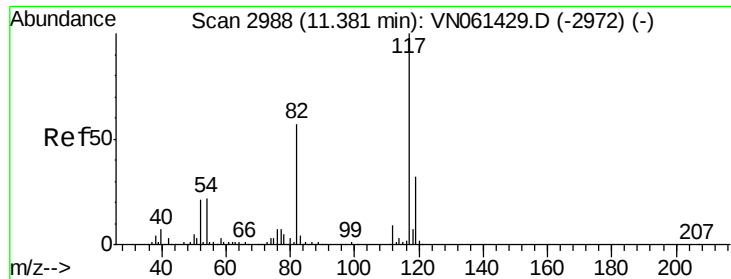
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 162.278 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	141.2
176	71.1	0.0	137.6





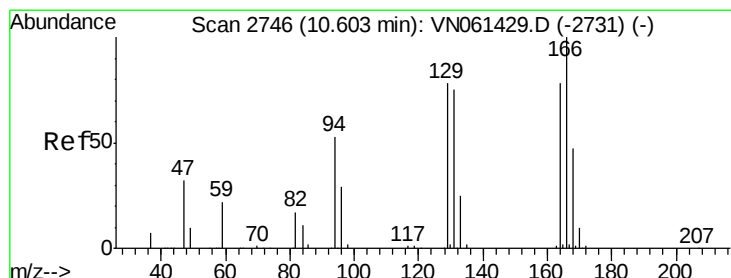
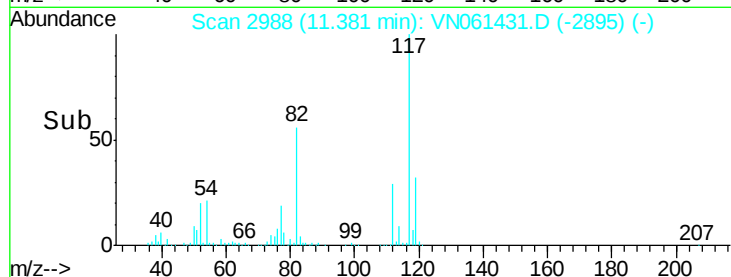
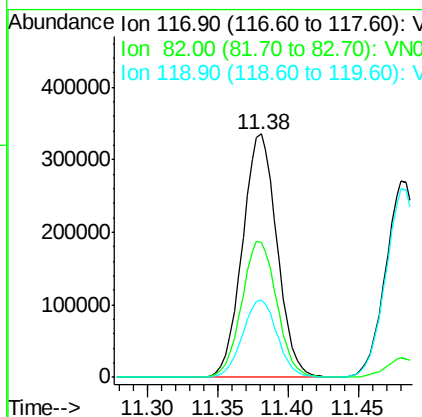
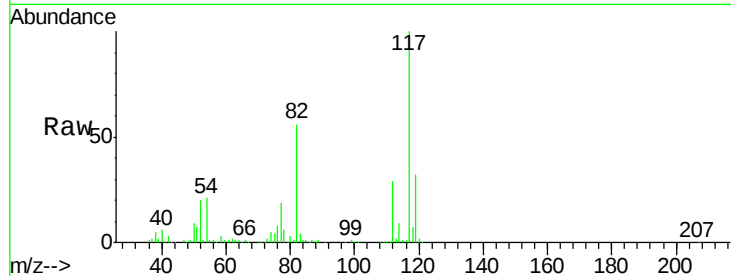
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	577565		
82	55.6	45.2	67.8	
119	31.9	25.3	37.9	

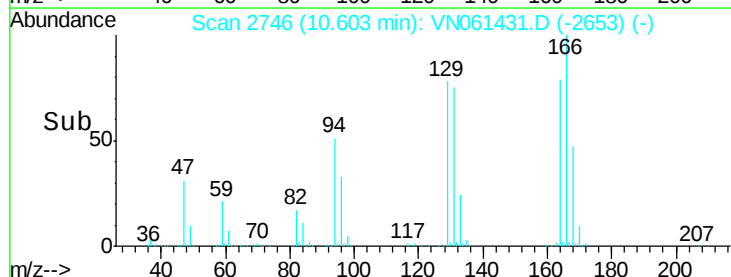
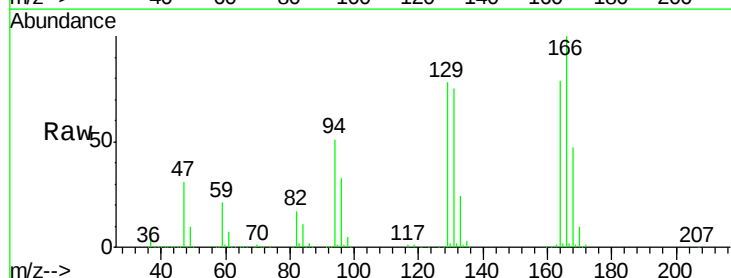
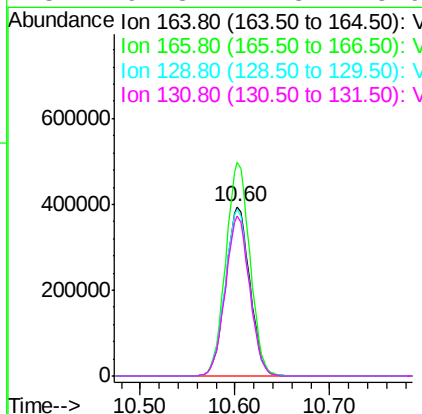
Manual Integrations
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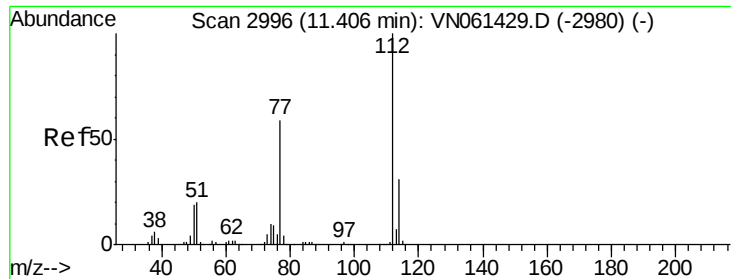
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#64
Tetrachloroethene
Concen: 154.959 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	700703		
166	126.1	103.2	154.8	
129	98.5	81.0	121.4	
131	94.3	77.3	115.9	





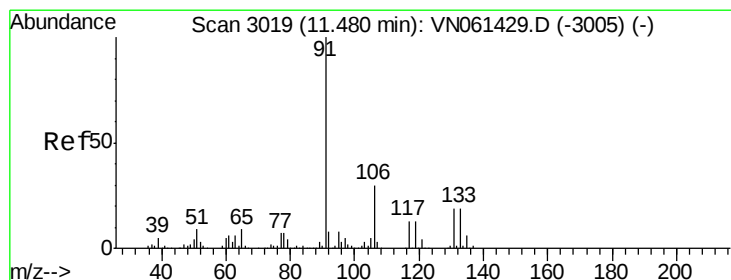
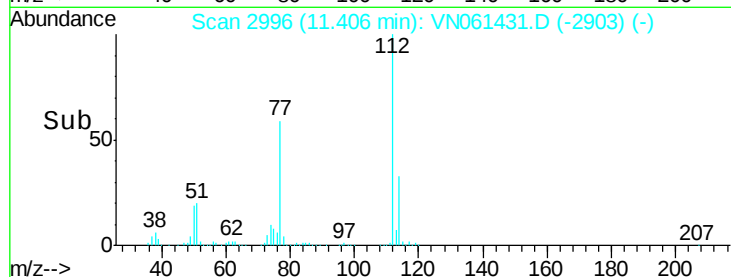
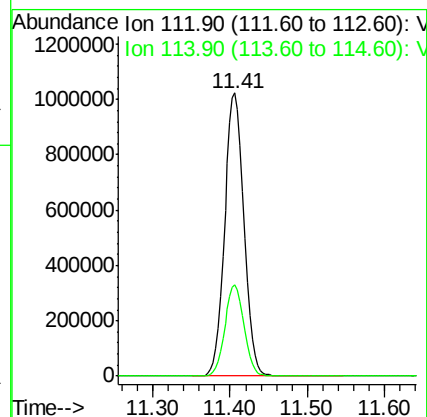
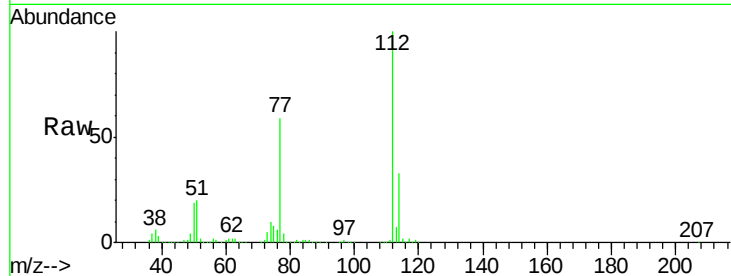
#65
Chlorobenzene
Concen: 148.865 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1784488
Ion Ratio Lower Upper
112 100
114 32.5 25.0 37.6

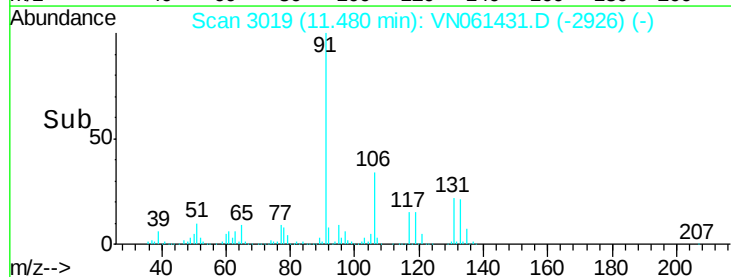
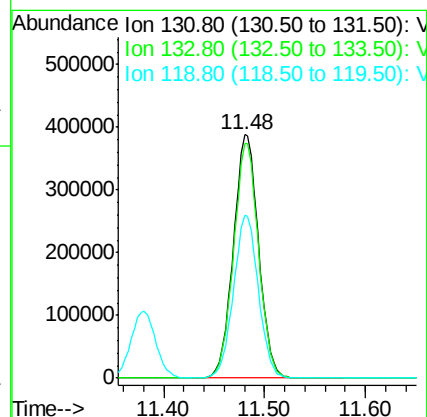
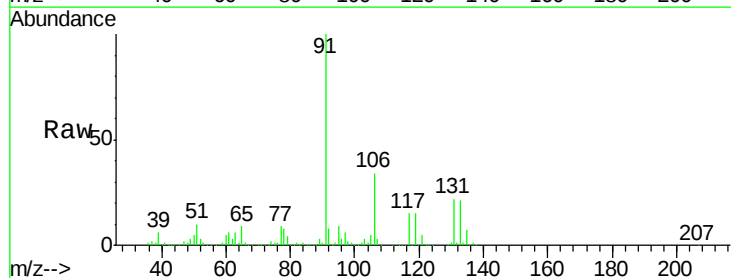
Manual Integrations
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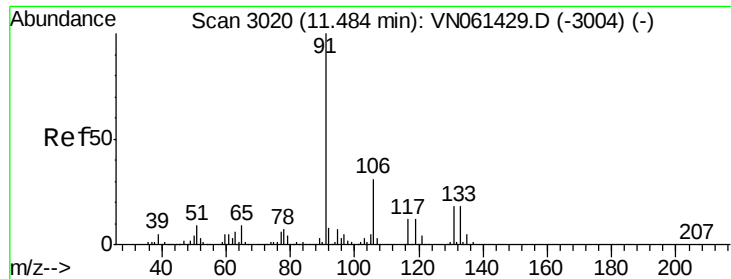
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#66
1,1,1,2-Tetrachloroethane
Concen: 159.222 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion:131 Resp: 673686
Ion Ratio Lower Upper
131 100
133 95.9 48.7 146.1
119 66.4 33.8 101.3





#67

Ethyl Benzene

Concen: 142.489 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3164076

Ion Ratio Lower Upper

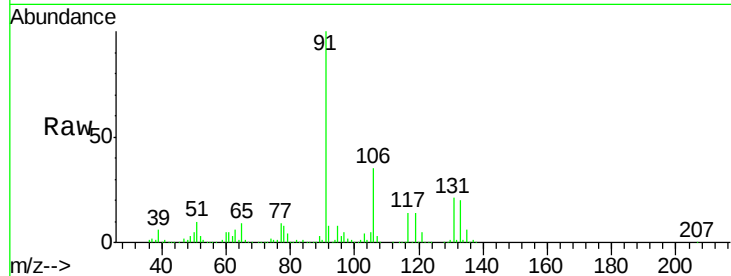
91 100

106 34.6 24.6 36.8

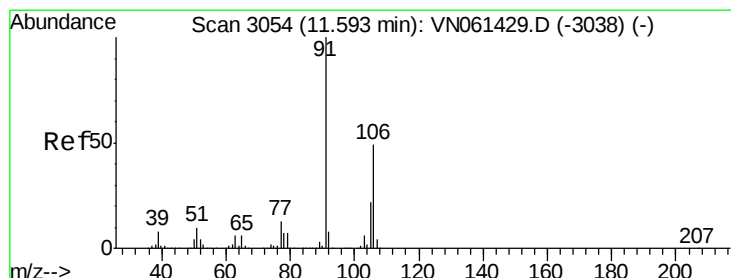
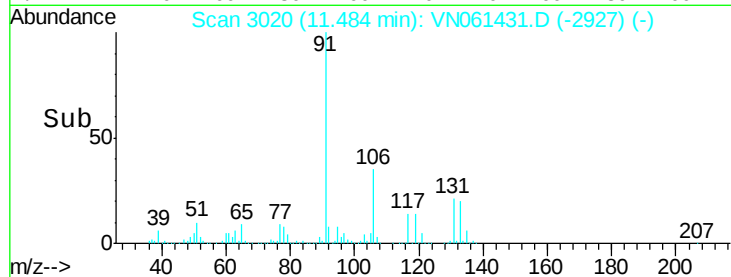
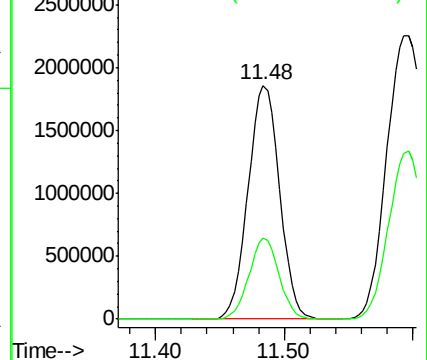
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN061431.D (-2927) (-)



#68

m/p-Xylenes

Concen: 306.961 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061431.D

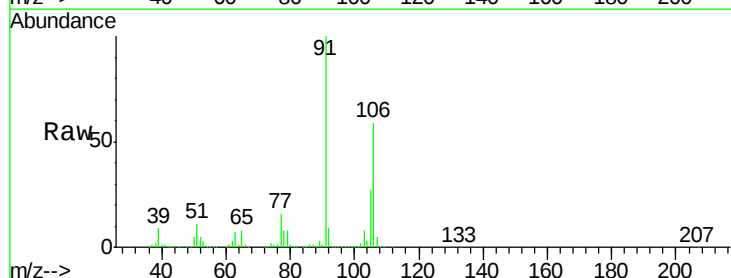
Acq: 18 May 2020 12:47

Tgt Ion: 106 Resp: 2560719

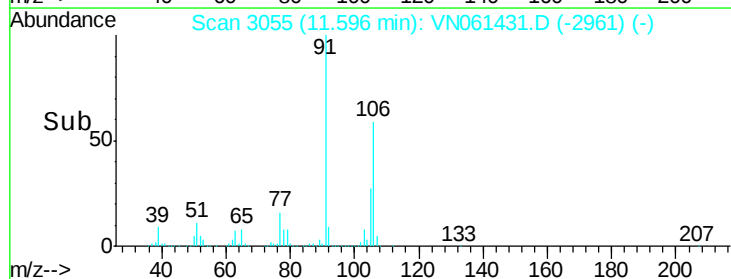
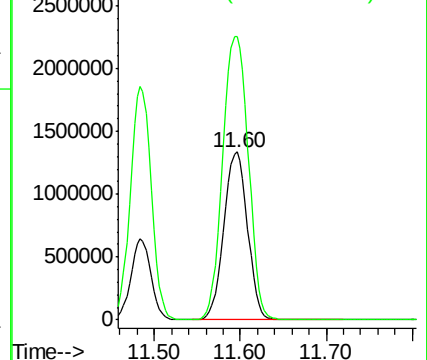
Ion Ratio Lower Upper

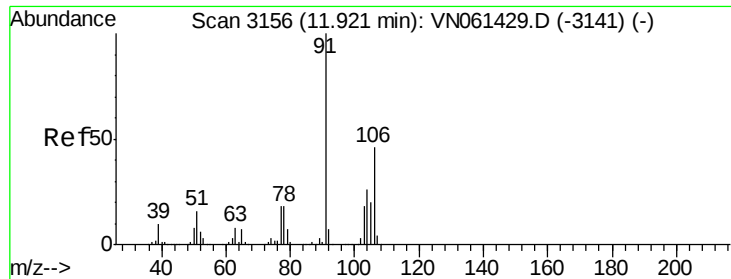
106 100

91 182.8 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): VN061431.D (-2961) (-)





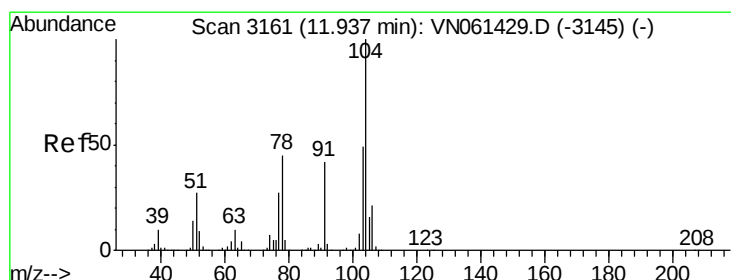
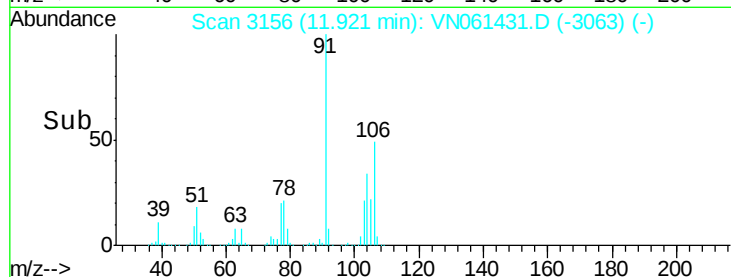
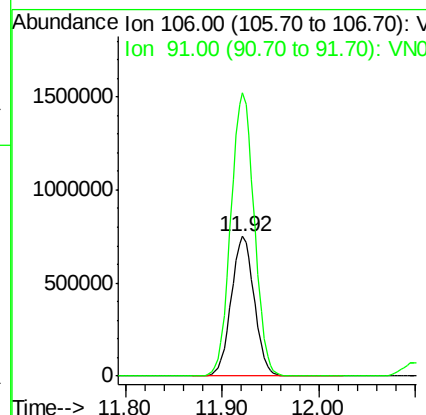
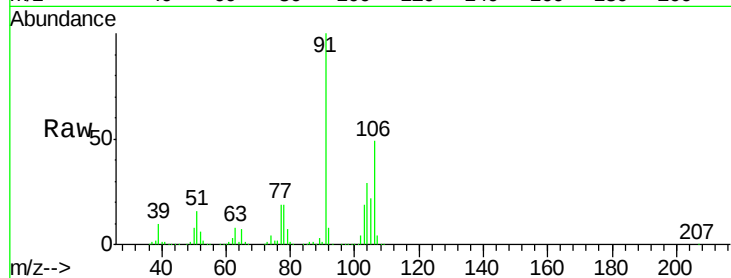
#69
o-Xylene
Concen: 152.929 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1237442
Ion Ratio Lower Upper
106 100
91 206.6 107.9 323.7

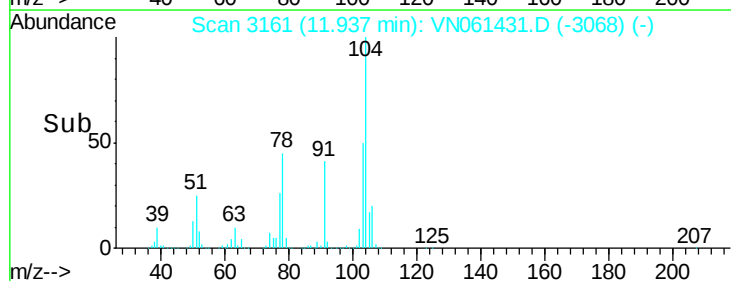
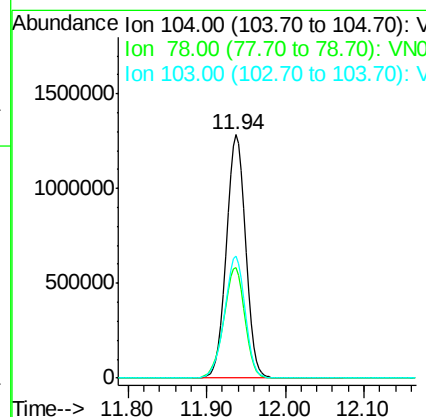
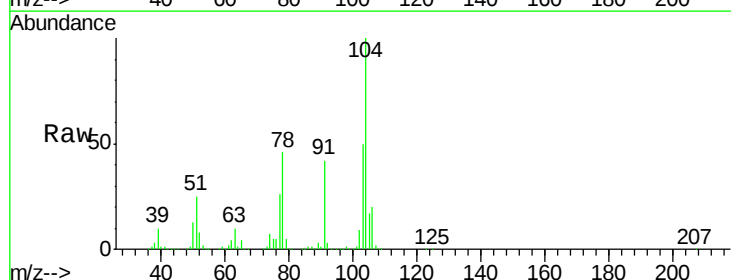
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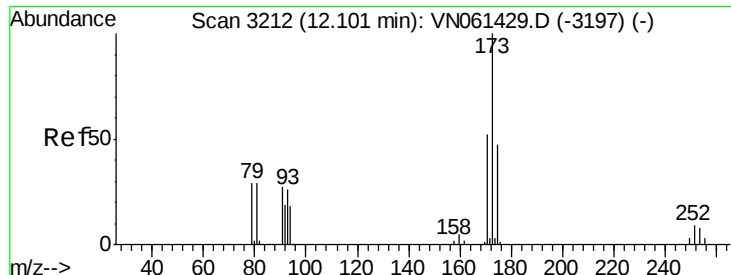
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#70
Styrene
Concen: 159.233 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion:104 Resp: 2163230
Ion Ratio Lower Upper
104 100
78 49.7 40.7 61.1
103 53.5 43.0 64.4





#71

Bromoform

Concen: 172.020 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

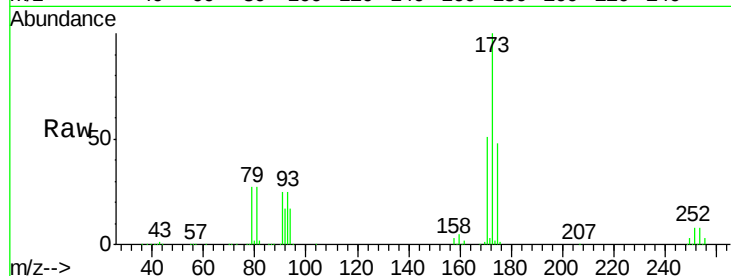
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.9	71.8
254	0.1	0.0	0.0

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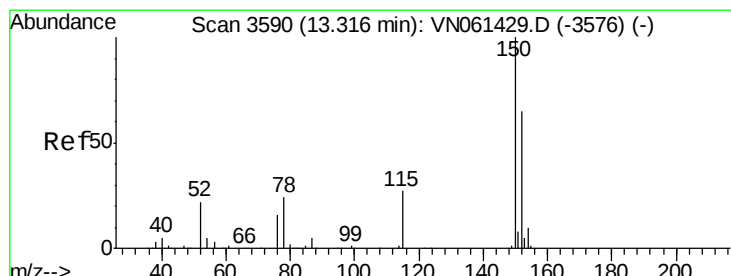
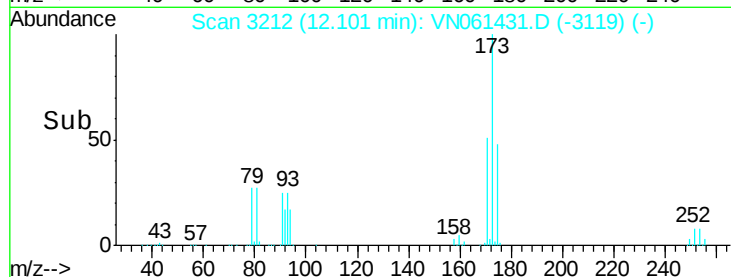
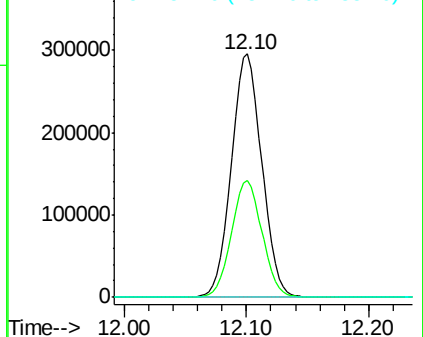


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

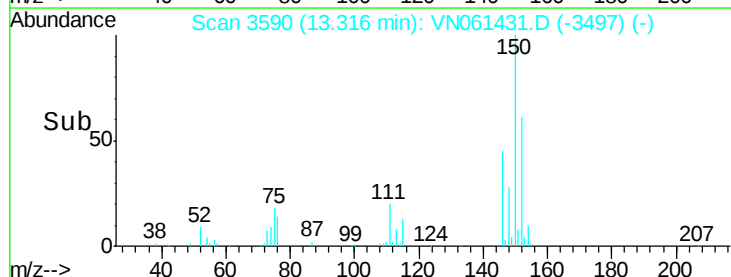
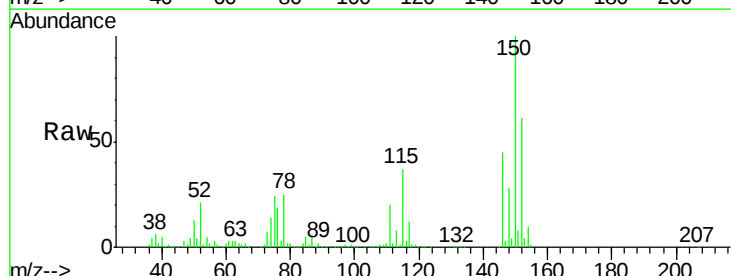
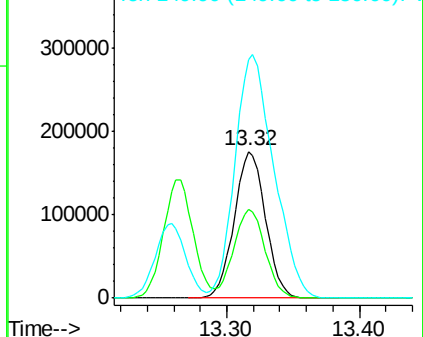
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.9	92.5
150	207.2	0.0	349.2

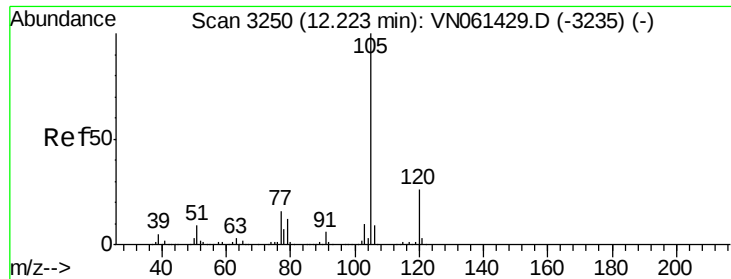
Abundance

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: 135.721 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3159383

Ion Ratio Lower Upper

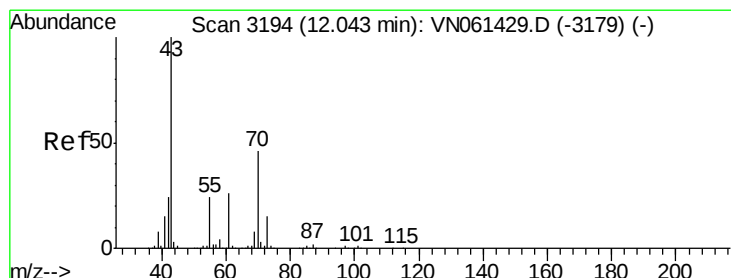
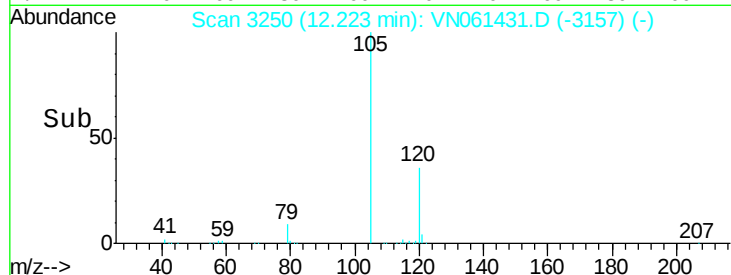
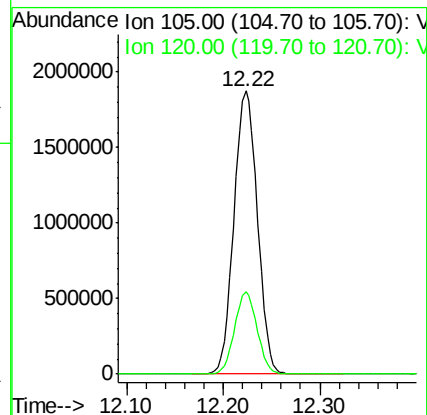
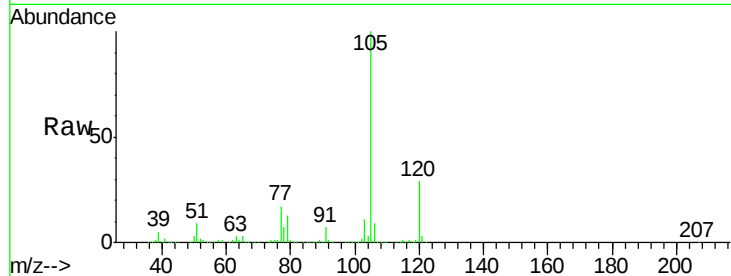
105 100

120 28.0 13.0 39.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 129.889 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion: 43 Resp: 1182602

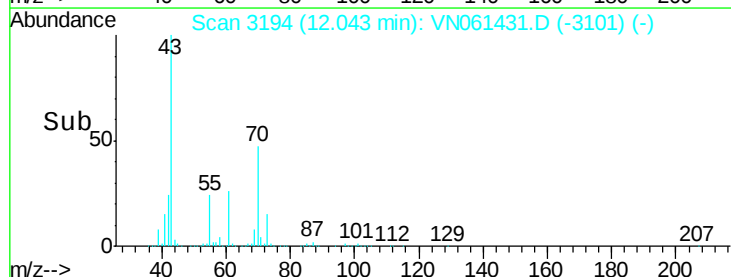
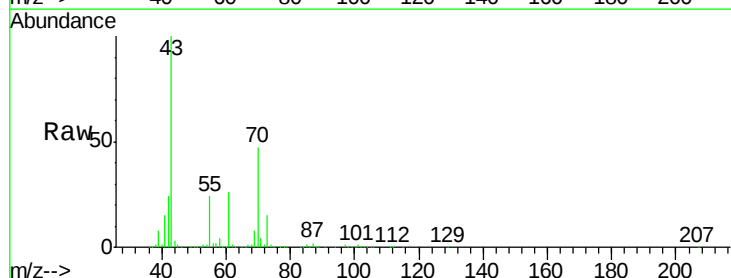
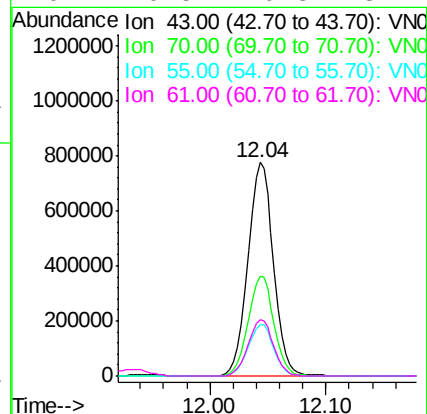
Ion Ratio Lower Upper

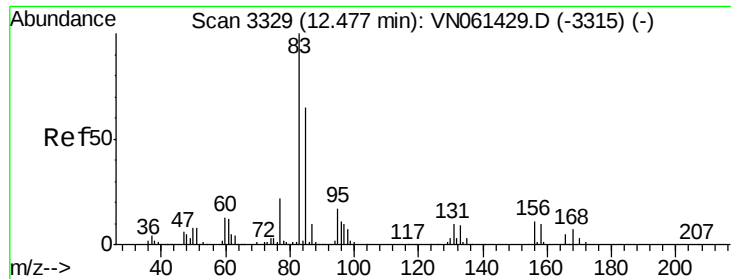
43 100

70 47.3 37.0 55.4

55 24.3 19.5 29.3

61 26.5 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 125.920 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

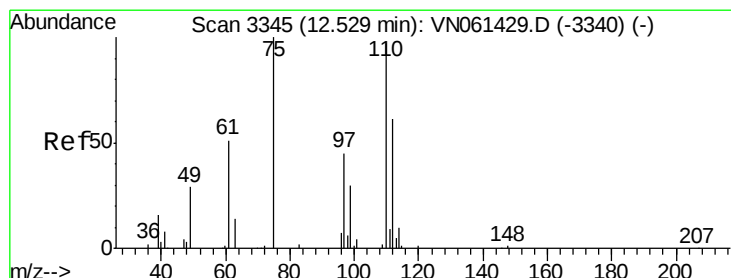
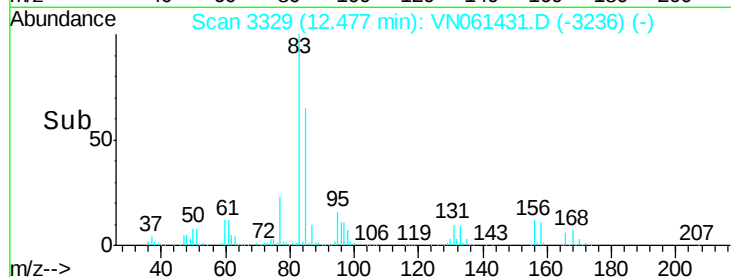
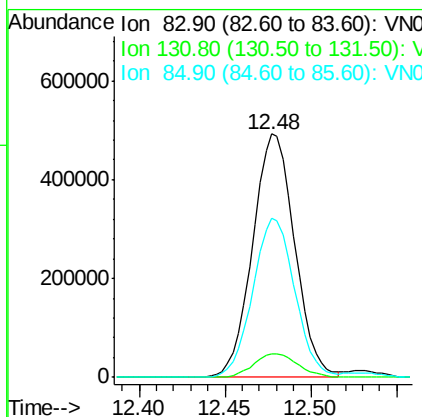
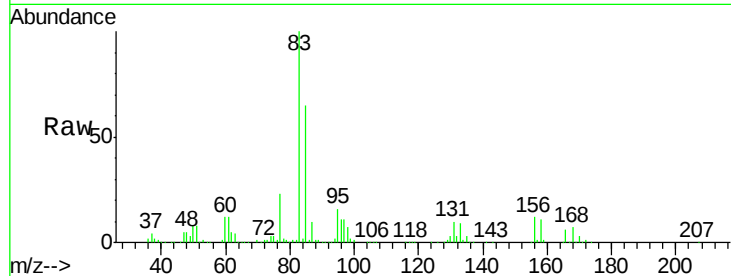
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	835559
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.8	14.4
85	64.9	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 138.996 ug/l m

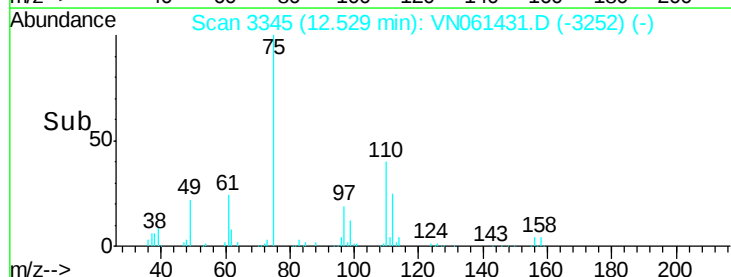
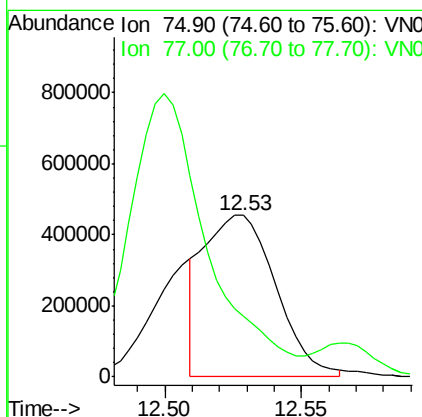
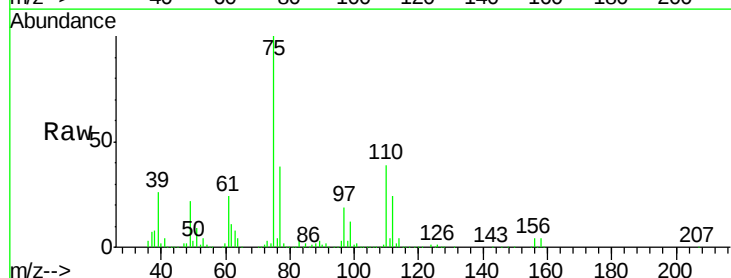
RT: 12.53 min Scan# 3345

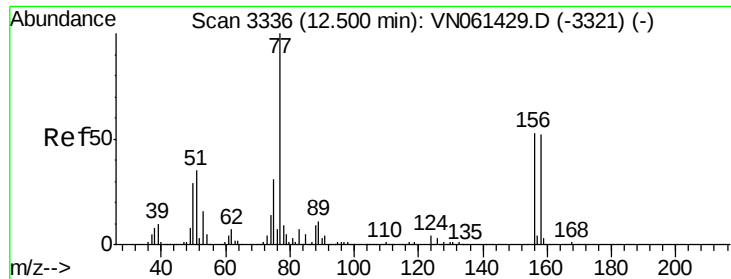
Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion:	75	Resp:	830263
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 148.787 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

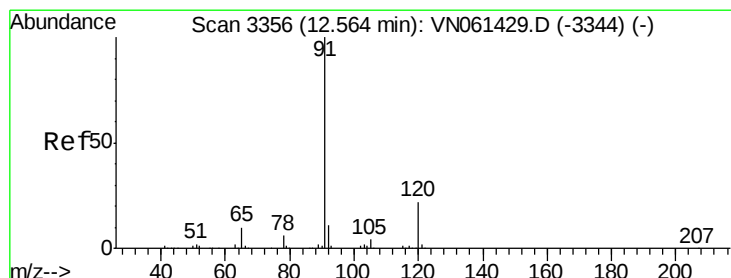
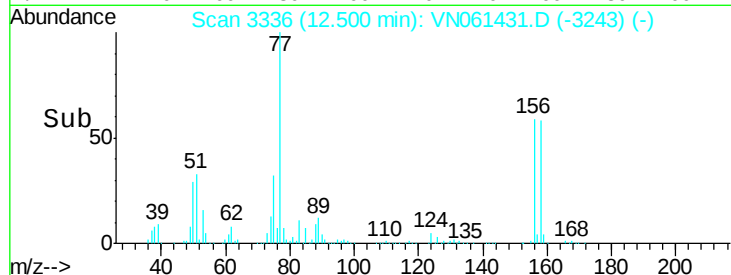
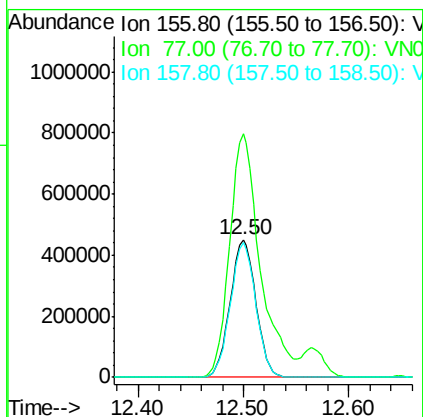
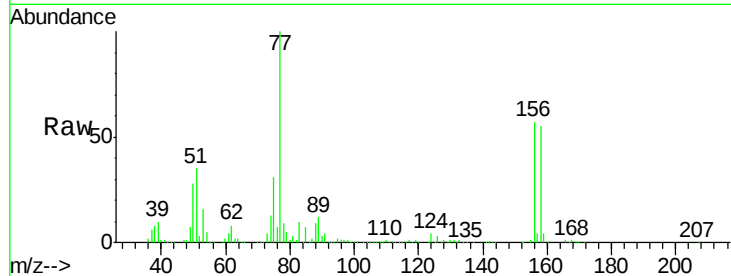
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	758069
Ion Ratio	Lower	Upper	
156	100		
77	211.3	112.3	336.9
158	96.8	47.9	143.6

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#78

n-propylbenzene

Concen: 131.728 ug/l

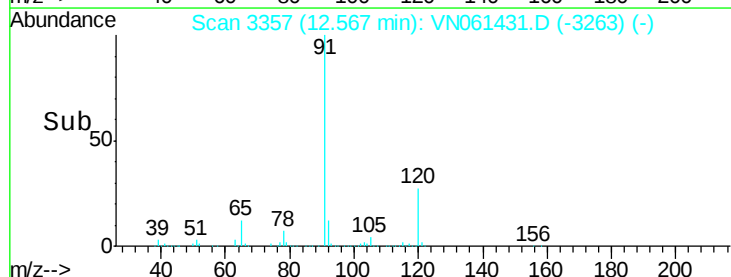
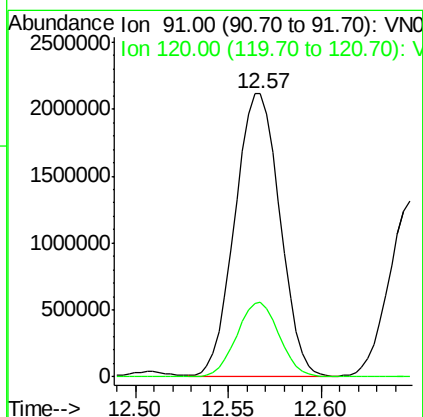
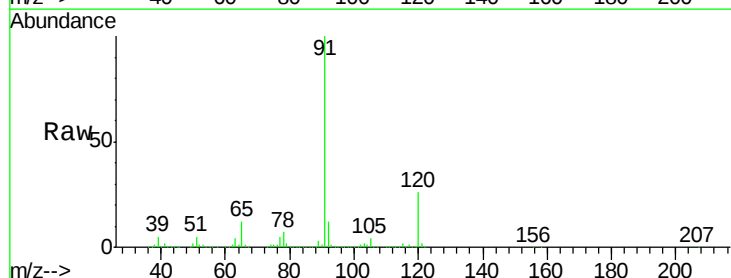
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion:	91	Resp:	3574537
Ion Ratio	Lower	Upper	
91	100		
120	24.9	11.2	33.6





#79

2-Chlorotoluene

Concen: 138.273 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2199752

Ion Ratio Lower Upper

91 100

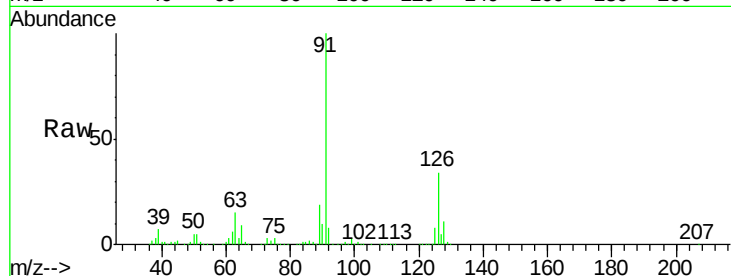
126 33.6 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN061431.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061431.D (-3382) (-)

2000000

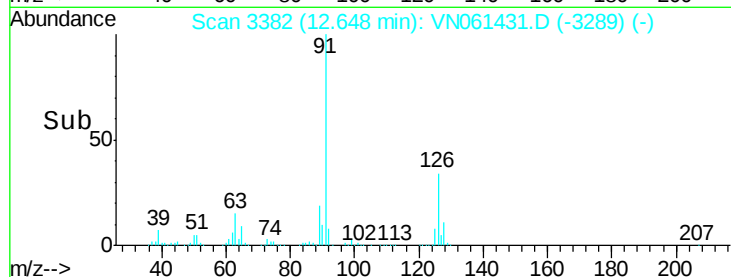
1500000

1000000

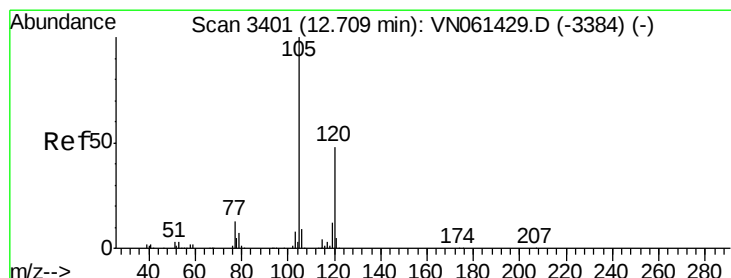
500000

0

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 139.856 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061431.D

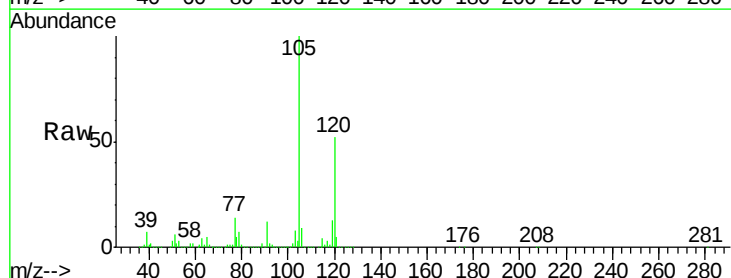
Acq: 18 May 2020 12:47

Tgt Ion:105 Resp: 2724672

Ion Ratio Lower Upper

105 100

120 50.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061431.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061431.D (-3401) (-)

2000000

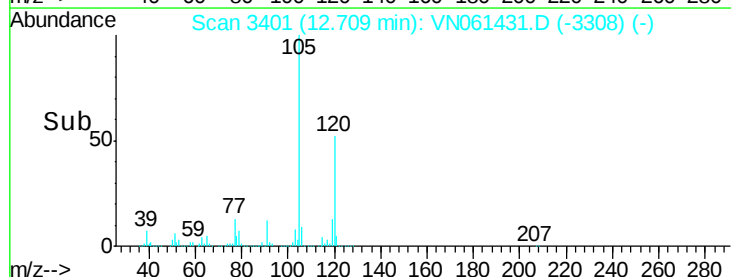
1500000

1000000

500000

0

Time-->



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 148.845 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 339971
Ion Ratio Lower Upper

75 100

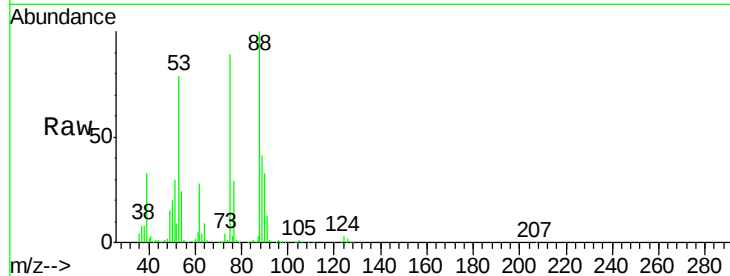
53 88.9 75.2 112.8

89 46.2 38.2 57.4

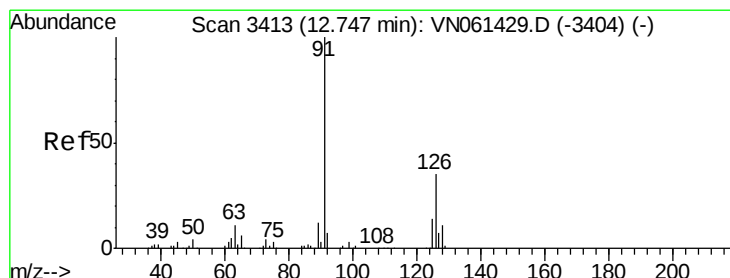
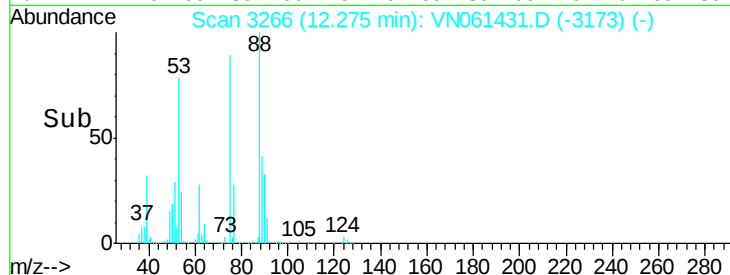
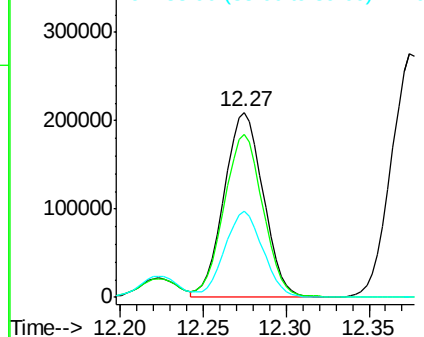
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Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 139.887 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

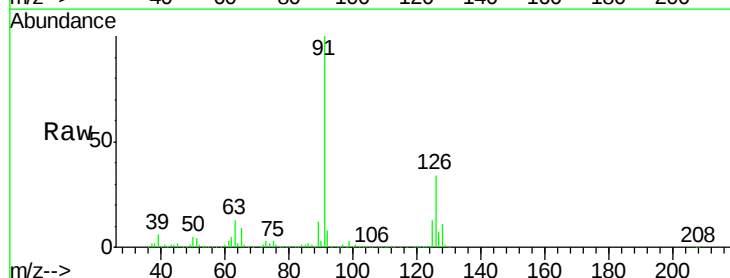
Lab File: VN061431.D

Acq: 18 May 2020 12:47

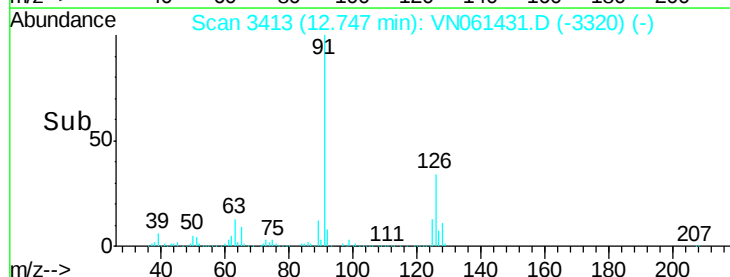
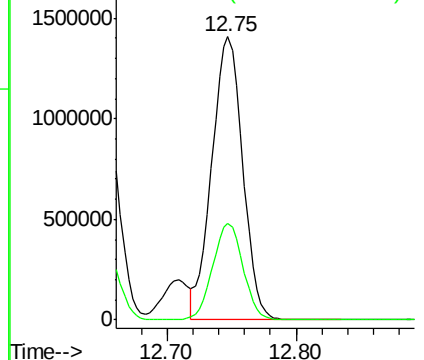
Tgt Ion: 91 Resp: 2338260
Ion Ratio Lower Upper

91 100

126 33.5 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





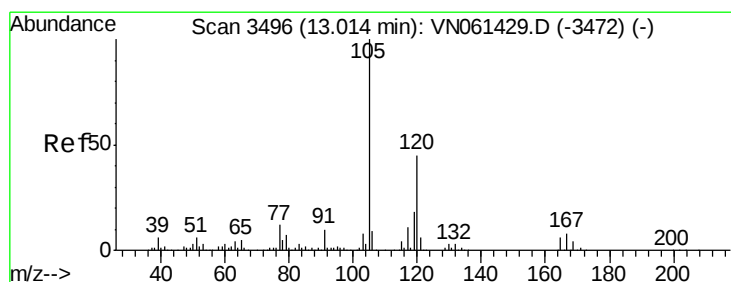
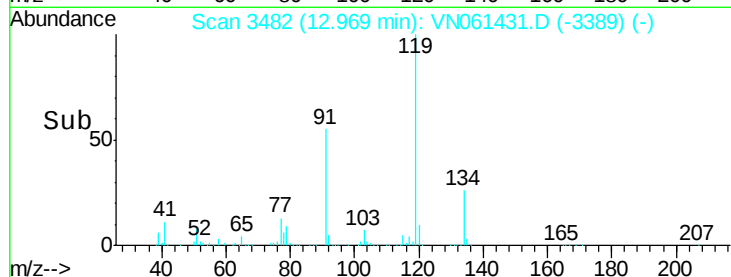
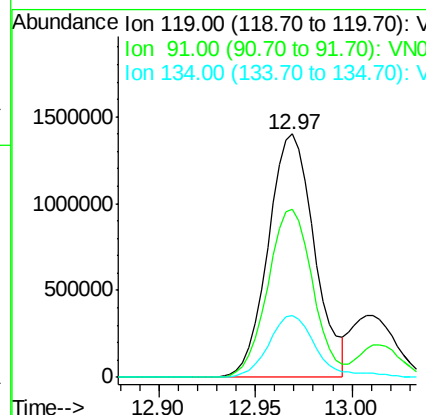
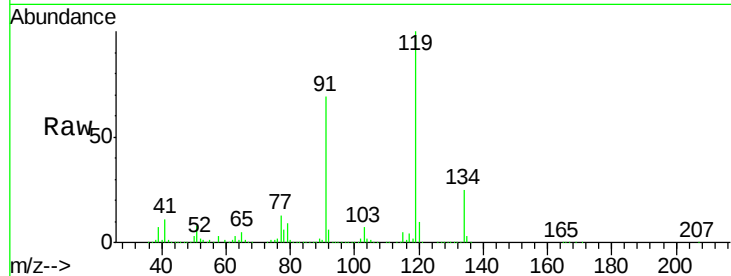
#83
tert-Butylbenzene
Concen: 140.175 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2329666
Ion Ratio Lower Upper
119 100
91 66.9 33.7 101.0
134 26.2 12.8 38.3

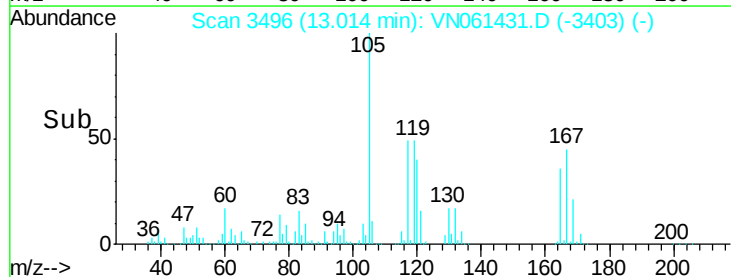
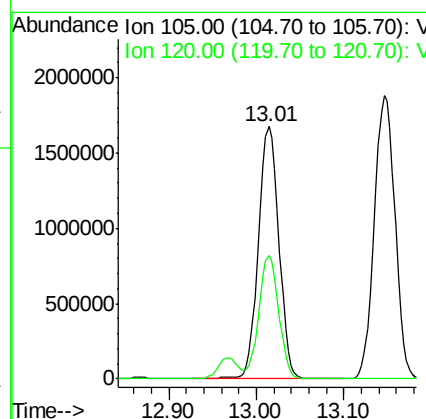
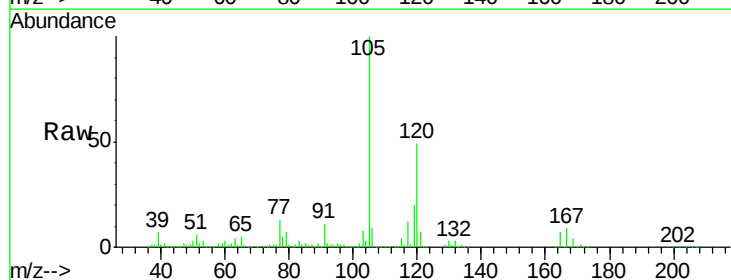
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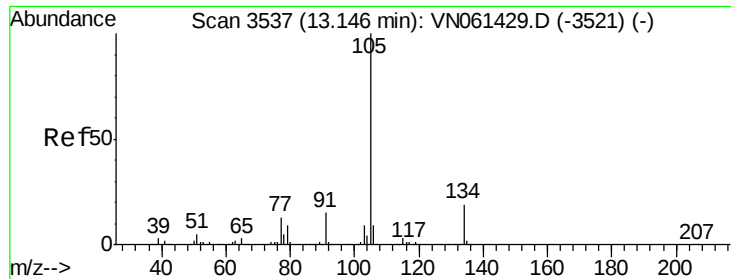
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#84
1,2,4-Trimethylbenzene
Concen: 140.411 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion:105 Resp: 2729687
Ion Ratio Lower Upper
105 100
120 47.3 22.4 67.3





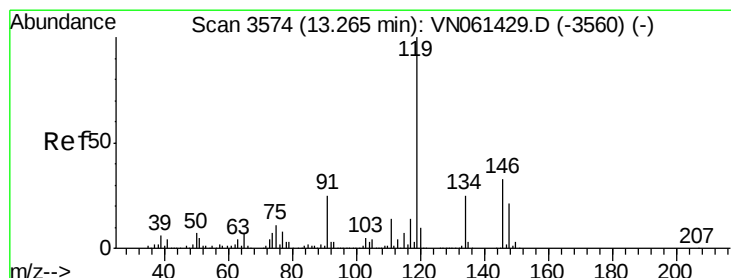
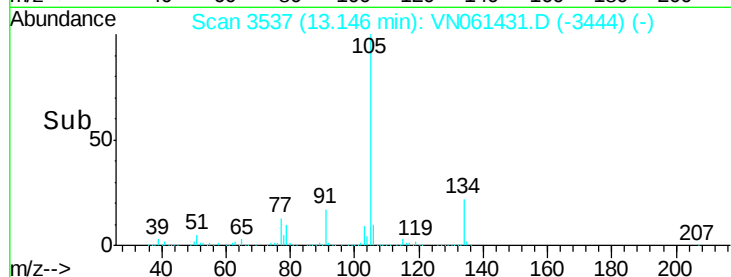
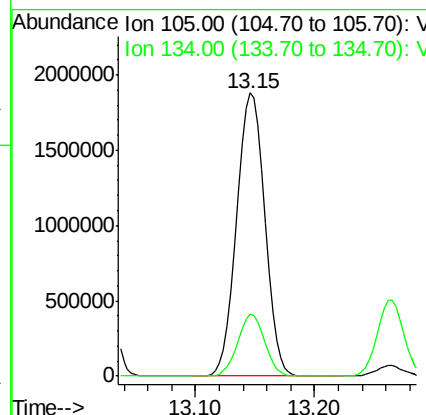
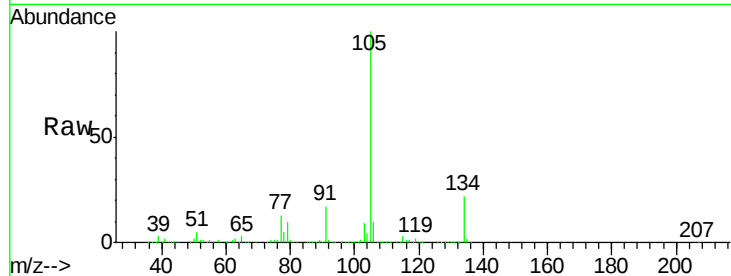
#85
 sec-Butylbenzene
 Concen: 137.787 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 3090867
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.8 29.5

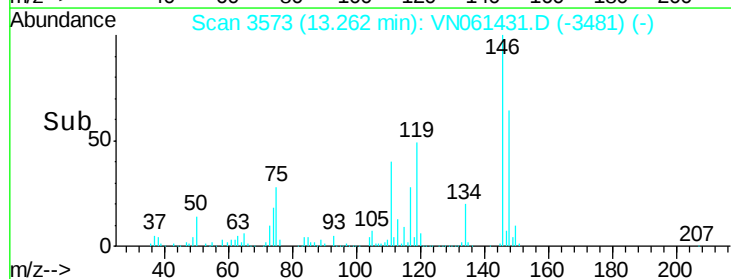
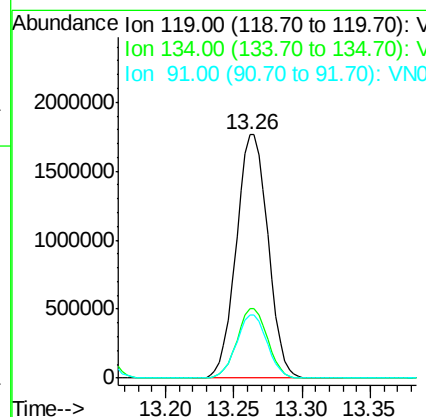
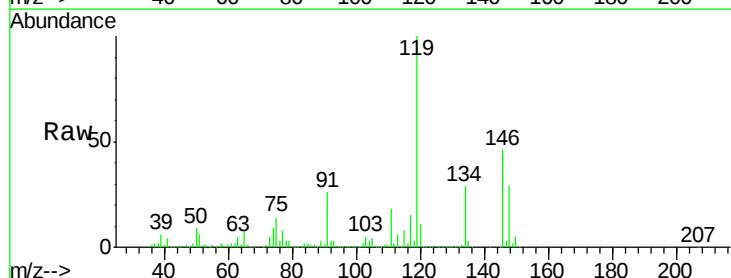
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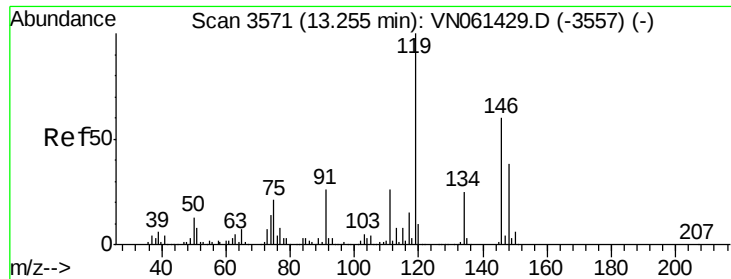
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#86
 p-Isopropyltoluene
 Concen: 145.867 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion:119 Resp: 2840466
 Ion Ratio Lower Upper
 119 100
 134 27.6 12.7 38.1
 91 25.3 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 154.242 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

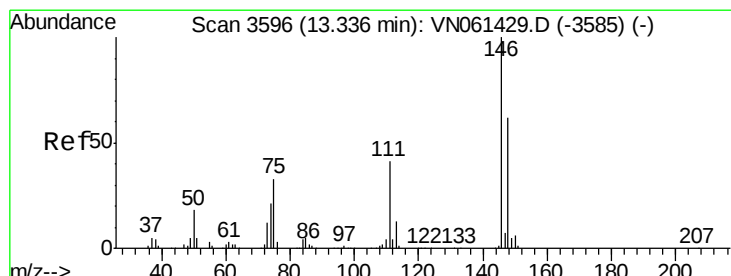
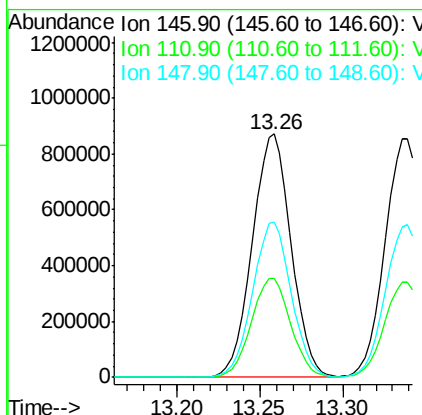
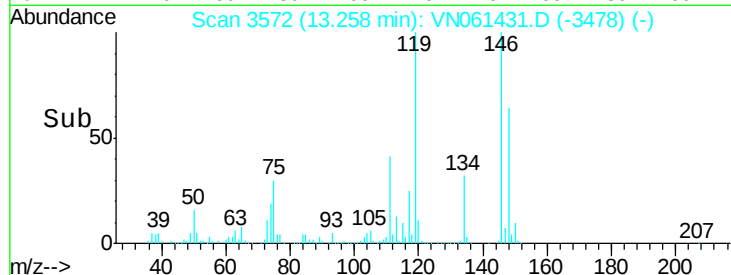
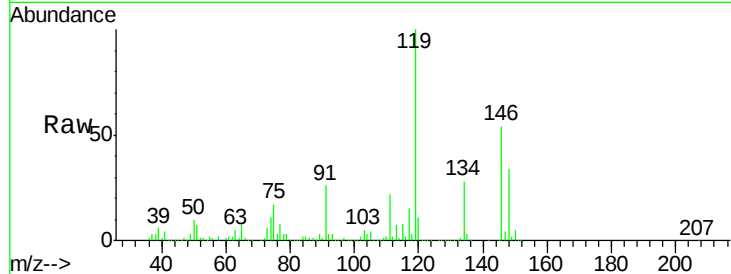
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:146 Resp: 1425081

Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.5	64.5
148	63.4	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 148.263 ug/l

RT: 13.34 min Scan# 3597

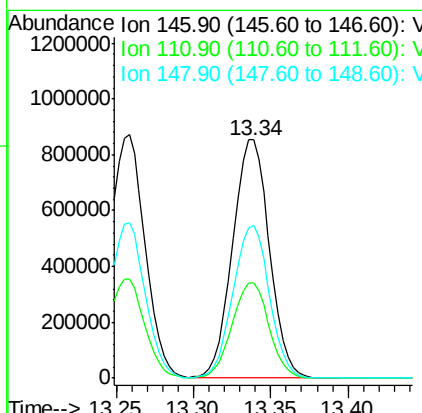
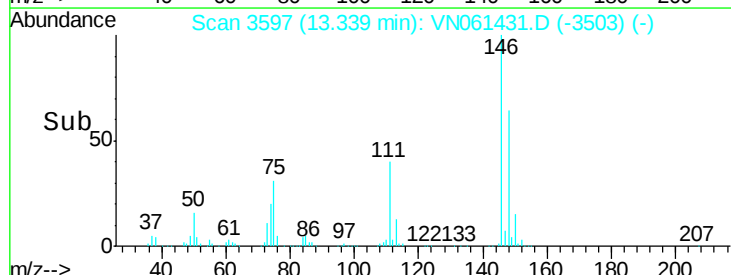
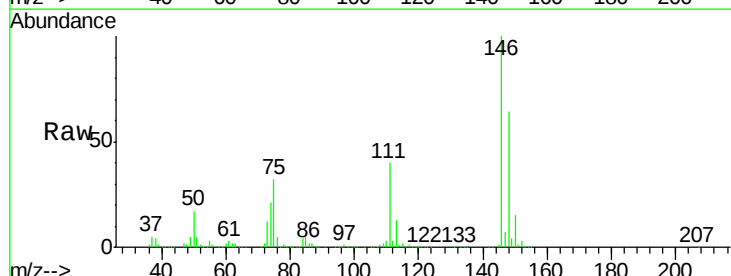
Delta R.T. 0.00 min

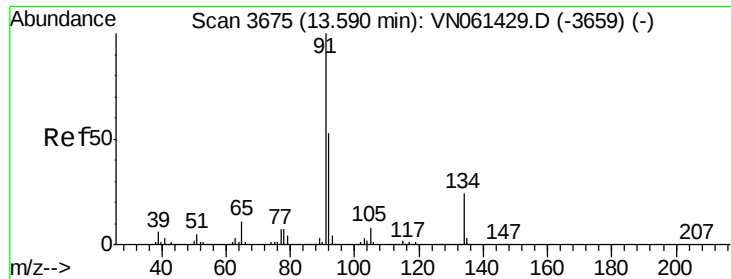
Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion:146 Resp: 1406753

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.5
148	63.7	31.6	94.8





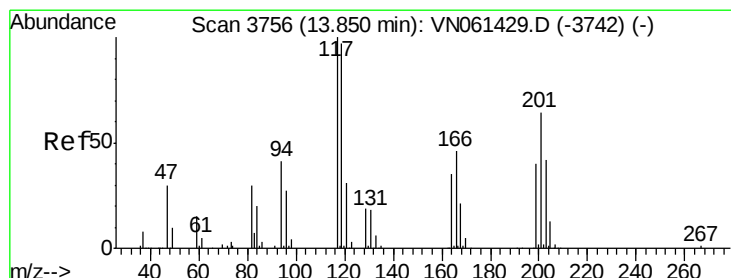
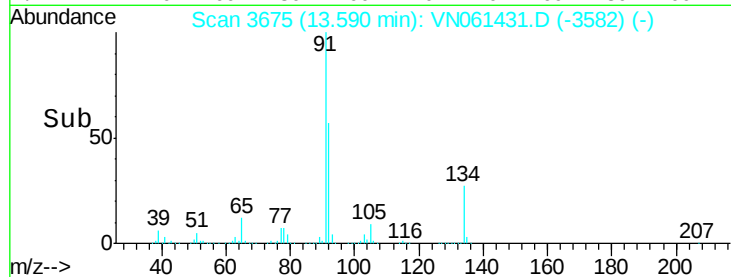
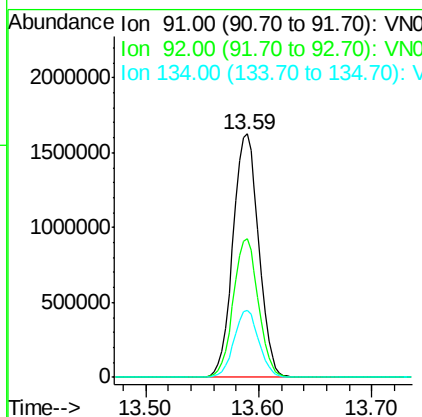
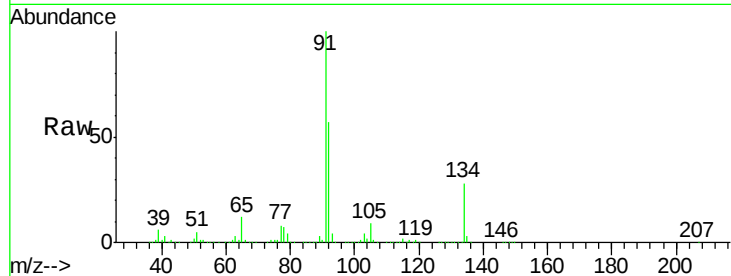
#89
n-Butylbenzene
Concen: 145.360 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	26.8	80.3
134	26.6	12.4	37.4

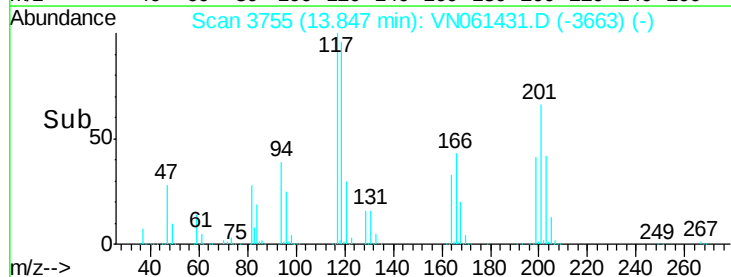
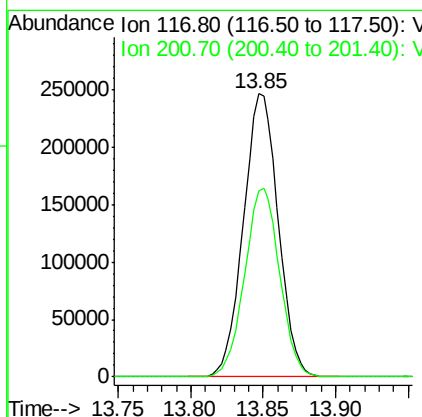
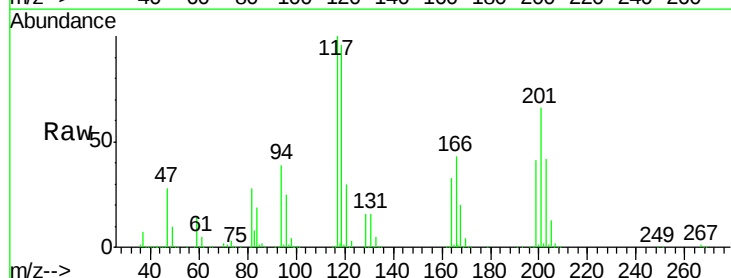
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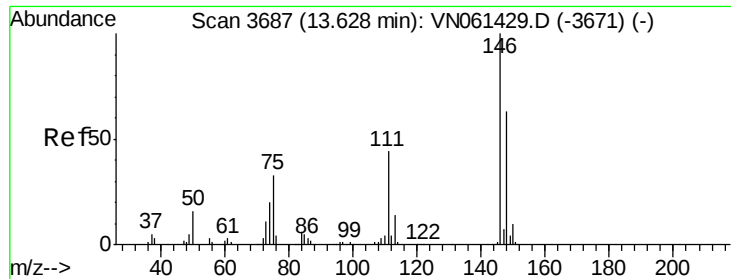
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#90
Hexachloroethane
Concen: 153.392 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.8	32.9	98.7





#91

1,2-Dichlorobenzene

Concen: 149.573 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1321099

Ion Ratio Lower Upper

146 100

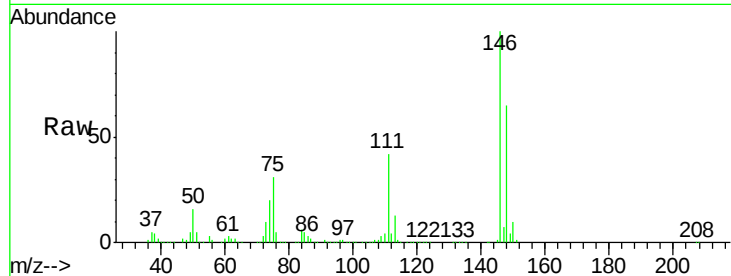
111 42.7 21.9 65.7

148 63.9 31.6 94.7

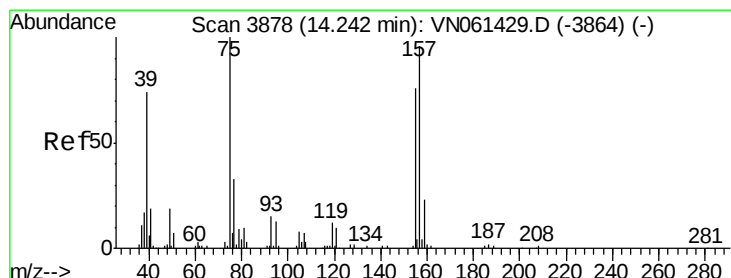
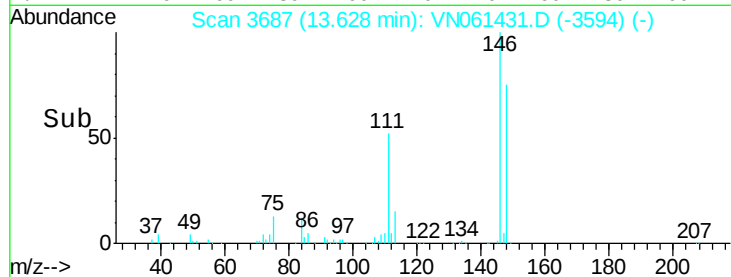
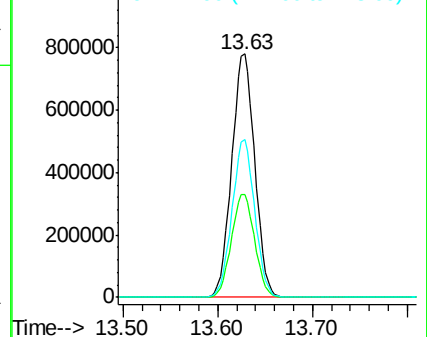
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 137.125 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

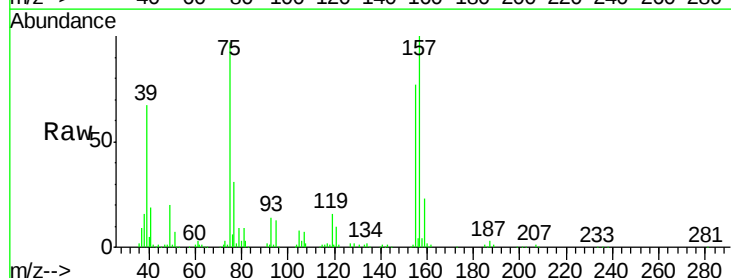
Tgt Ion: 75 Resp: 174943

Ion Ratio Lower Upper

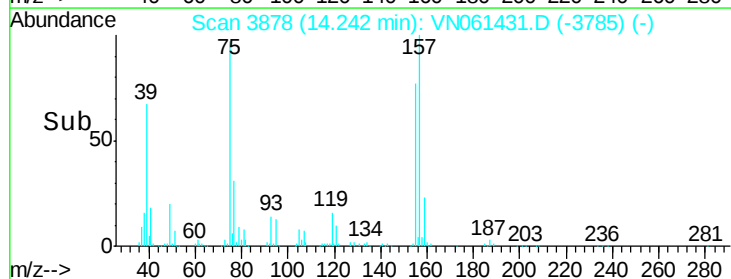
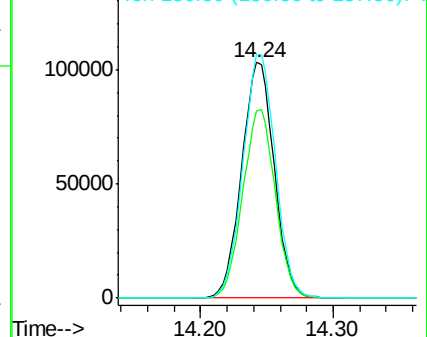
75 100

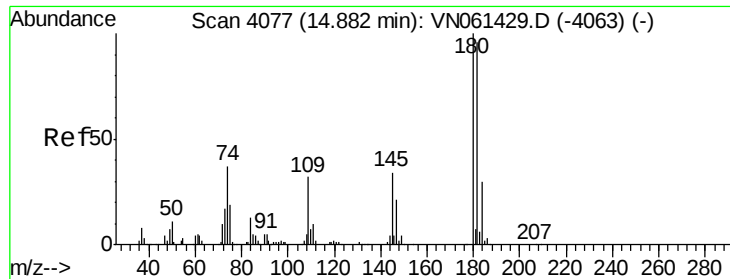
155 80.5 38.9 116.7

157 103.9 48.6 145.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





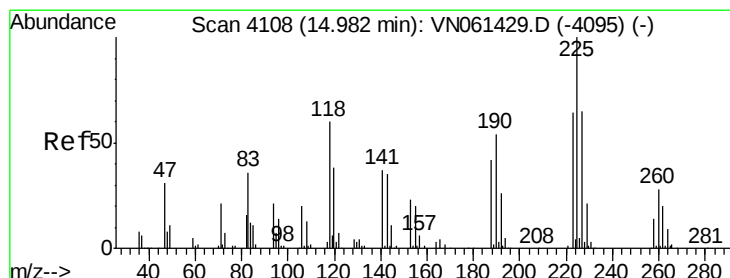
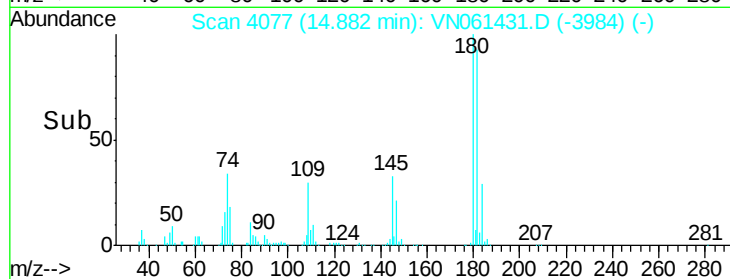
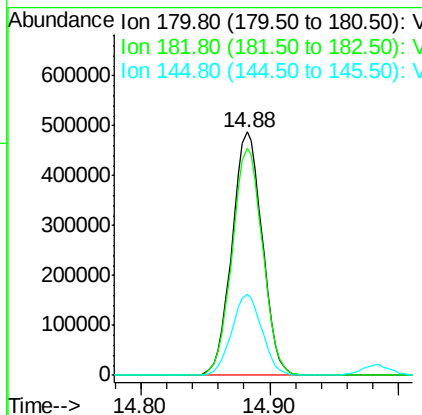
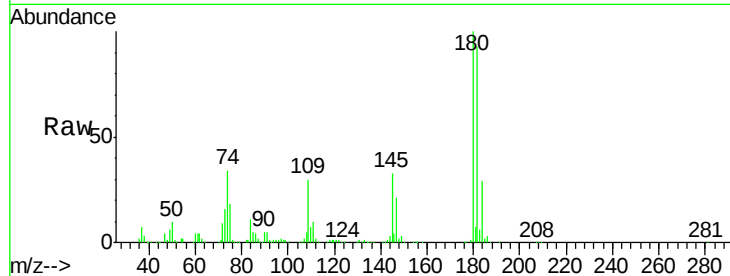
#93
 1,2,4-Trichlorobenzene
 Concen: 163.544 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	792047		
182	94.2	47.0	141.0	
145	33.3	16.7	50.0	

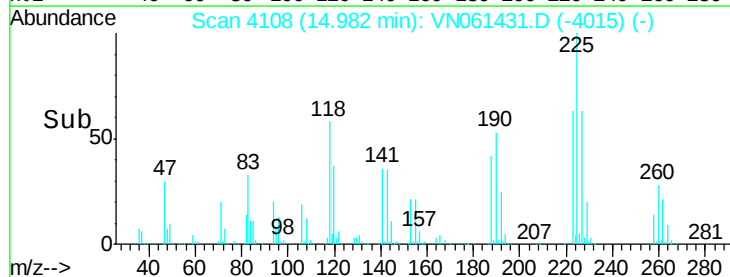
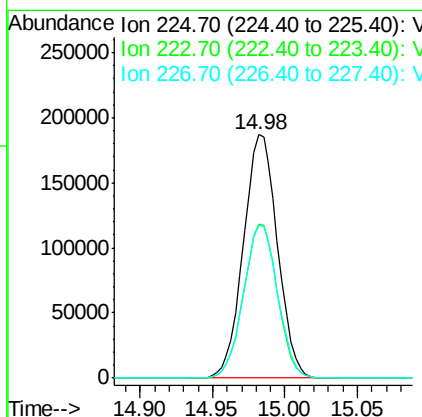
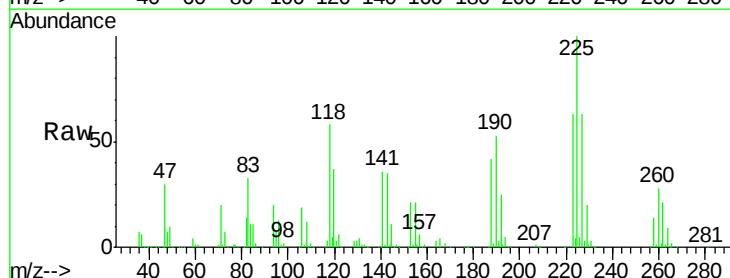
Manual Integrations
 APPROVED

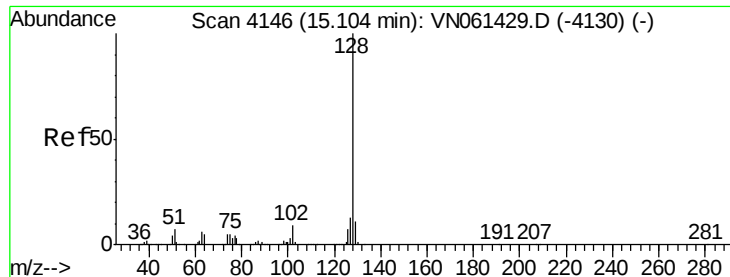
MMDadoda
 5/19/2020 4:25:41 PM



#94
 Hexachlorobutadiene
 Concen: 163.556 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	305042		
223	63.1	31.9	95.7	
227	63.1	31.5	94.5	





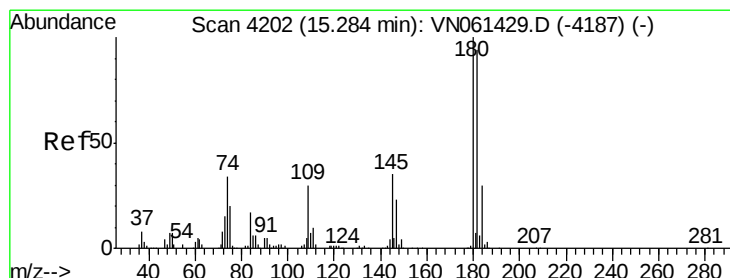
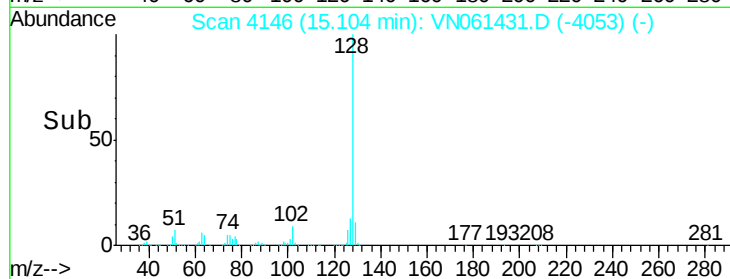
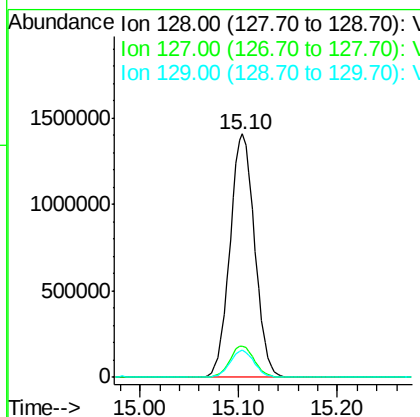
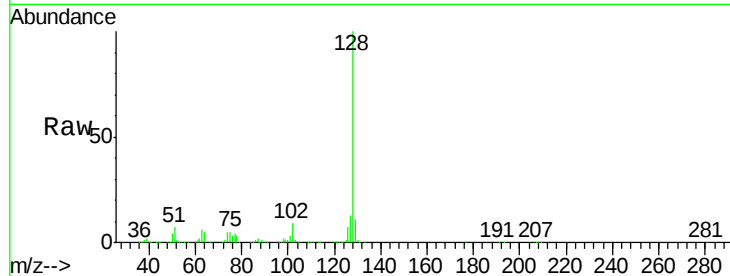
#95
Naphthalene
Concen: 156.841 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:25:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 157.565 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.3
145	35.0	17.3	51.9

