

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061449.D
 Acq On : 18 May 2020 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:48 PM

Quant Time: May 19 04:43:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	288997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	540287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	520152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	221797	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.55	113	144799	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.06	98	689268	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.37	95	262891	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109653	45.632	ug/l	99
3) Chloromethane	2.03	50	173879	44.364	ug/l	98
4) Vinyl Chloride	2.16	62	262017	46.711	ug/l	99
5) Bromomethane	2.54	94	145985	51.593	ug/l	100
6) Chloroethane	2.67	64	172995	45.821	ug/l	98
7) Trichlorofluoromethane	2.98	101	301574	44.284	ug/l	96
8) Diethyl Ether	3.37	74	89214	44.976	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	129456	45.713	ug/l	99
10) Methyl Iodide	3.91	142	161630	46.990	ug/l	99
11) Tert butyl alcohol	4.72	59	106802	214.905	ug/l	100
12) 1,1-Dichloroethene	3.70	96	135514	45.746	ug/l	91
13) Acrolein	3.56	56	69495	191.481	ug/l	97
14) Allyl chloride	4.27	41	220663	45.772	ug/l	98
15) Acrylonitrile	4.93	53	338900	230.174	ug/l	99
16) Acetone	3.77	43	252392	227.714	ug/l	97
17) Carbon Disulfide	4.01	76	325682	51.323	ug/l	100
18) Methyl Acetate	4.27	43	137440	46.388	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	529883	47.136	ug/l	98
20) Methylene Chloride	4.50	84	163192	46.038	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	161546	47.293	ug/l	97
22) Diisopropyl ether	5.90	45	509694	47.049	ug/l	98
23) Vinyl Acetate	5.84	43	2058811	238.987	ug/l	99
24) 1,1-Dichloroethane	5.80	63	301874	47.774	ug/l	99
25) 2-Butanone	6.78	43	439833	223.969	ug/l	99
26) 2,2-Dichloropropane	6.78	77	265006	43.995	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	196606	48.726	ug/l	97
28) Bromochloromethane	7.15	49	136429	50.867	ug/l	98
29) Tetrahydrofuran	7.17	42	296365	227.872	ug/l	99
30) Chloroform	7.33	83	327814	49.671	ug/l	100
31) Cyclohexane	7.62	56	258258	46.211	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	295482	48.996	ug/l	99
36) 1,1-Dichloropropene	7.75	75	240369	47.579	ug/l	99
37) Ethyl Acetate	6.88	43	199381	43.518	ug/l	100
38) Carbon Tetrachloride	7.73	117	226457	48.681	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	248419	40.260	ug/l	98
40) Benzene	8.00	78	723188	47.502	ug/l	99
41) Methacrylonitrile	7.12	41	85634	44.253	ug/l	90
42) 1,2-Dichloroethane	8.08	62	262081	47.780	ug/l	100
43) Isopropyl Acetate	8.13	43	373363	46.724	ug/l	99
44) Trichloroethene	8.80	130	199918	50.115	ug/l	100
45) 1,2-Dichloropropane	9.08	63	184304	48.365	ug/l	100
46) Dibromomethane	9.17	93	128633	48.152	ug/l	98
47) Bromodichloromethane	9.37	83	272114	48.345	ug/l	98
48) Methyl methacrylate	9.17	41	165634	44.870	ug/l	99
49) 1,4-Dioxane	9.17	88	36083	926.580	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1037381	238.313	ug/l	100
52) Toluene	10.12	92	479951	49.104	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	300016	48.632	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	314769	47.998	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	181457	49.104	ug/l	98
56) Ethyl methacrylate	10.40	69	289991	50.196	ug/l	98
57) 1,3-Dichloropropane	10.68	76	311801	48.824	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	649248	256.028	ug/l	99
59) 2-Hexanone	10.72	43	731948	232.413	ug/l	100
60) Dibromochloromethane	10.87	129	207278	50.709	ug/l	100
61) 1,2-Dibromoethane	10.98	107	195517	50.321	ug/l	99
64) Tetrachloroethene	10.60	164	194557	48.348	ug/l	98
65) Chlorobenzene	11.41	112	507495	47.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	185911	48.890	ug/l	99
67) Ethyl Benzene	11.48	91	933653	48.221	ug/l	99
68) m/p-Xylenes	11.60	106	717138	97.579	ug/l	99
69) o-Xylene	11.92	106	343532	48.303	ug/l	99
70) Styrene	11.94	104	597136	50.702	ug/l	99
71) Bromoform	12.10	173	132868	45.137	ug/l #	100
73) Isopropylbenzene	12.22	105	888967	45.122	ug/l	99
74) N-amyl acetate	12.04	43	335518	46.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	249183	45.971	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	238309m	45.255	ug/l	
77) Bromobenzene	12.50	156	210112	49.141	ug/l	96
78) n-propylbenzene	12.56	91	1017245	45.316	ug/l	100
79) 2-Chlorotoluene	12.65	91	612422	46.156	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	737096	45.693	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	88340	44.502	ug/l	99
82) 4-Chlorotoluene	12.75	91	646103	47.028	ug/l	99
83) tert-Butylbenzene	12.97	119	599571	43.391	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	743527	46.056	ug/l	98
85) sec-Butylbenzene	13.15	105	774693	41.462	ug/l	99
86) p-Isopropyltoluene	13.26	119	702275	42.327	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	375254	47.956	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	376850	48.088	ug/l	99
89) n-Butylbenzene	13.59	91	601398	39.898	ug/l	100
90) Hexachloroethane	13.85	117	91034	40.485	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	363940	48.486	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49447	45.160	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	181879	44.688	ug/l	100
94) Hexachlorobutadiene	14.98	225	61580	34.053	ug/l	99
95) Naphthalene	15.10	128	646745	49.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	176915	43.665	ug/l	99

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

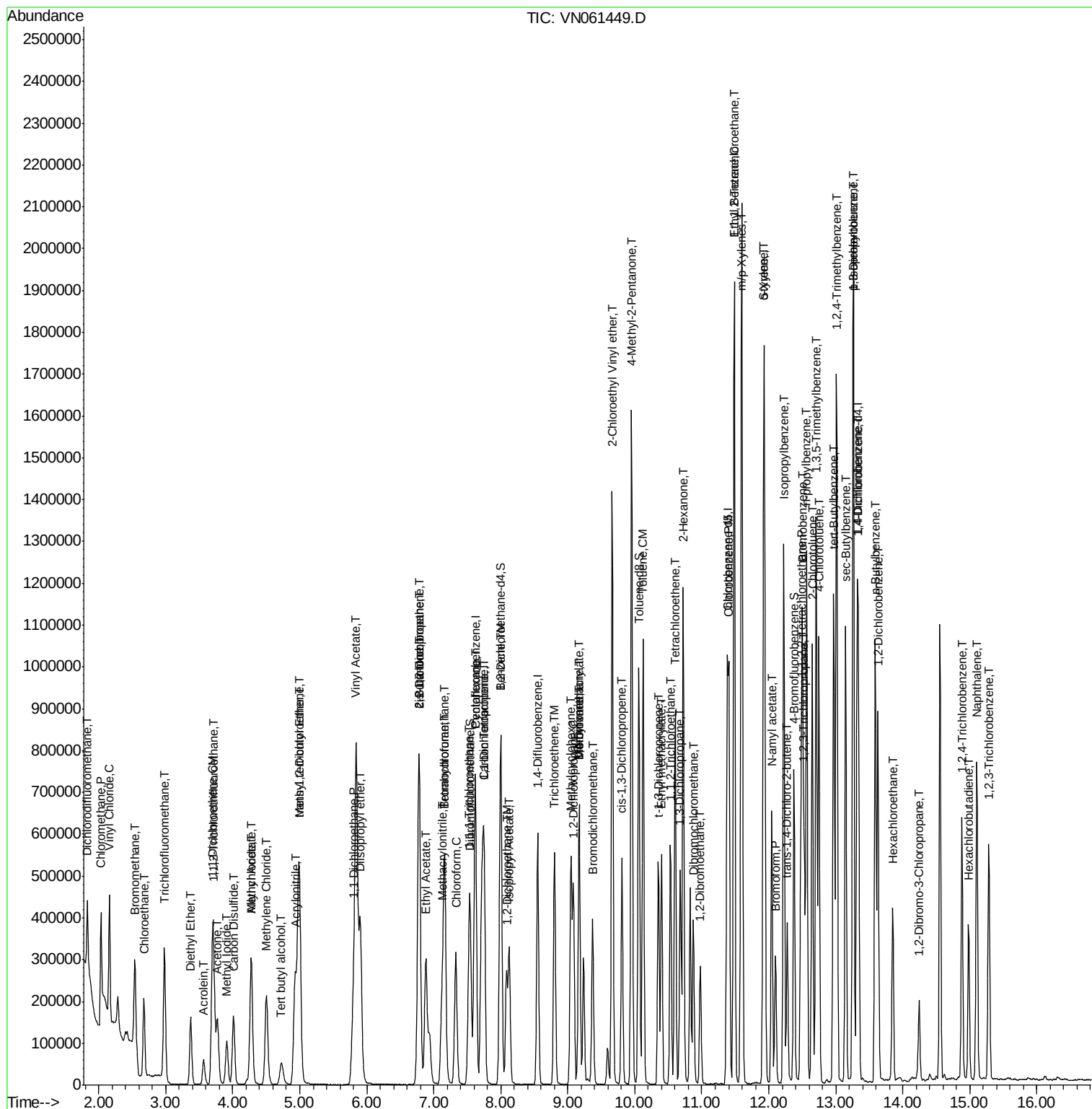
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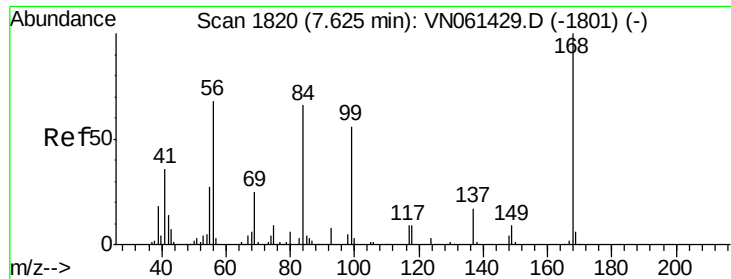
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 288997

Ion Ratio Lower Upper

168 100

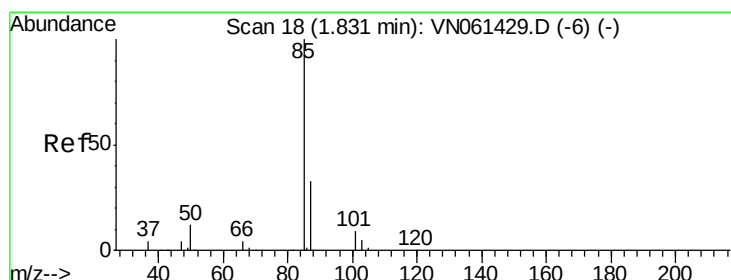
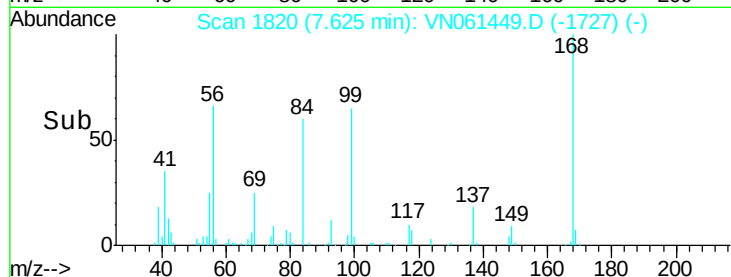
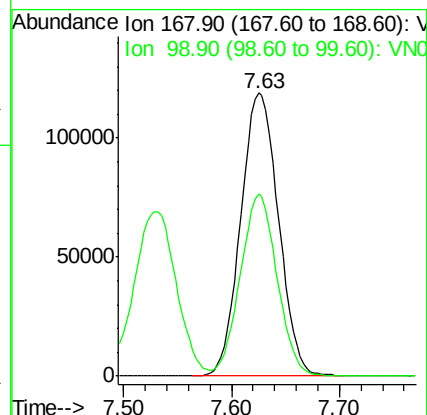
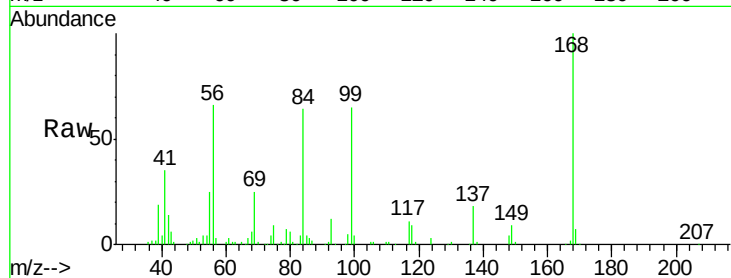
99 64.1 51.1 76.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.632 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061449.D

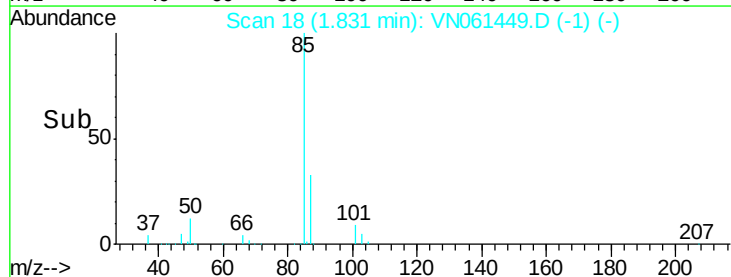
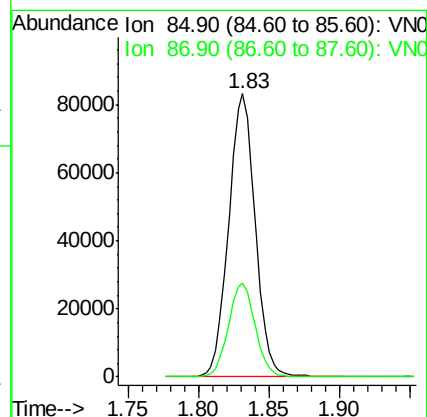
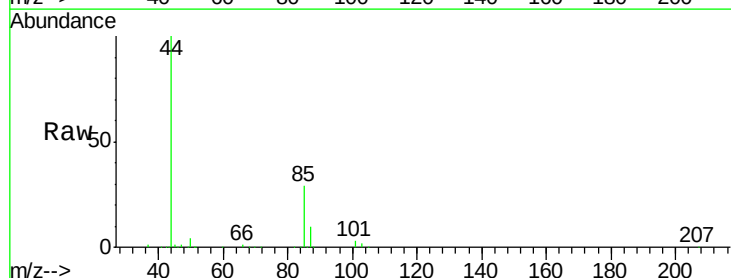
Acq: 18 May 2020 20:57

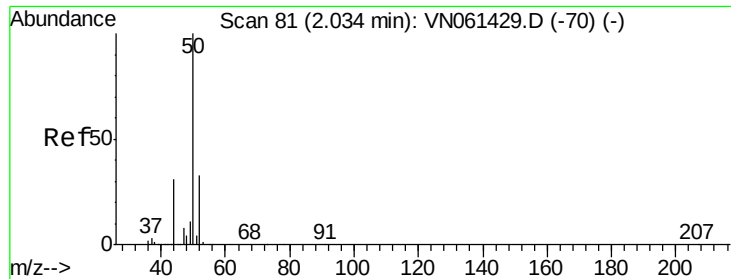
Tgt Ion: 85 Resp: 109653

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8





#3

Chloromethane

Concen: 44.364 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 173879

Ion Ratio Lower Upper

50 100

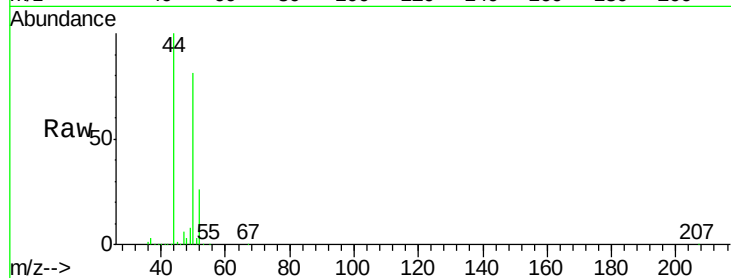
52 32.5 26.7 40.1

Manual Integrations

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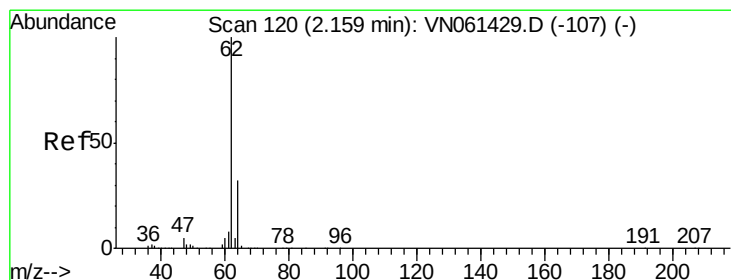
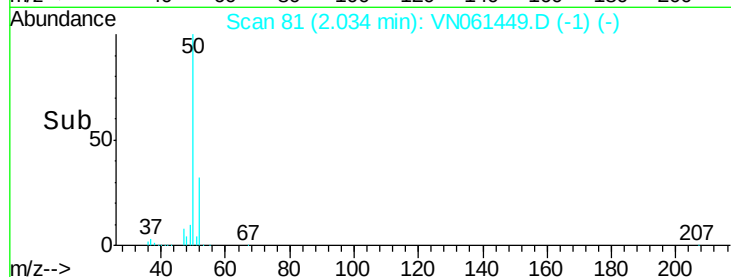
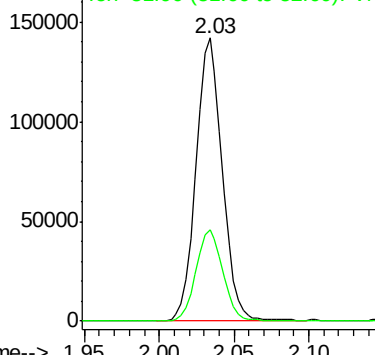
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.711 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061449.D

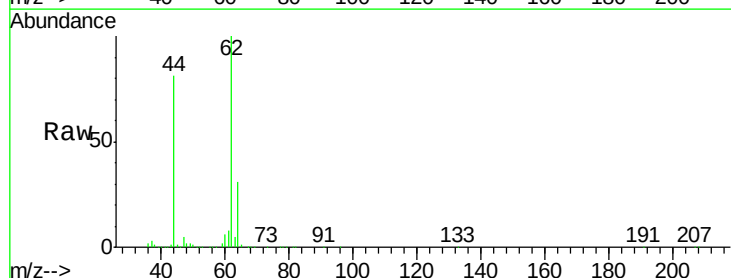
Acq: 18 May 2020 20:57

Tgt Ion: 62 Resp: 262017

Ion Ratio Lower Upper

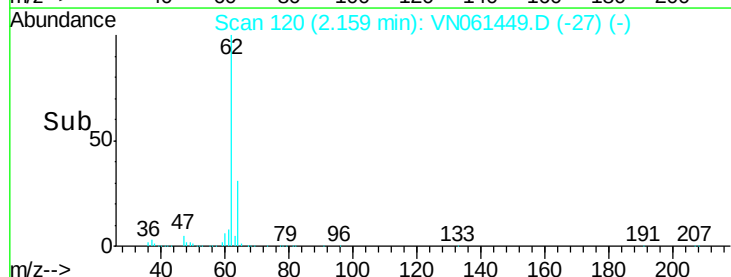
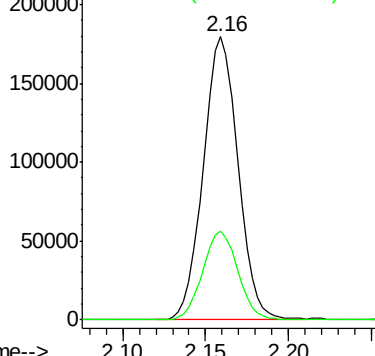
62 100

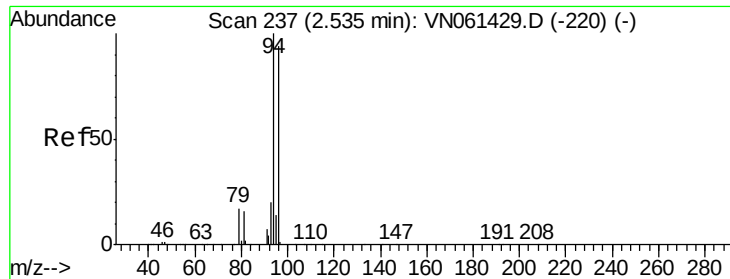
64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.593 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

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Tot Ion: 94 Resp: 145985

Ion Ratio Lower Upper

94 100

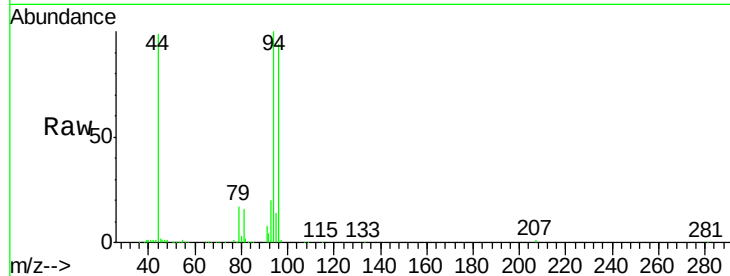
96 93.6 74.9 112.3

Manual Integrations

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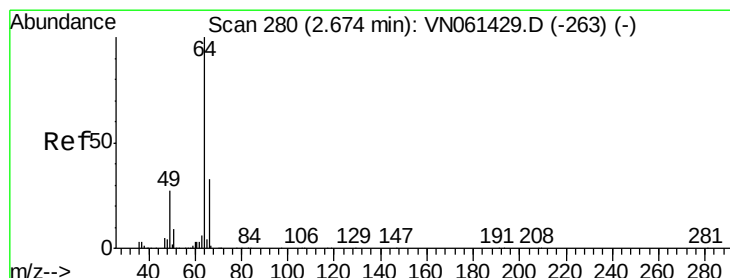
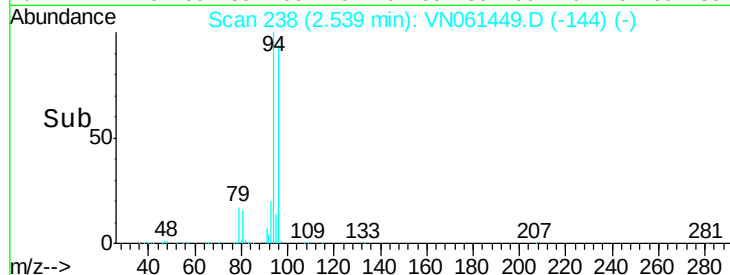
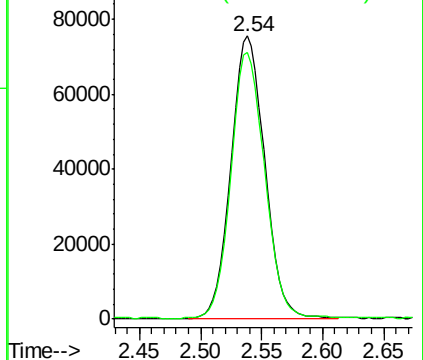
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.821 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061449.D

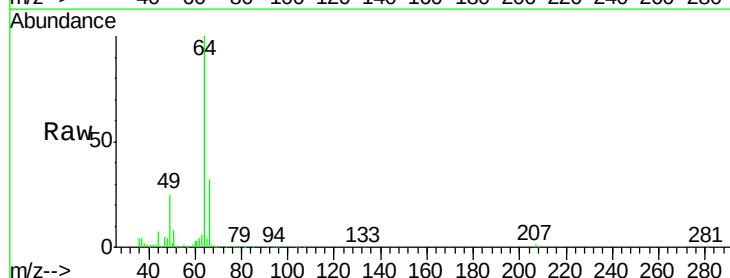
Acq: 18 May 2020 20:57

Tgt Ion: 64 Resp: 172995

Ion Ratio Lower Upper

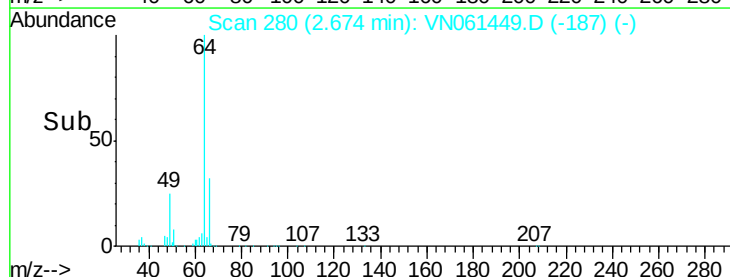
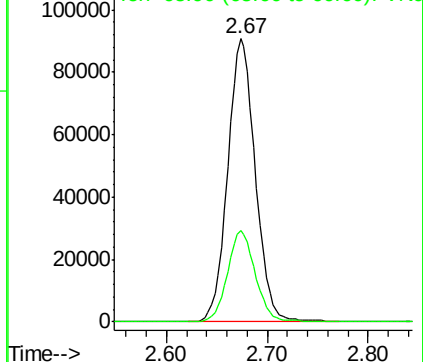
64 100

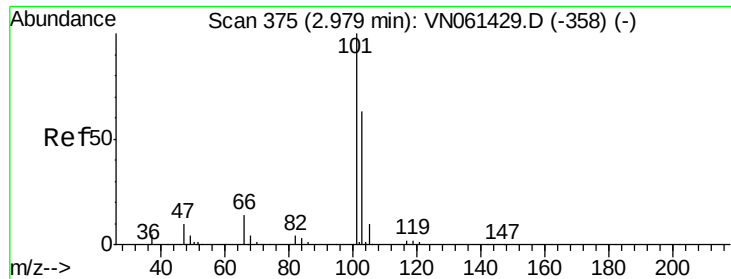
66 32.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

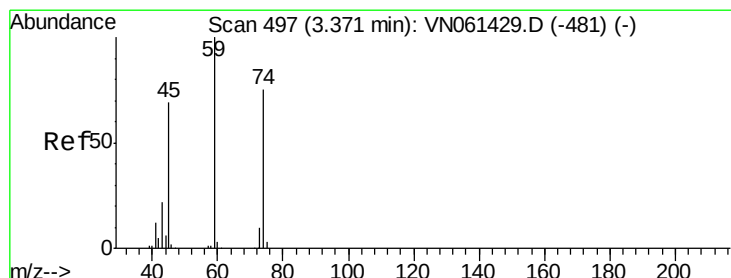
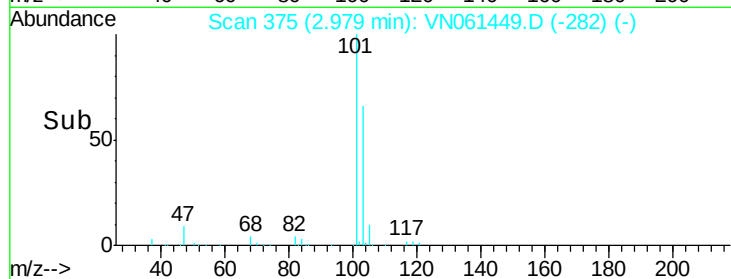
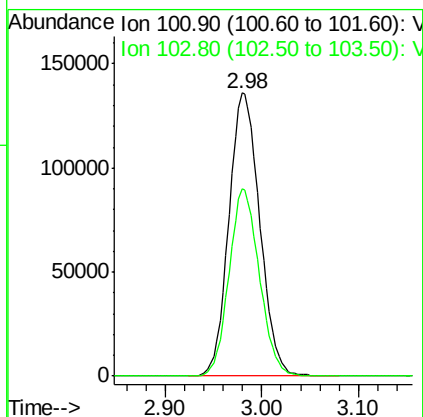
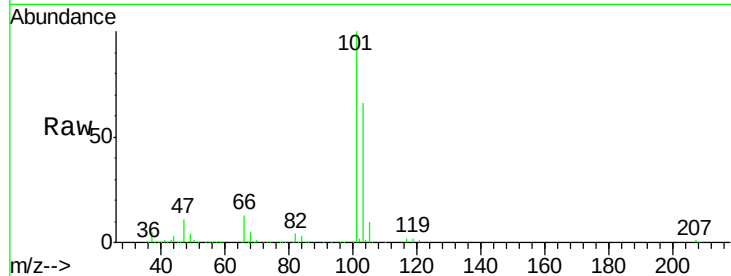
Trichlorofluoromethane
 Concen: 44.284 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.2	75.4

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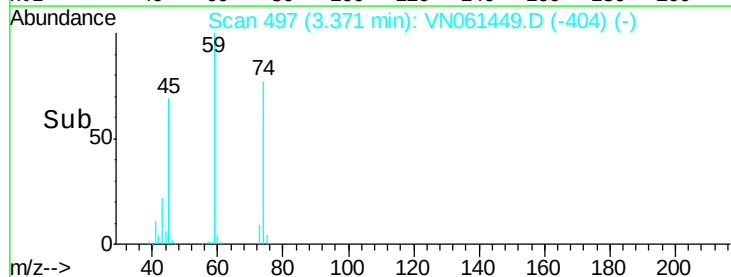
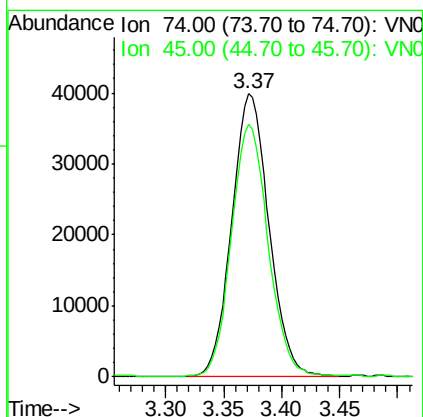
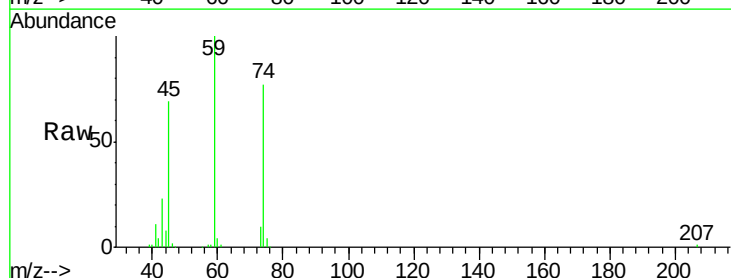
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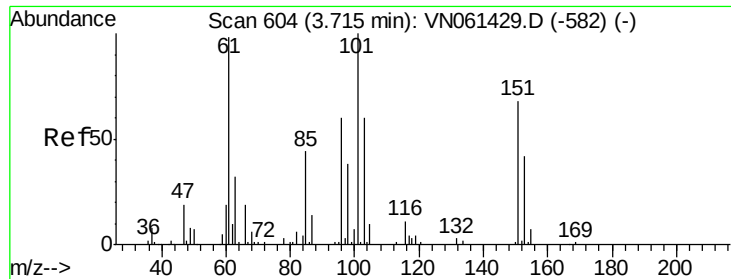


#8

Diethyl Ether
 Concen: 44.976 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.713 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

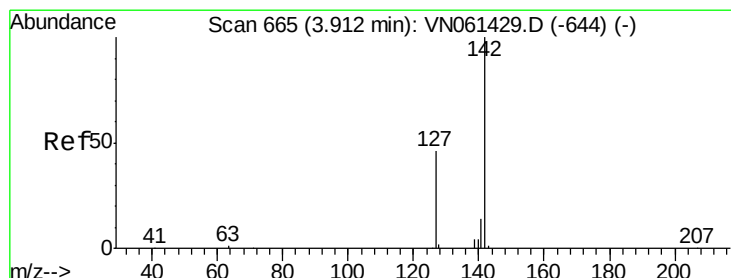
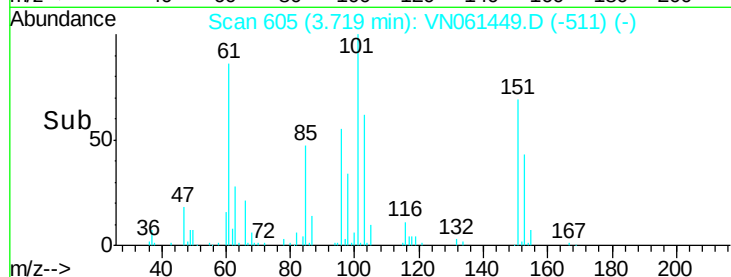
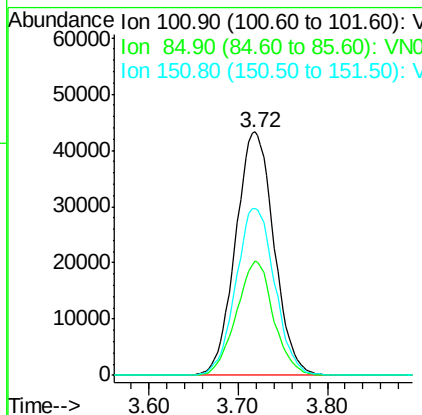
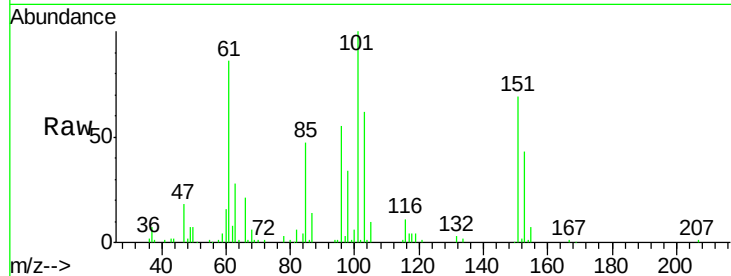
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	129456
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	55.0
151	69.4	56.3	84.5

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#10

Methyl Iodide

Concen: 46.990 ug/l

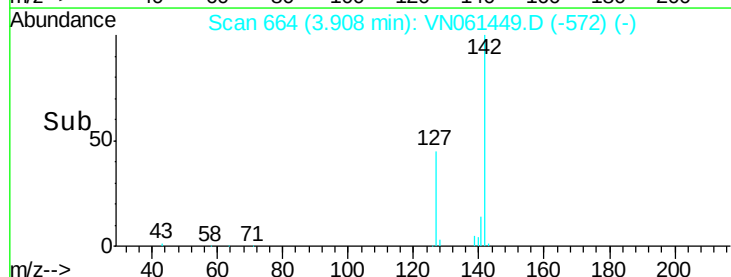
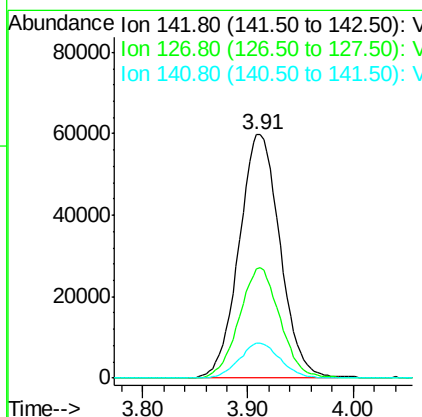
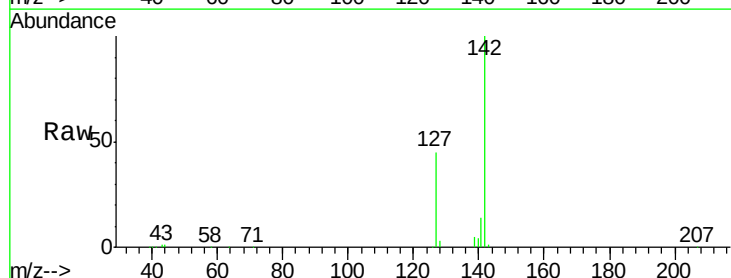
RT: 3.91 min Scan# 664

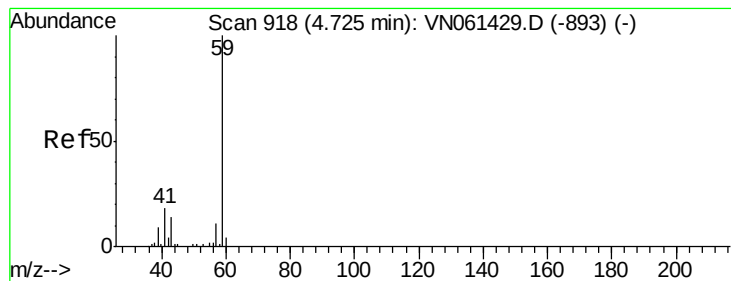
Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Tgt Ion:	142	Resp:	161630
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.7	55.1
141	14.3	11.5	17.3





#11

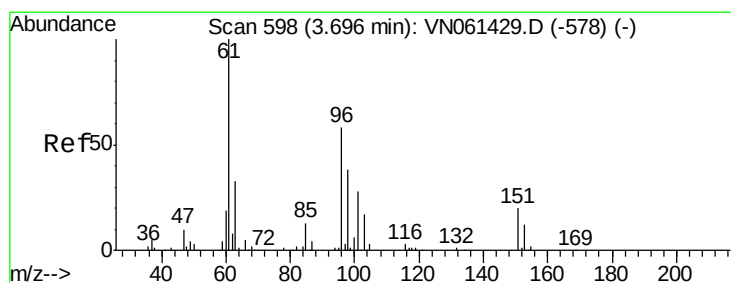
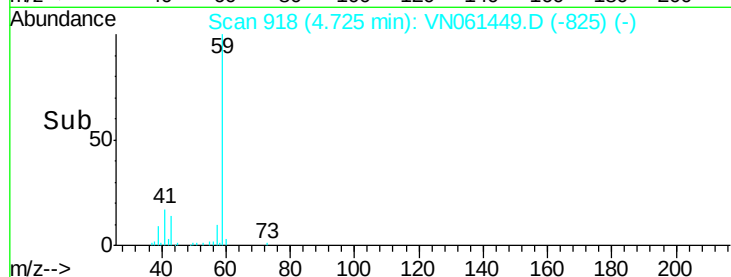
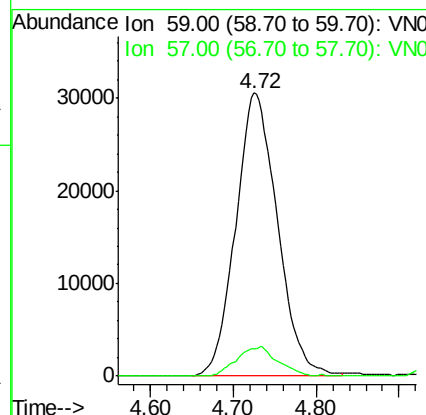
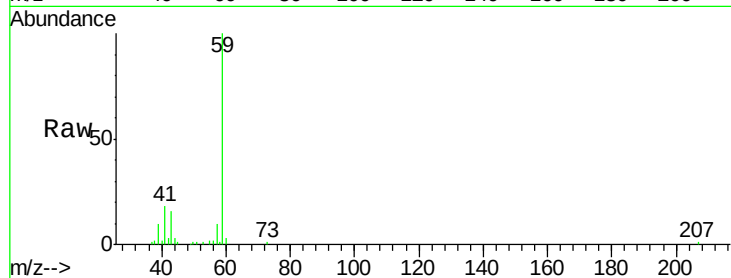
Tert butyl alcohol
Concen: 214.905 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

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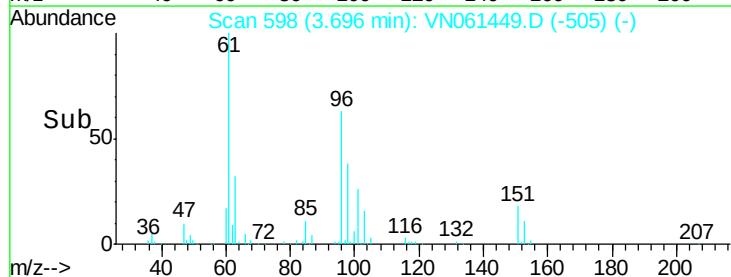
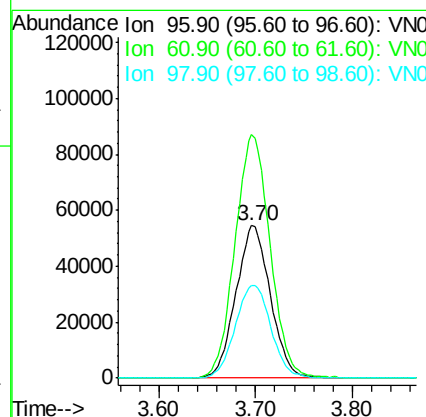
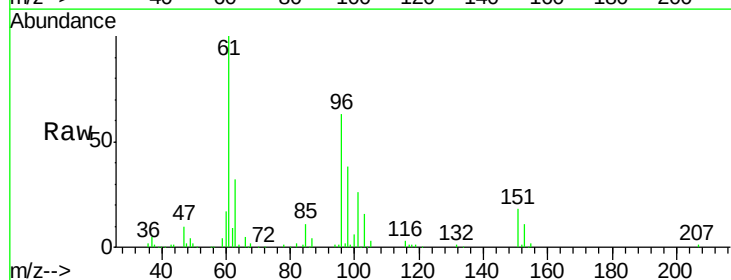
MMDadoda
5/19/2020 4:24:48 PM

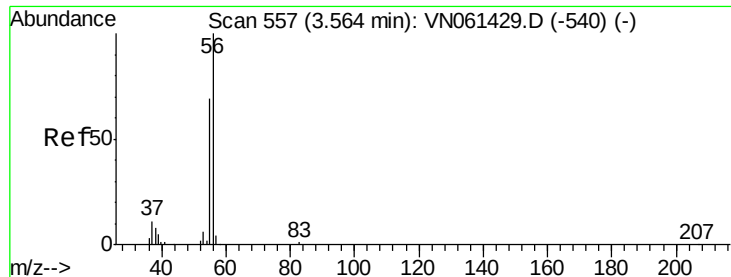


#12

1,1-Dichloroethene
Concen: 45.746 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	138.7	208.1
98	60.7	53.0	79.6





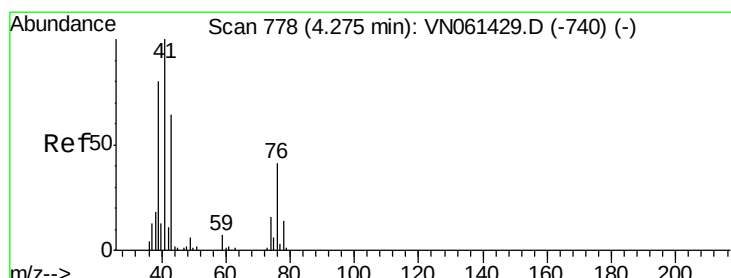
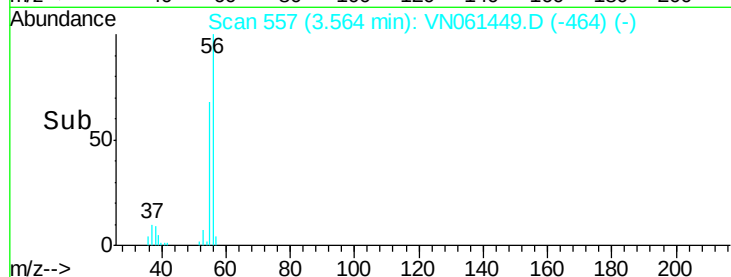
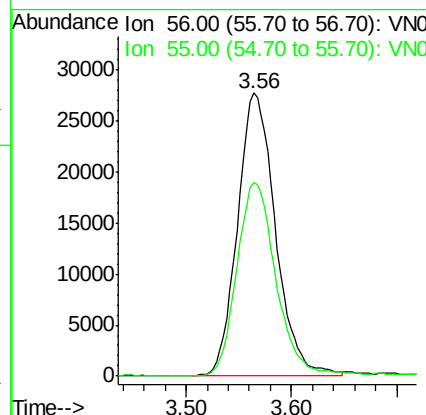
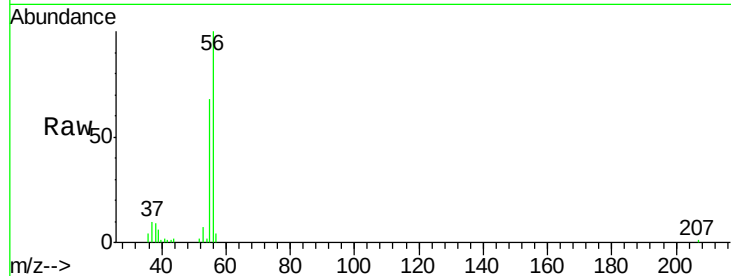
#13
Acrolein
Concen: 191.481 ug/l
RT: 3.56 min Scan# 557
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.6	54.8	82.2

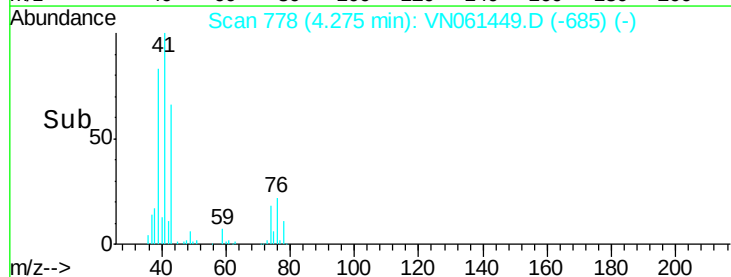
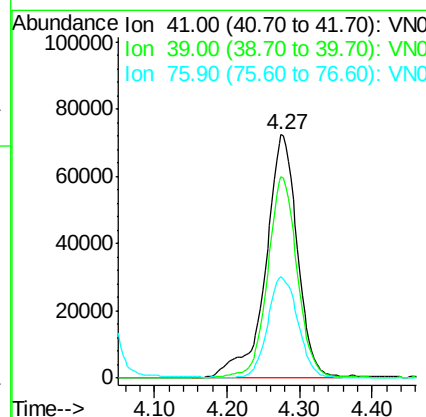
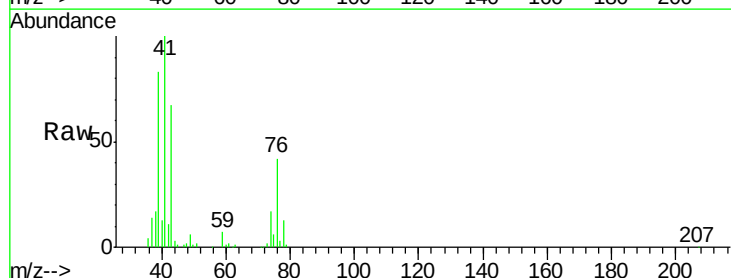
Manual Integrations
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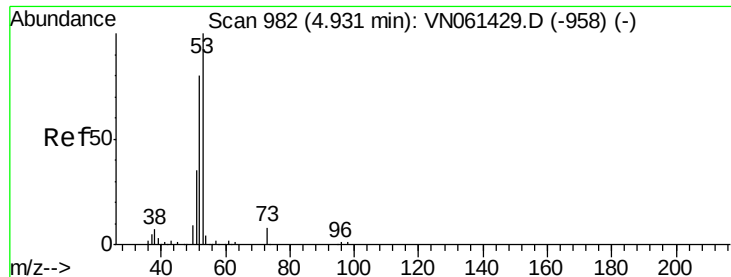
MMDadoda
5/19/2020 4:24:48 PM



#14
Allyl chloride
Concen: 45.772 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	77.4	61.2	91.8
76	76	39.2	29.9	44.9





#15

Acrylonitrile

Concen: 230.174 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

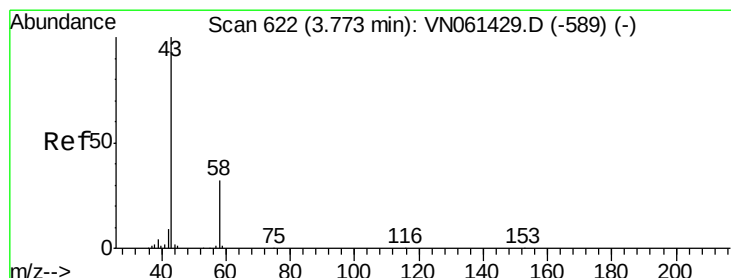
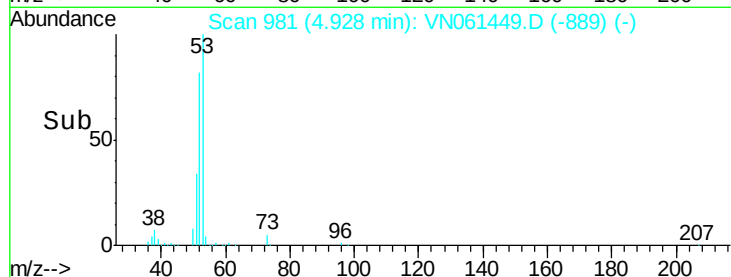
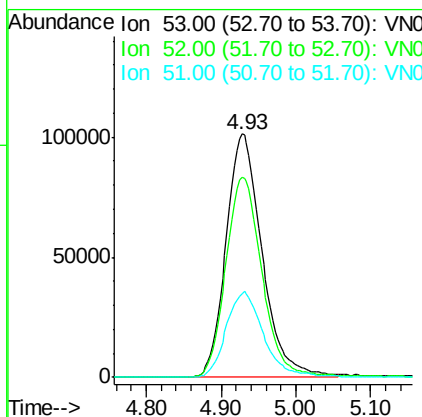
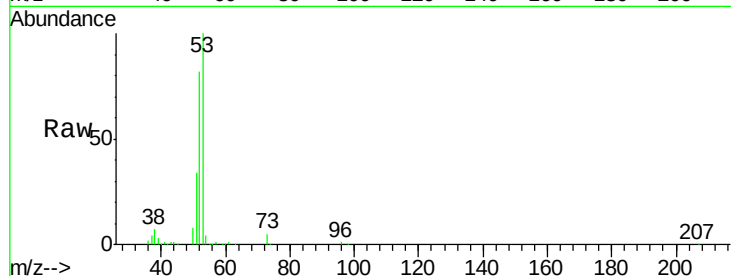
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	338900
Ion Ratio	Lower	Upper	
53	100		
52	82.1	64.7	97.1
51	36.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 227.714 ug/l

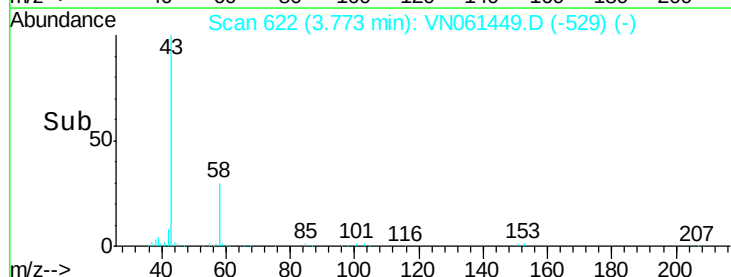
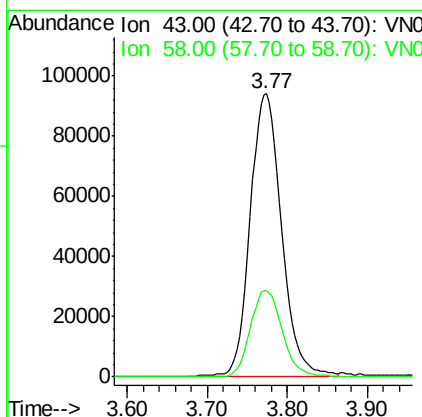
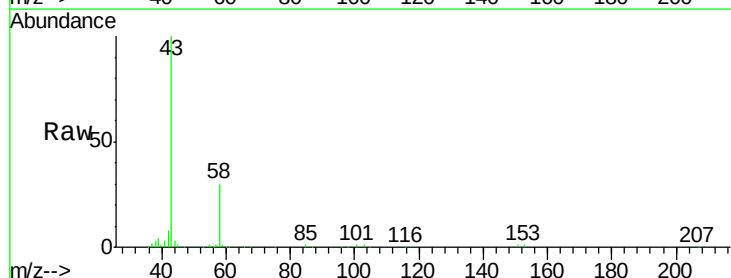
RT: 3.77 min Scan# 622

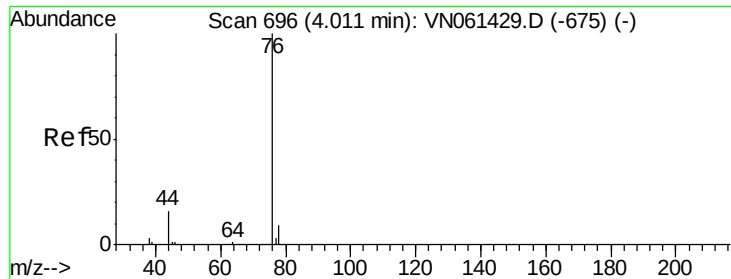
Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Tgt Ion:	43	Resp:	252392
Ion Ratio	Lower	Upper	
43	100		
58	30.3	25.6	38.4





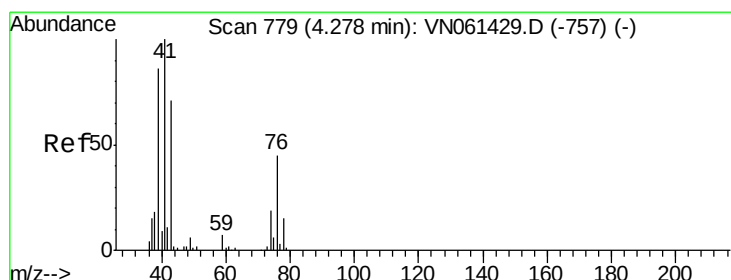
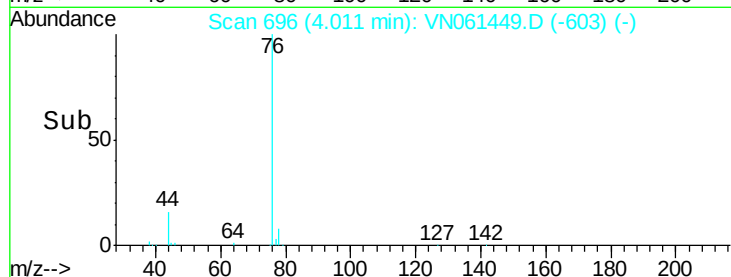
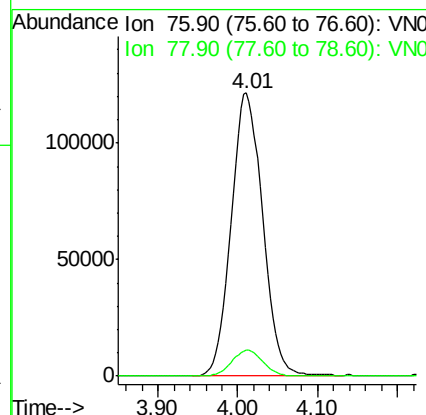
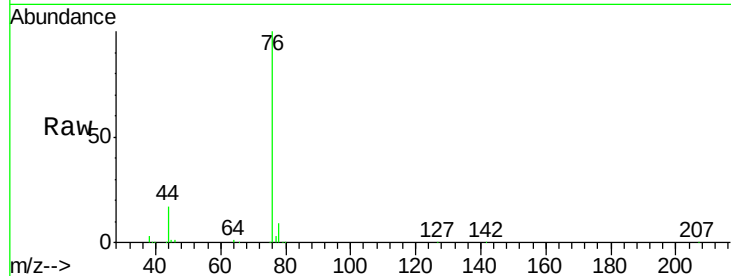
#17
Carbon Disulfide
Concen: 51.323 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 325682
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

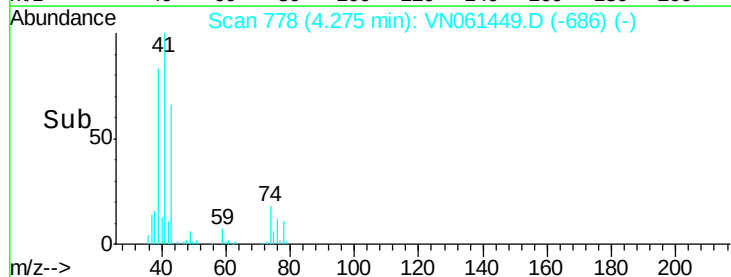
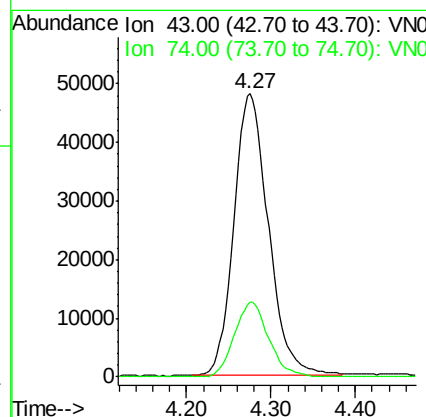
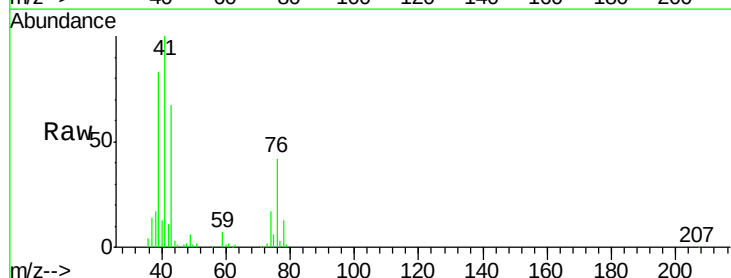
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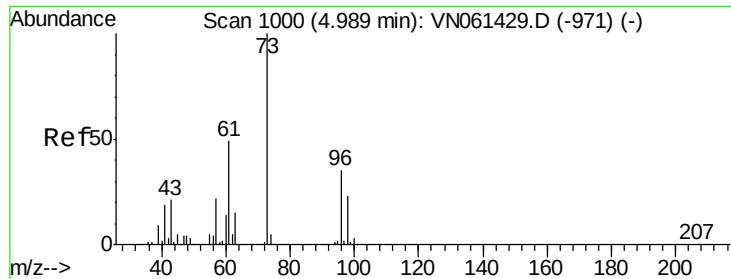
MMDadoda
5/19/2020 4:24:48 PM



#18
Methyl Acetate
Concen: 46.388 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 43 Resp: 137440
Ion Ratio Lower Upper
43 100
74 26.2 20.8 31.2





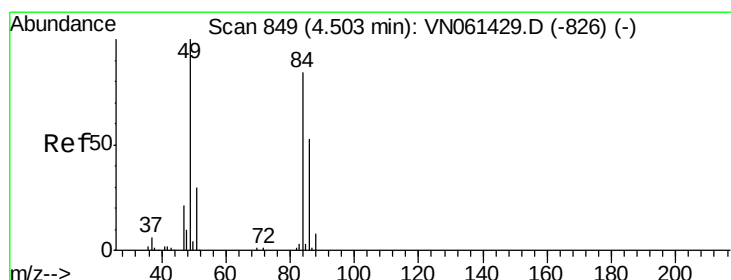
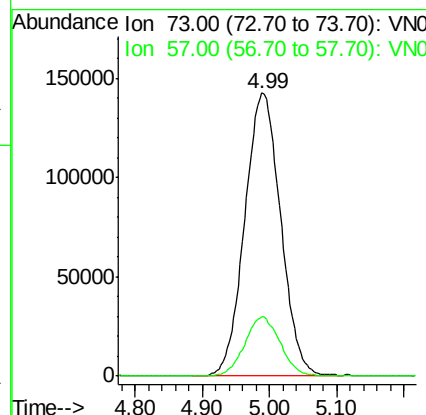
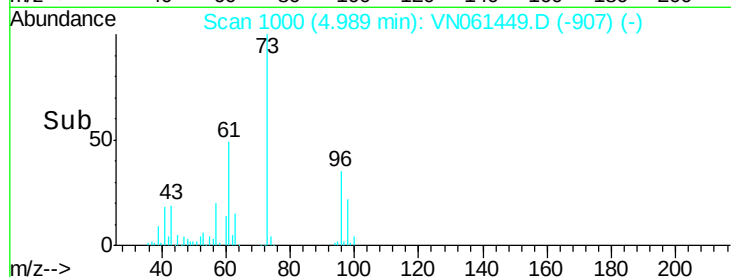
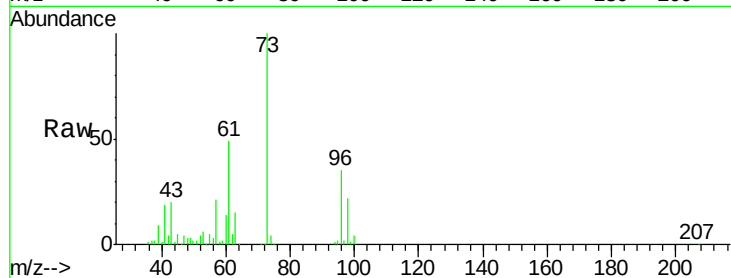
#19
Methvl tert-butvl Ether
Concen: 47.136 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 529883
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0

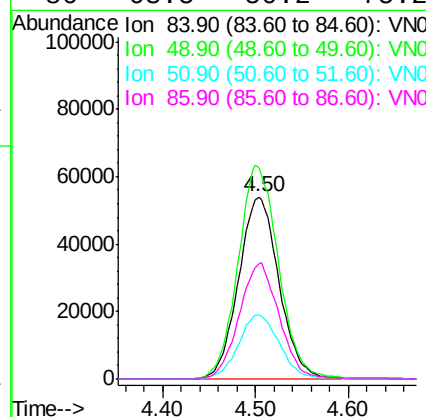
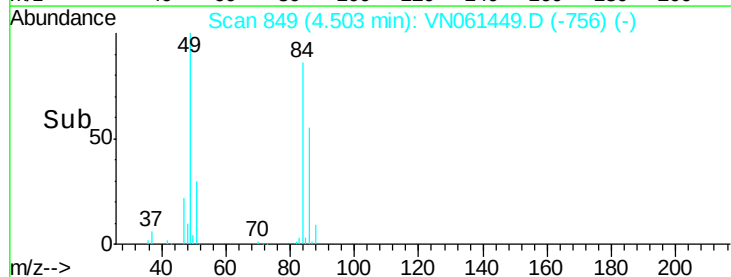
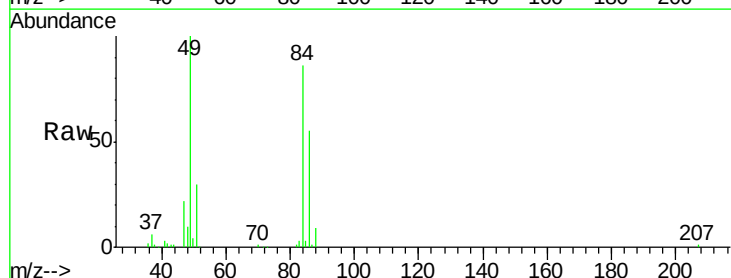
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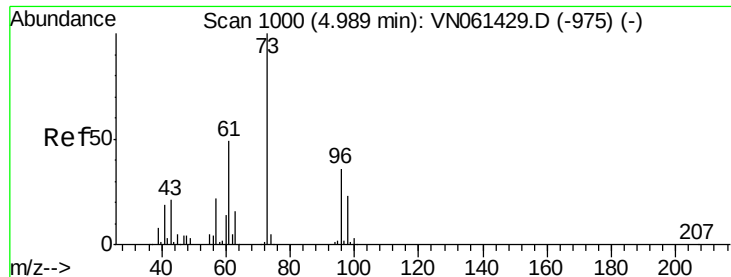
MMDadoda
5/19/2020 4:24:48 PM



#20
Methylene Chloride
Concen: 46.038 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 84 Resp: 163192
Ion Ratio Lower Upper
84 100
49 115.8 95.3 142.9
51 35.2 29.0 43.6
86 63.5 50.2 75.2





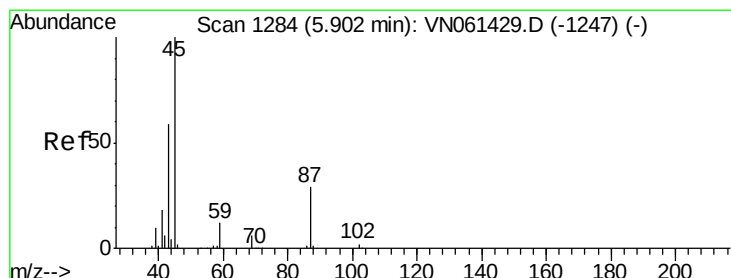
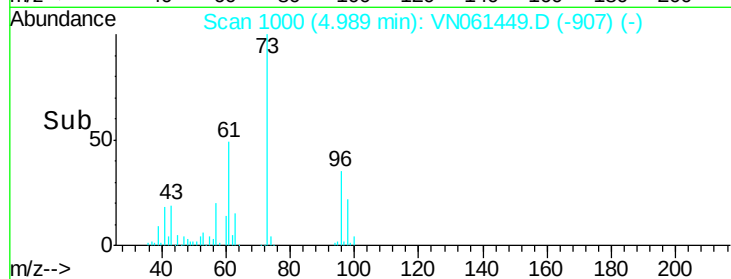
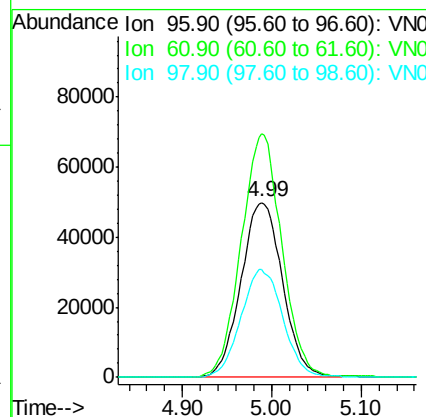
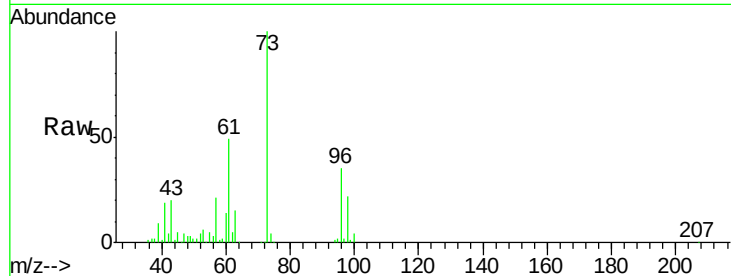
#21
trans-1,2-Dichloroethene
Concen: 47.293 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	109.8	164.6
98	61.5	52.4	78.6

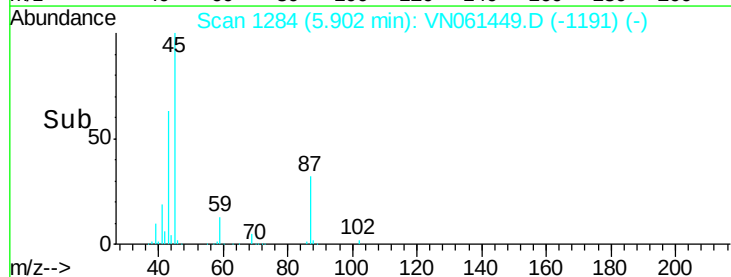
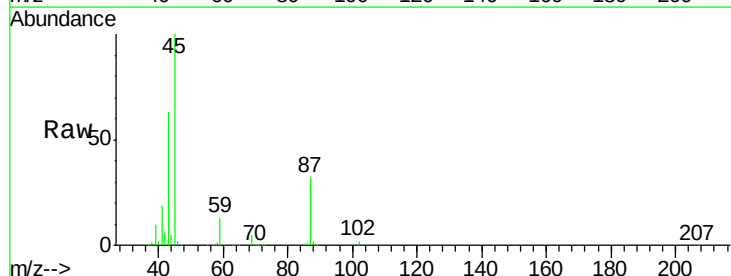
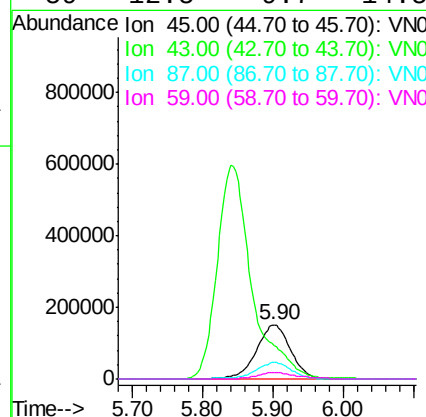
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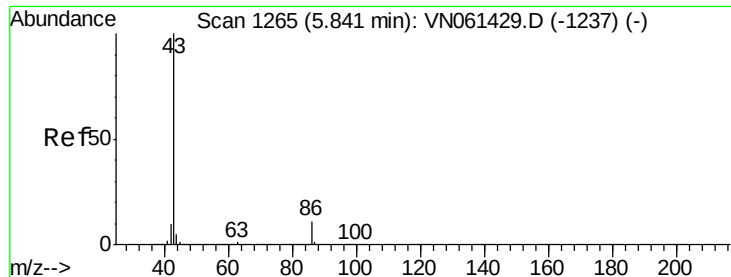
MMDadoda
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#22
Diisopropyl ether
Concen: 47.049 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	47.9	71.9
87	31.5	24.0	36.0
59	12.5	9.7	14.5





#23

Vinyl Acetate

Concen: 238.987 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2058811

Ion Ratio Lower Upper

43 100

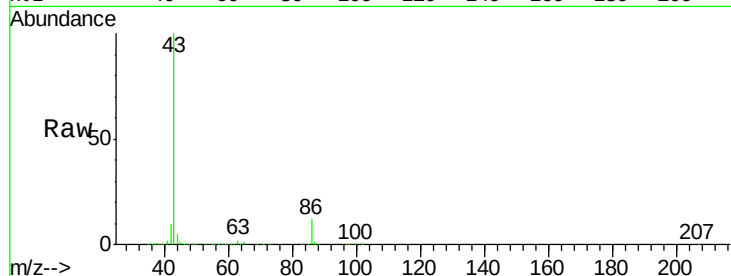
86 11.9 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

600000

400000

200000

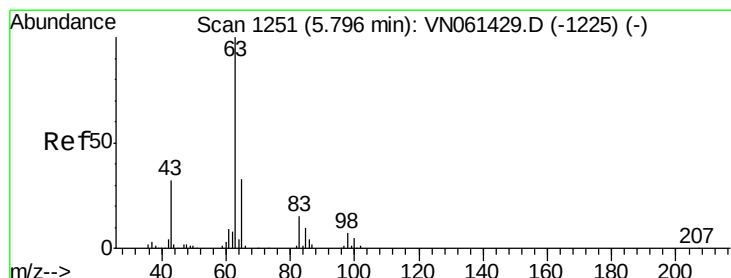
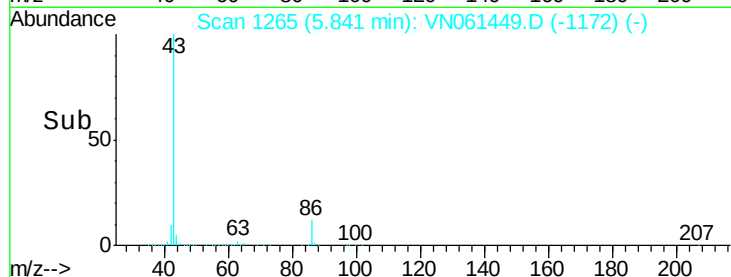
0

5.80

5.84

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.774 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

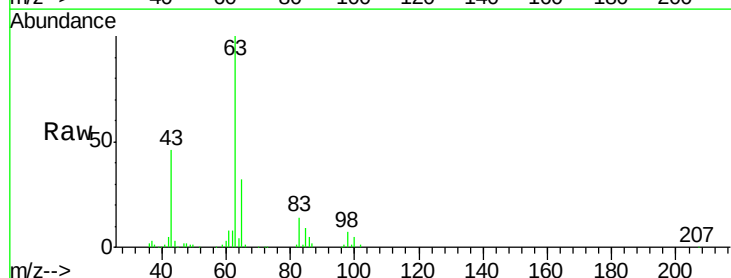
Tgt Ion: 63 Resp: 301874

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 5.2 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

60000

40000

20000

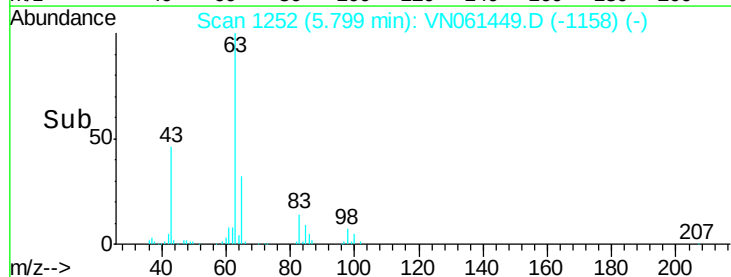
0

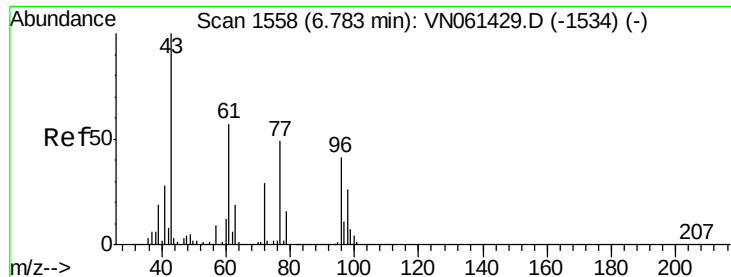
5.70

5.80

5.90

Time-->





#25

2-Butanone

Concen: 223.969 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 439833

Ion Ratio Lower Upper

43 100

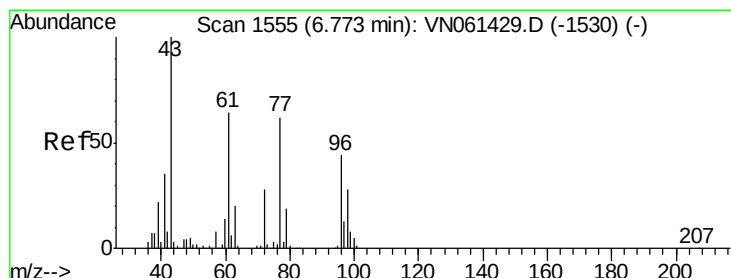
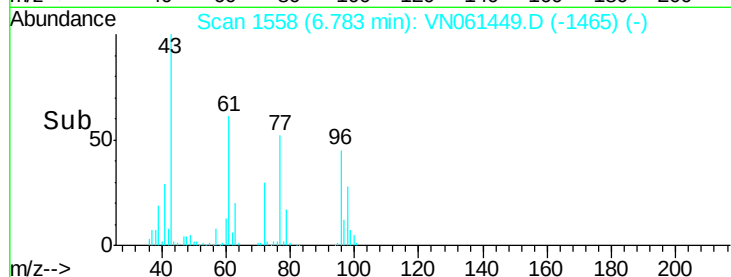
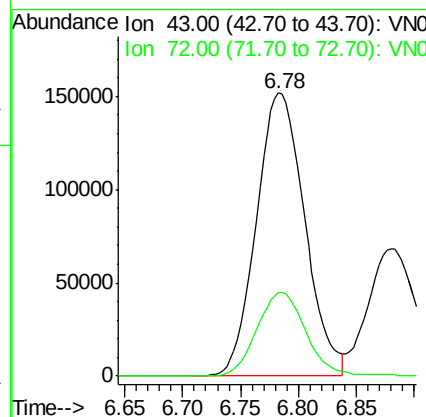
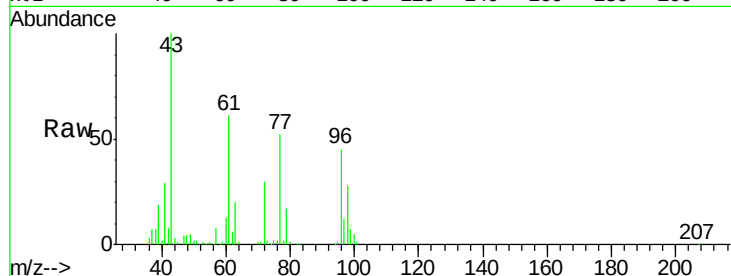
72 29.6 23.0 34.6

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:48 PM



#26

2,2-Dichloropropane

Concen: 43.995 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061449.D

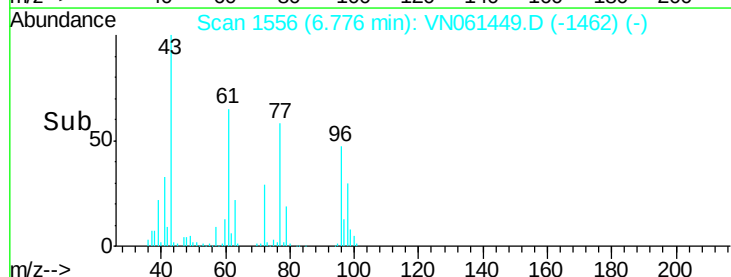
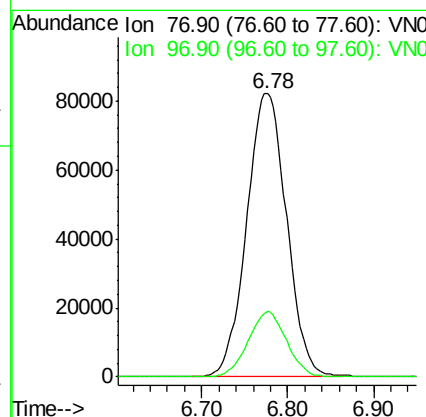
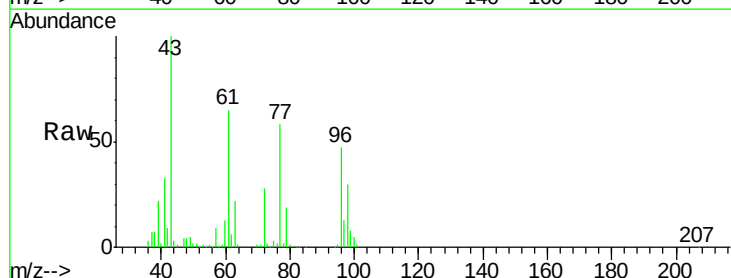
Acq: 18 May 2020 20:57

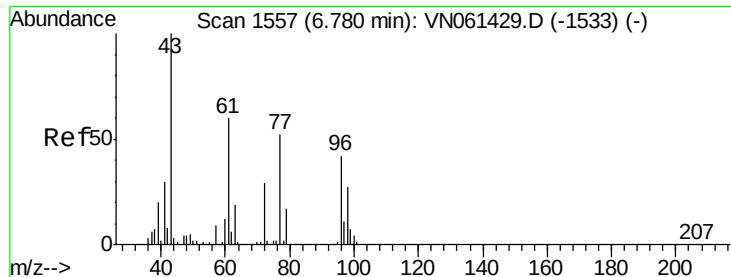
Tgt Ion: 77 Resp: 265006

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 48.726 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

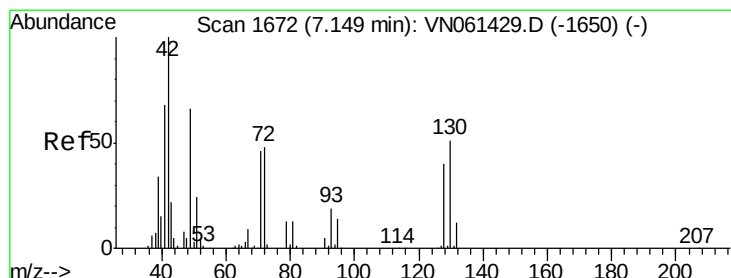
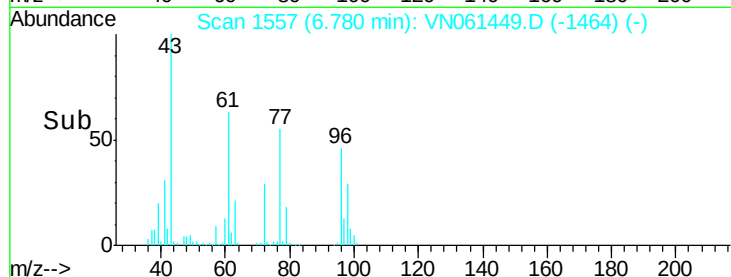
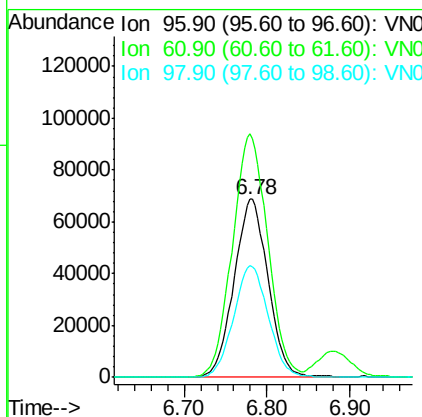
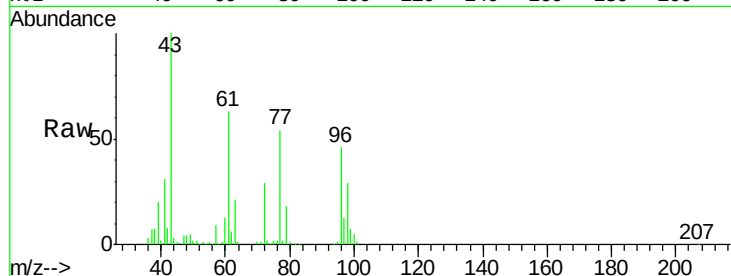
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	196606
Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	294.2
98	64.0	0.0	128.2

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#28

Bromochloromethane

Concen: 50.867 ug/l

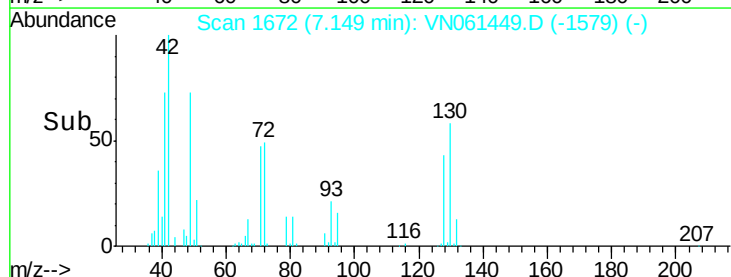
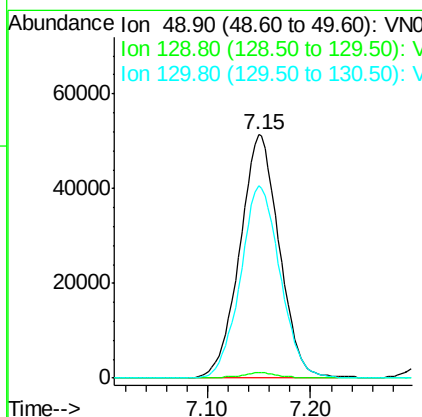
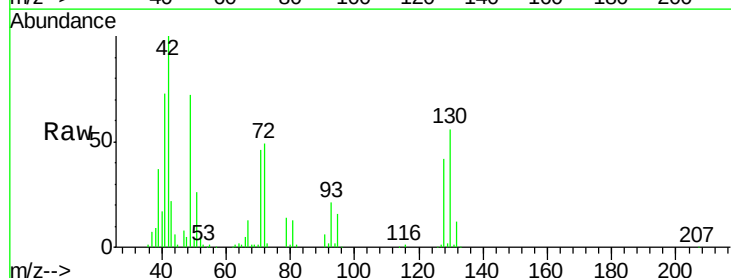
RT: 7.15 min Scan# 1672

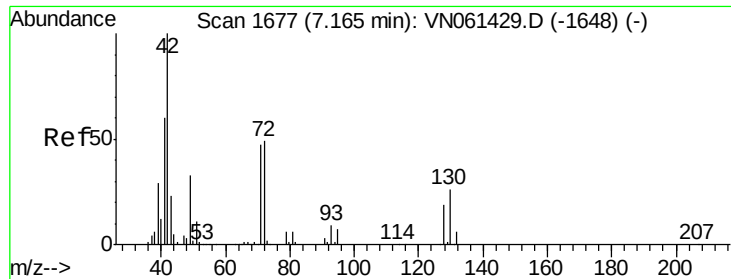
Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Tgt Ion:	49	Resp:	136429
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	79.5	62.2	93.2





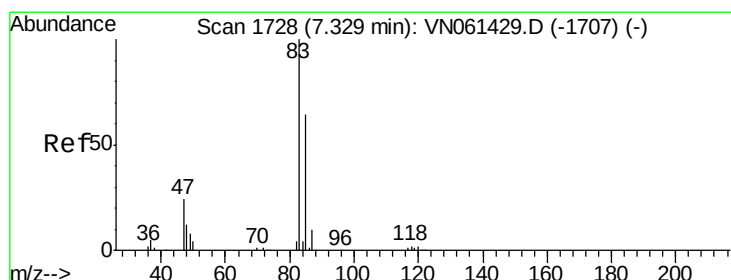
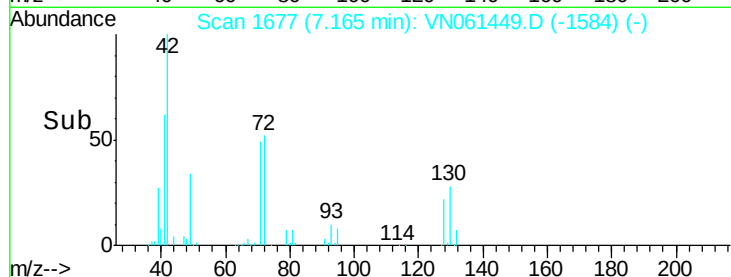
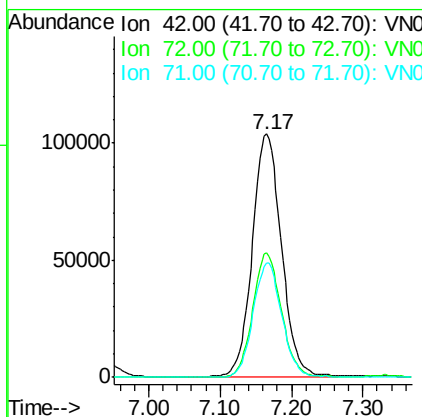
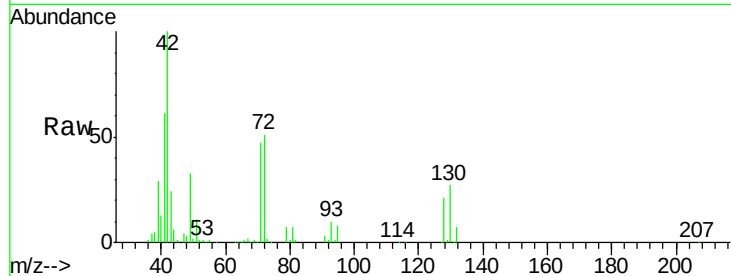
#29
Tetrahydrofuran
Concen: 227.872 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.0	58.6
71	45.9	36.9	55.3

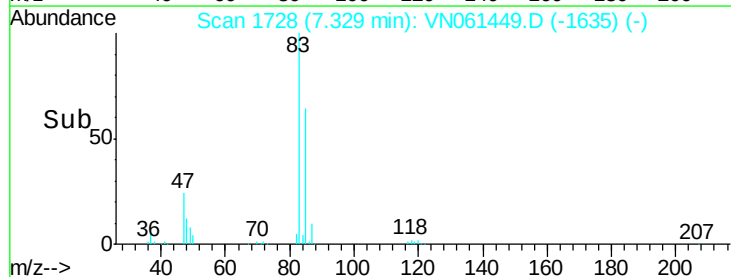
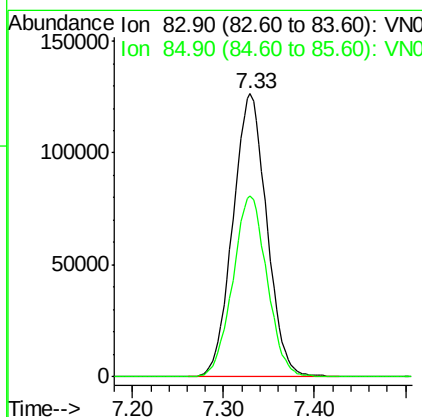
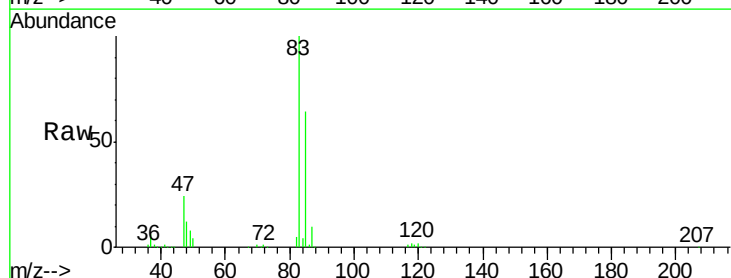
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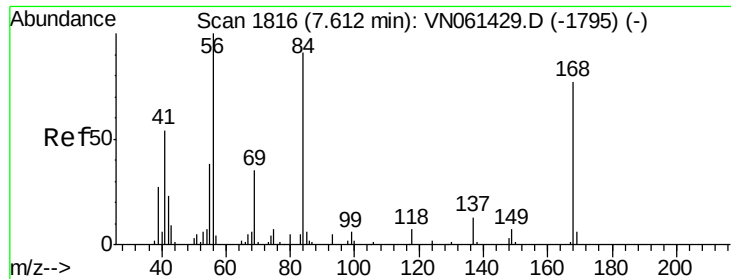
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#30
Chloroform
Concen: 49.671 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.4





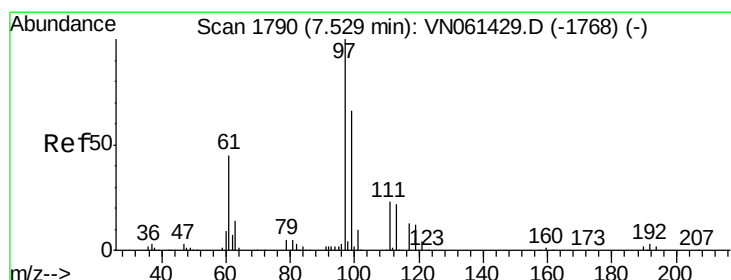
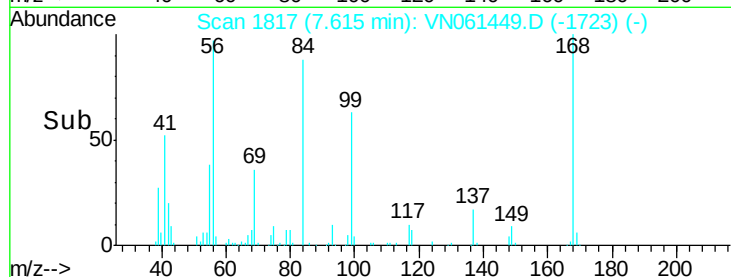
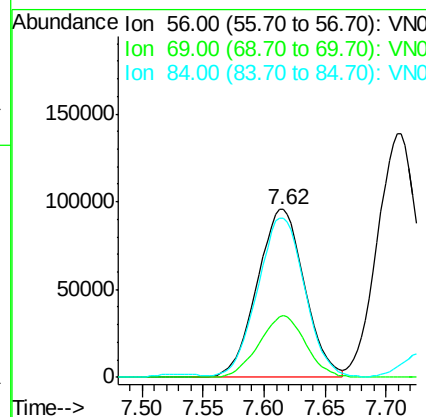
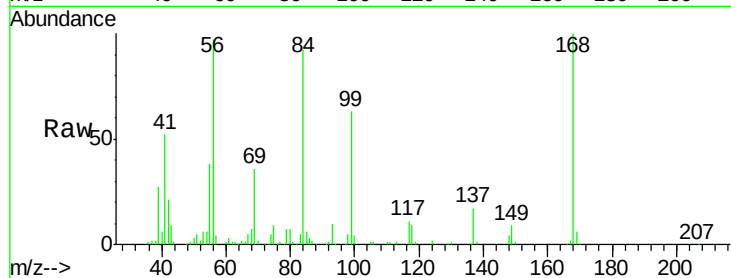
#31
Cyclohexane
Concen: 46.211 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	258258		
69	36.8		27.8	41.6
84	93.4		72.7	109.1

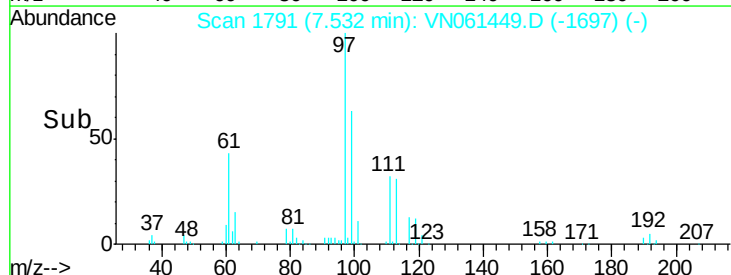
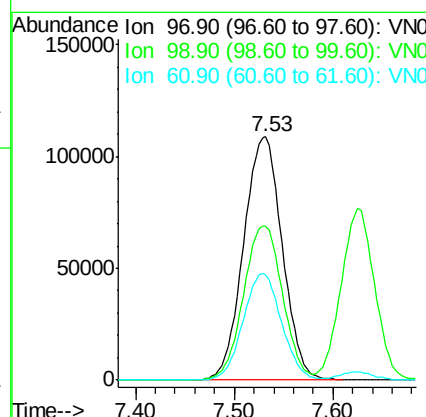
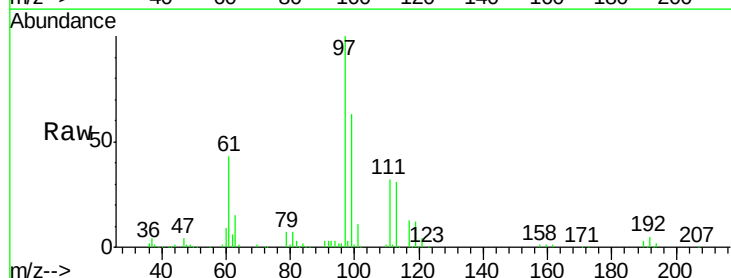
Manual Integrations
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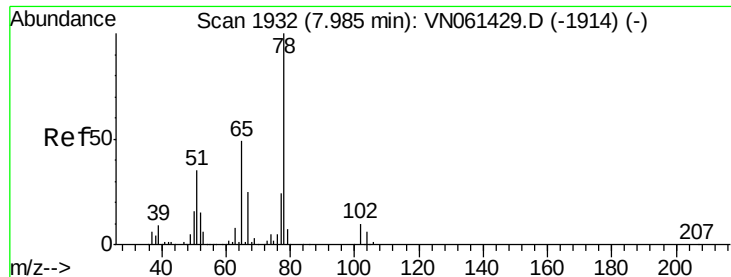
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#32
1,1,1-Trichloroethane
Concen: 48.996 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	295482		
99	64.2		51.5	77.3
61	43.5		35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 51.423 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 221797

Ion Ratio Lower Upper

65 100

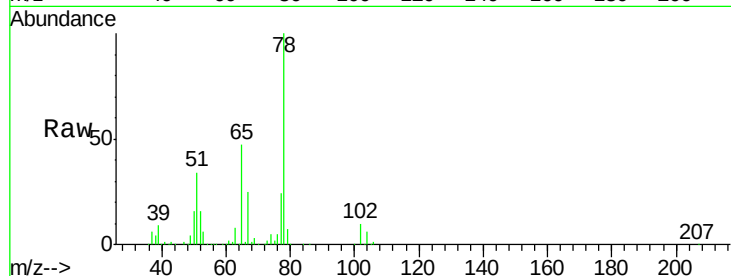
67 52.2 0.0 101.4

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Abundance Ion 64.90 (64.60 to 65.60): VN061449.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN061449.D (-1839) (-)

7.99

100000

80000

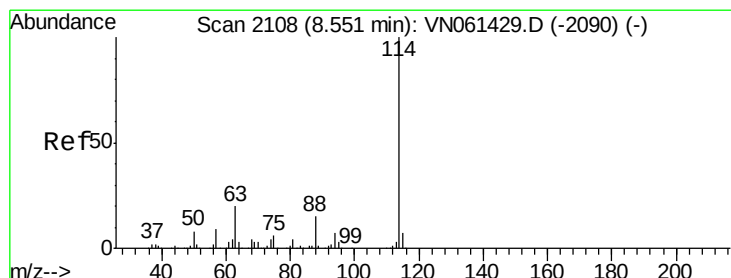
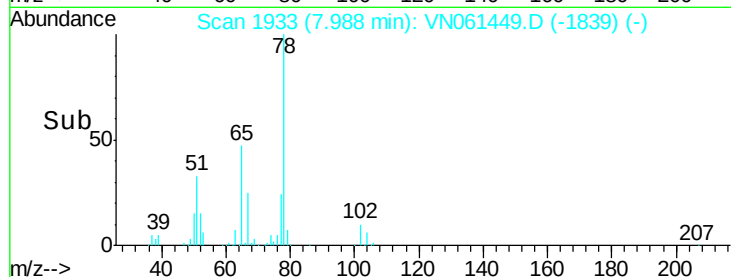
60000

40000

20000

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: VN061449.D

Acq: 18 May 2020 20:57

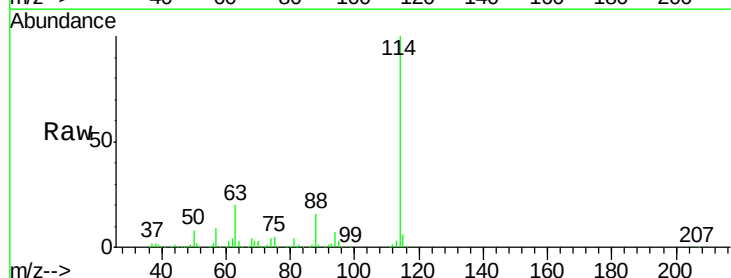
Tgt Ion: 114 Resp: 540287

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.9 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN061449.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN061449.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN061449.D (-2015) (-)

8.55

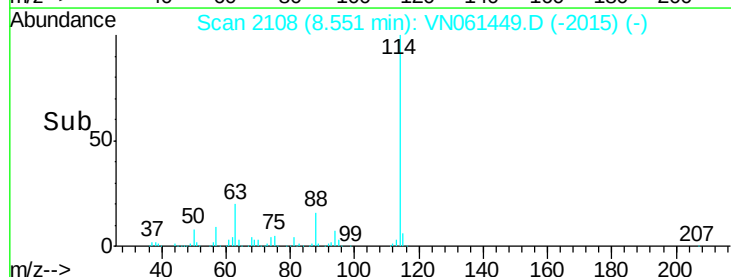
300000

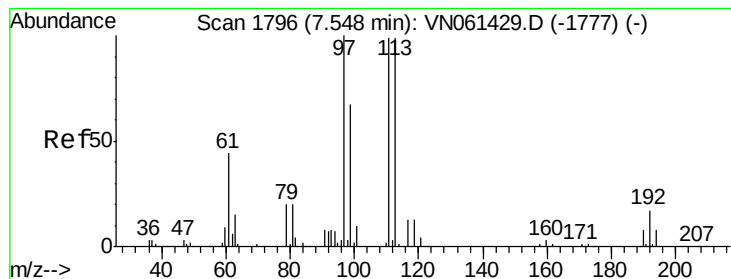
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.158 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

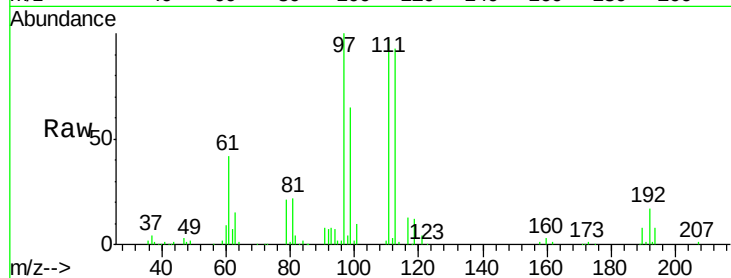
ClientSampleId :

VSTDCCC050EC

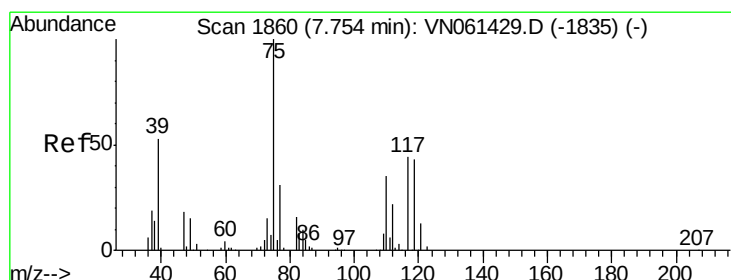
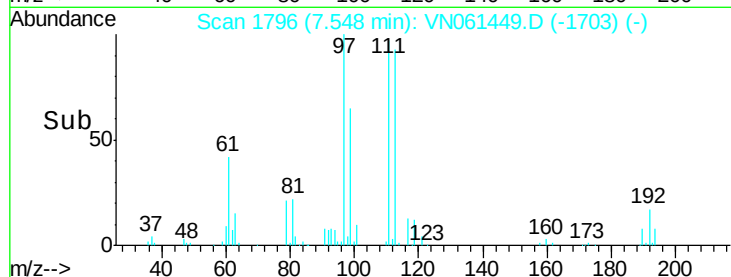
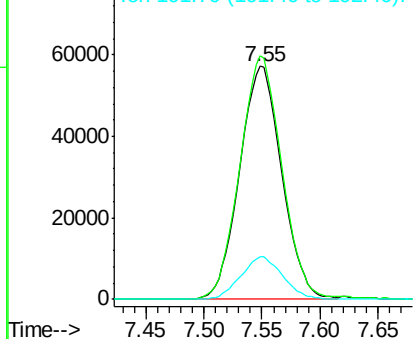
Tot Ion:	113	Resp:	144799
Ion Ratio	Lower	Upper	
113	100		
111	104.0	80.6	121.0
192	18.2	13.2	19.8

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.579 ug/l

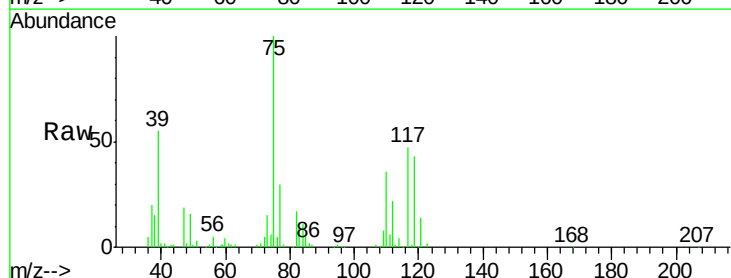
RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

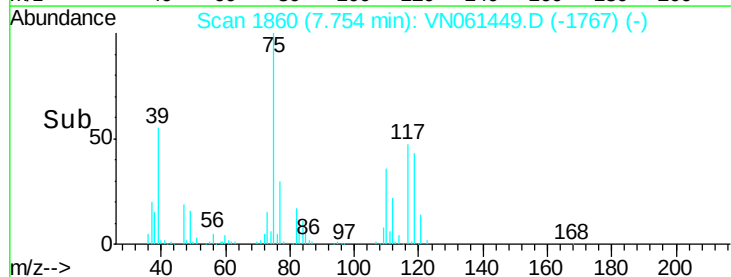
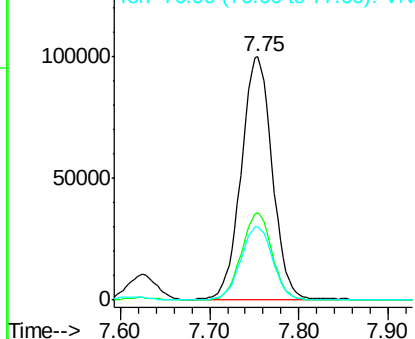
Lab File: VN061449.D

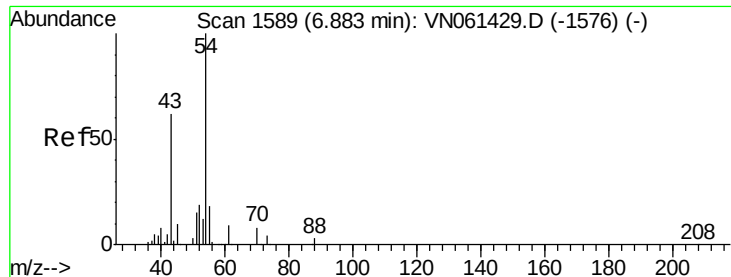
Acq: 18 May 2020 20:57

Tgt Ion:	75	Resp:	240369
Ion Ratio	Lower	Upper	
75	100		
110	35.6	17.3	51.9
77	31.4	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





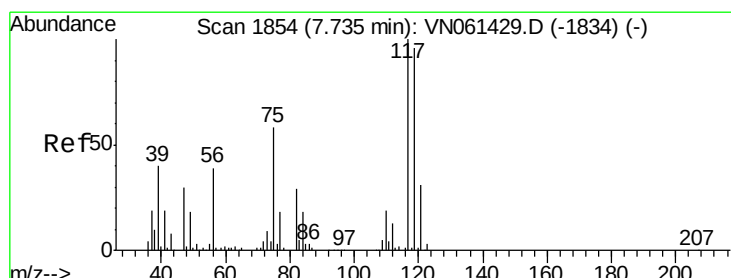
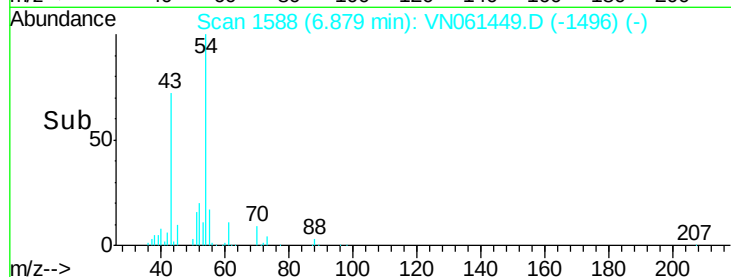
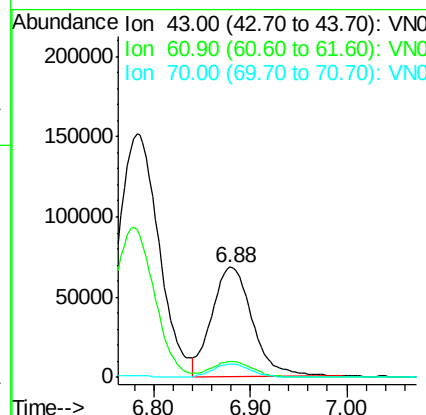
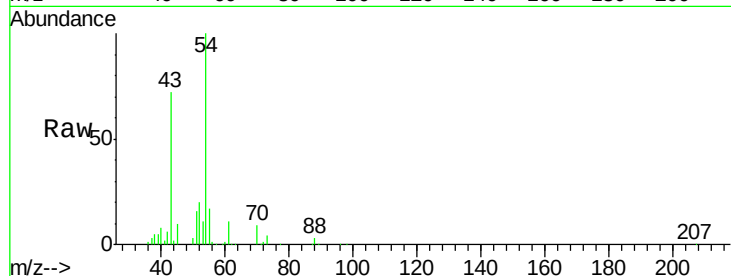
#37
Ethyl Acetate
Concen: 43.518 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	199381
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	11.7	9.2	13.8

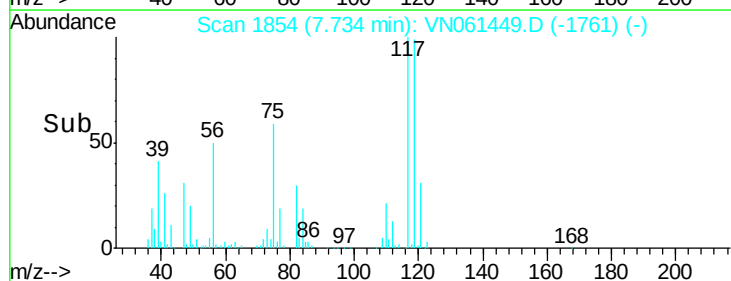
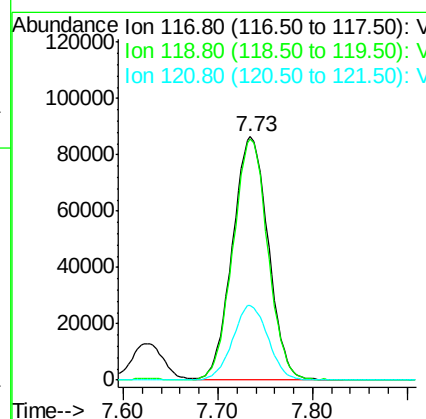
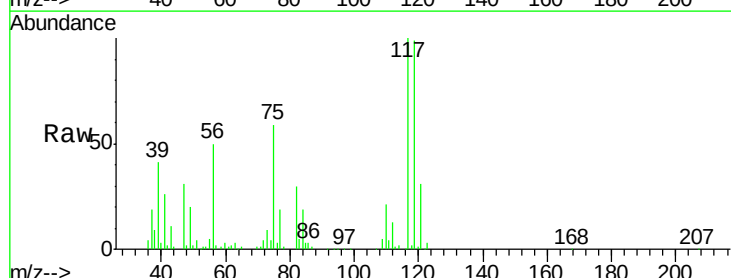
Manual Integrations
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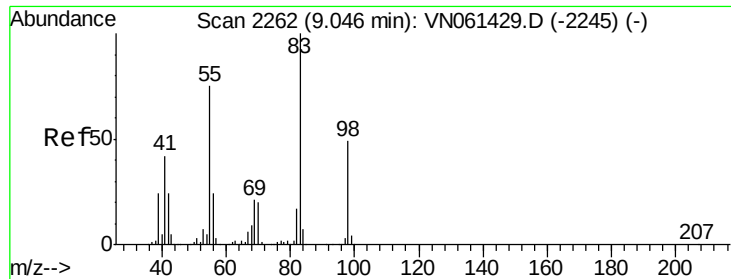
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#38
Carbon Tetrachloride
Concen: 48.681 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	117	Resp	226457
Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.0	115.6
121	30.7	24.7	37.1





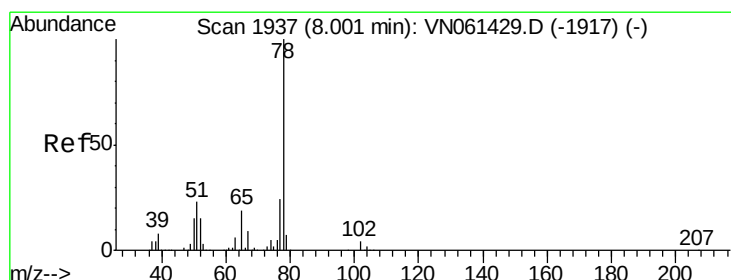
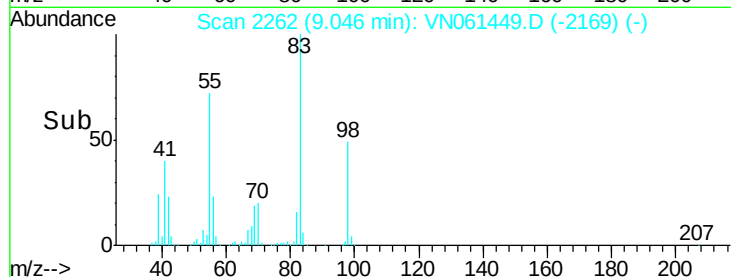
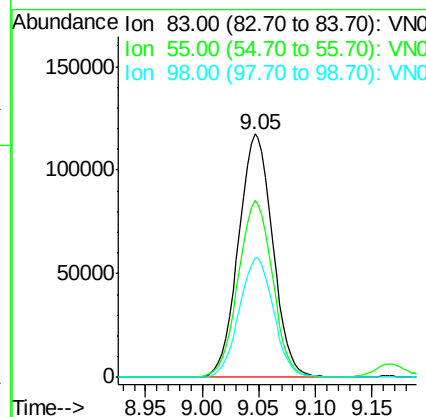
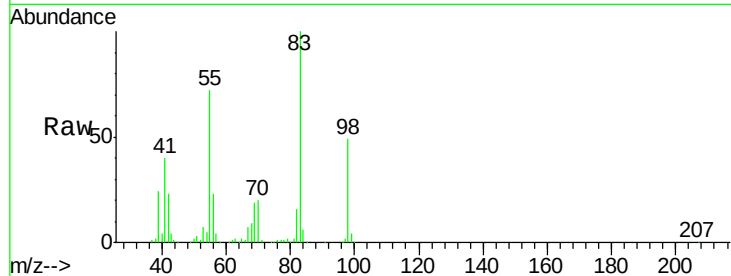
#39
Methylvlcyclohexane
Concen: 40.260 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	248419		
55	72.5		59.7	89.5
98	48.9		38.9	58.3

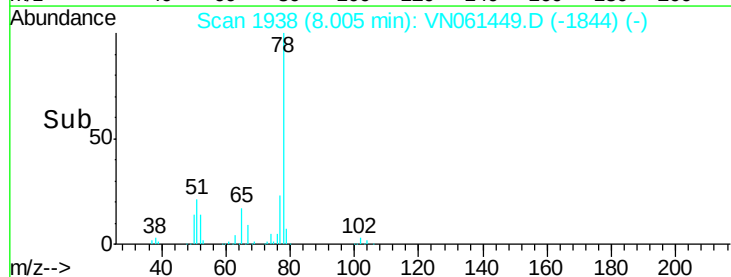
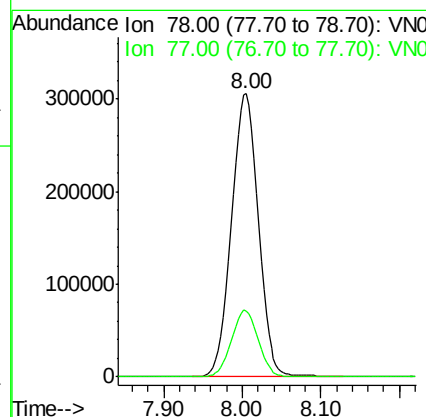
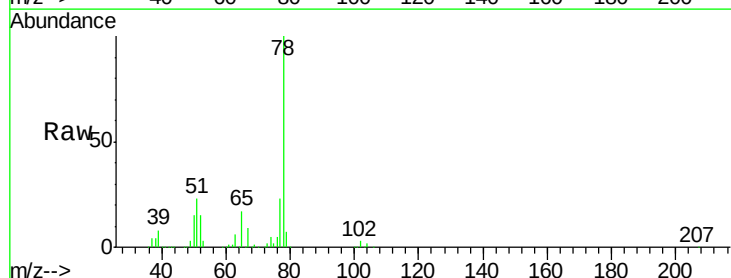
Manual Integrations
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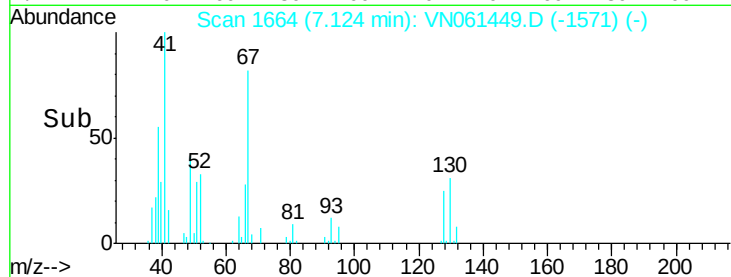
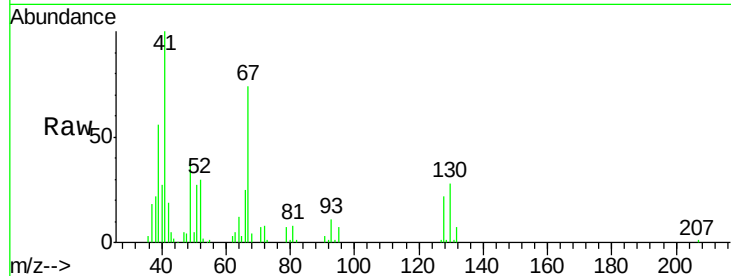
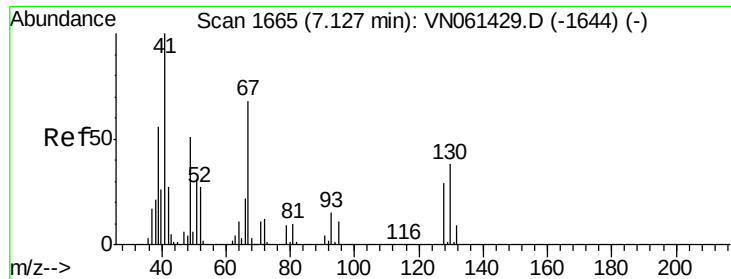
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#40
Benzene
Concen: 47.502 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

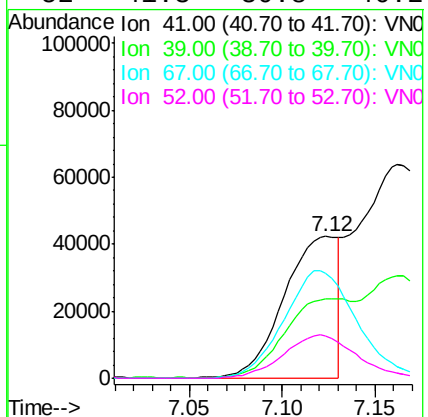
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	723188		
77	23.5		19.1	28.7





#41
Methacrylonitrile
Concen: 44.253 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

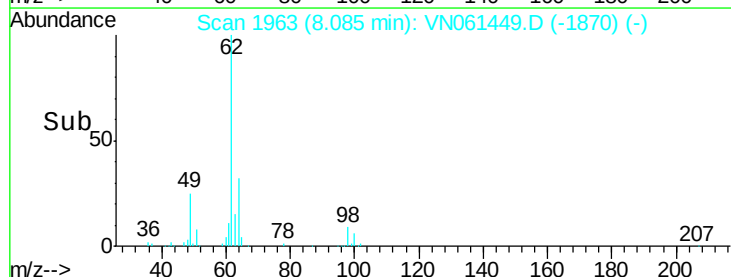
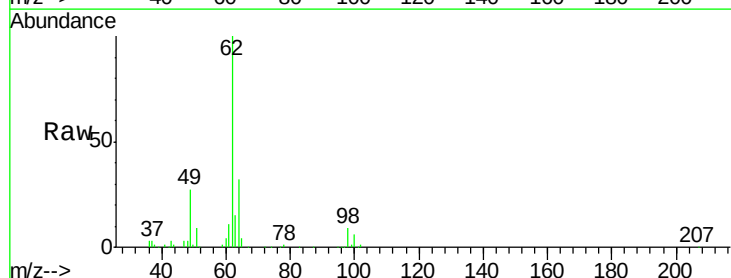
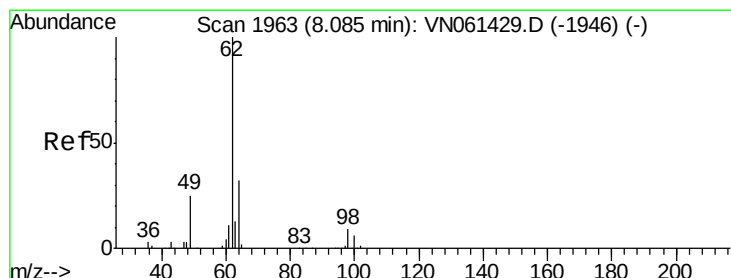
Tot Ion	Ratio	Lower	Upper
41	100		
39	70.7	48.3	72.5
67	102.8	74.2	111.4
52	41.3	30.8	46.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

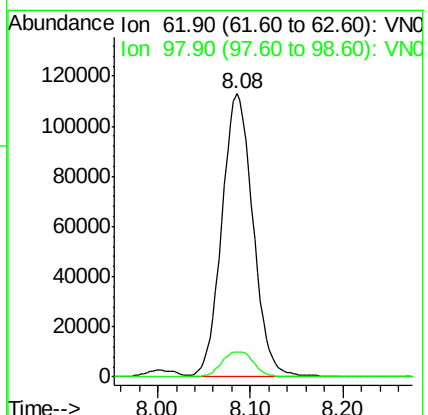
Manual Integrations
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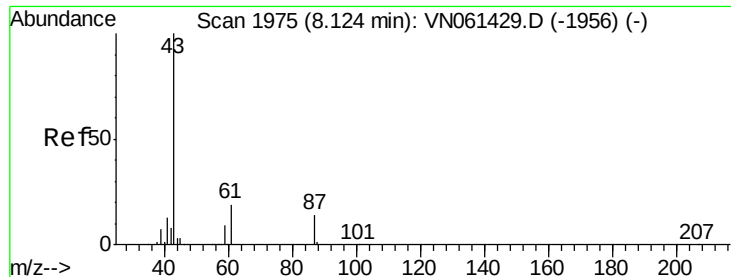
MMDadoda
5/19/2020 4:24:48 PM



#42
1,2-Dichloroethane
Concen: 47.780 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





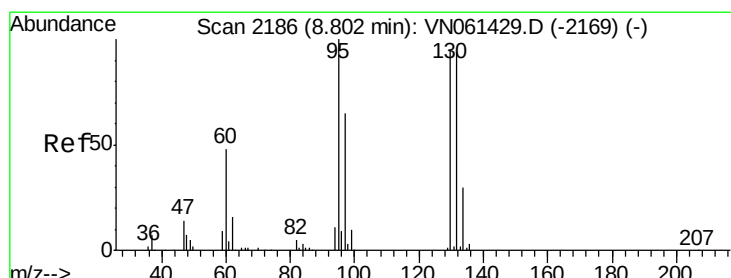
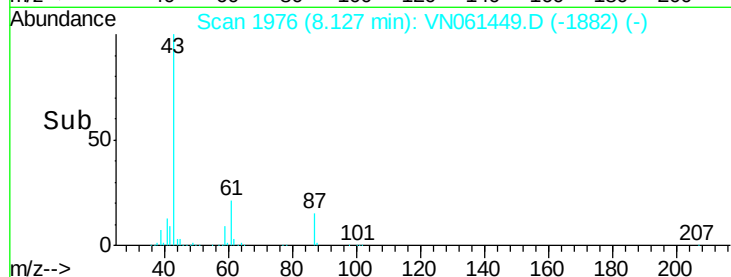
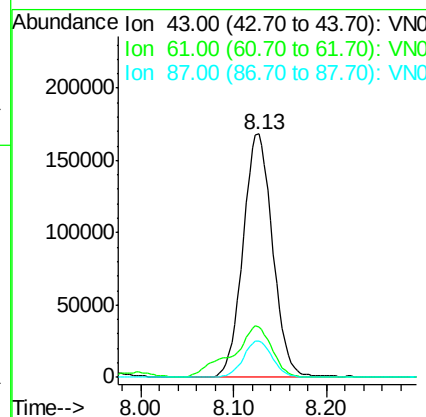
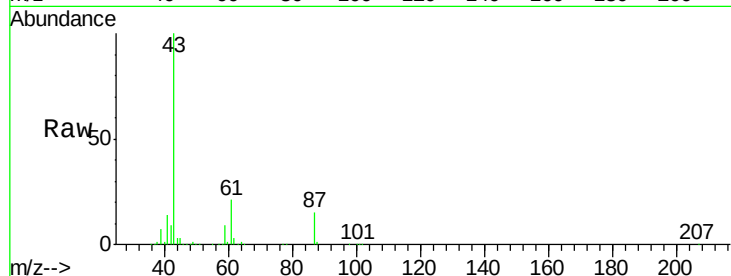
#43
Isopropyl Acetate
Concen: 46.724 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.0	34.4
87	14.6	11.6	17.4

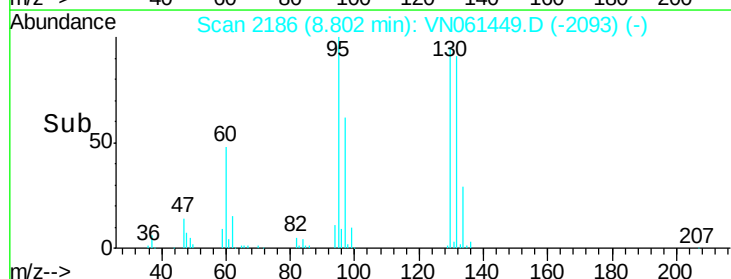
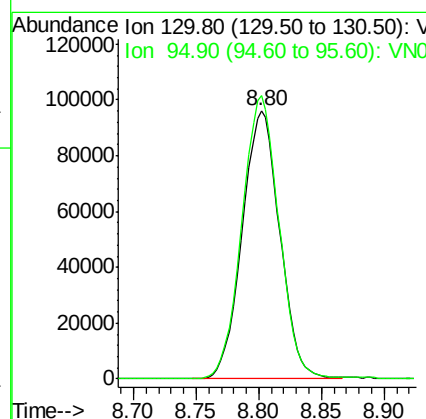
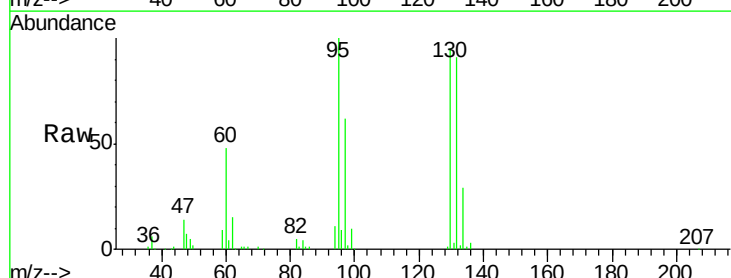
Manual Integrations
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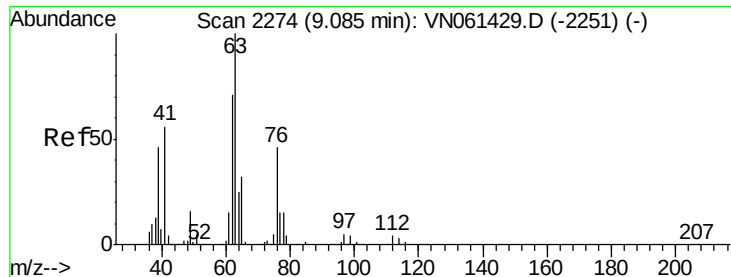
MMDadoda
5/19/2020 4:24:48 PM



#44
Trichloroethene
Concen: 50.115 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	209.8





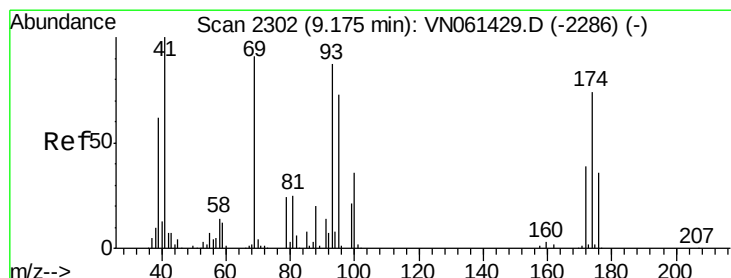
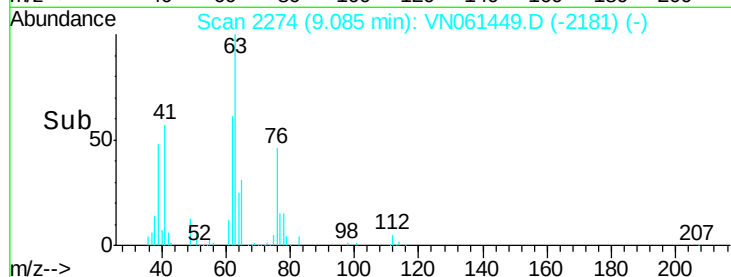
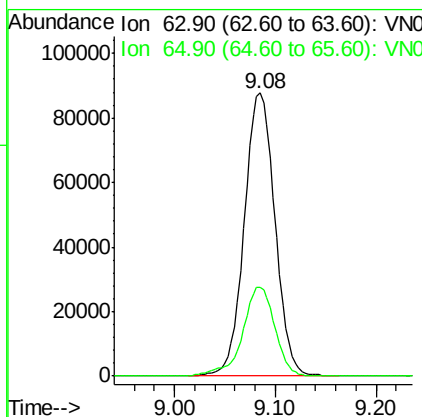
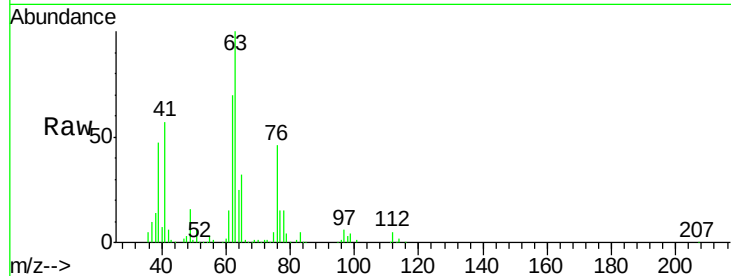
#45
 1,2-Dichloropropane
 Concen: 48.365 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 184304
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.2 37.8

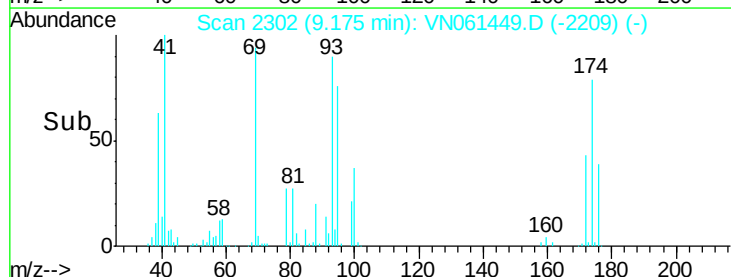
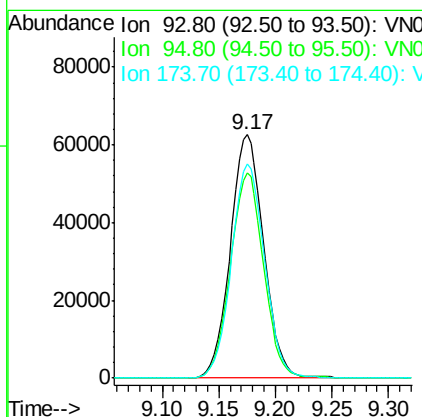
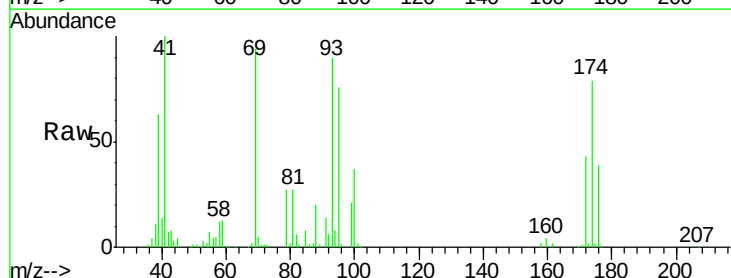
Manual Integrations
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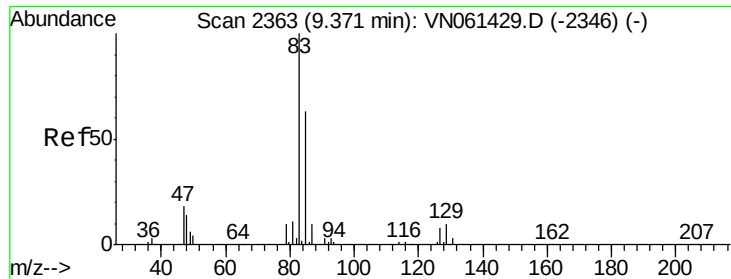
MMDadoda
 5/19/2020 4:24:48 PM



#46
 Dibromomethane
 Concen: 48.152 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion: 93 Resp: 128633
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.6 98.4
 174 87.8 68.0 102.0





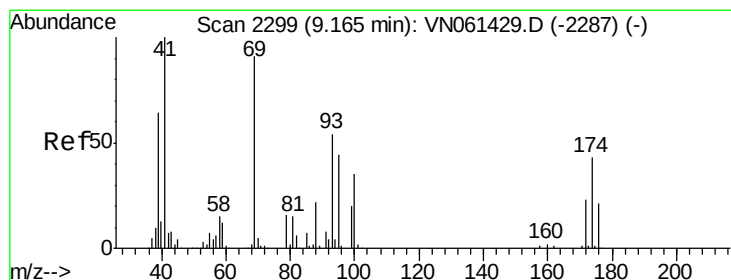
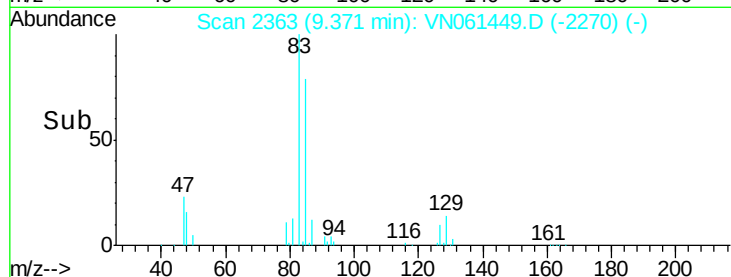
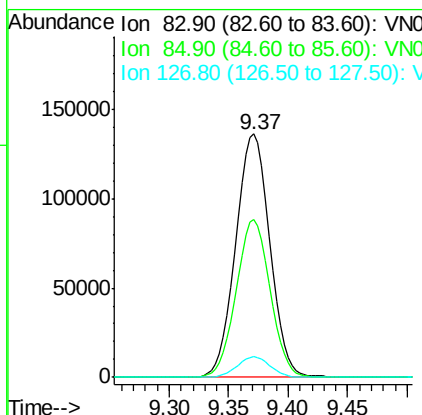
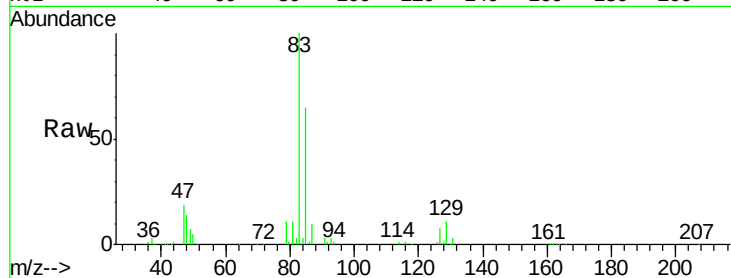
#47
Bromodichloromethane
Concen: 48.345 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.6	76.0
127	8.4	6.1	9.1

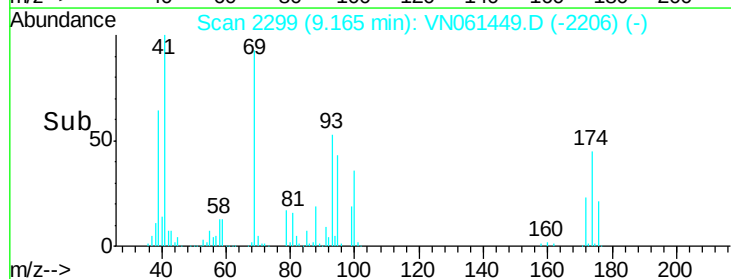
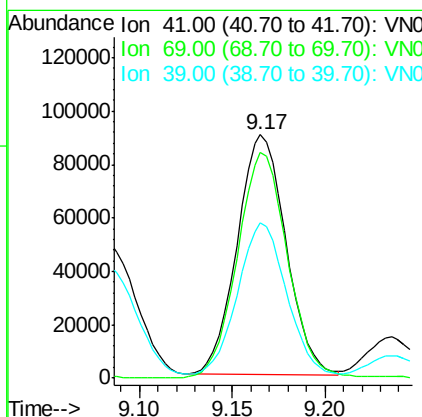
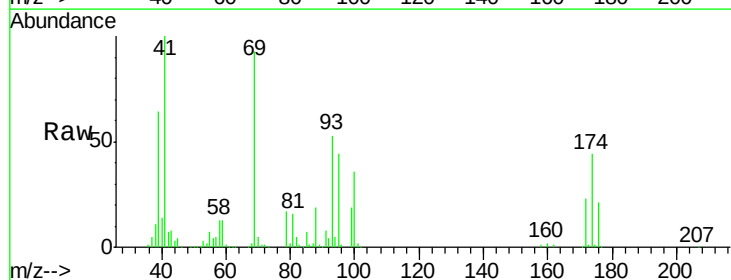
Manual Integrations
APPROVED

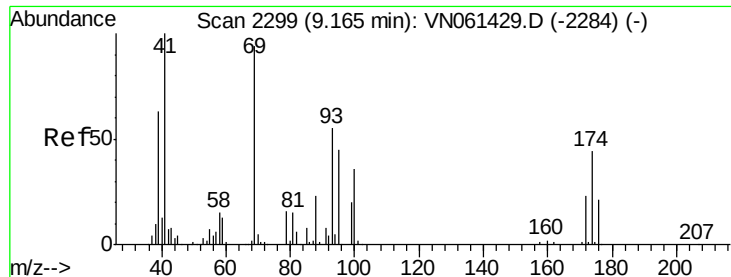
MMDadoda
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#48
Methyl methacrylate
Concen: 44.870 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.4	75.3	112.9
39	65.8	52.6	79.0





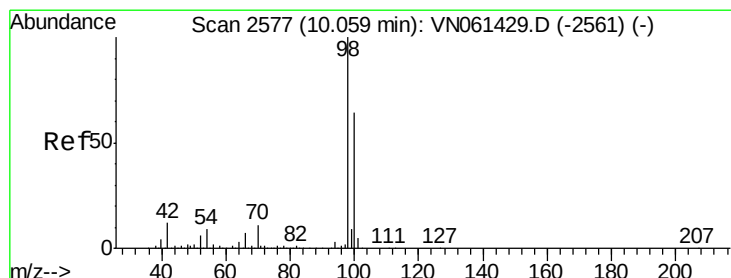
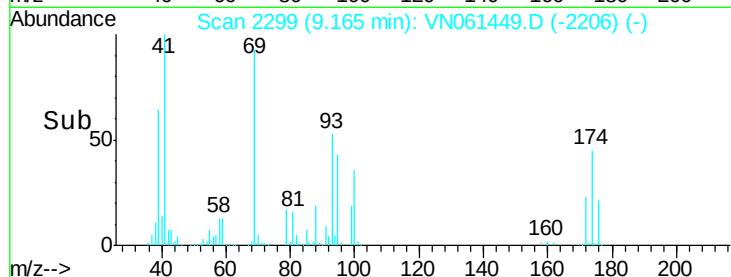
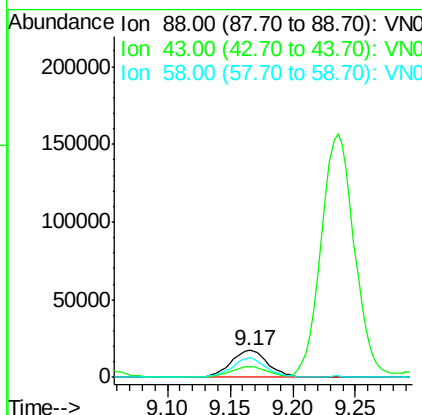
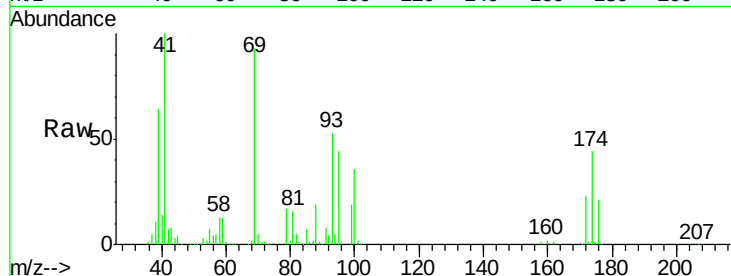
#49
1,4-Dioxane
Concen: 926.580 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	36083
Ion	Ratio	Lower	Upper
88	100		
43	38.4	26.3	39.5
58	66.1	54.1	81.1

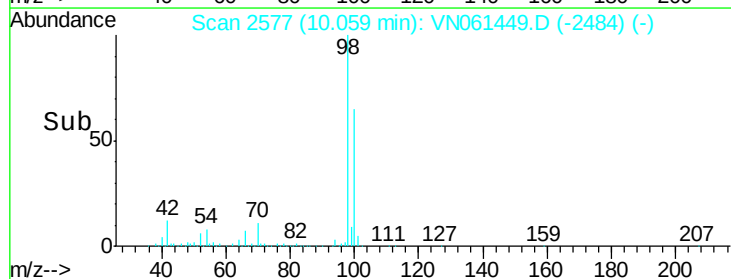
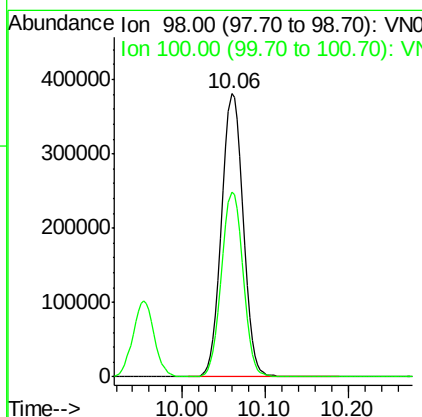
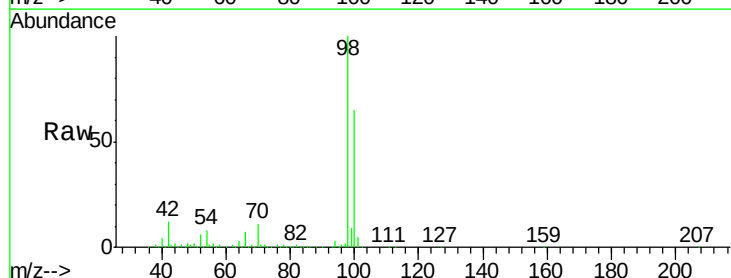
Manual Integrations
APPROVED

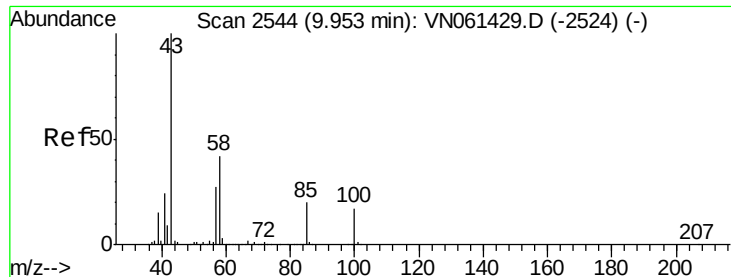
MMDadoda
5/19/2020 4:24:48 PM



#50
Toluene-d8
Concen: 52.503 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	98	Resp	689268
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 238.313 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1037381

Ion Ratio Lower Upper

43 100

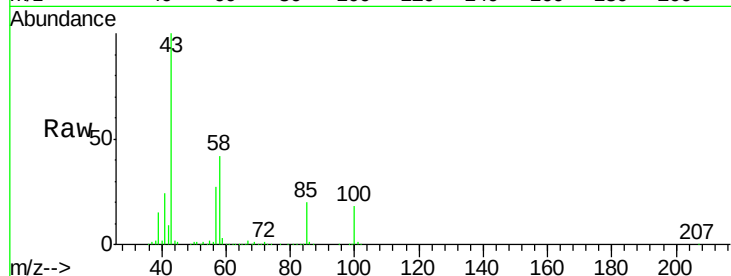
58 41.9 33.4 50.2

Manual Integrations

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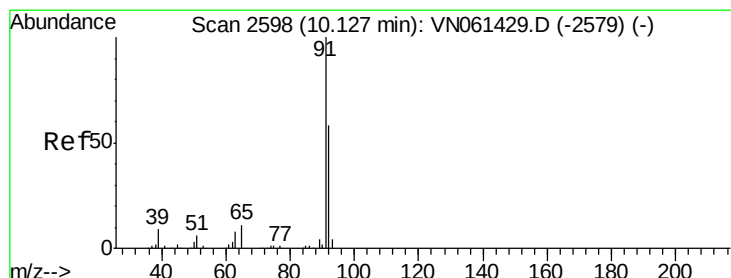
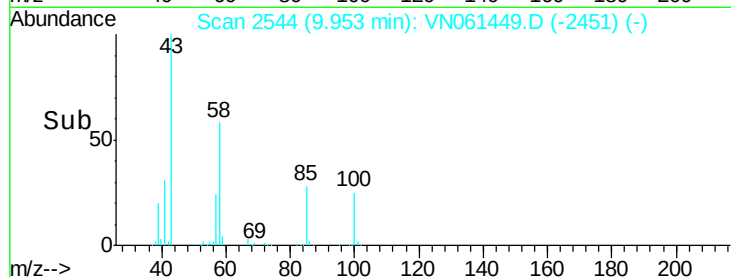
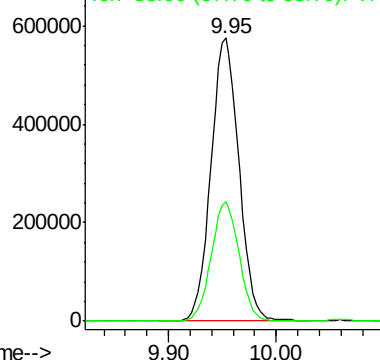
MMDadoda

5/19/2020 4:24:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.104 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061449.D

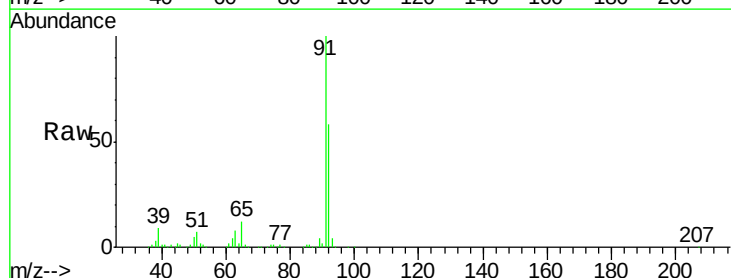
Acq: 18 May 2020 20:57

Tgt Ion: 92 Resp: 479951

Ion Ratio Lower Upper

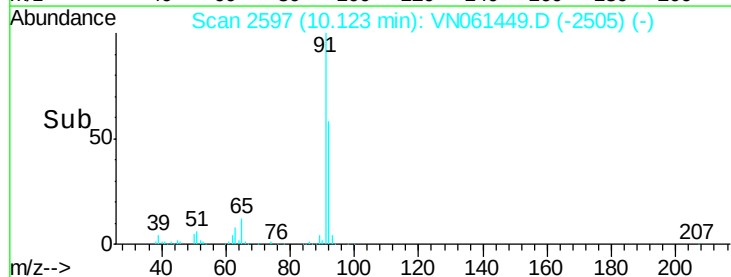
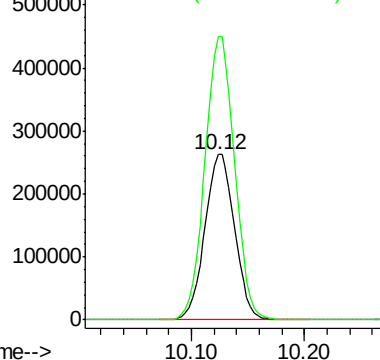
92 100

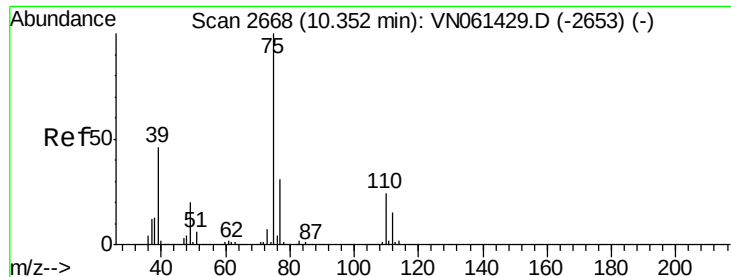
91 171.4 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





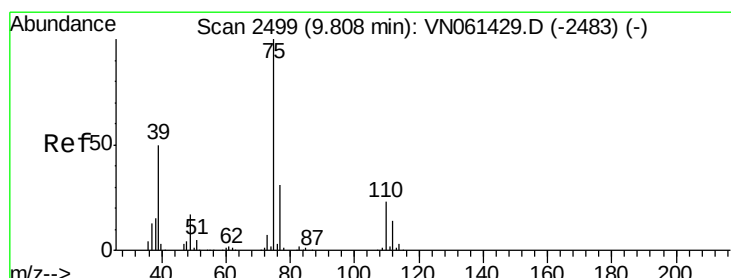
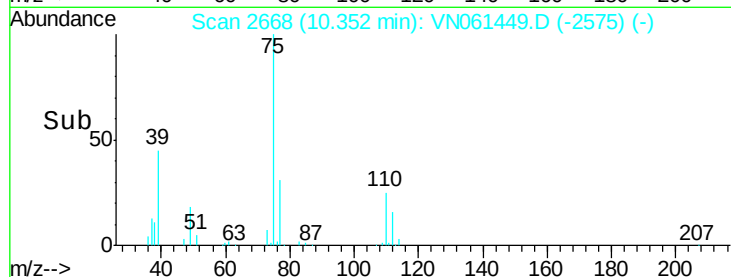
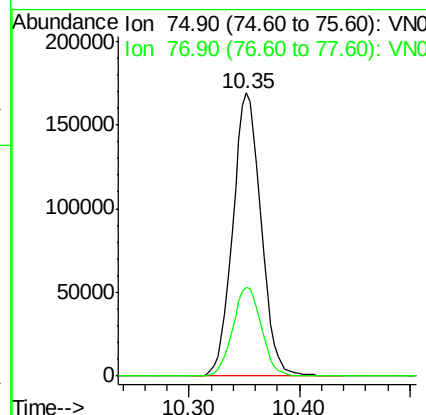
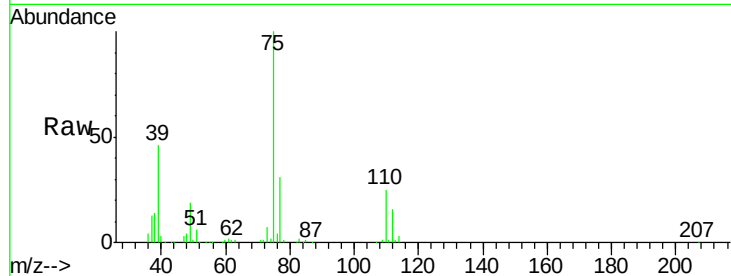
#53
t-1,3-Dichloropropene
Concen: 48.632 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2

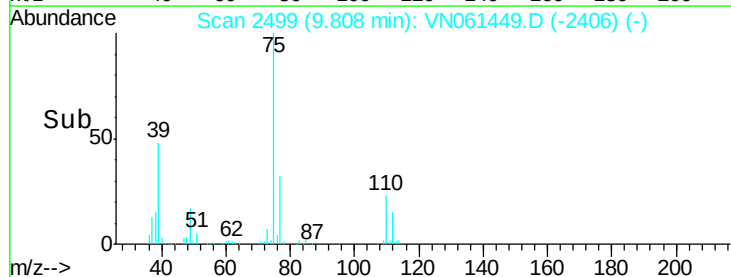
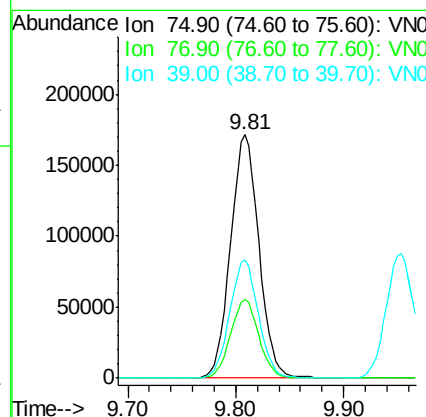
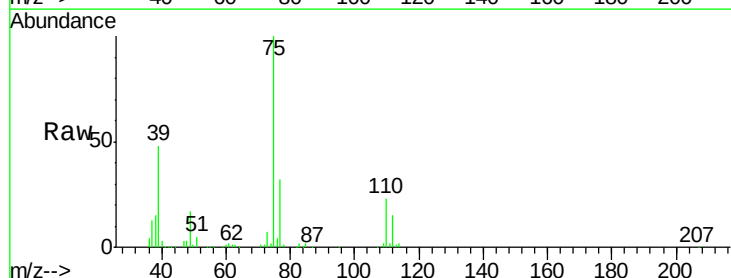
Manual Integrations
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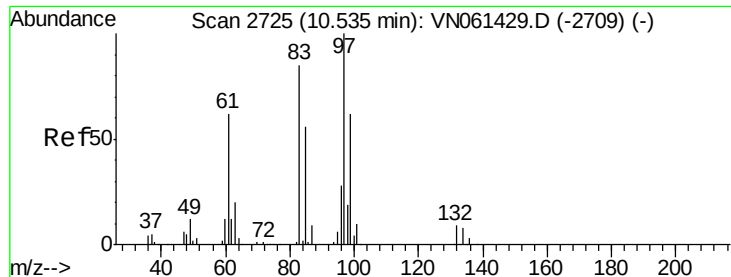
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.998 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	48.3	39.8	59.6





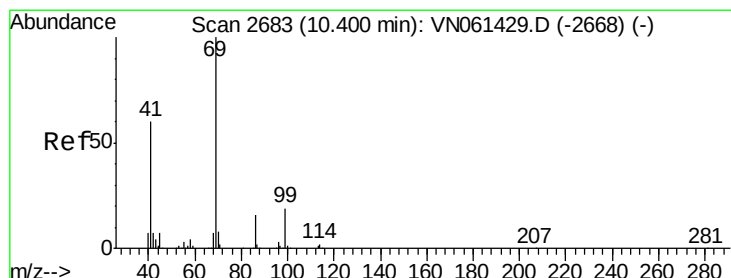
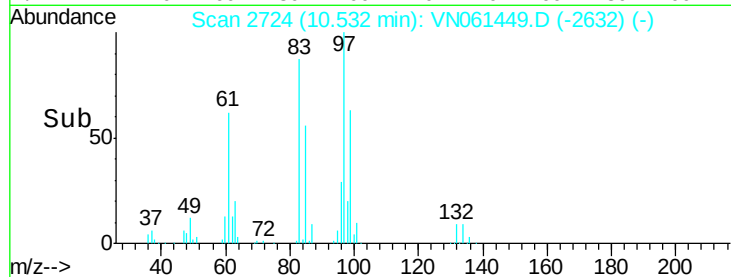
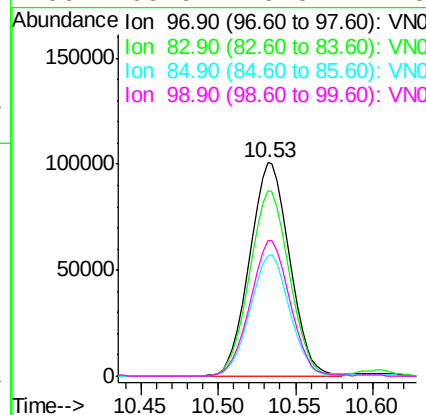
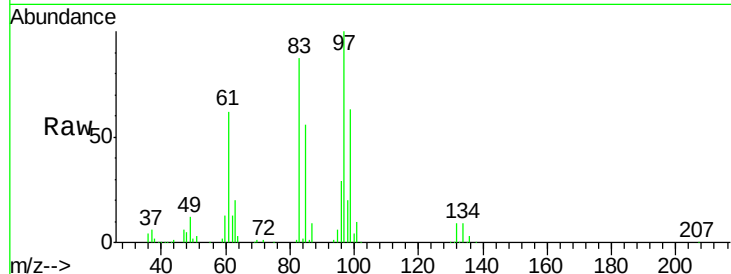
#55
 1,1,2-Trichloroethane
 Concen: 49.104 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	181457
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.2	102.4
85	56.4	44.6	67.0
99	63.5	49.5	74.3

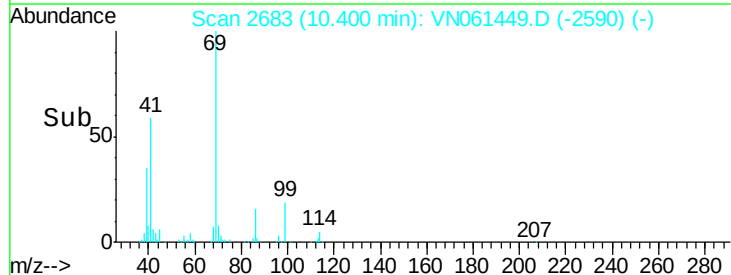
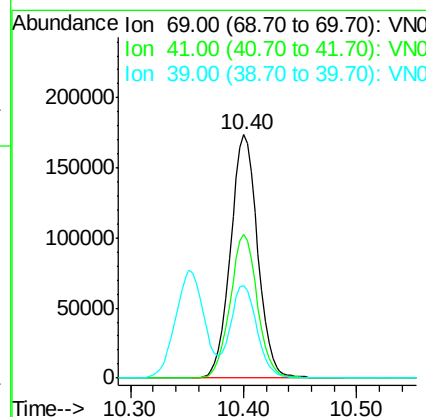
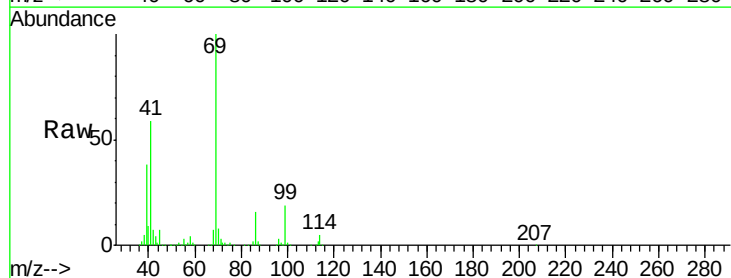
Manual Integrations
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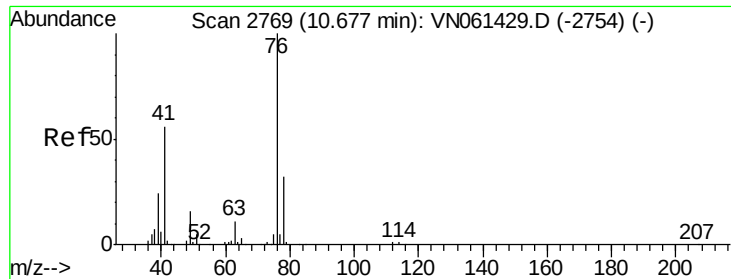
MMDadoda
 5/19/2020 4:24:48 PM



#56
 Ethyl methacrylate
 Concen: 50.196 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion:	69	Resp:	289991
Ion	Ratio	Lower	Upper
69	100		
41	58.6	48.3	72.5
39	36.8	30.2	45.2





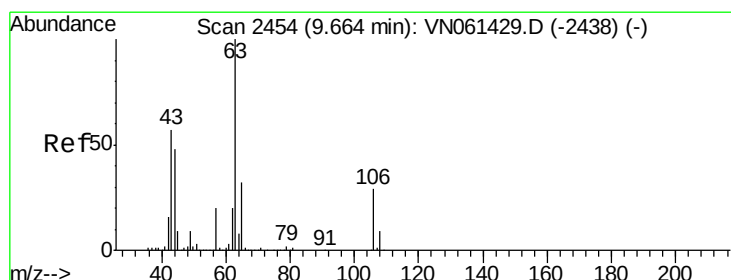
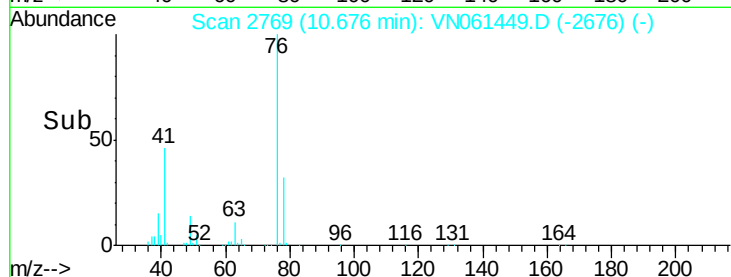
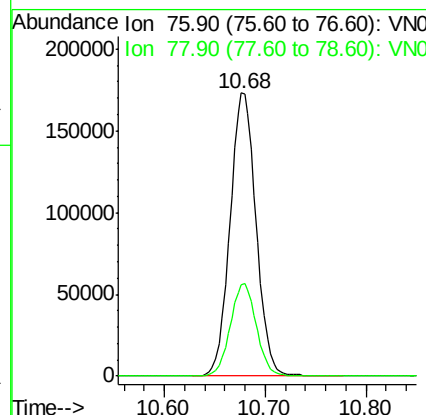
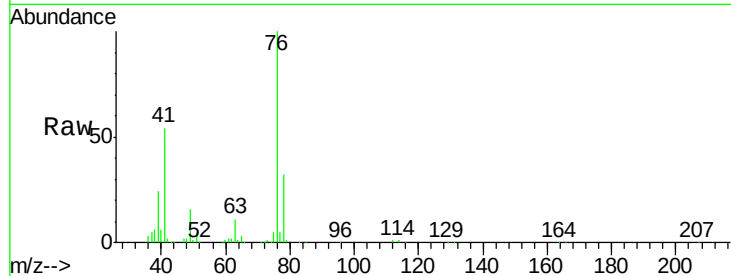
#57
 1,3-Dichloropropane
 Concen: 48.824 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0

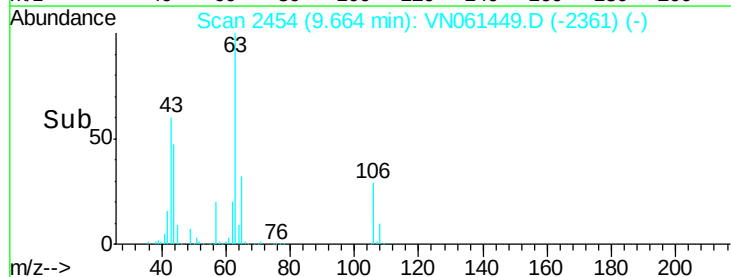
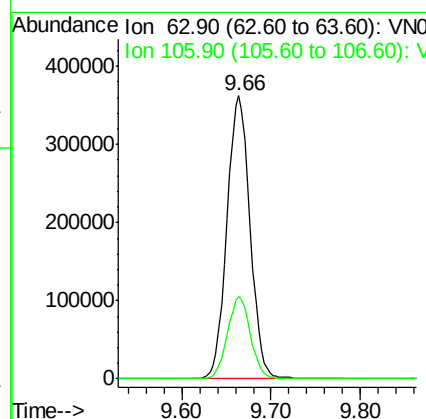
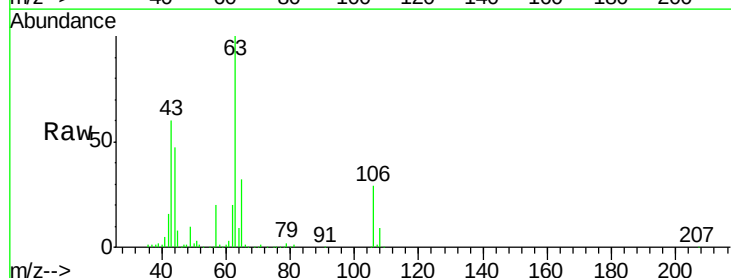
Manual Integrations
 APPROVED

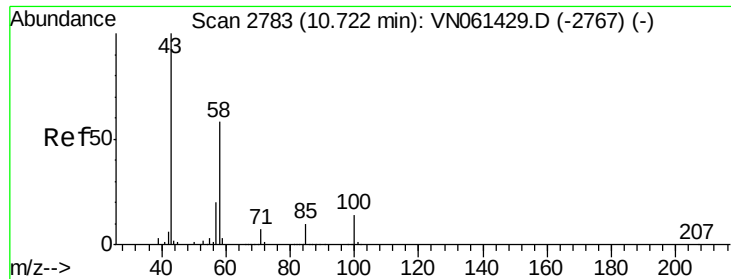
MMDadoda
 5/19/2020 4:24:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.028 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.7	34.1





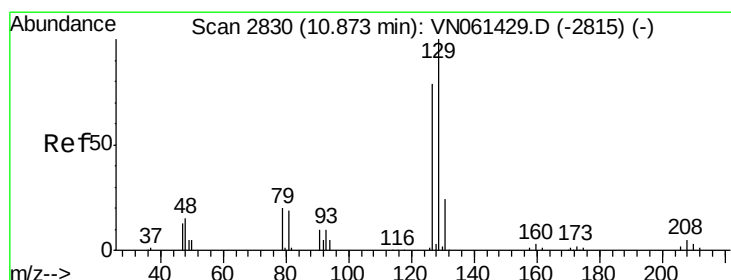
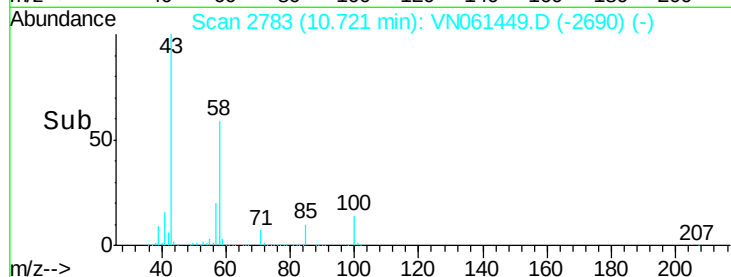
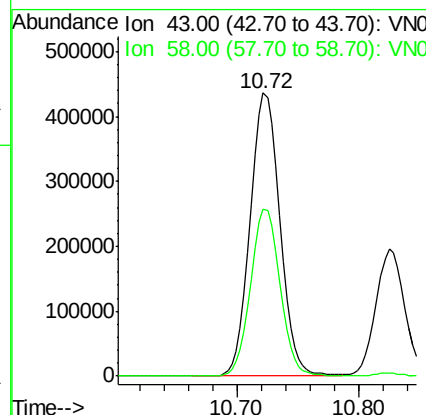
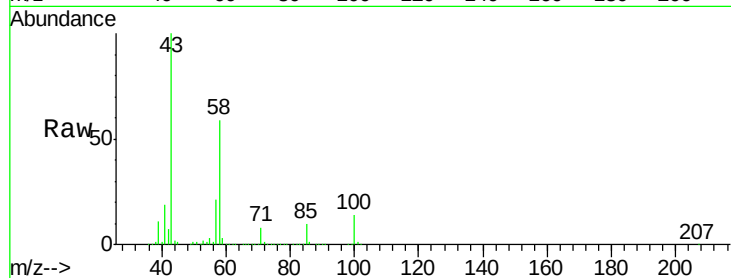
#59
2-Hexanone
Concen: 232.413 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	731948
Ion Ratio	100	Lower	Upper
43	100		
58	58.4	29.2	87.6

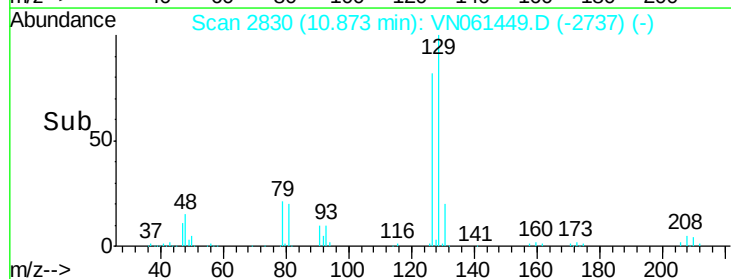
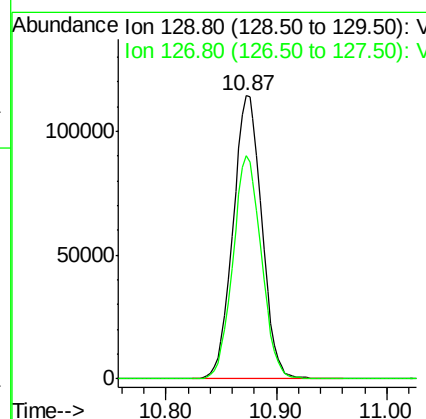
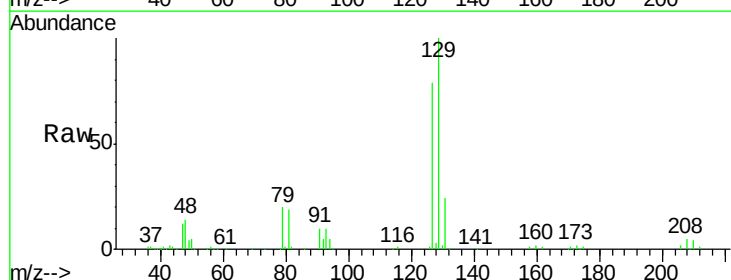
Manual Integrations
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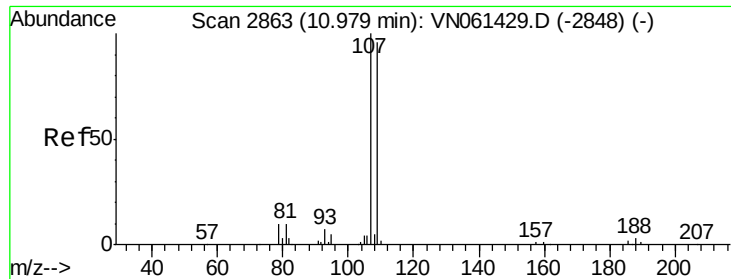
MMDadoda
5/19/2020 4:24:48 PM



#60
Dibromochloromethane
Concen: 50.709 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	129	Resp	207278
Ion Ratio	100	Lower	Upper
129	100		
127	77.8	38.8	116.3





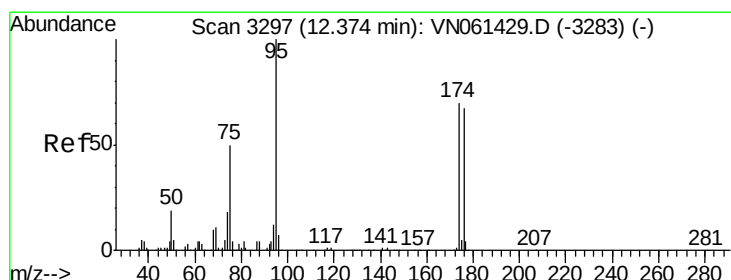
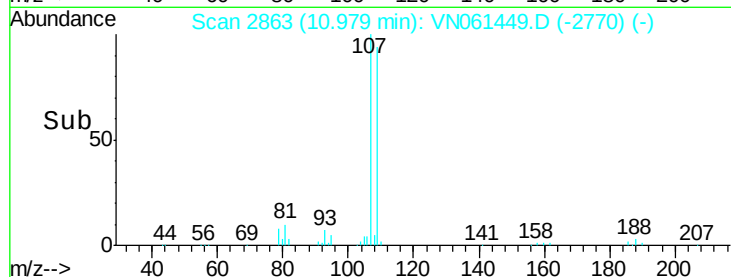
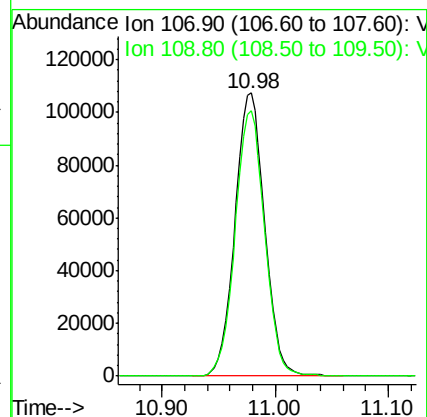
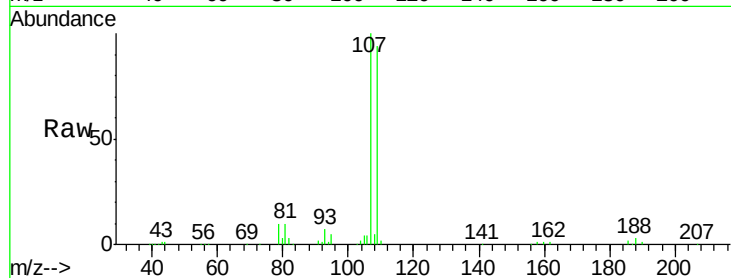
#61
 1,2-Dibromoethane
 Concen: 50.321 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.7	113.5

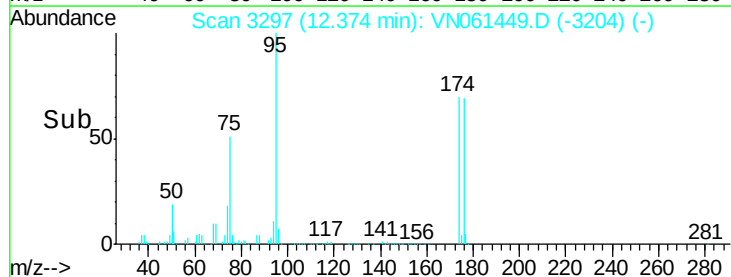
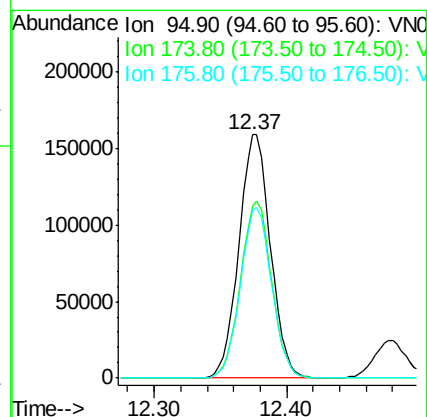
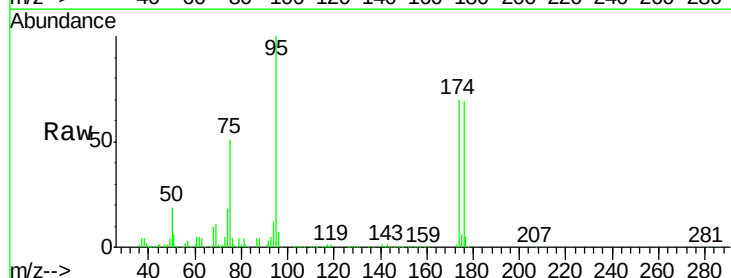
Manual Integrations
 APPROVED

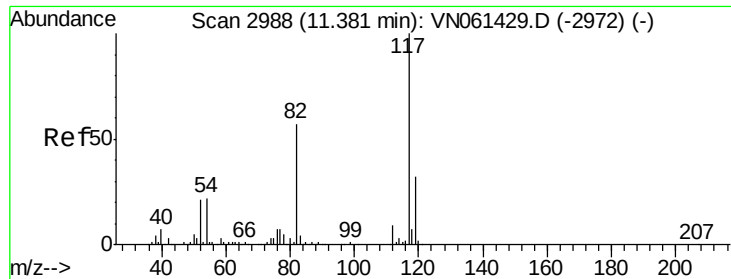
MMDadoda
 5/19/2020 4:24:48 PM



#62
 4-Bromofluorobenzene
 Concen: 53.599 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	141.2
176	69.4	0.0	137.6





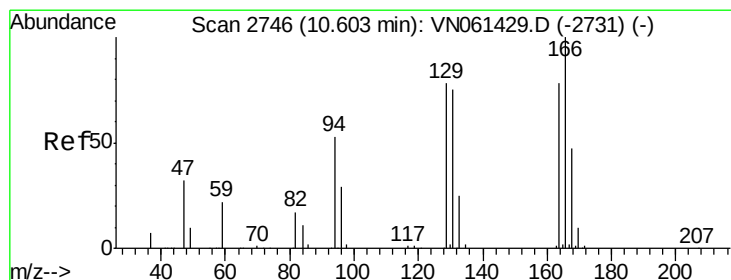
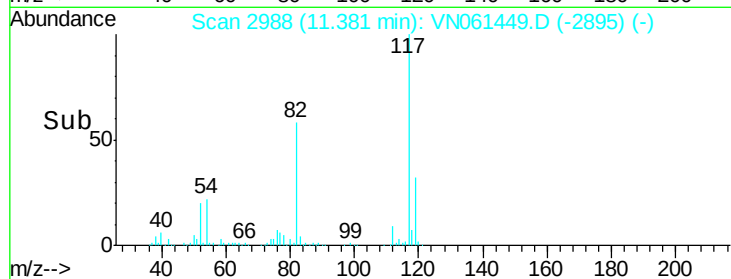
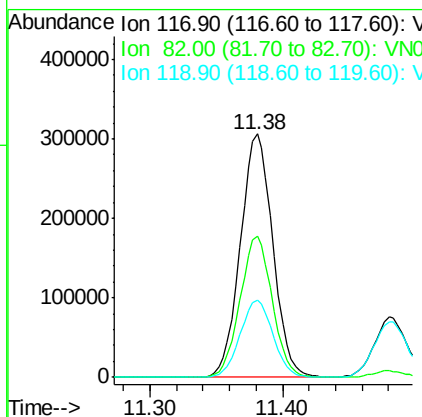
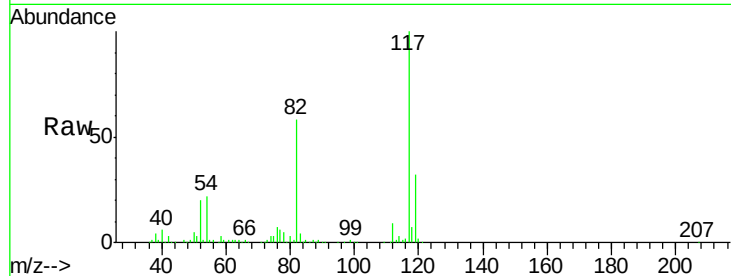
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	520152		
82	58.0		45.2	67.8
119	31.6		25.3	37.9

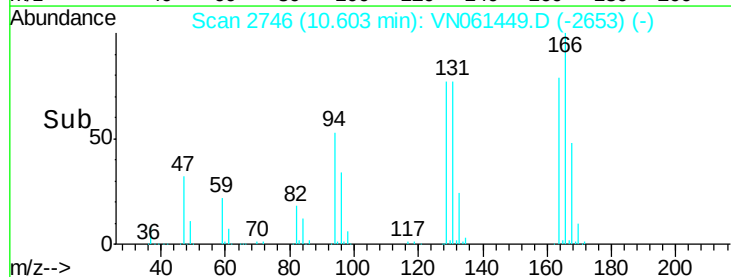
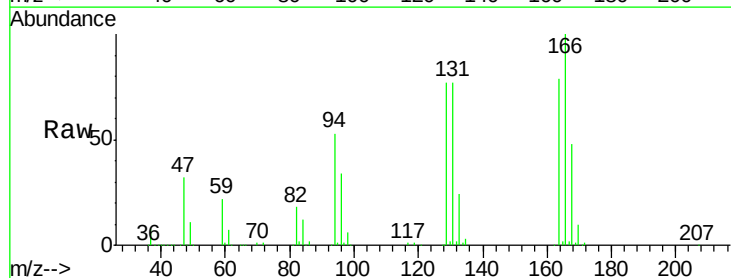
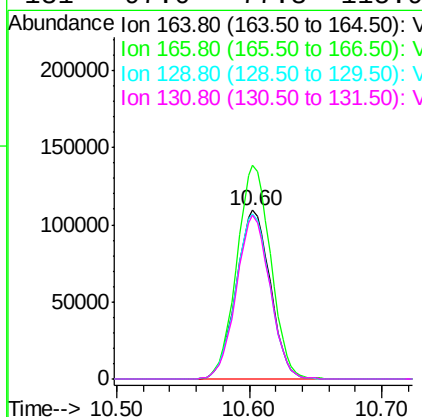
Manual Integrations
APPROVED

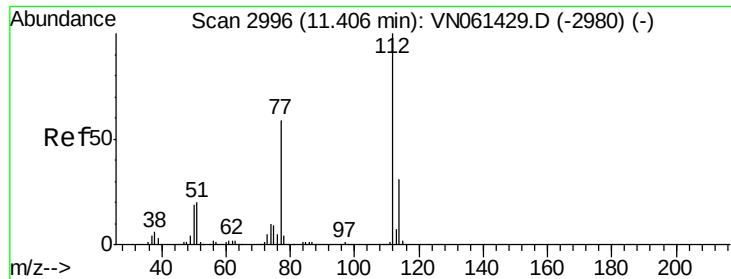
MMDadoda
5/19/2020 4:24:48 PM



#64
Tetrachloroethene
Concen: 48.348 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194557		
166	126.8		103.2	154.8
129	98.2		81.0	121.4
131	97.0		77.3	115.9





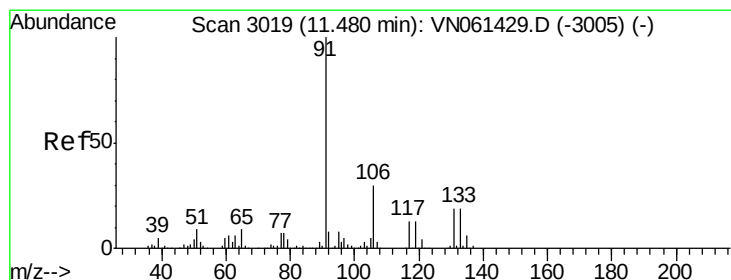
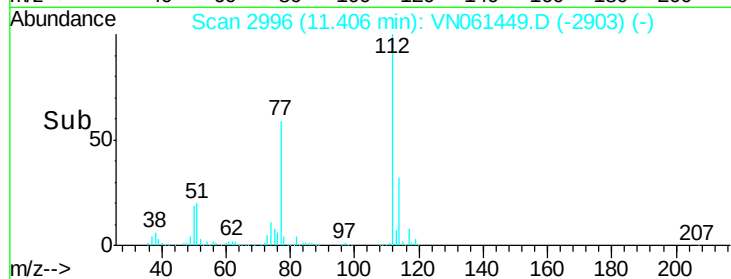
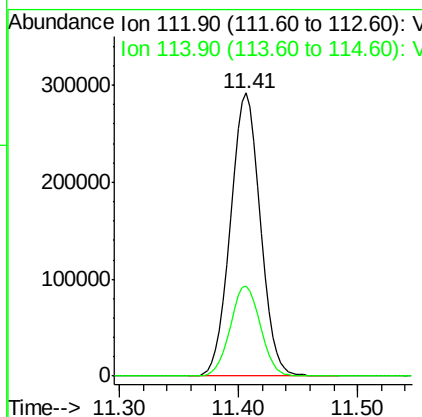
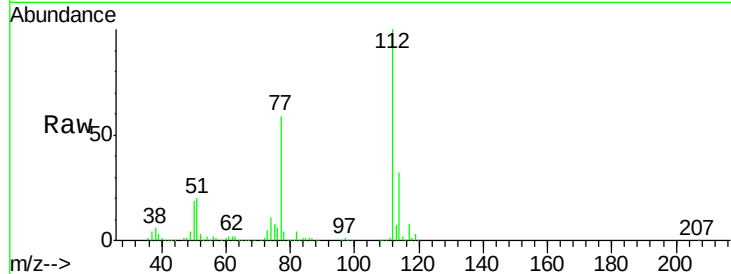
#65
Chlorobenzene
Concen: 47.845 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6

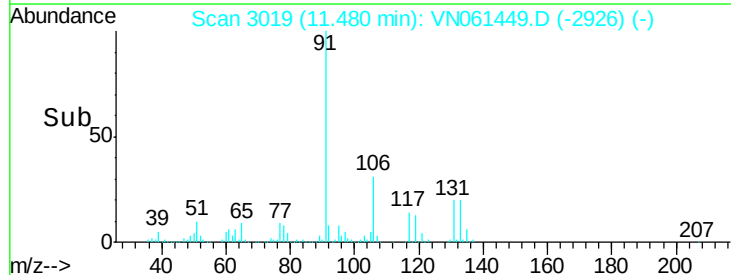
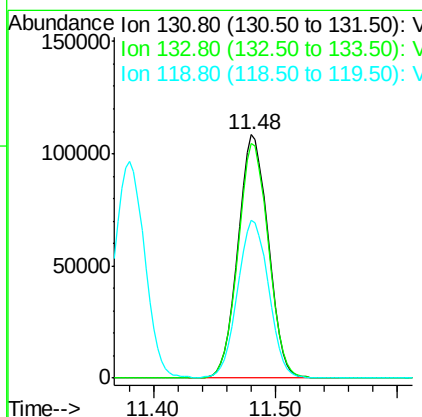
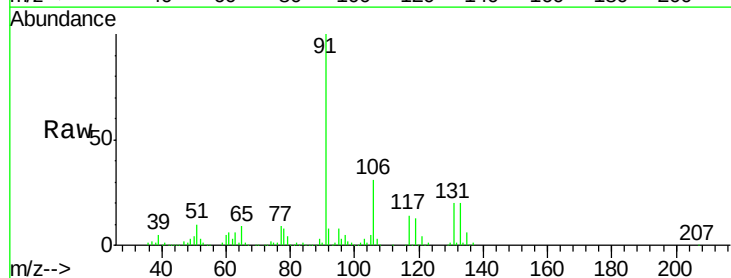
Manual Integrations
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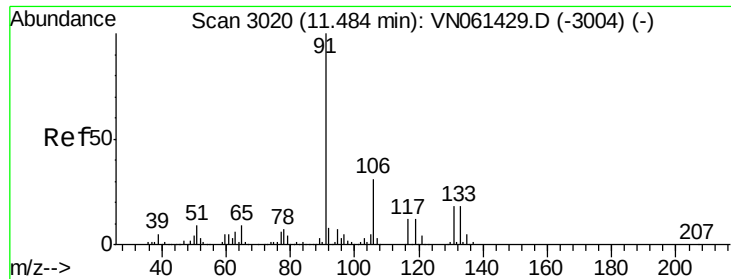
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.890 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.7	146.1
119	66.3	33.8	101.3





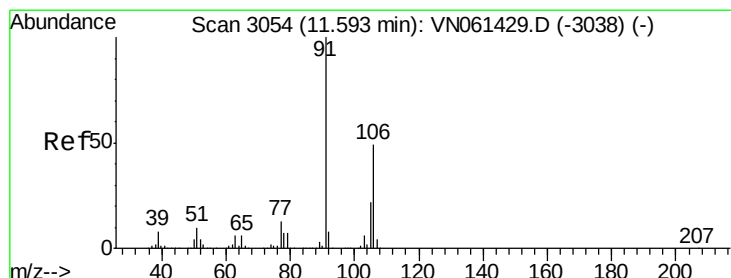
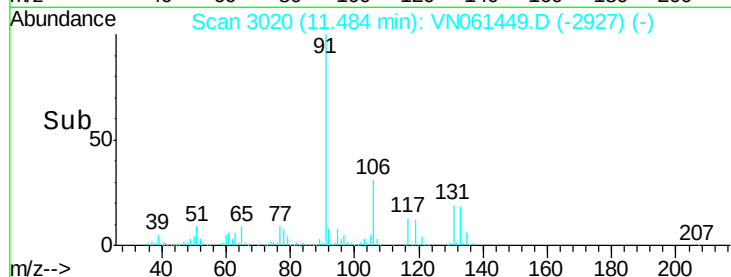
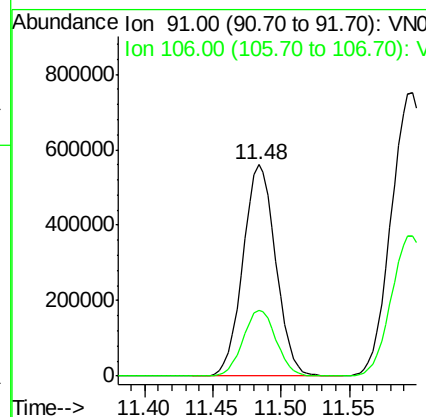
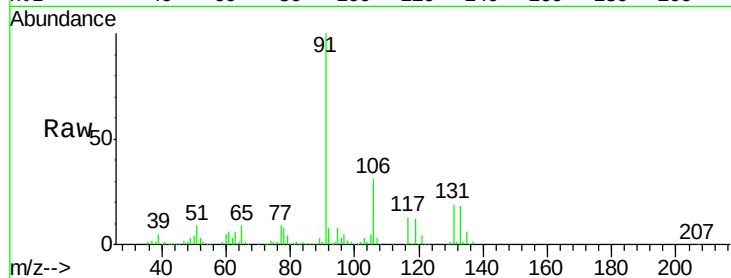
#67
Ethyl Benzene
Concen: 48.221 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 933653
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

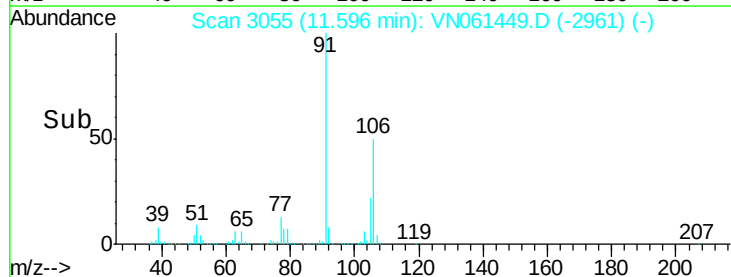
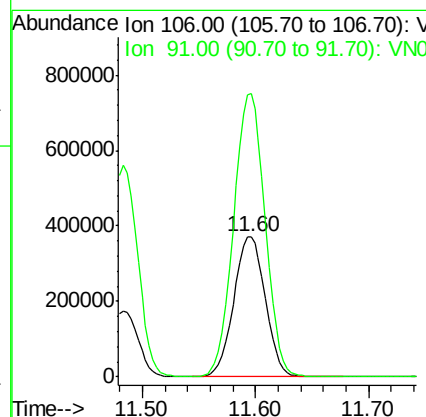
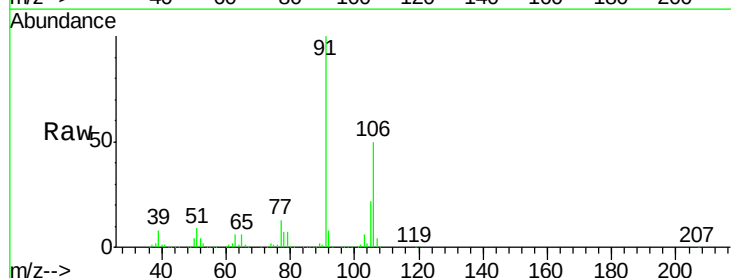
Manual Integrations
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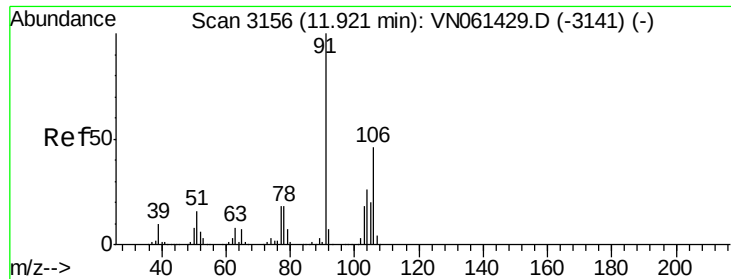
MMDadoda
5/19/2020 4:24:48 PM



#68
m/p-Xylenes
Concen: 97.579 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 106 Resp: 717138
Ion Ratio Lower Upper
106 100
91 202.0 163.0 244.6





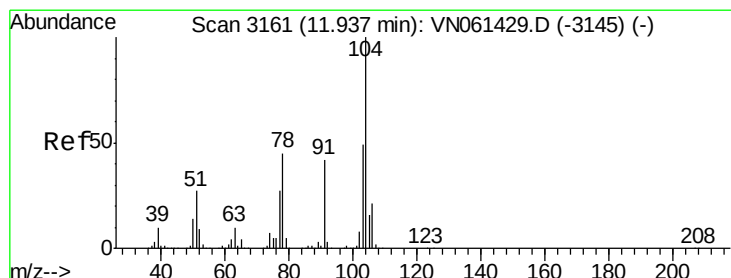
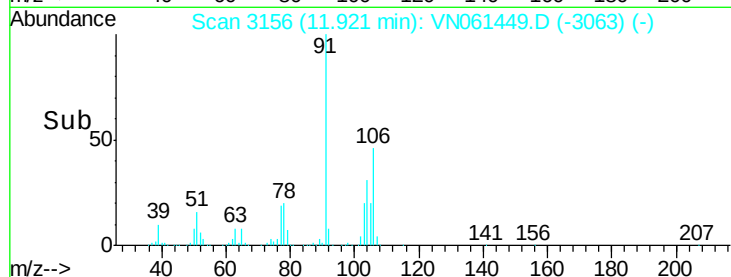
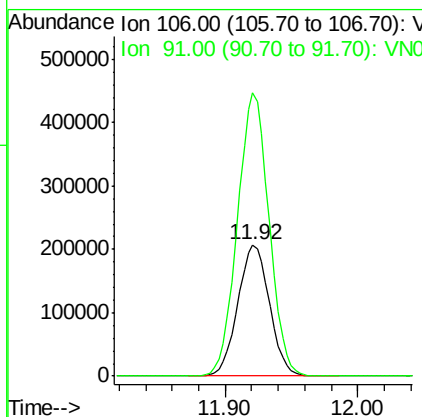
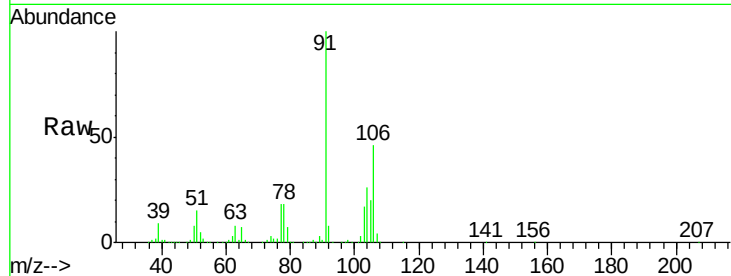
#69
o-Xylene
Concen: 48.303 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.8	107.9	323.7	

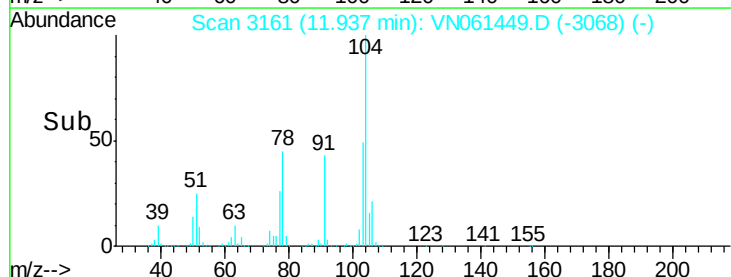
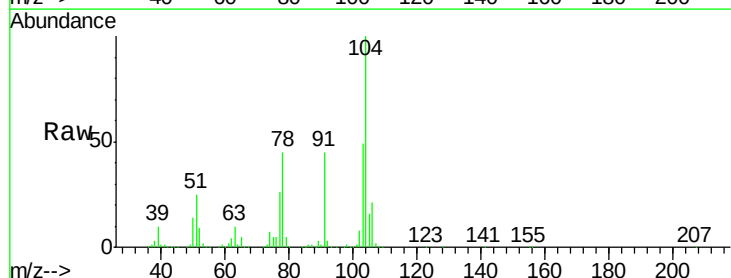
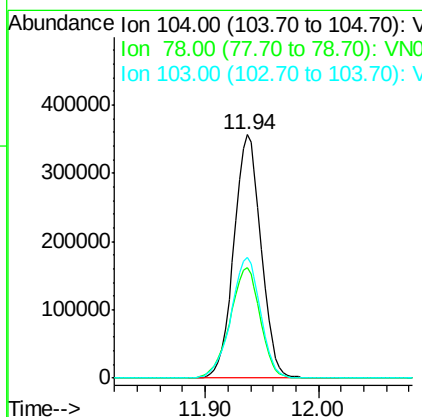
Manual Integrations
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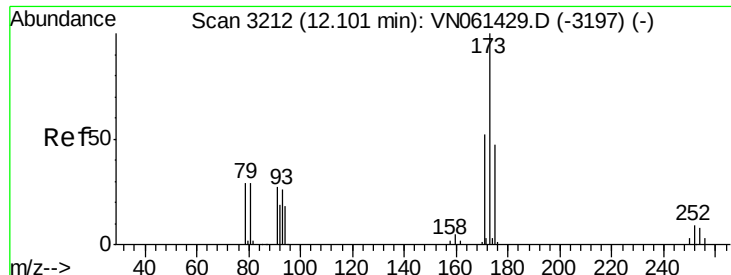
MMDadoda
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#70
Styrene
Concen: 50.702 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.1	40.7	61.1	
103	53.7	43.0	64.4	





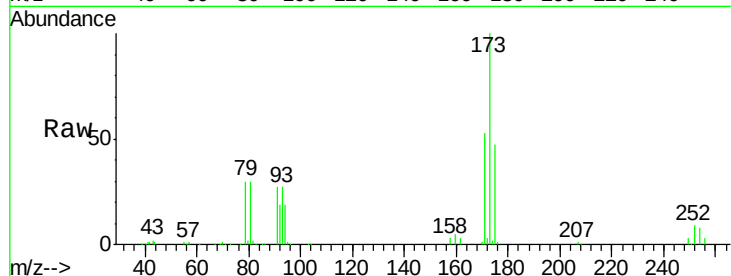
#71
Bromoform
Concen: 45.137 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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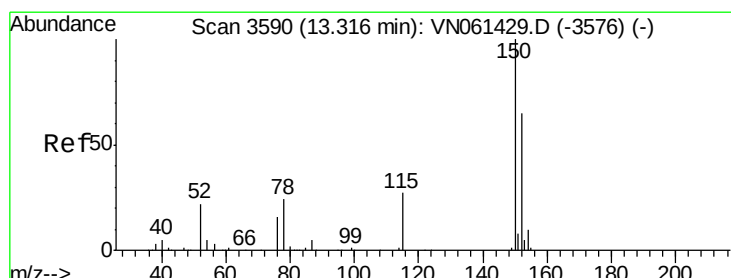
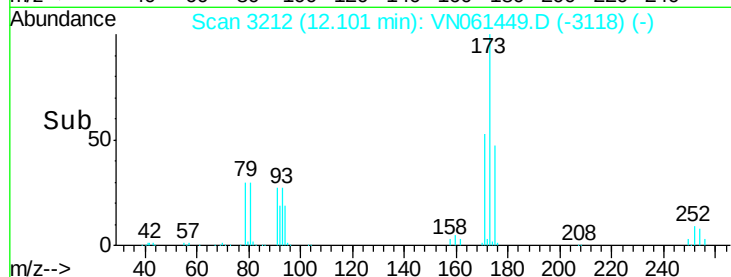
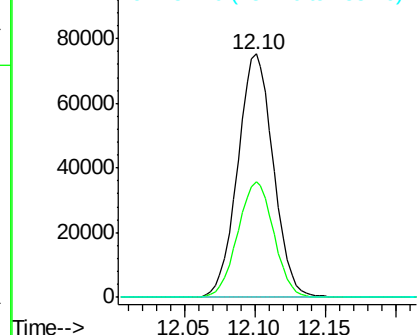


Abundance

Ion 172.70 (172.40 to 173.40): V

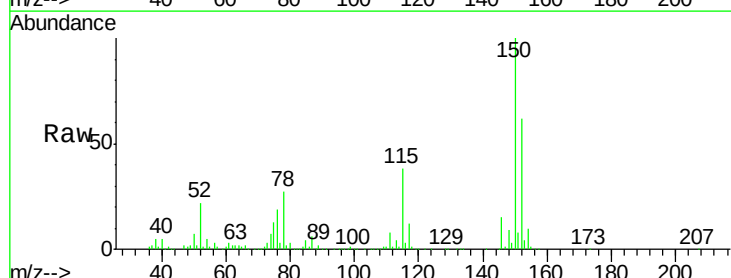
Ion 174.70 (174.40 to 175.40): V

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: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.9	92.5
150	175.4	0.0	349.2

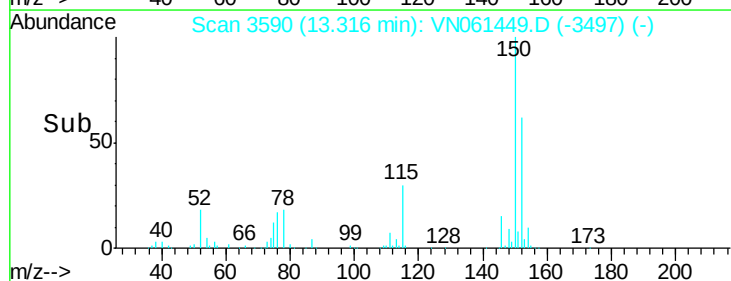
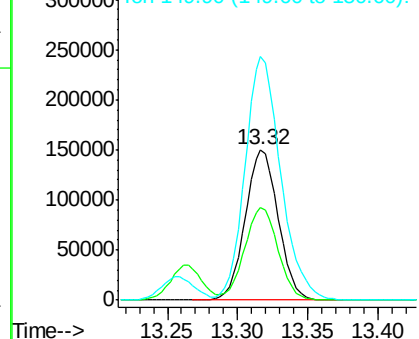


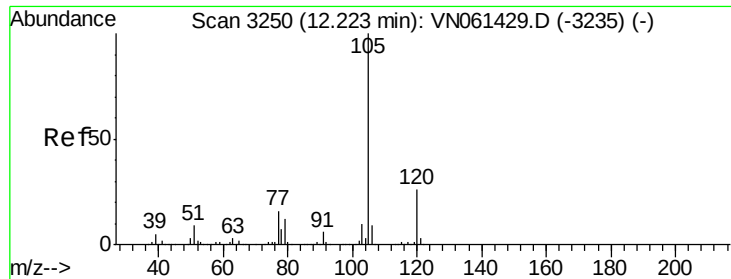
Abundance

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: 45.122 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 888967

Ion Ratio Lower Upper

105 100

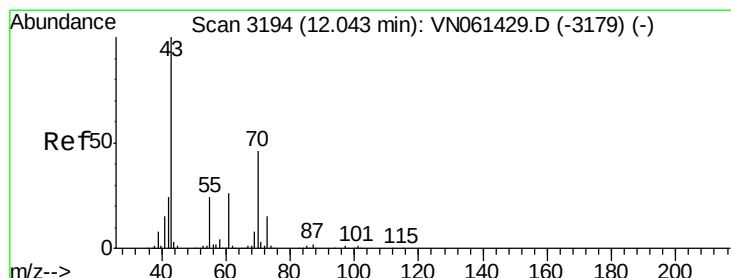
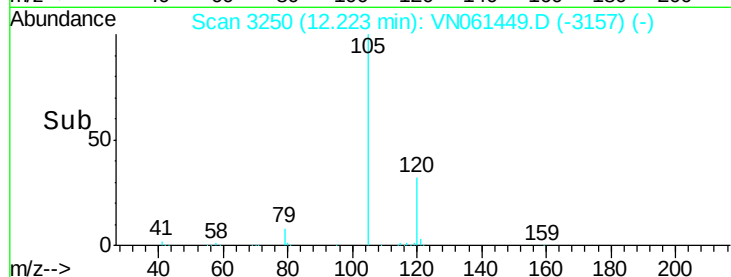
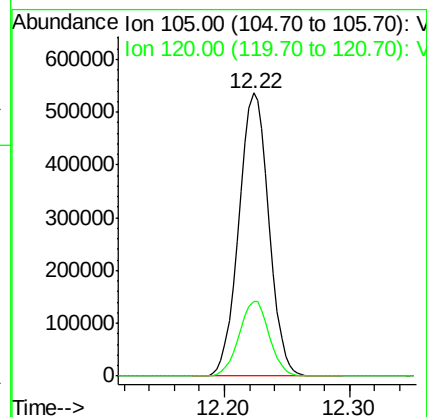
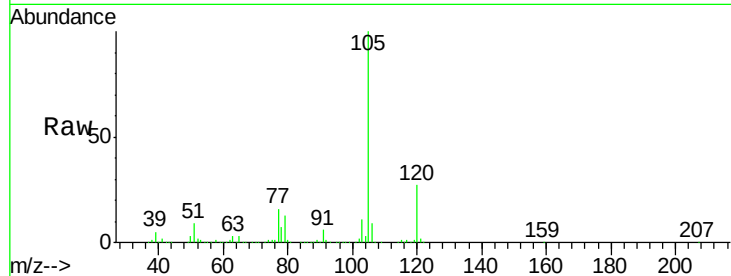
120 26.5 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.526 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Tgt Ion: 43 Resp: 335518

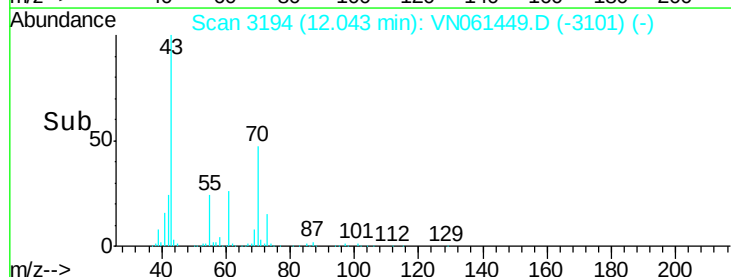
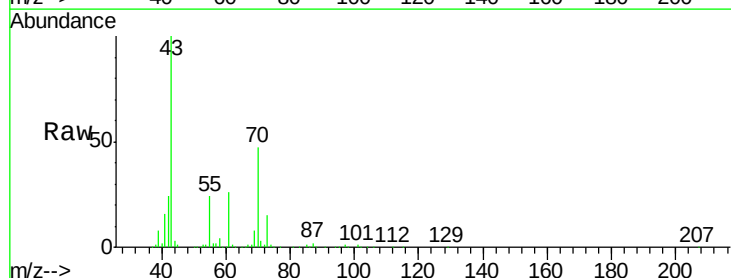
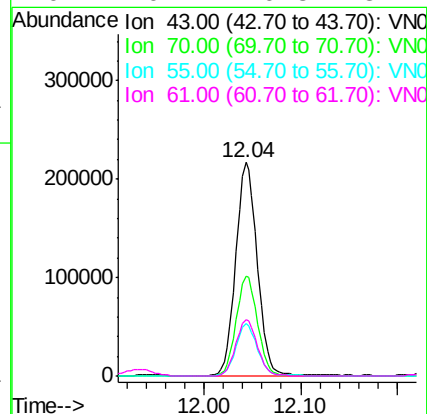
Ion Ratio Lower Upper

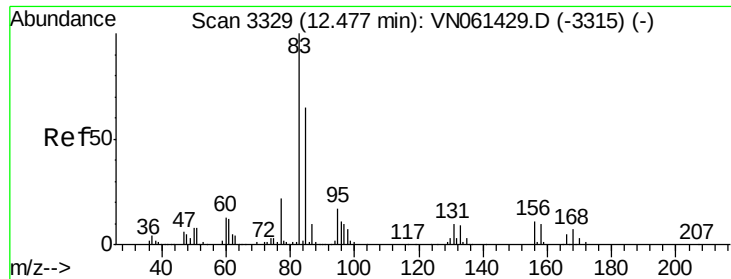
43 100

70 46.9 37.0 55.4

55 24.2 19.5 29.3

61 26.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.971 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 249183

Ion Ratio Lower Upper

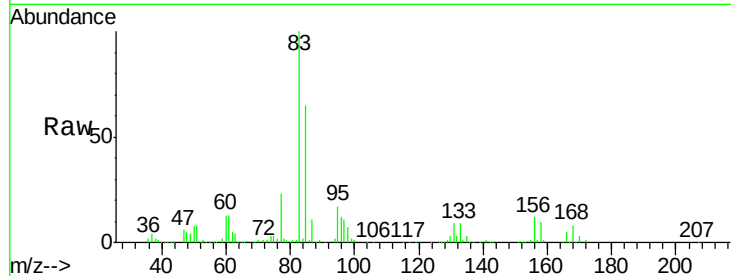
83 100

131 9.9 4.8 14.4

85 64.5 32.1 96.5

Manual Integrations
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5/19/2020 4:24:48 PM



Abundance Ion 82.90 (82.60 to 83.60): VN061449.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN061449.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN061449.D (-3236) (-)

12.48

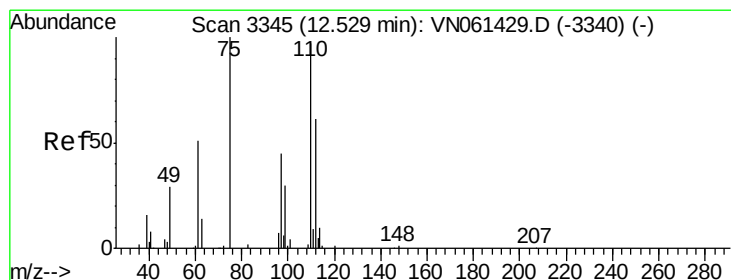
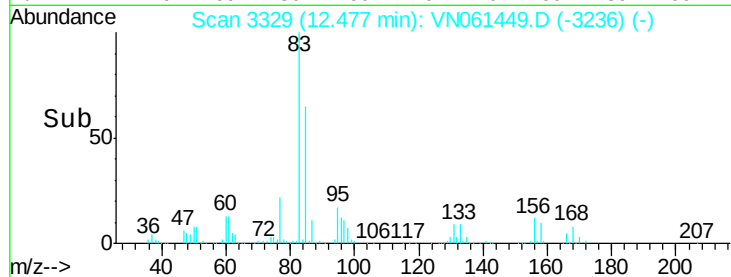
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 45.255 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061449.D

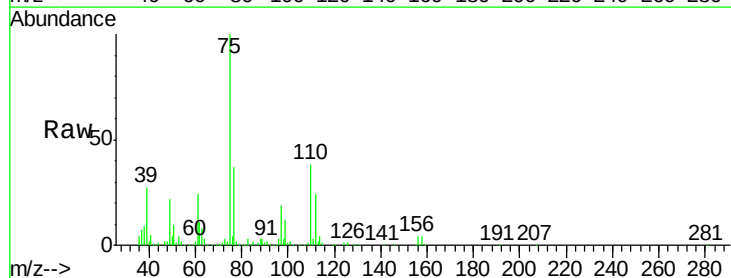
Acq: 18 May 2020 20:57

Tgt Ion: 75 Resp: 238309

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061449.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061449.D (-3252) (-)

12.53

250000

200000

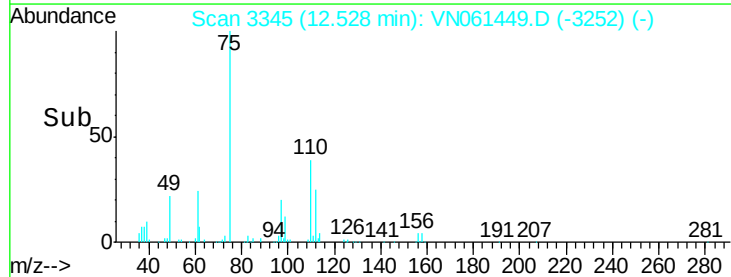
150000

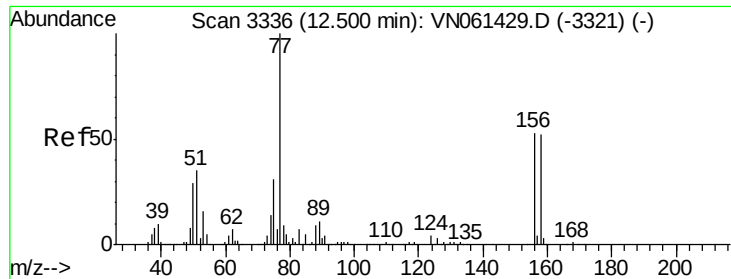
100000

50000

0

Time-->





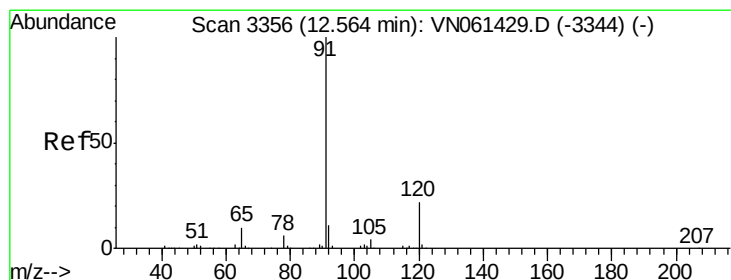
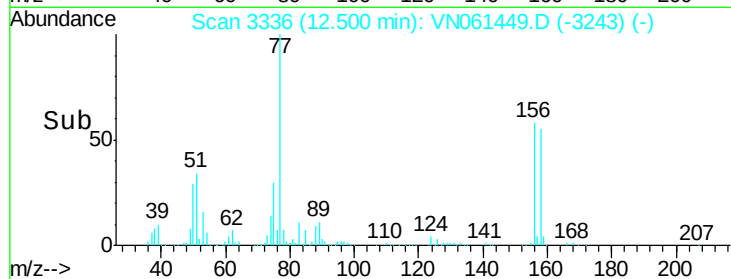
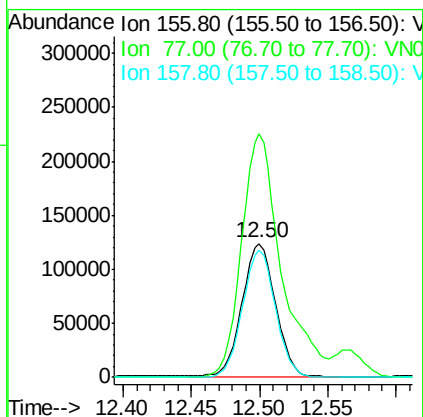
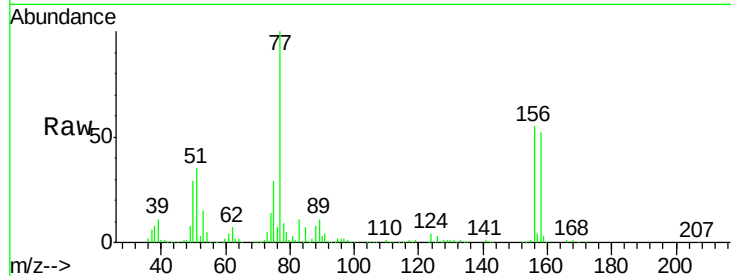
#77
Bromobenzene
Concen: 49.141 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.5	112.3	336.9
158	94.0	47.9	143.6

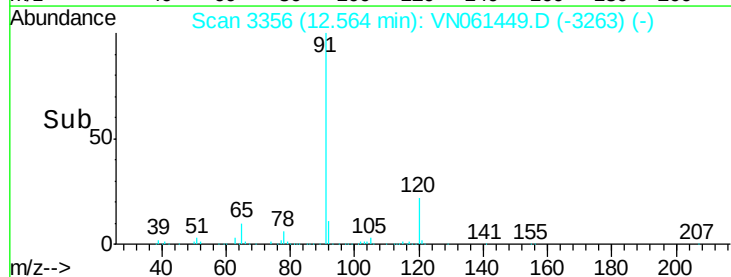
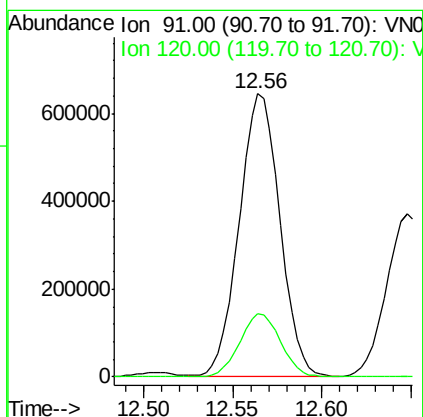
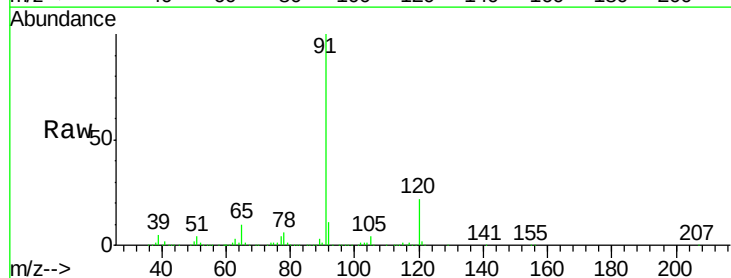
Manual Integrations
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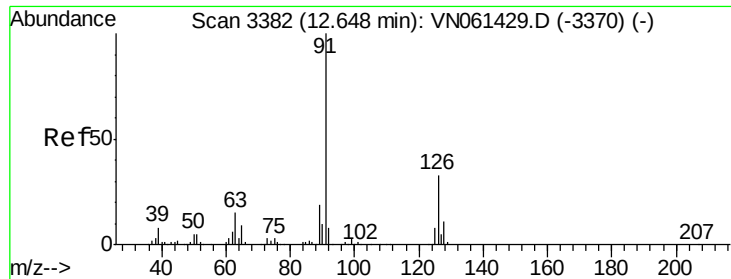
MMDadoda
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#78
n-propylbenzene
Concen: 45.316 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.6





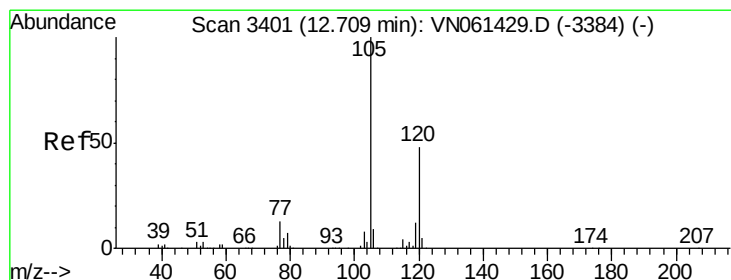
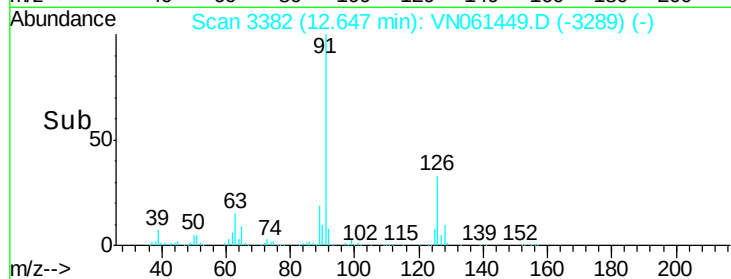
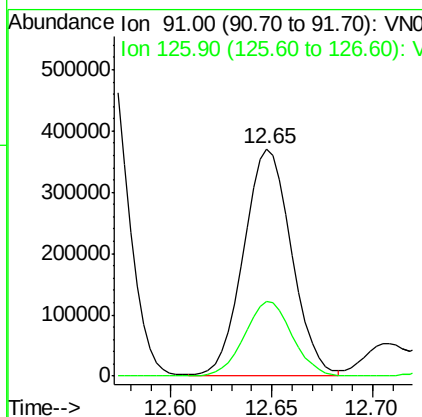
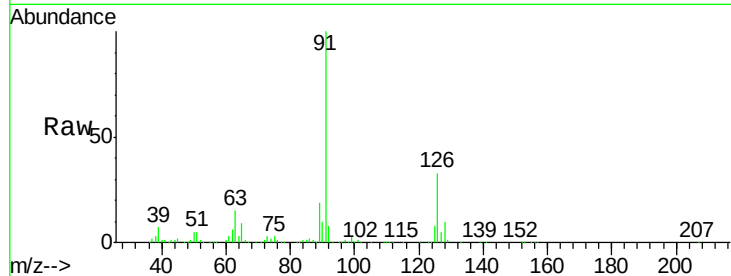
#79
2-Chlorotoluene
Concen: 46.156 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.3	48.9

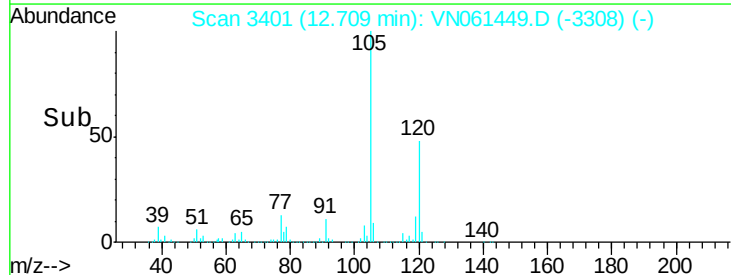
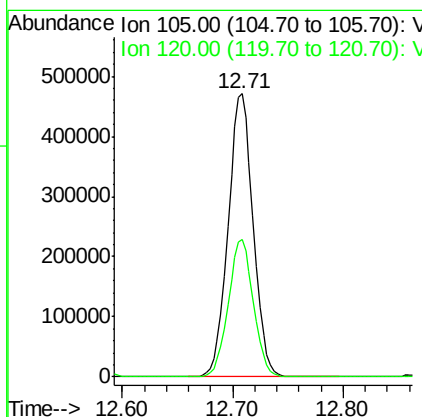
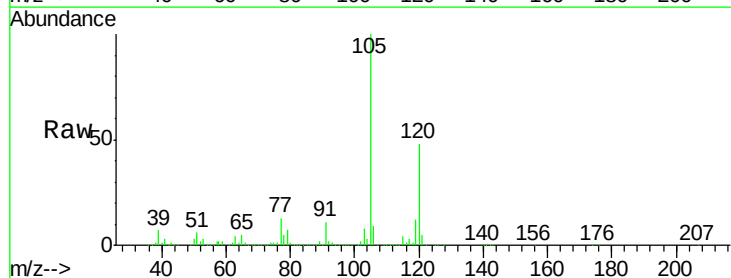
Manual Integrations
APPROVED

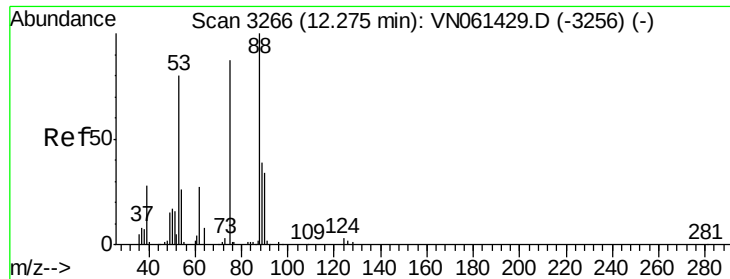
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 45.693 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 44.502 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 88340

Ion Ratio Lower Upper

75 100

53 95.0 75.2 112.8

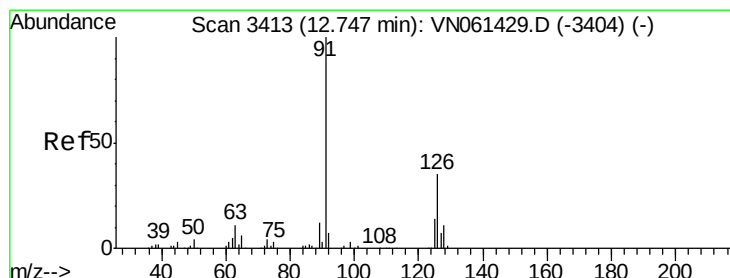
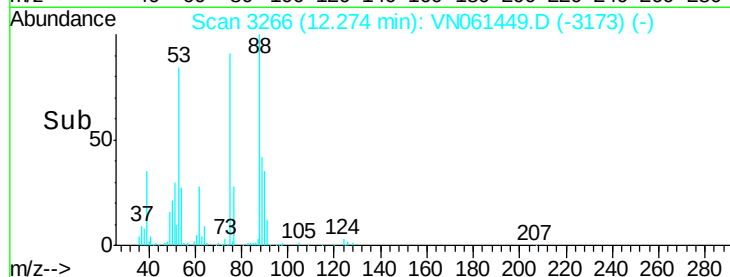
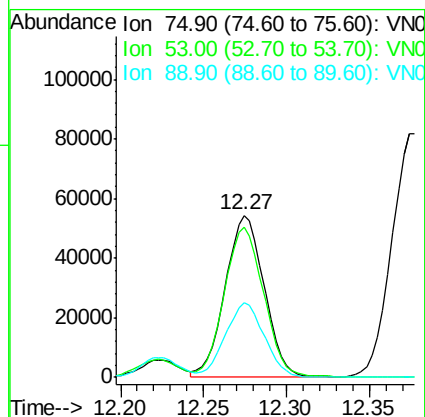
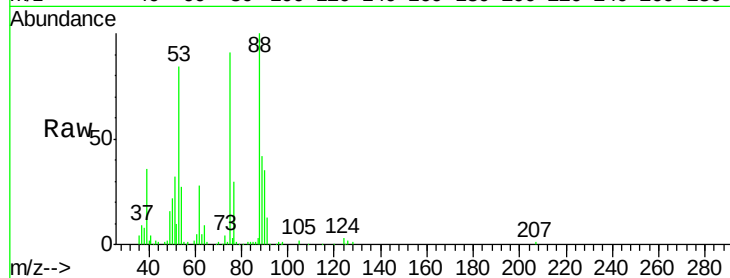
89 46.4 38.2 57.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 47.028 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061449.D

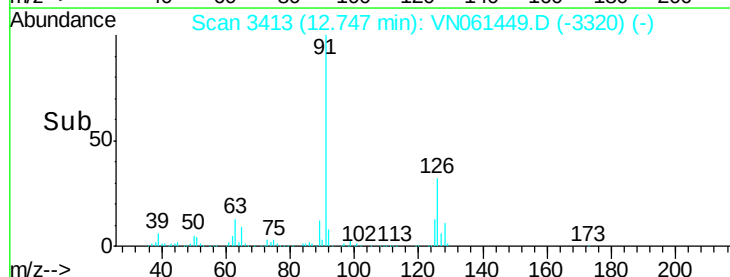
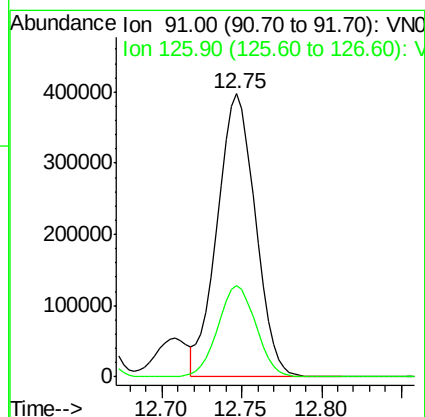
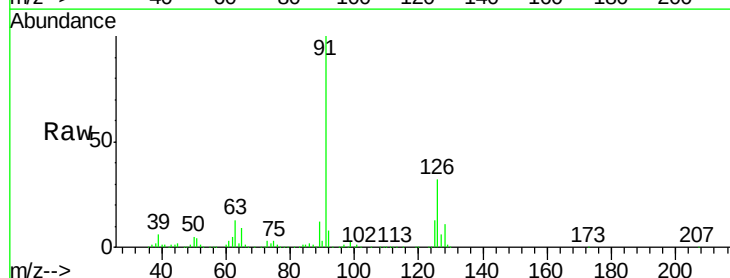
Acq: 18 May 2020 20:57

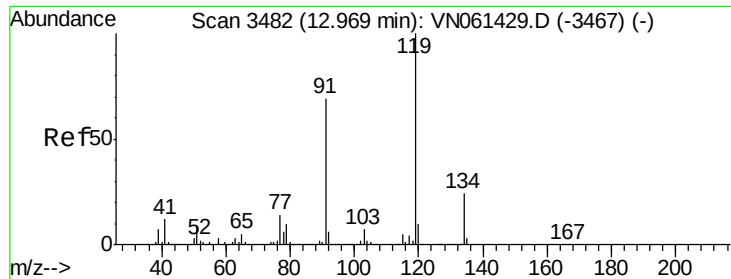
Tgt Ion: 91 Resp: 646103

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2





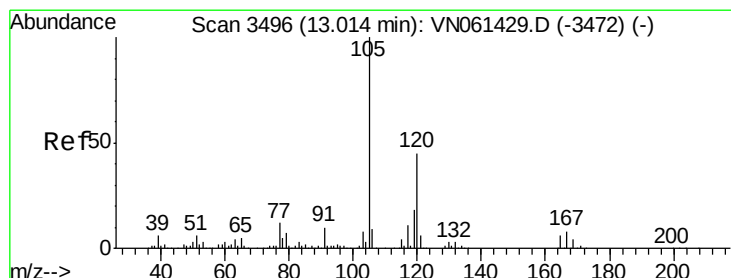
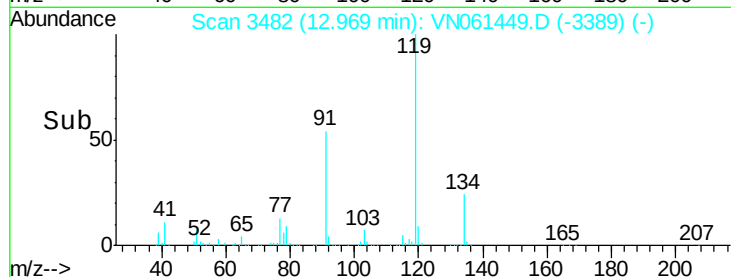
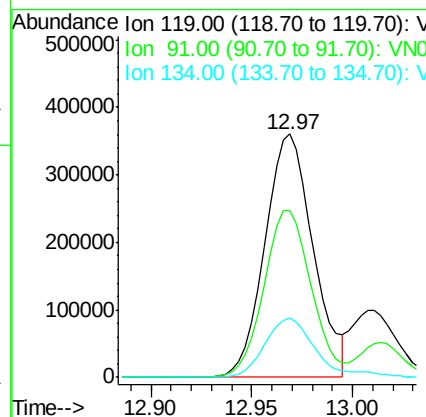
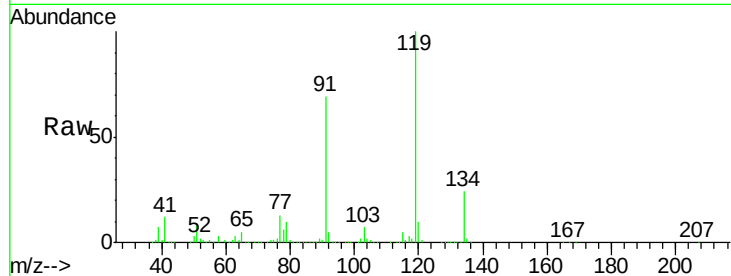
#83
 tert-Butylbenzene
 Concen: 43.391 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	599571		
91	66.9		33.7	101.0
134	25.6		12.8	38.3

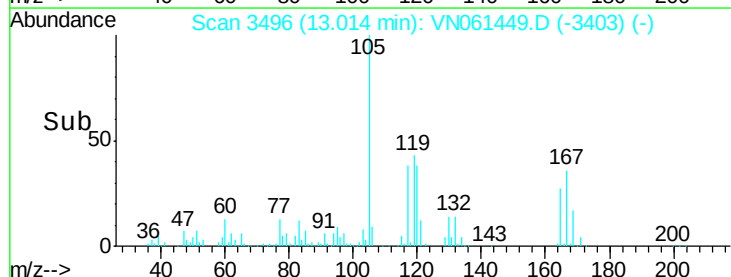
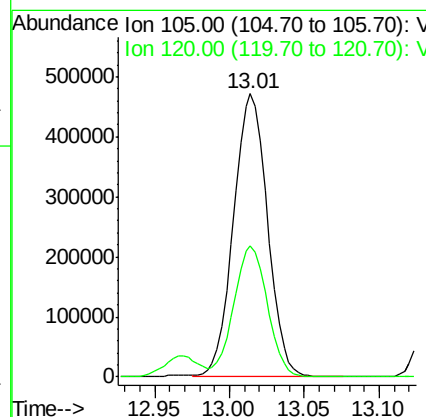
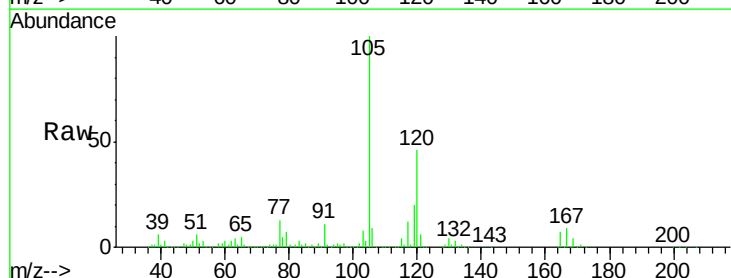
Manual Integrations
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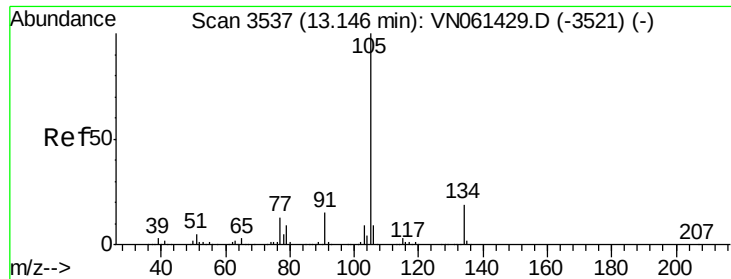
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.056 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	743527		
120	45.9		22.4	67.3





#85

sec-Butylbenzene

Concen: 41.462 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 774693

Ion Ratio Lower Upper

105 100

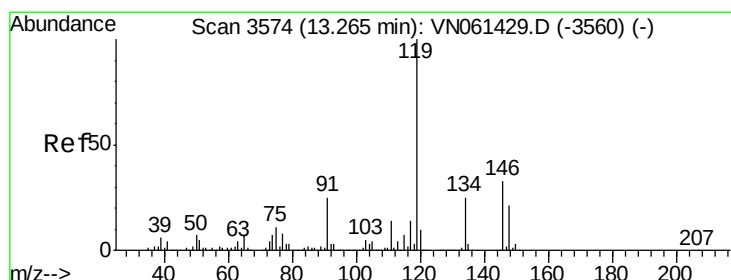
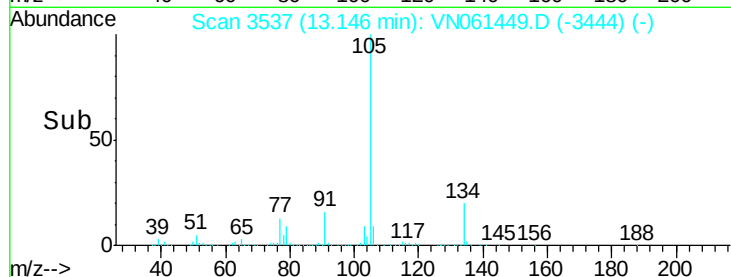
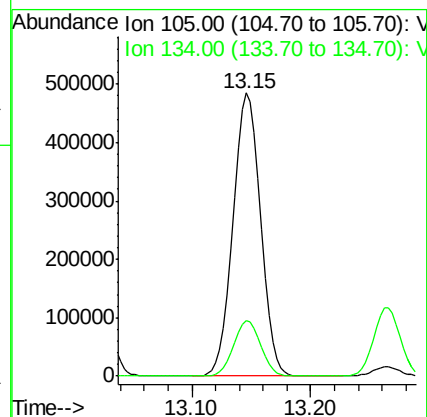
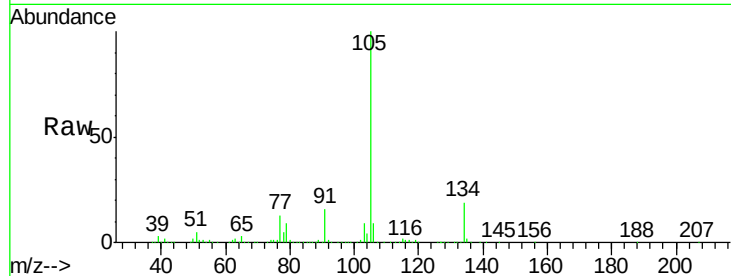
134 19.5 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 42.327 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

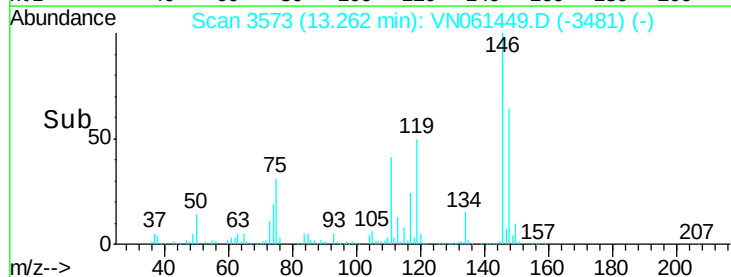
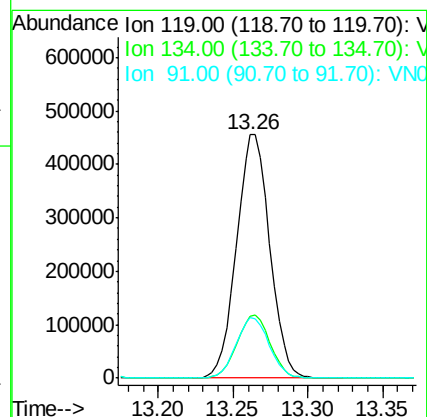
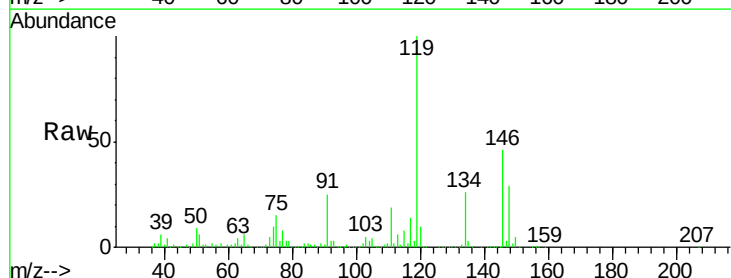
Tgt Ion:119 Resp: 702275

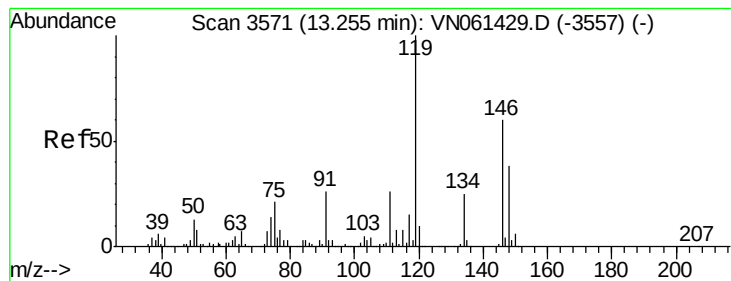
Ion Ratio Lower Upper

119 100

134 26.0 12.7 38.1

91 24.7 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 47.956 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

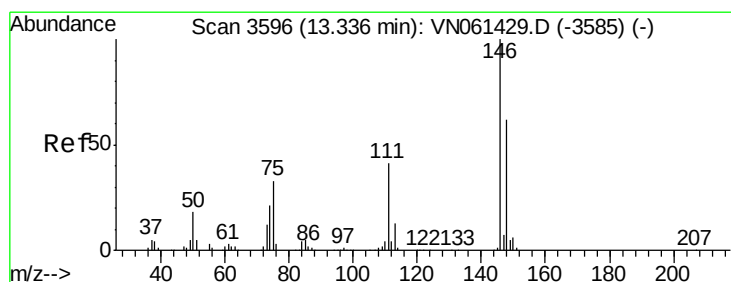
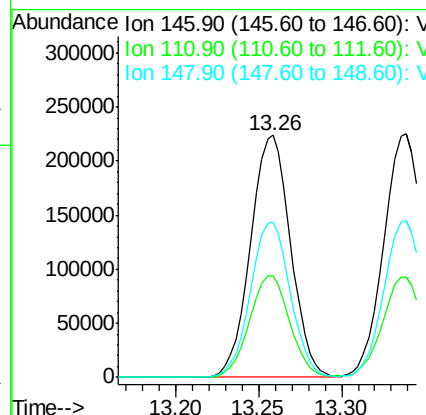
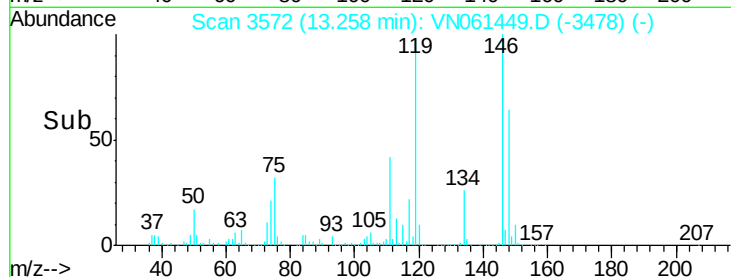
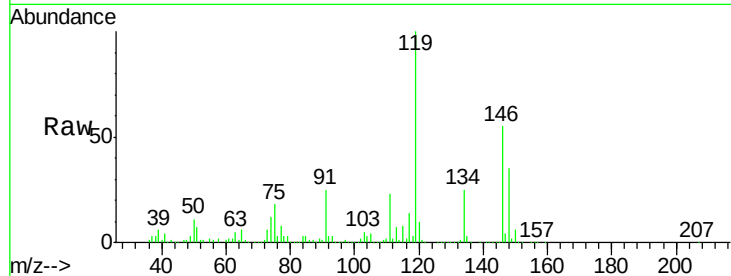
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	375254
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.5	64.5
148	63.9	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 48.088 ug/l

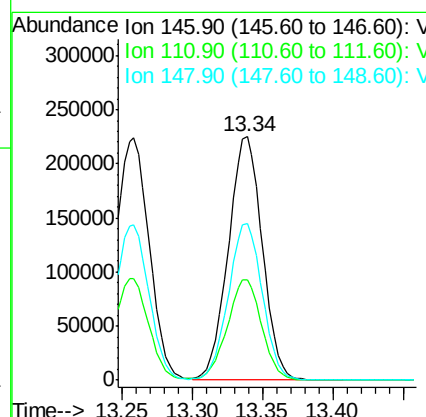
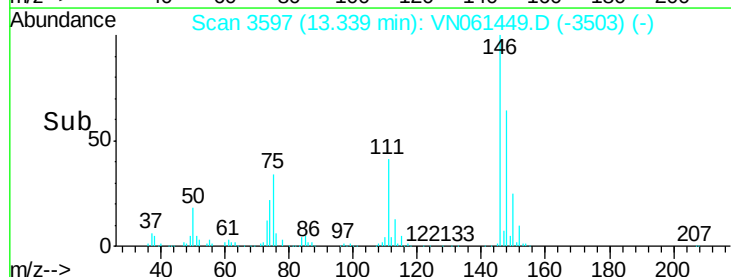
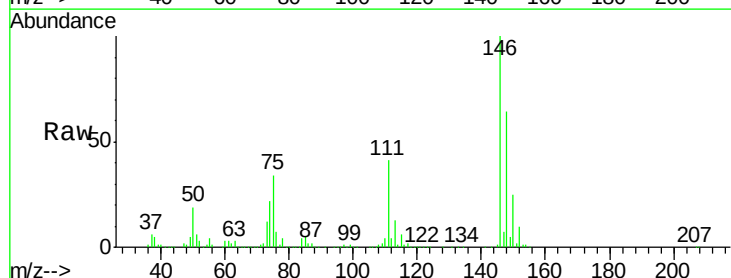
RT: 13.34 min Scan# 3597

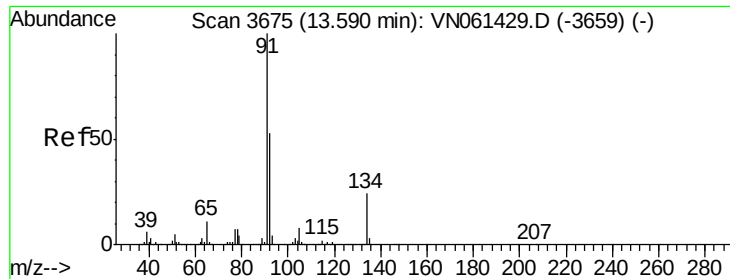
Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Tgt Ion:	146	Resp:	376850
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.8	62.5
148	64.5	31.6	94.8





#89

n-Butylbenzene

Concen: 39.898 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

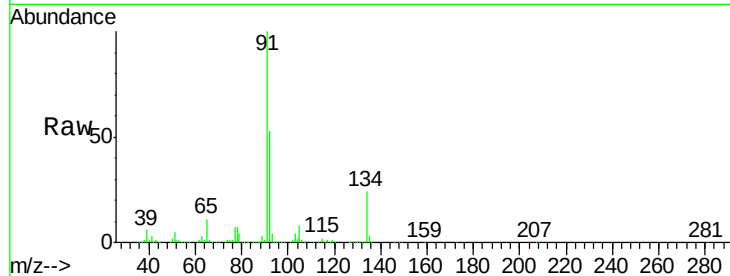
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	601398
Ion Ratio	Lower	Upper	
91	100		
92	53.9	26.8	80.3
134	25.0	12.4	37.4

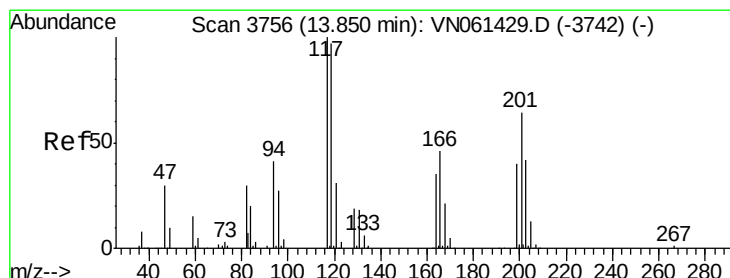
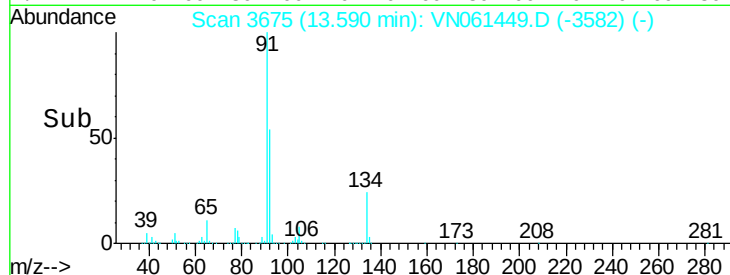
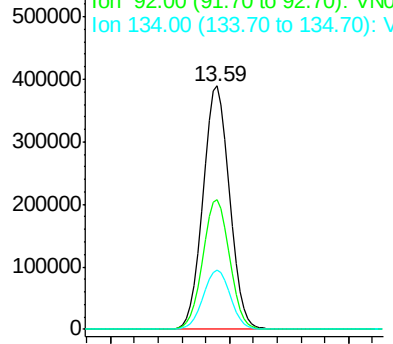
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Abundance

Ion 91.00 (90.70 to 91.70): VN061449.D (-3582) (-)



#90

Hexachloroethane

Concen: 40.485 ug/l

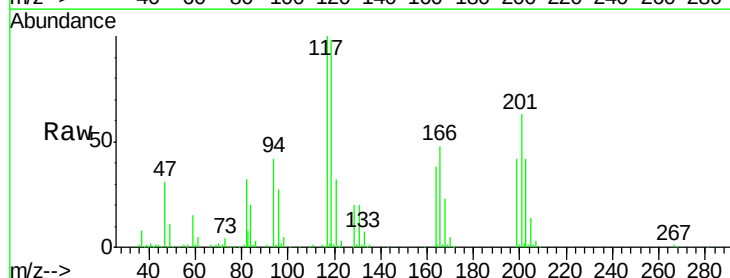
RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061449.D

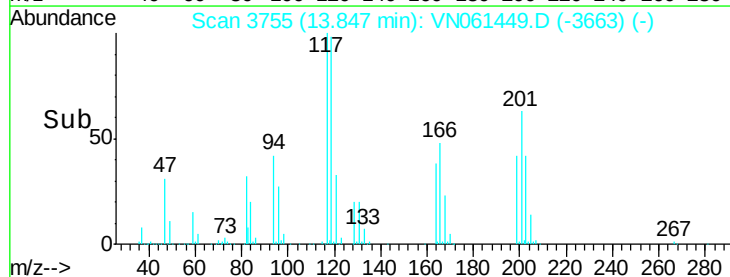
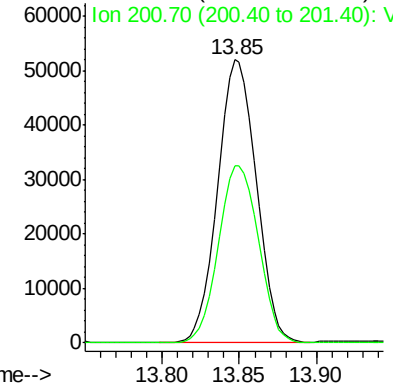
Acq: 18 May 2020 20:57

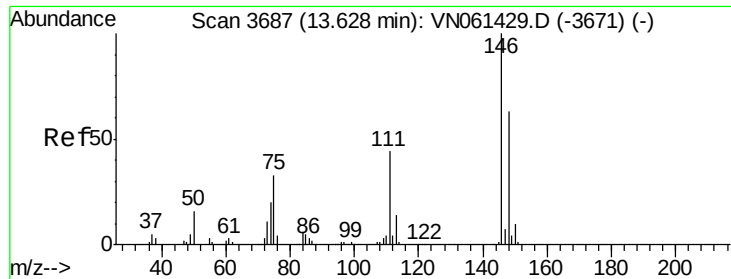
Tgt Ion:	117	Resp:	91034
Ion Ratio	Lower	Upper	
117	100		
201	64.6	32.9	98.7



Abundance

Ion 116.80 (116.50 to 117.50): VN061449.D (-3663) (-)





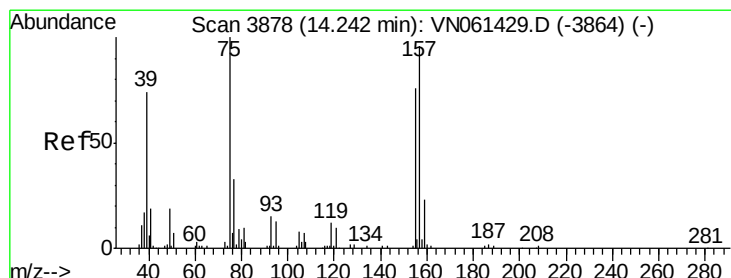
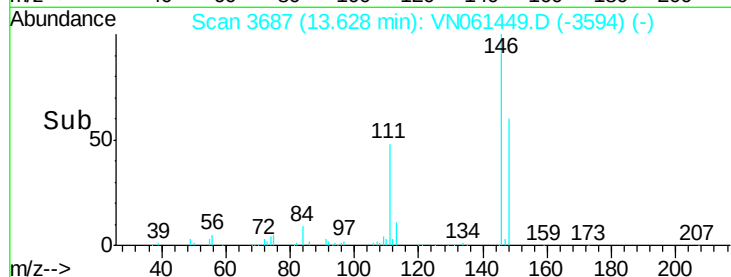
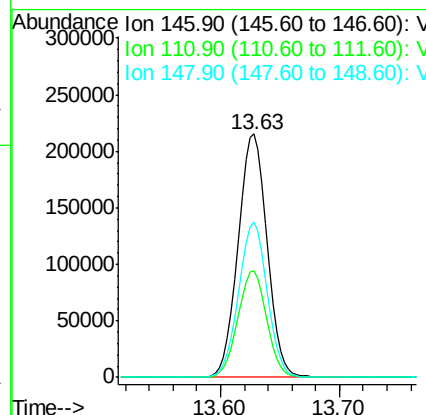
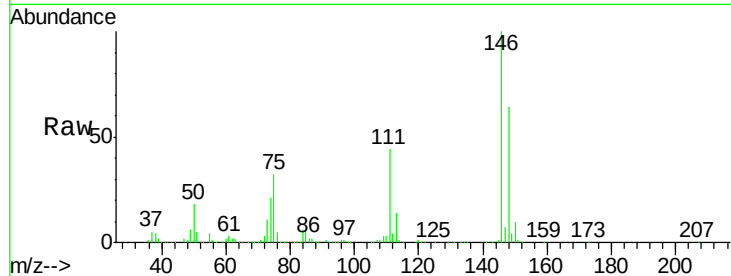
#91
 1,2-Dichlorobenzene
 Concen: 48.486 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	363940
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.9	65.7
148	62.9	31.6	94.7

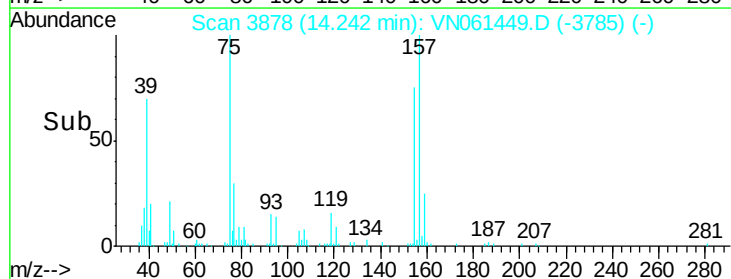
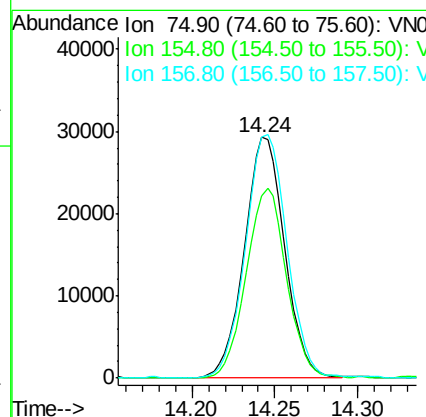
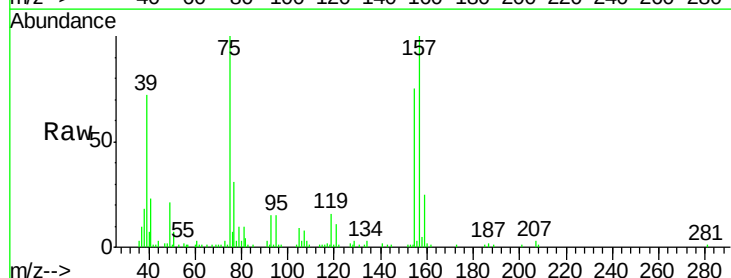
Manual Integrations
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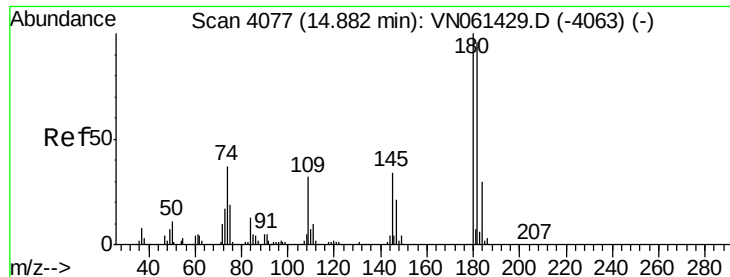
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.160 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion:	75	Resp:	49447
Ion Ratio	Lower	Upper	
75	100		
155	78.9	38.9	116.7
157	104.4	48.6	145.8





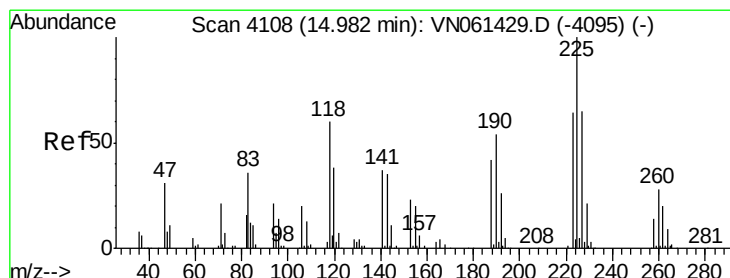
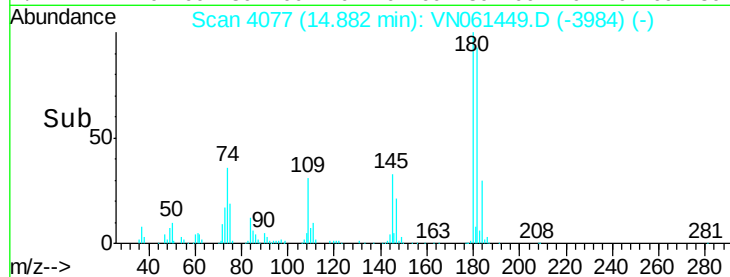
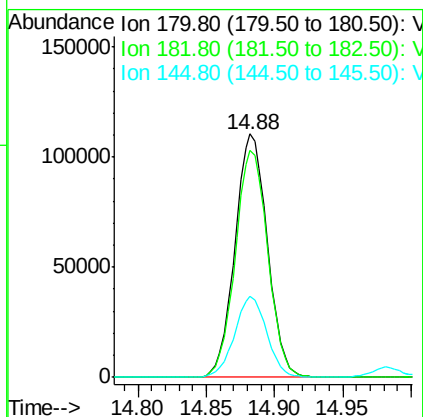
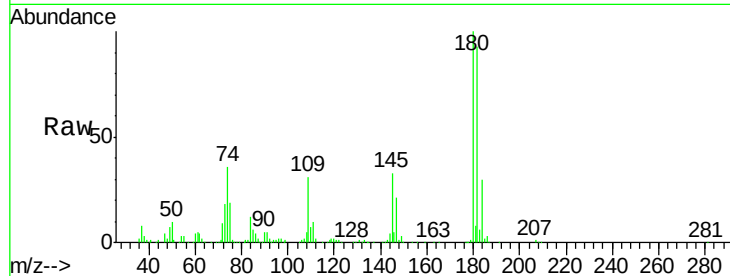
#93
 1,2,4-Trichlorobenzene
 Concen: 44.688 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	181879		
182	93.8	47.0	141.0	
145	33.3	16.7	50.0	

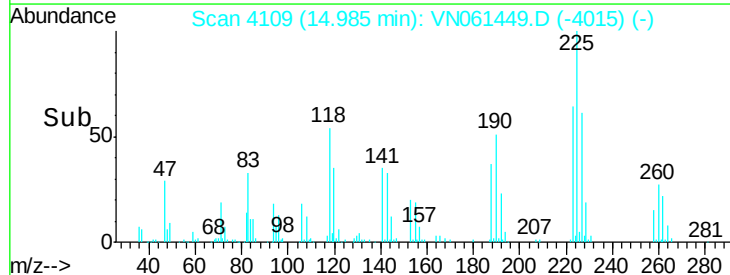
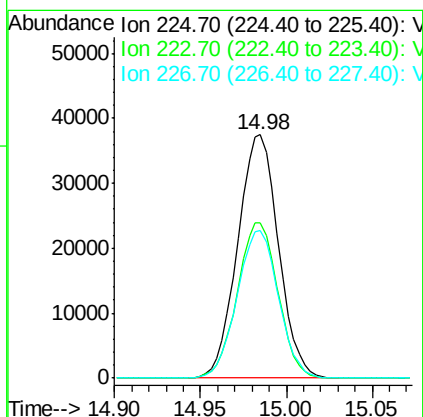
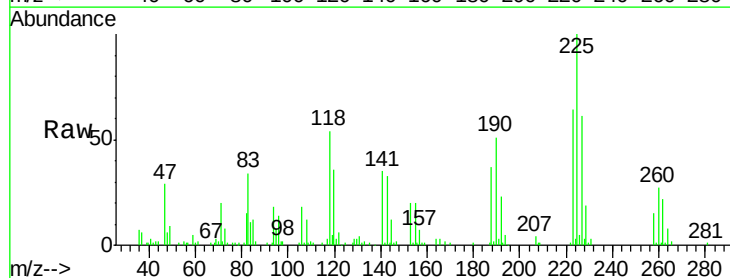
Manual Integrations
 APPROVED

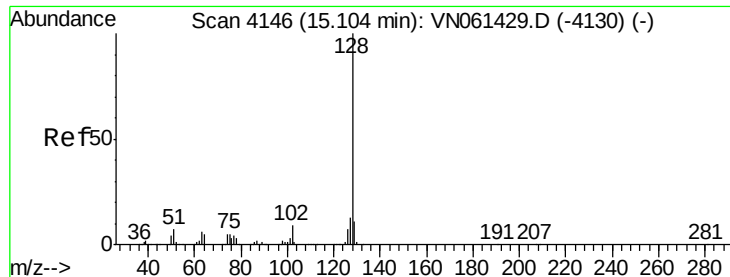
MMDadoda
 5/19/2020 4:24:48 PM



#94
 Hexachlorobutadiene
 Concen: 34.053 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61580		
223	63.8	31.9	95.7	
227	61.4	31.5	94.5	





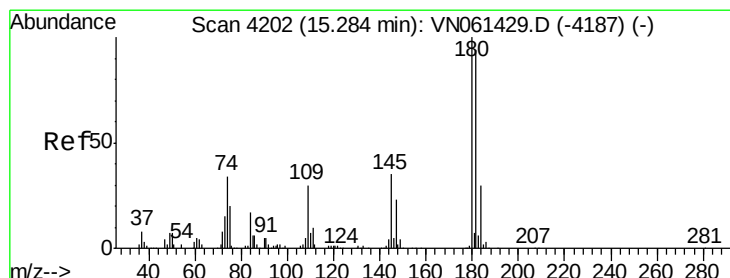
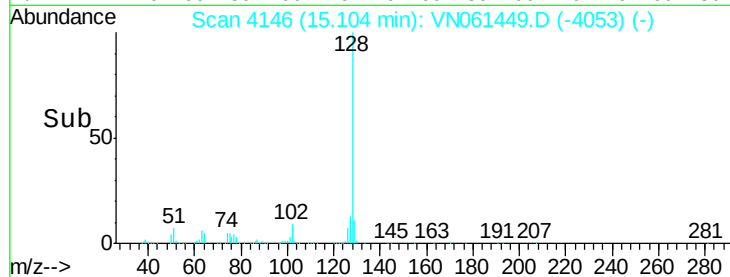
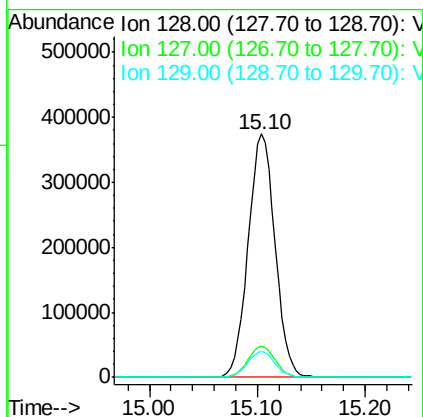
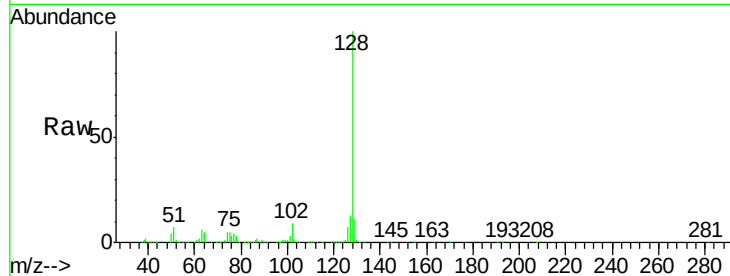
#95
Naphthalene
Concen: 49.984 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.665 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.3
145	35.2	17.3	51.9

