

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061432.D
 Acq On : 18 May 2020 14:06
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Manual Integrations
 APPROVED

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 5/19/2020 4:25:45 PM

Quant Time: May 18 18:22:15 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	333386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	603431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	566280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	273040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	240370	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.55	113	161027	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.06	98	743579	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.37	95	280966	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	129596	46.750	ug/l	98
3) Chloromethane	2.03	50	196953	43.560	ug/l	100
4) Vinyl Chloride	2.16	62	288758	44.624	ug/l	99
5) Bromomethane	2.54	94	159180	48.528	ug/l	98
6) Chloroethane	2.67	64	189818	43.582	ug/l	100
7) Trichlorofluoromethane	2.98	101	347722	44.262	ug/l	96
8) Diethyl Ether	3.37	74	104110	45.497	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	152663	46.730	ug/l	99
10) Methyl Iodide	3.91	142	183336	46.204	ug/l	99
11) Tert butyl alcohol	4.73	59	122458	213.600	ug/l	99
12) 1,1-Dichloroethene	3.70	96	153055	44.788	ug/l	96
13) Acrolein	3.56	56	89302	215.673	ug/l	98
14) Allyl chloride	4.27	41	257471	46.296	ug/l	99
15) Acrylonitrile	4.93	53	392685	231.193	ug/l	100
16) Acetone	3.77	43	326123	256.499	ug/l	99
17) Carbon Disulfide	4.01	76	368793	50.316	ug/l	99
18) Methyl Acetate	4.27	43	160216	46.887	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	594049	45.808	ug/l	100
20) Methylene Chloride	4.50	84	181091	44.285	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	182346	46.275	ug/l	99
22) Diisopropyl ether	5.90	45	582127	46.580	ug/l	99
23) Vinyl Acetate	5.84	43	2356135	237.085	ug/l	99
24) 1,1-Dichloroethane	5.80	63	338281	46.408	ug/l	99
25) 2-Butanone	6.78	43	518405	228.831	ug/l	99
26) 2,2-Dichloropropane	6.77	77	325240	46.805	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	217949	46.824	ug/l	99
28) Bromochloromethane	7.15	49	150961	48.791	ug/l	99
29) Tetrahydrofuran	7.16	42	331322	220.831	ug/l	99
30) Chloroform	7.33	83	363265	47.714	ug/l	100
31) Cyclohexane	7.61	56	307397	47.781	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	328575	47.229	ug/l	99
36) 1,1-Dichloropropene	7.75	75	273009	48.385	ug/l	99
37) Ethyl Acetate	6.88	43	222872	43.555	ug/l	99
38) Carbon Tetrachloride	7.73	117	255424	49.163	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	333048	48.327	ug/l	99
40) Benzene	8.00	78	809245	47.592	ug/l	99
41) Methacrylonitrile	7.13	41	107948	49.947	ug/l	96
42) 1,2-Dichloroethane	8.09	62	290153	47.363	ug/l	100
43) Isopropyl Acetate	8.12	43	411828	46.145	ug/l	99
44) Trichloroethene	8.80	130	218421	49.024	ug/l	99
45) 1,2-Dichloropropane	9.08	63	202446	47.566	ug/l	99
46) Dibromomethane	9.18	93	143197	47.994	ug/l	99
47) Bromodichloromethane	9.37	83	302651	48.144	ug/l	97
48) Methyl methacrylate	9.17	41	185753	45.055	ug/l	98
49) 1,4-Dioxane	9.17	88	37984	871.077	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1152415	237.037	ug/l	100
52) Toluene	10.12	92	529585	48.512	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	342928	49.771	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	355636	48.555	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	201748	48.882	ug/l	99
56) Ethyl methacrylate	10.40	69	317967	49.279	ug/l	100
57) 1,3-Dichloropropane	10.68	76	345628	48.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	671695	237.162	ug/l	99
59) 2-Hexanone	10.72	43	832078	236.559	ug/l	99
60) Dibromochloromethane	10.87	129	229374	50.242	ug/l	100
61) 1,2-Dibromoethane	10.98	107	211330	48.699	ug/l	100
64) Tetrachloroethene	10.60	164	209006	47.707	ug/l	97
65) Chlorobenzene	11.41	112	553976	47.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	204774	49.464	ug/l	98
67) Ethyl Benzene	11.48	91	1046873	49.664	ug/l	100
68) m/p-Xylenes	11.59	106	793364	99.157	ug/l	100
69) o-Xylene	11.92	106	380541	49.148	ug/l	100
70) Styrene	11.94	104	653743	50.987	ug/l	99
71) Bromoform	12.10	173	149172	46.485	ug/l #	100
73) Isopropylbenzene	12.22	105	1032905	47.123	ug/l	100
74) N-amyl acetate	12.04	43	368159	45.886	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	275763	45.727	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	257692m	43.984	ug/l	
77) Bromobenzene	12.50	156	226239	47.559	ug/l	98
78) n-propylbenzene	12.56	91	1204671	48.235	ug/l	99
79) 2-Chlorotoluene	12.65	91	693968	47.010	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	875621	48.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	103404	46.820	ug/l	98
82) 4-Chlorotoluene	12.75	91	735177	48.096	ug/l	100
83) tert-Butylbenzene	12.97	119	740585	48.173	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	872961	48.601	ug/l	99
85) sec-Butylbenzene	13.15	105	1012117	48.687	ug/l	99
86) p-Isopropyltoluene	13.26	119	919160	49.794	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	426630	49.004	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	425804	48.837	ug/l	99
89) n-Butylbenzene	13.59	91	839450	50.056	ug/l	100
90) Hexachloroethane	13.85	117	124588	49.800	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	403506	48.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	56719	46.560	ug/l	99

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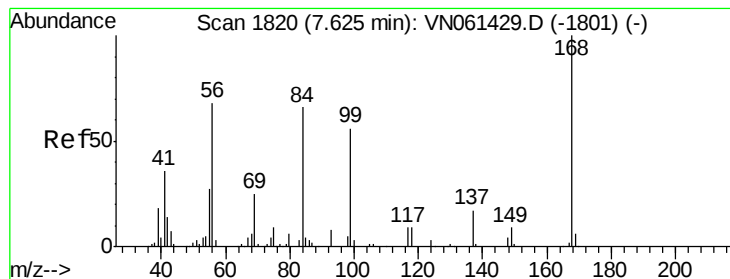
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	235627	52.036	ug/l	99
94) Hexachlorobutadiene	14.98	225	97820	48.619	ug/l	99
95) Naphthalene	15.10	128	737617	51.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	223571	49.597	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061432.D

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Instrument :

MSVOA_N

ClientSampleId :

ICVVN051820

Tot Ion:168 Resp: 333386

Ion Ratio Lower Upper

168 100

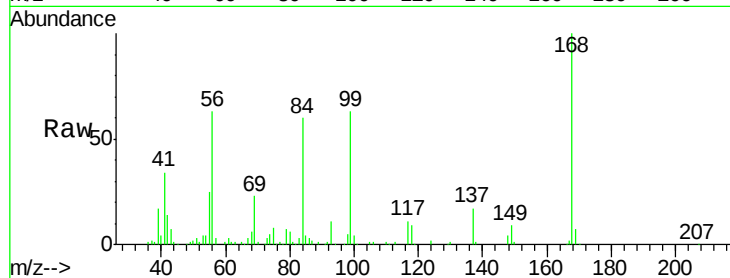
99 63.0 51.1 76.7

Manual Integrations

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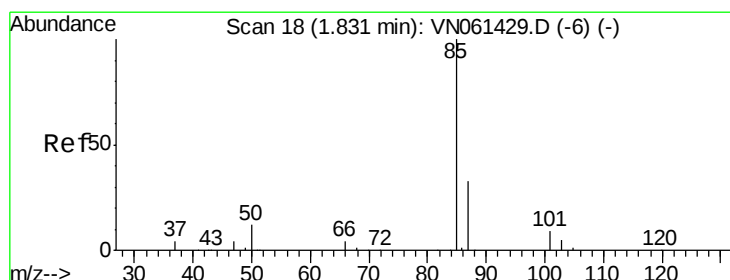
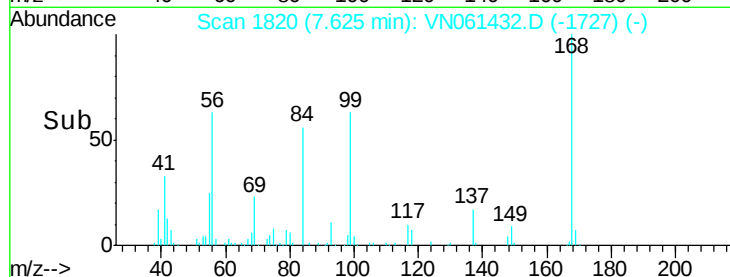
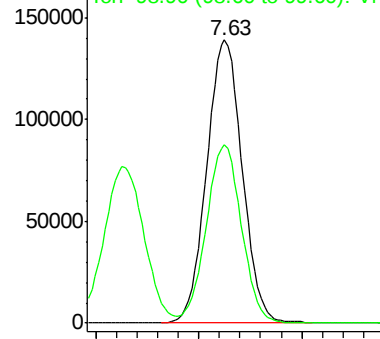
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.750 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061432.D

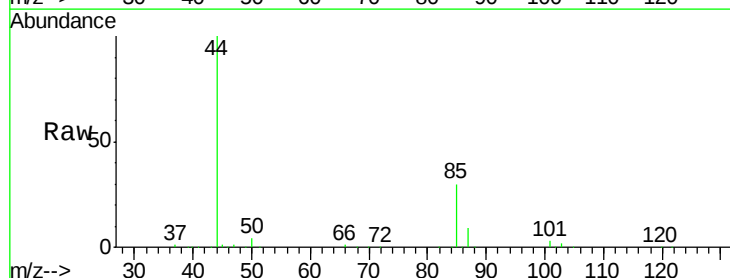
Acq: 18 May 2020 14:06

Tgt Ion: 85 Resp: 129596

Ion Ratio Lower Upper

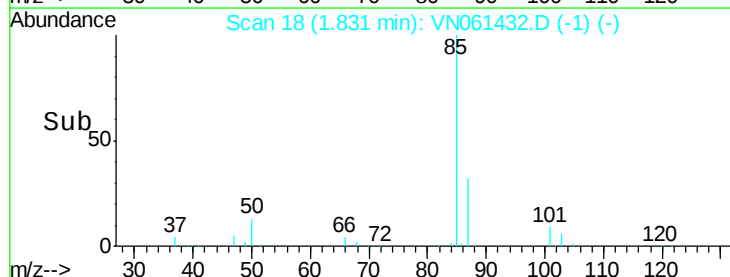
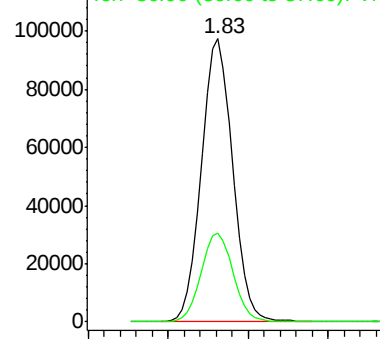
85 100

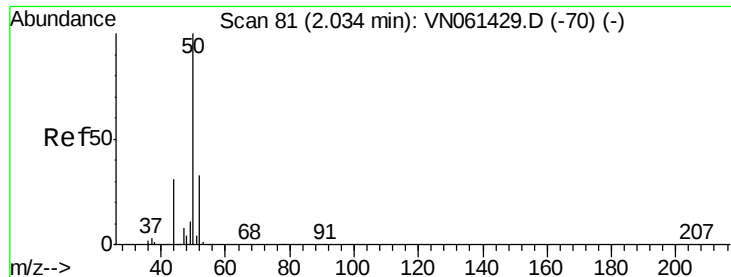
87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 43.560 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051820

Tot Ion: 50 Resp: 196953

Ion Ratio Lower Upper

50 100

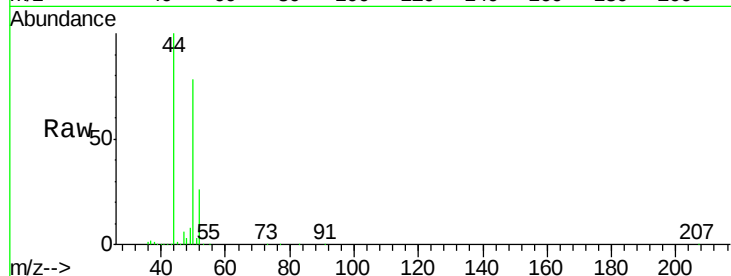
52 33.3 26.7 40.1

Manual Integrations

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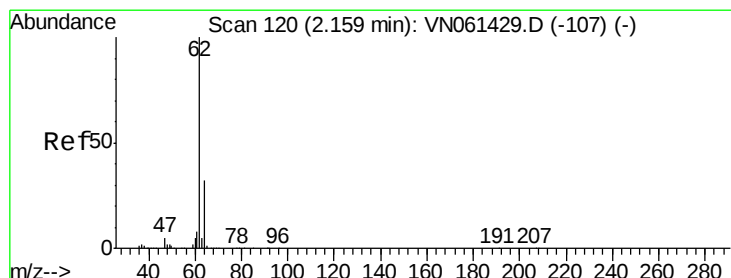
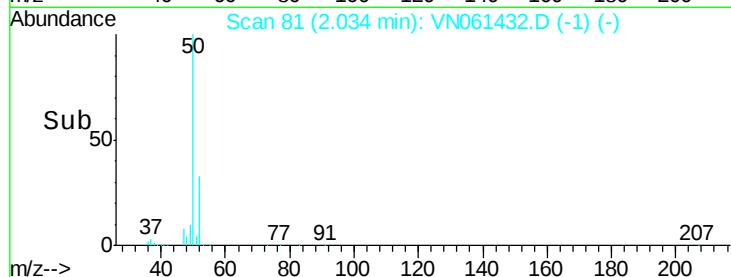
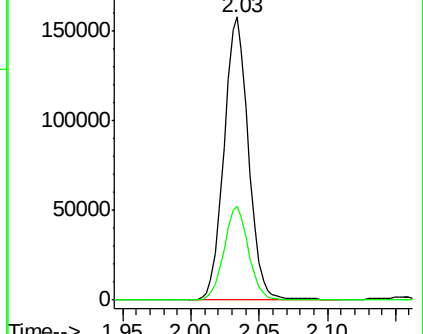
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.624 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061432.D

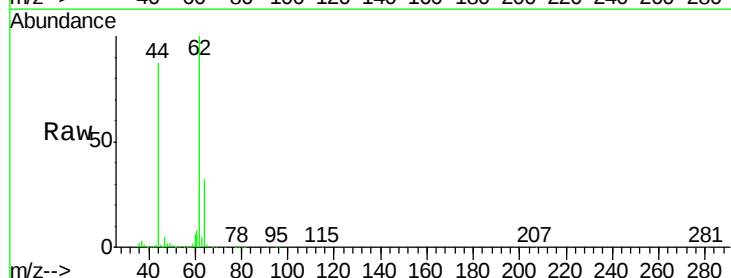
Acq: 18 May 2020 14:06

Tgt Ion: 62 Resp: 288758

Ion Ratio Lower Upper

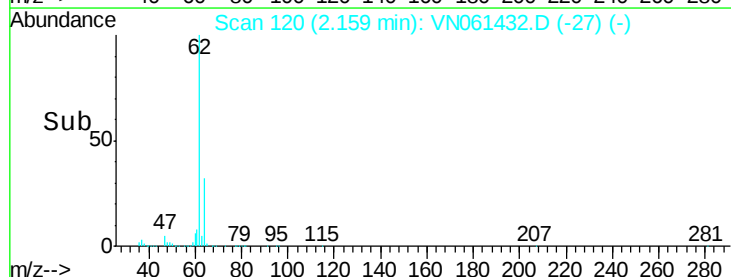
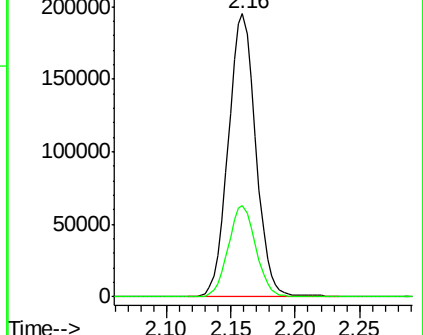
62 100

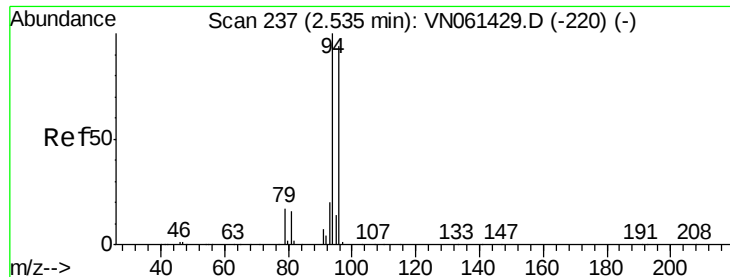
64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.528 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 159180

Ion Ratio Lower Upper

94 100

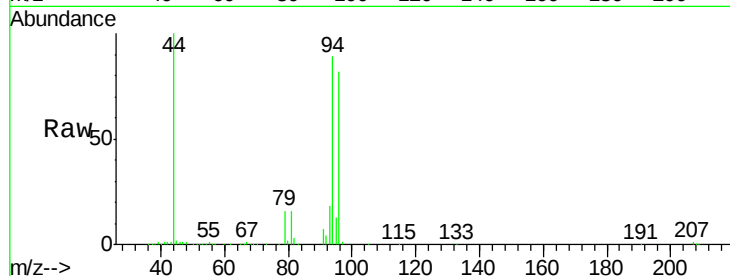
96 92.1 74.9 112.3

Manual Integrations

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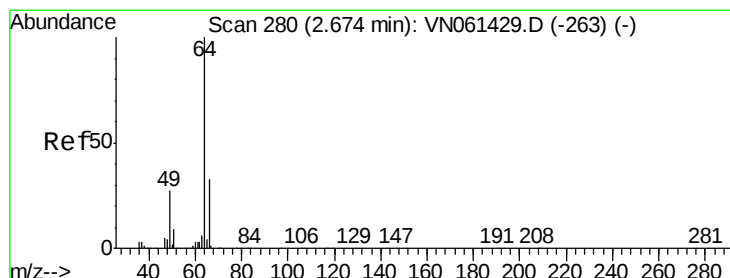
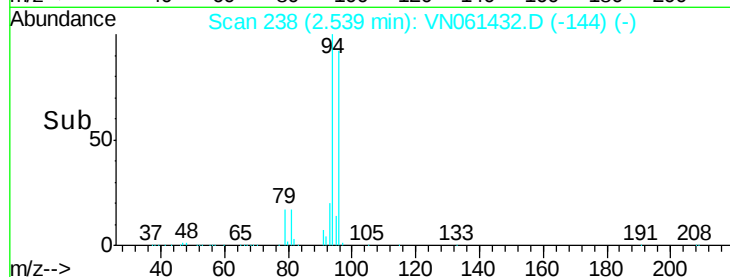
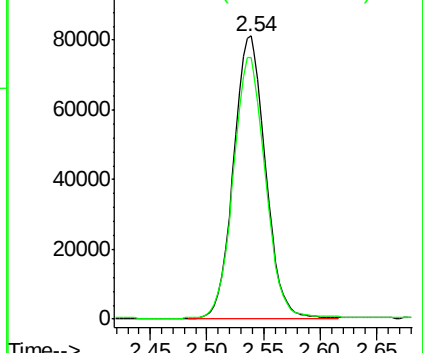
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.582 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061432.D

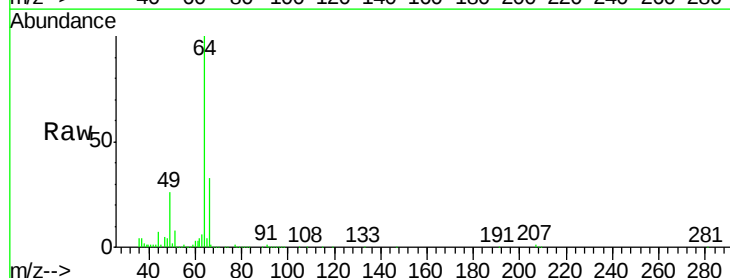
Acq: 18 May 2020 14:06

Tgt Ion: 64 Resp: 189818

Ion Ratio Lower Upper

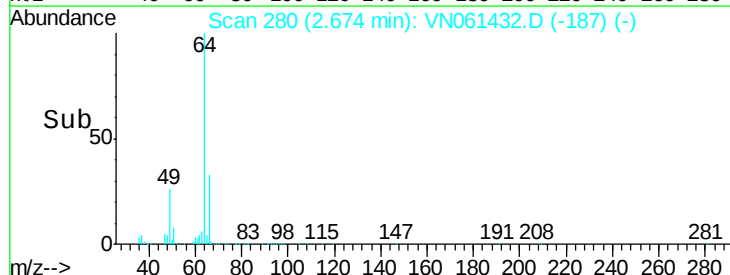
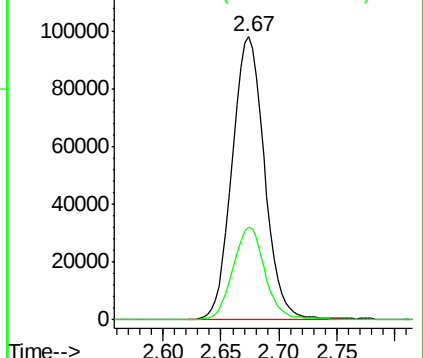
64 100

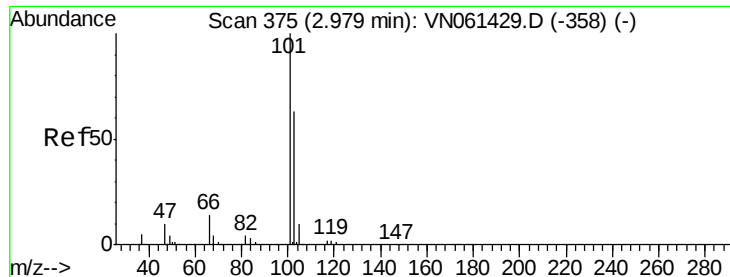
66 32.8 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

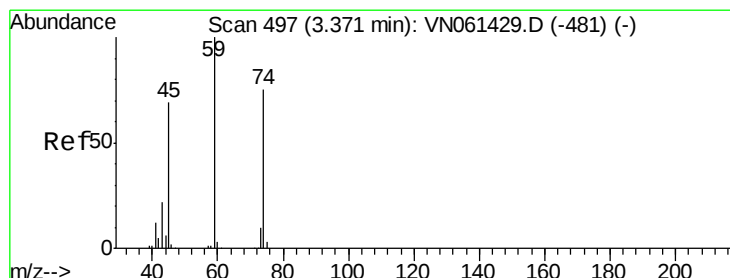
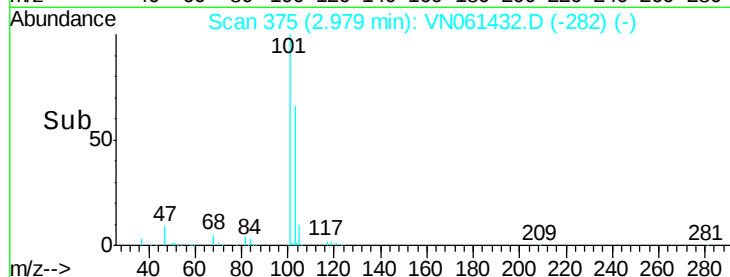
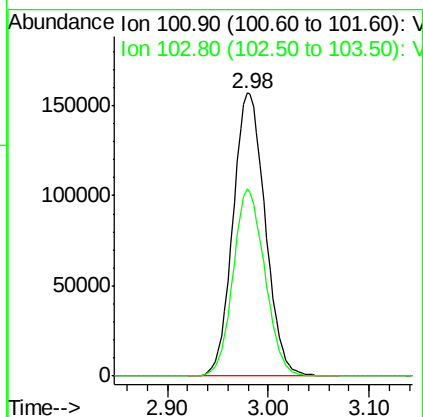
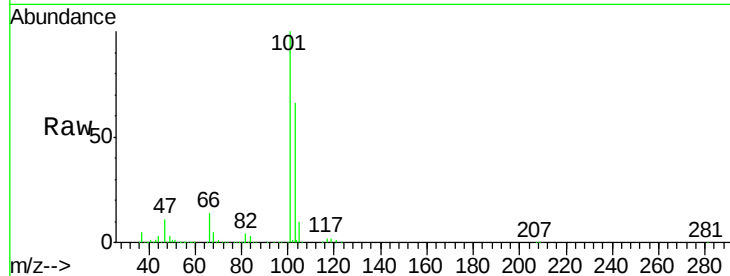
Trichlorofluoromethane
Concen: 44.262 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		347722		
103	66.0	50.2	75.4		

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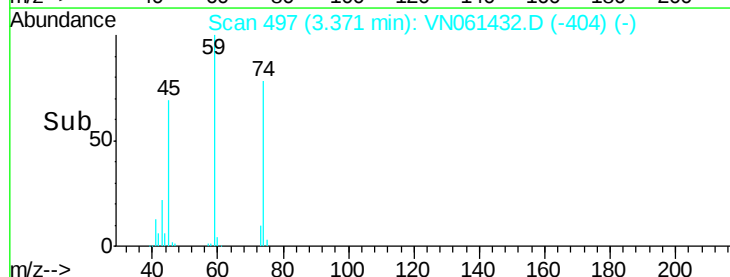
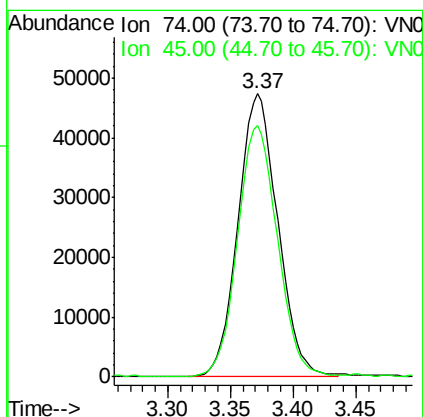
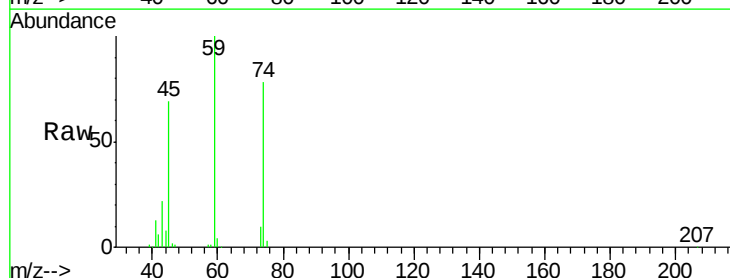
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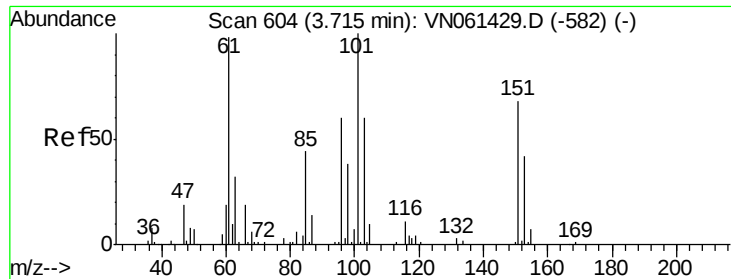


#8

Diethyl Ether
Concen: 45.497 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		104110		
45	89.4	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.730 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

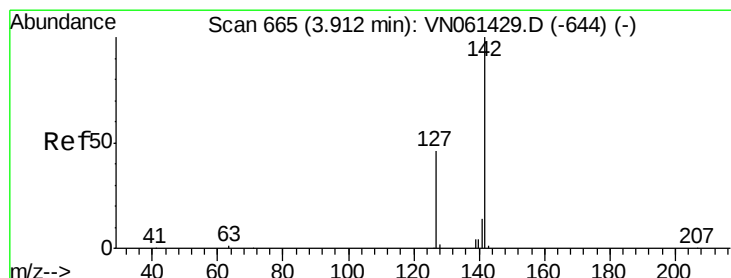
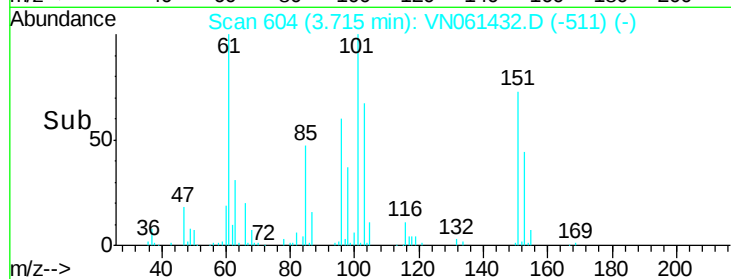
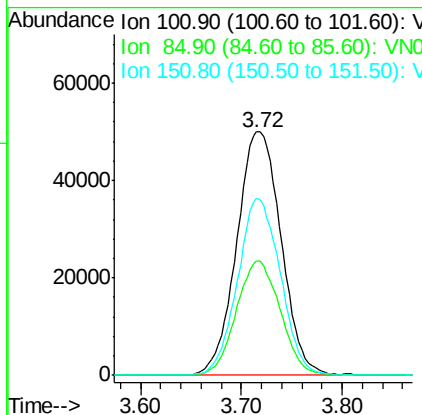
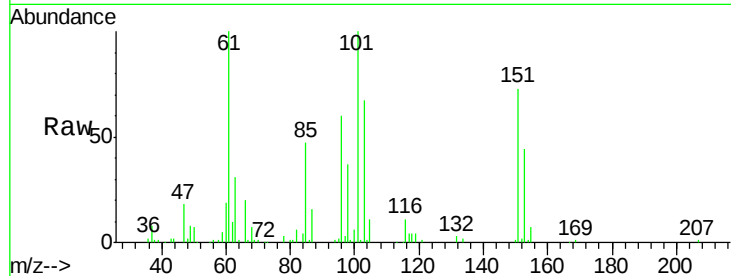
ClientSampleId :

ICVVN051820

Tot Ion:	101	Resp:	152663
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.6	55.0
151	70.2	56.3	84.5

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#10

Methyl Iodide

Concen: 46.204 ug/l

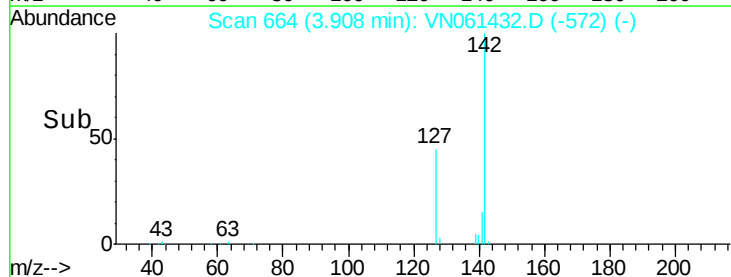
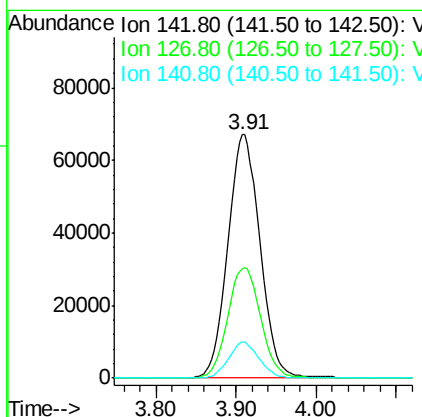
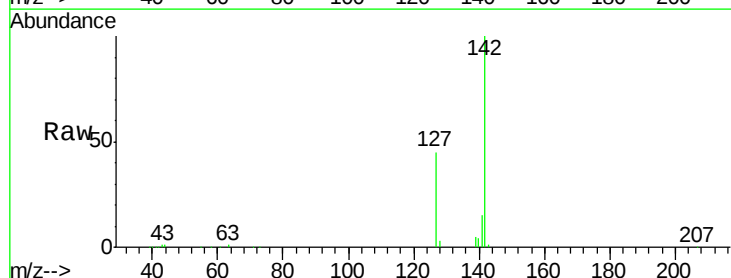
RT: 3.91 min Scan# 664

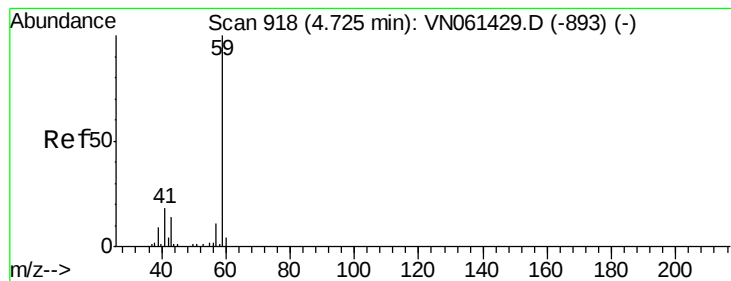
Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion:	142	Resp:	183336
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.7	55.1
141	14.0	11.5	17.3





#11

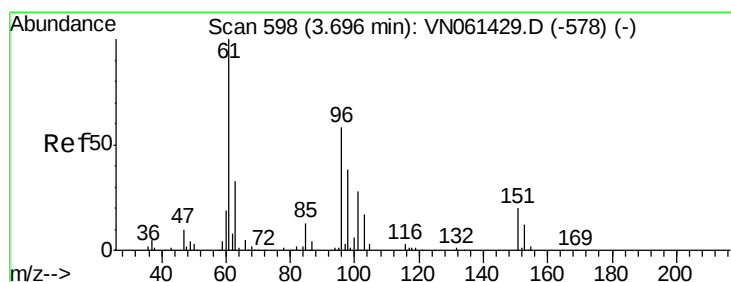
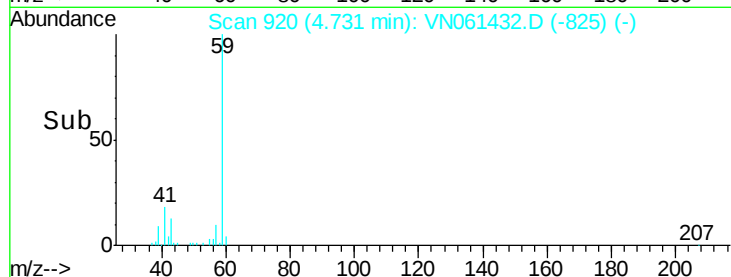
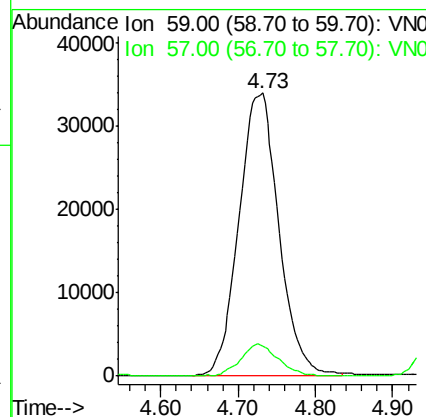
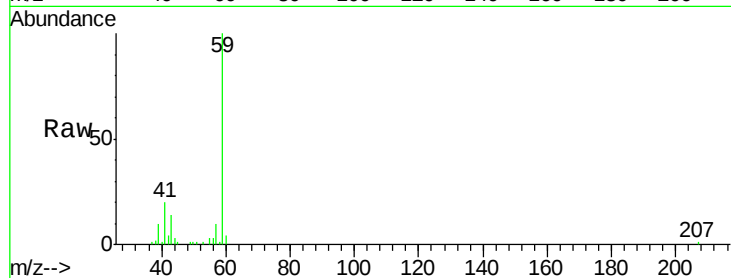
Tert butyl alcohol
Concen: 213.600 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.01 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Resp	Lower	Upper
59	100	122458		
57	10.7		8.2	12.2

Manual Integrations
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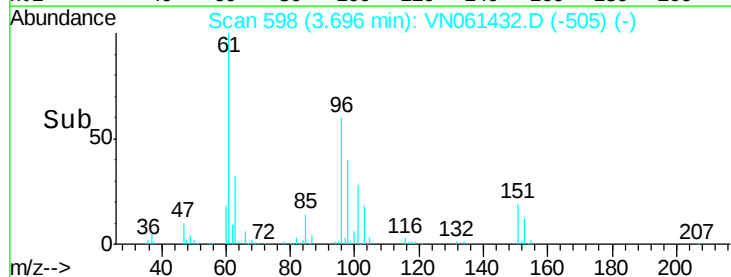
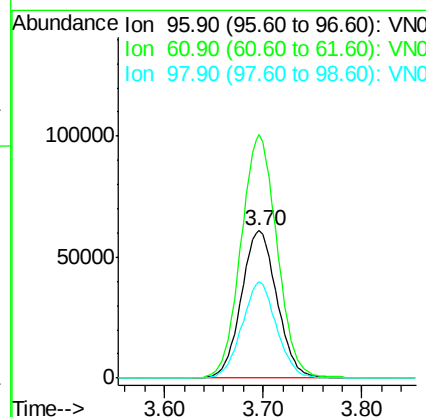
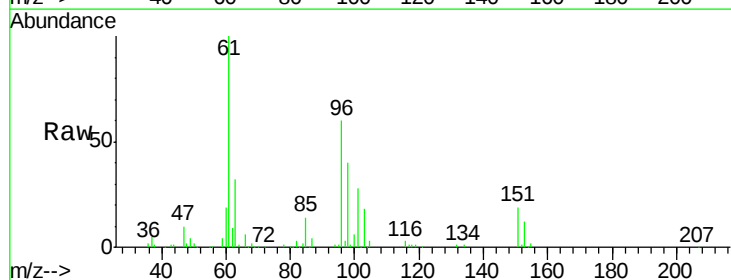
MMDadoda
5/19/2020 4:25:45 PM

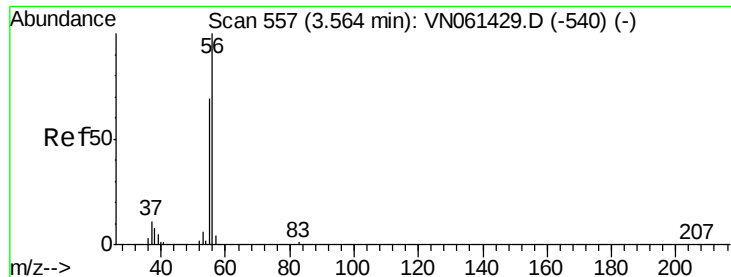


#12

1,1-Dichloroethene
Concen: 44.788 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	153055		
61	165.4		138.7	208.1
98	65.7		53.0	79.6





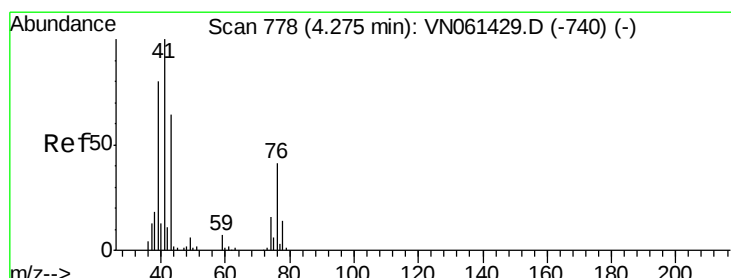
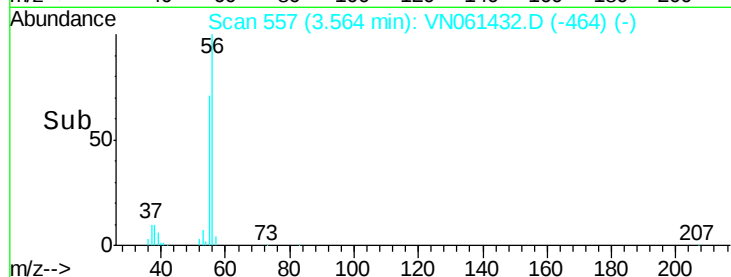
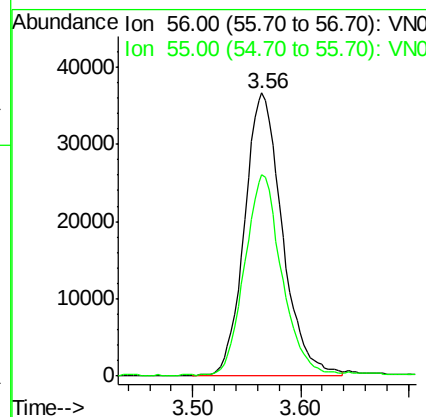
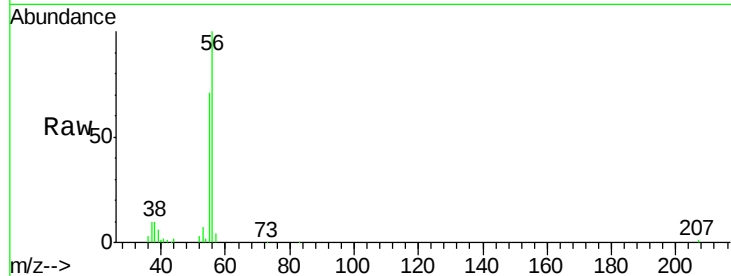
#13
Acrolein
Concen: 215.673 ug/l
RT: 3.56 min Scan# 557
Delta R.T. 0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100	89302		
55	55	70.4		54.8	82.2

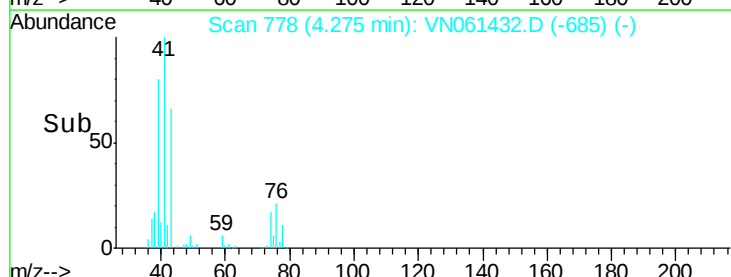
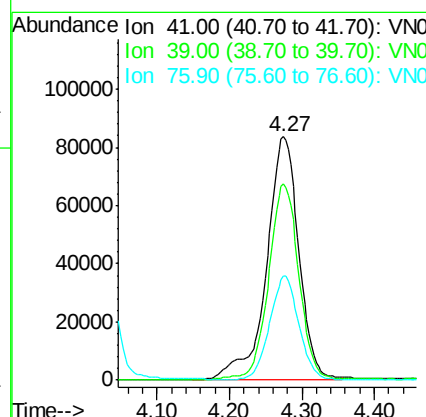
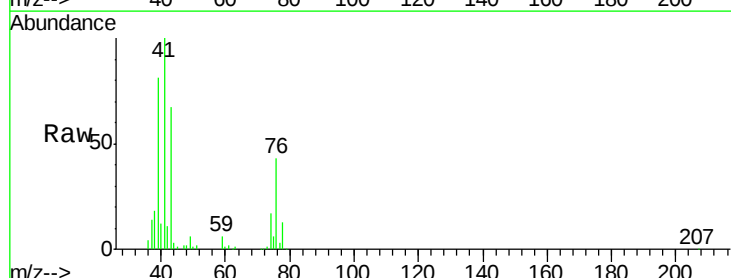
Manual Integrations
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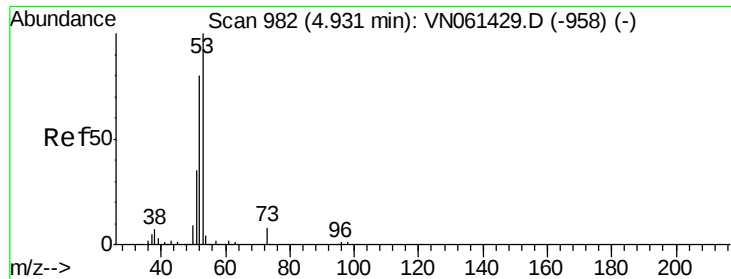
MMDadoda
5/19/2020 4:25:45 PM



#14
Allyl chloride
Concen: 46.296 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	257471		
39	39	76.1		61.2	91.8
76	76	38.3		29.9	44.9





#15

Acrylonitrile

Concen: 231.193 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

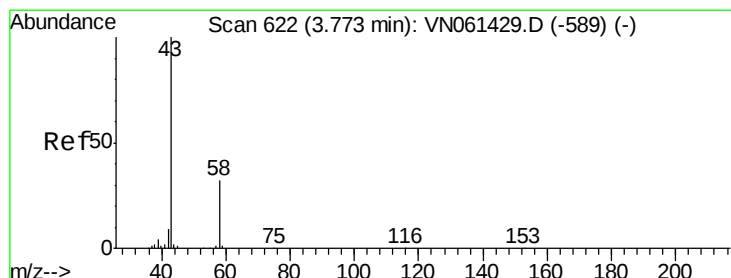
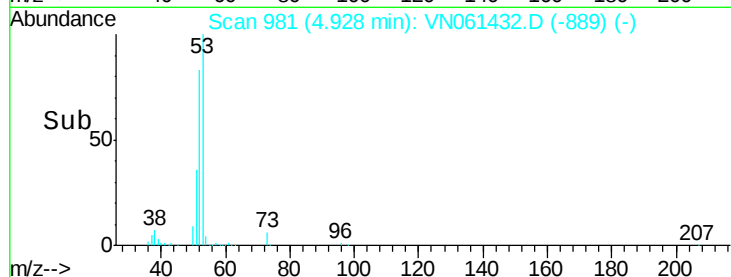
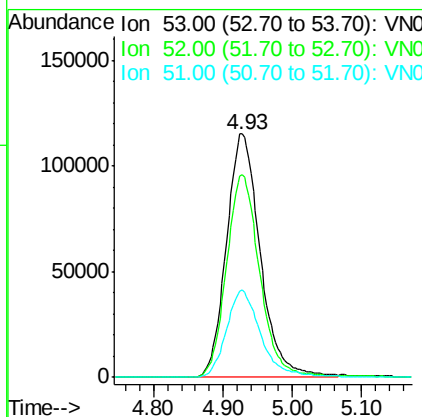
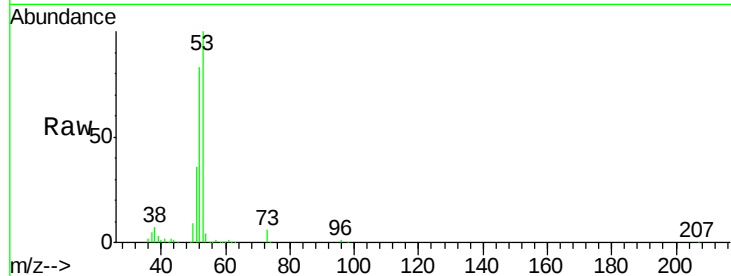
ClientSampleId :

ICVVN051820

Tot Ion:	53	Resp:	392685
Ion Ratio		Lower	Upper
53	100		
52	80.9	64.7	97.1
51	36.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 256.499 ug/l

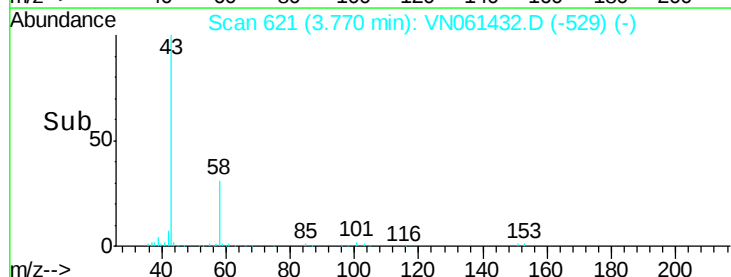
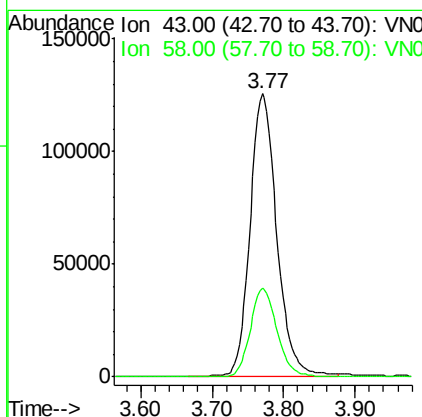
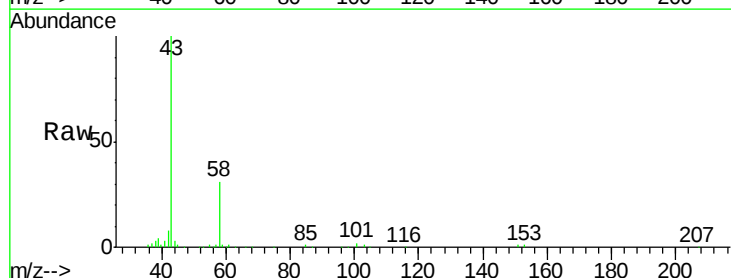
RT: 3.77 min Scan# 621

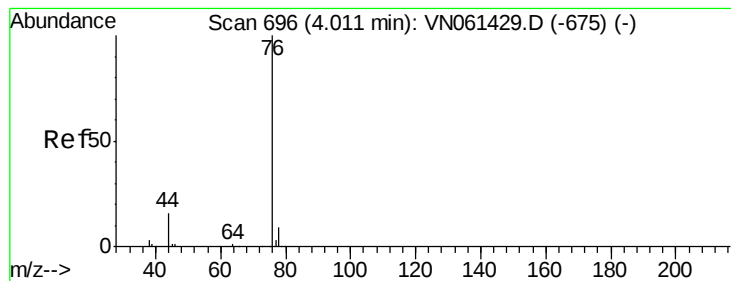
Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion:	43	Resp:	326123
Ion Ratio		Lower	Upper
43	100		
58	31.4	25.6	38.4





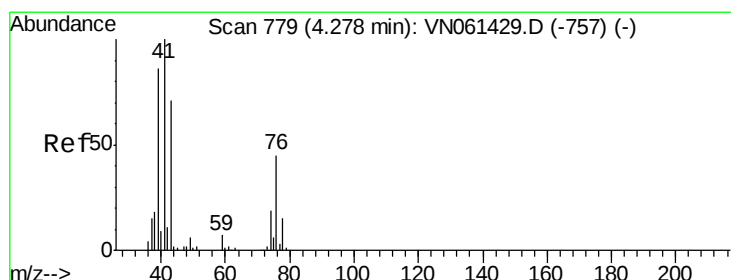
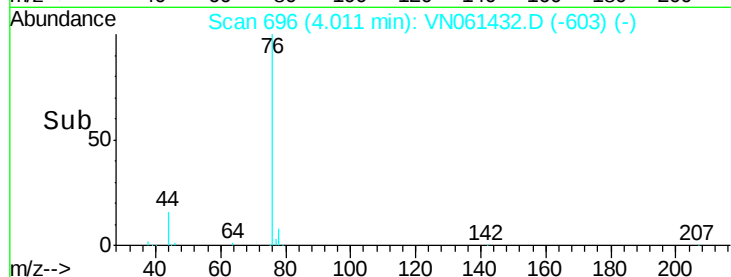
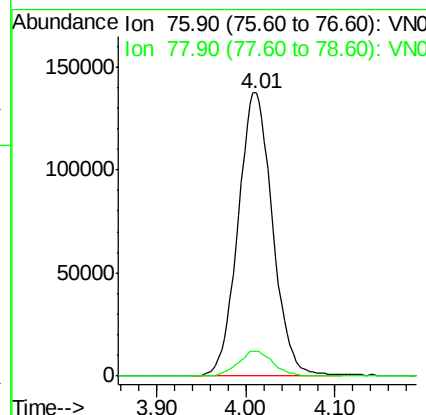
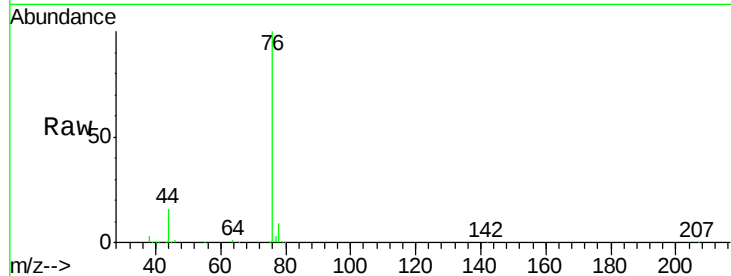
#17
Carbon Disulfide
Concen: 50.316 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion: 76 Resp: 368793
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

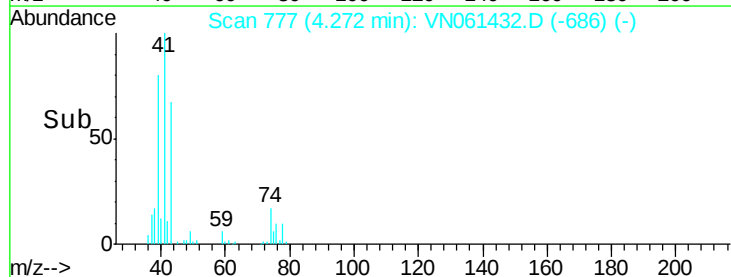
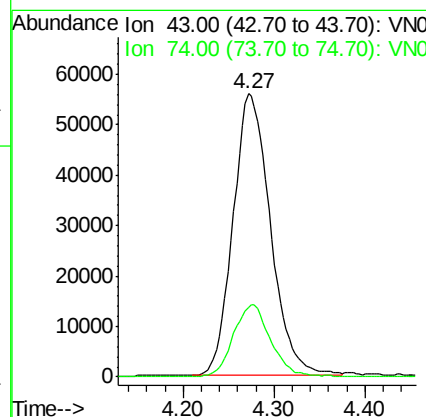
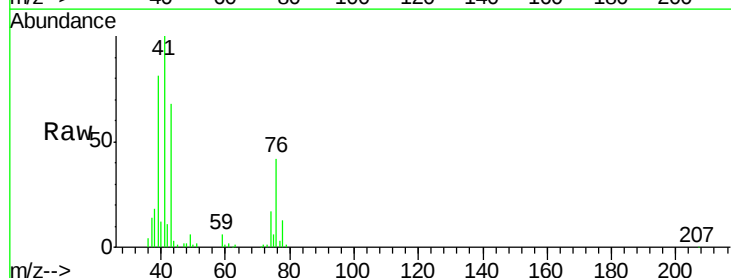
Manual Integrations
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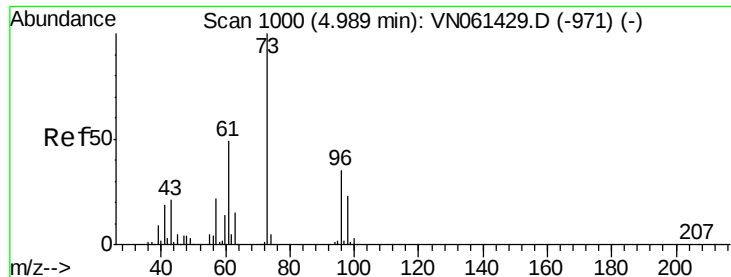
MMDadoda
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#18
Methyl Acetate
Concen: 46.887 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 43 Resp: 160216
Ion Ratio Lower Upper
43 100
74 25.3 20.8 31.2





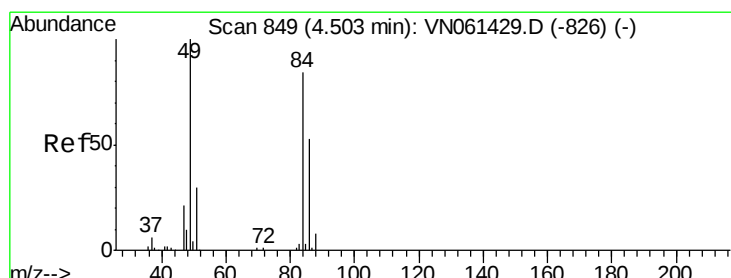
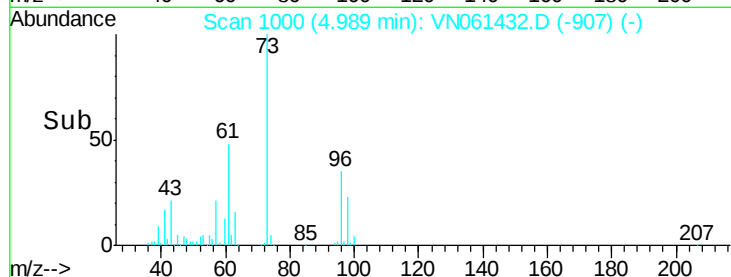
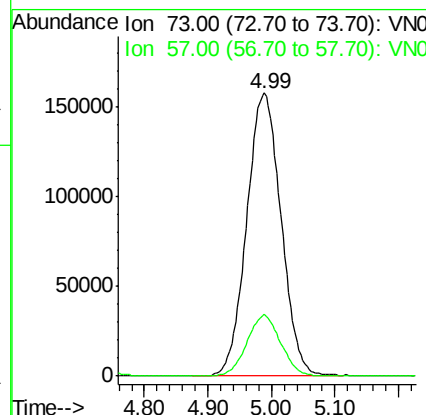
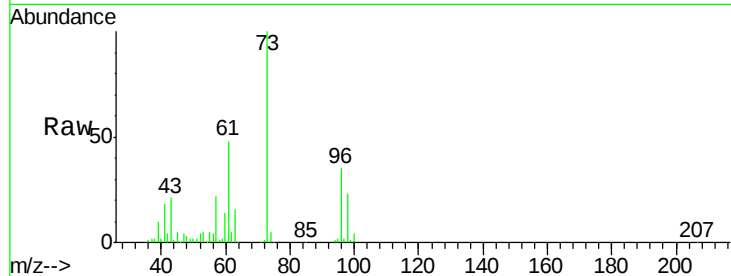
#19
Methyl tert-butyl Ether
Concen: 45.808 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion: 73 Resp: 594049
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

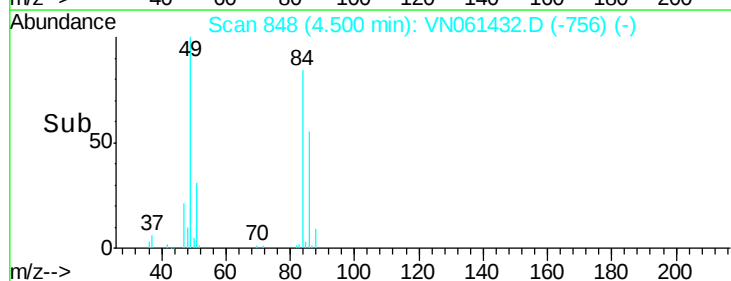
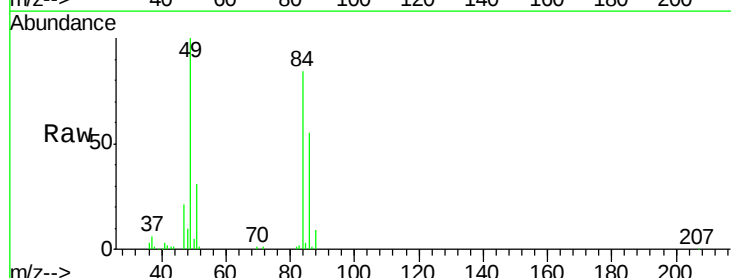
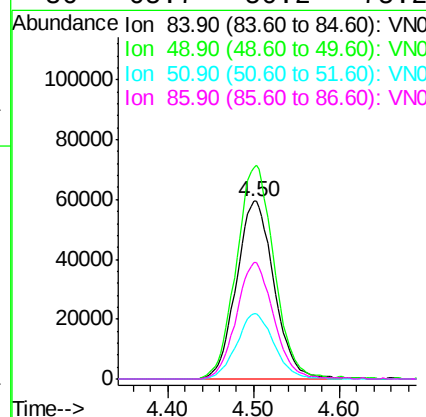
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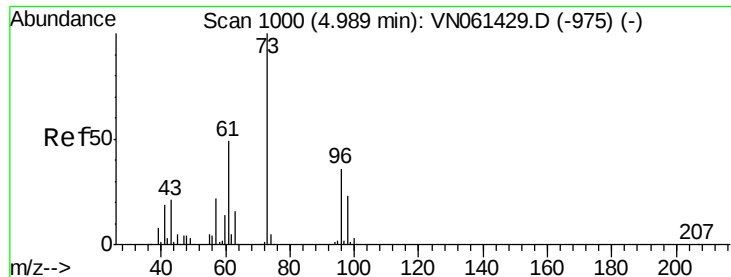
MMDadoda
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#20
Methylene Chloride
Concen: 44.285 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 84 Resp: 181091
Ion Ratio Lower Upper
84 100
49 119.4 95.3 142.9
51 36.7 29.0 43.6
86 65.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.275 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

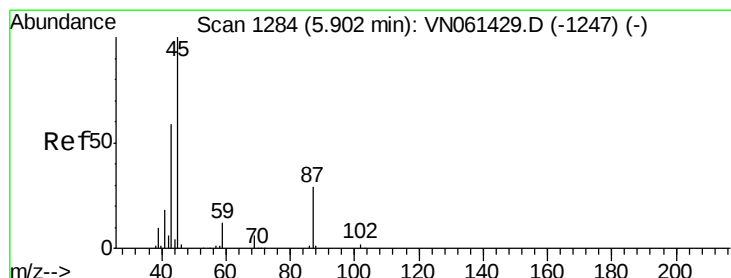
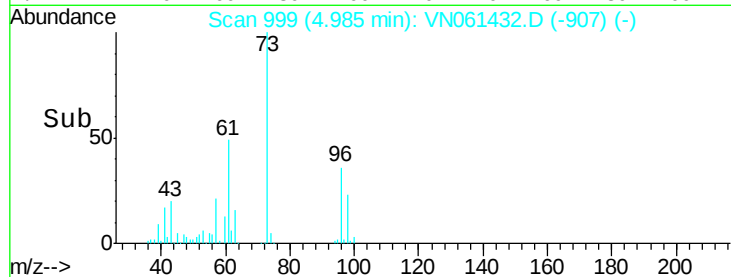
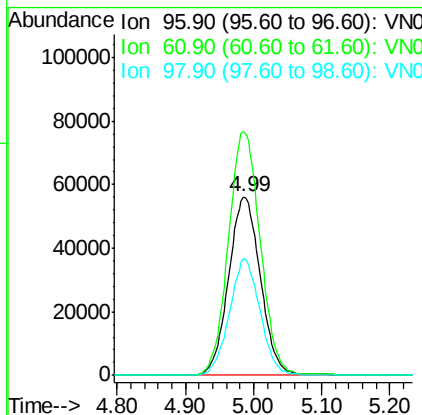
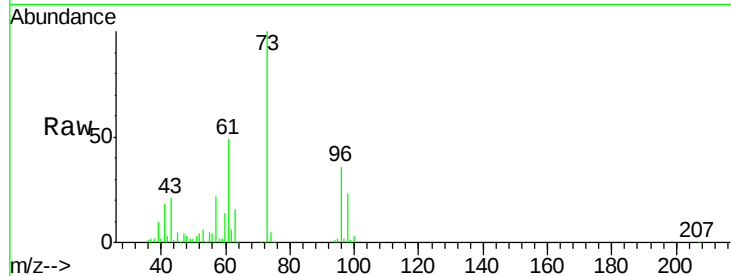
ClientSampleId :

ICVVN051820

Tot Ion:	96	Resp:	182346
Ion	Ratio	Lower	Upper
96	100		
61	136.4	109.8	164.6
98	65.2	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.580 ug/l

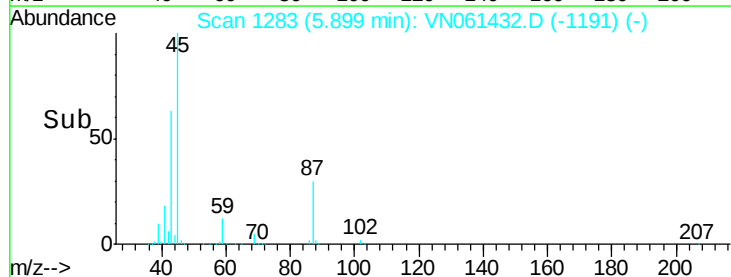
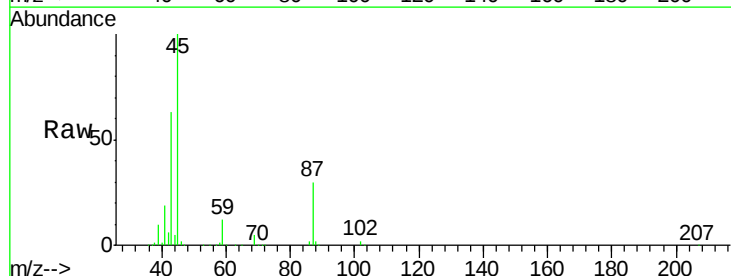
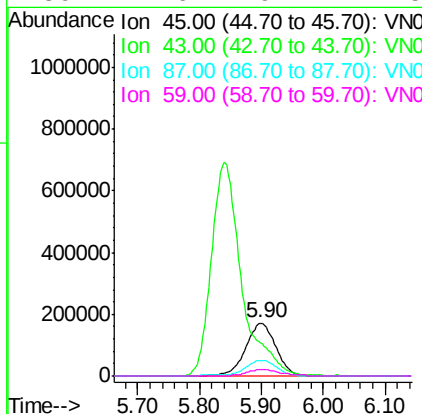
RT: 5.90 min Scan# 1283

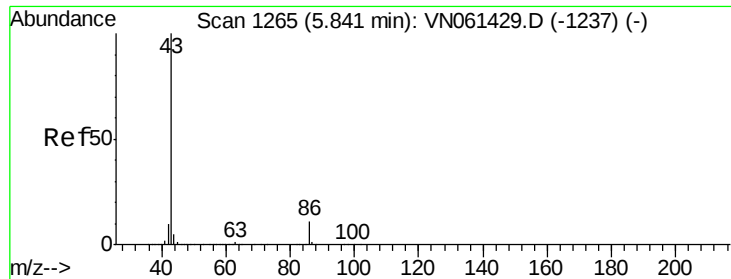
Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion:	45	Resp:	582127
Ion	Ratio	Lower	Upper
45	100		
43	61.2	47.9	71.9
87	29.8	24.0	36.0
59	11.6	9.7	14.5





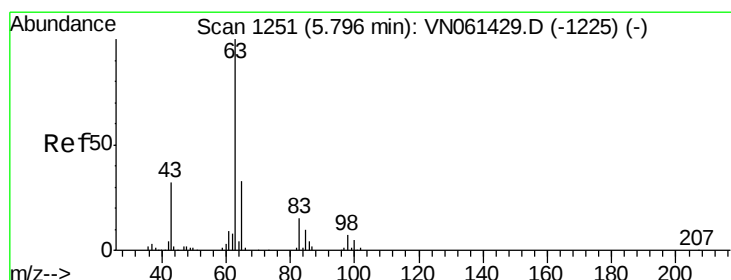
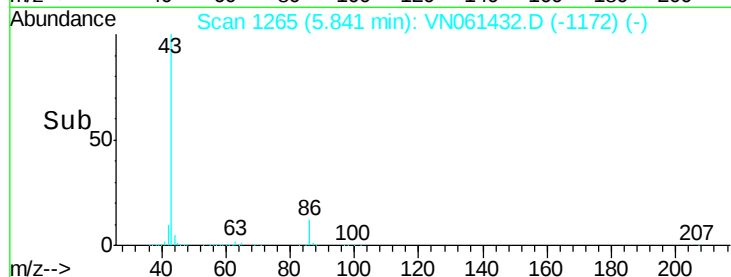
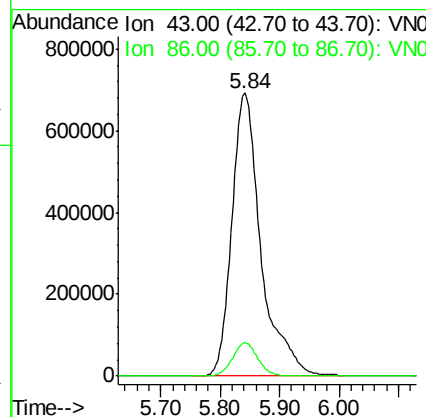
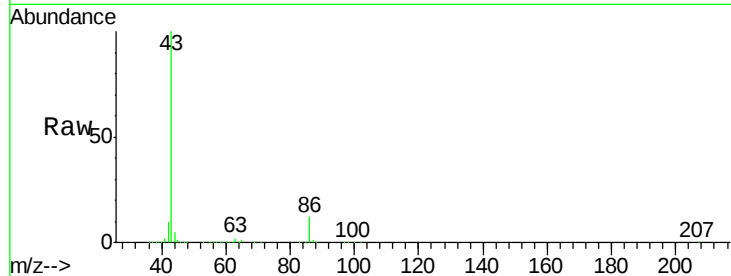
#23
 Vinyl Acetate
 Concen: 237.085 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Tot Ion: 43 Resp: 2356135
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.1 13.7

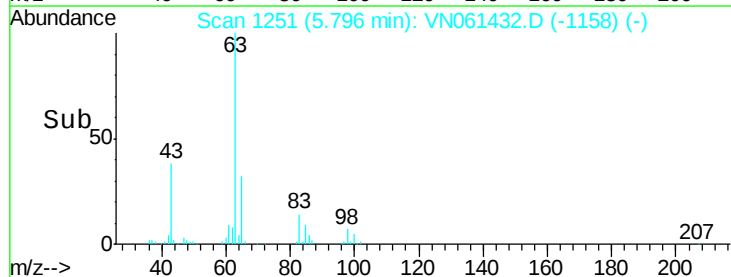
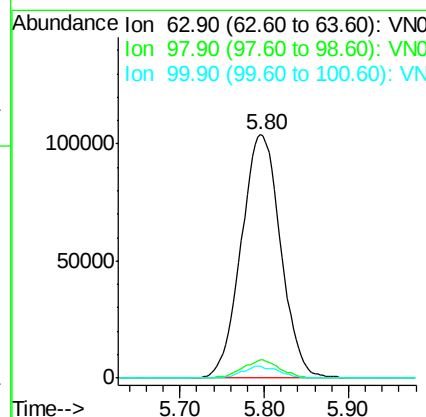
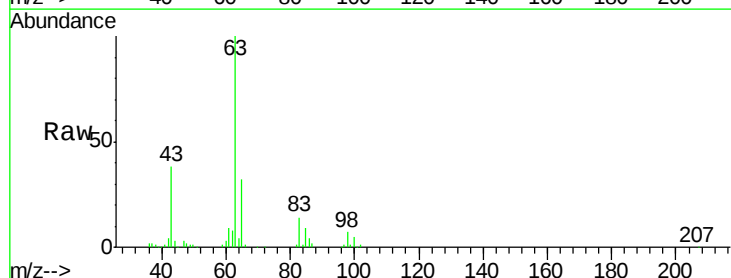
Manual Integrations
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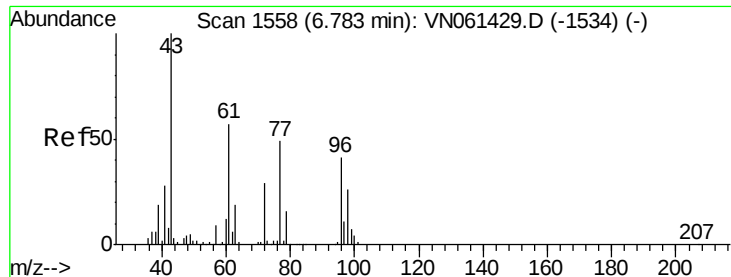
MMDadoda
 5/19/2020 4:25:45 PM



#24
 1,1-Dichloroethane
 Concen: 46.408 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion: 63 Resp: 338281
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.5
 100 4.8 2.3 6.9





#25

2-Butanone

Concen: 228.831 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051820

Tot Ion: 43 Resp: 518405

Ion Ratio Lower Upper

43 100

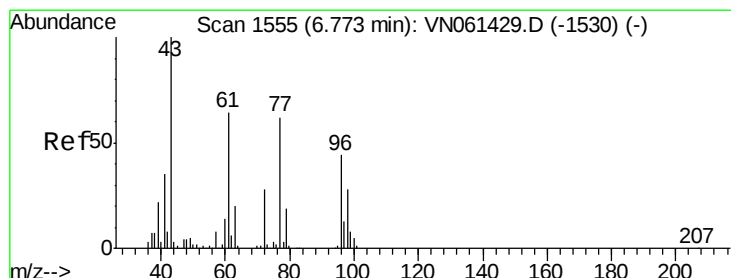
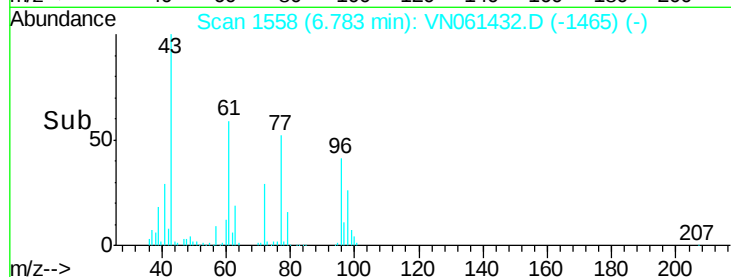
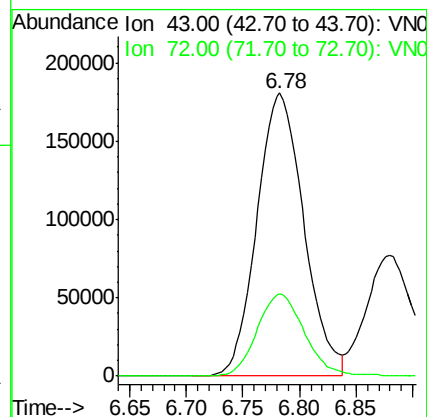
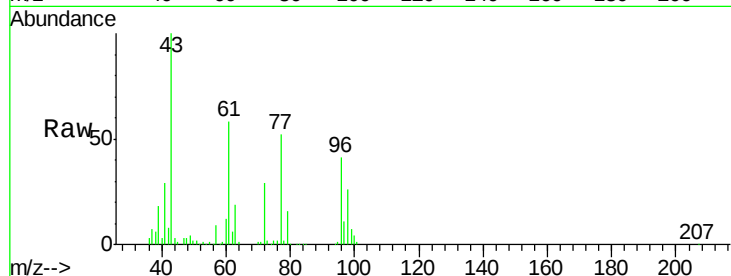
72 29.1 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 46.805 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061432.D

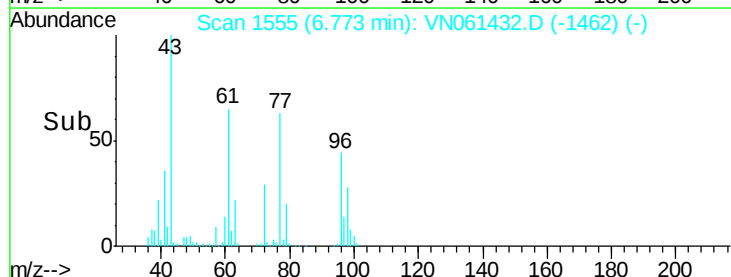
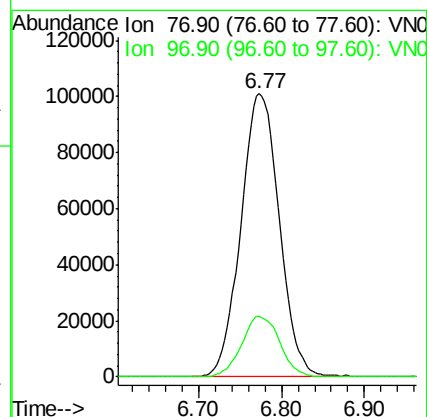
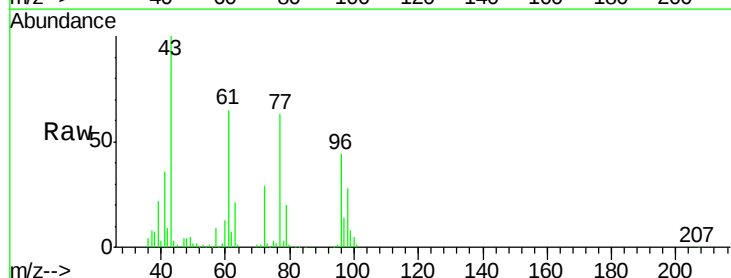
Acq: 18 May 2020 14:06

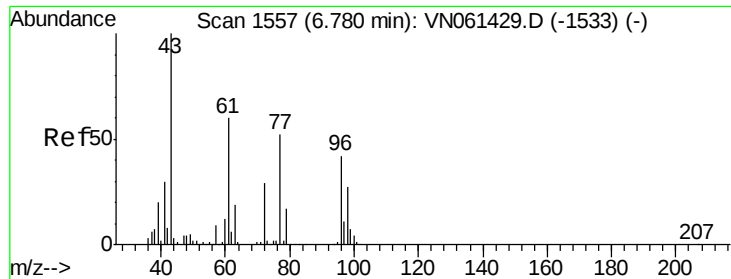
Tgt Ion: 77 Resp: 325240

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 46.824 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061432.D

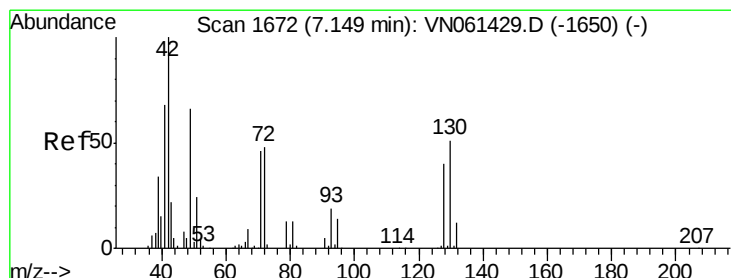
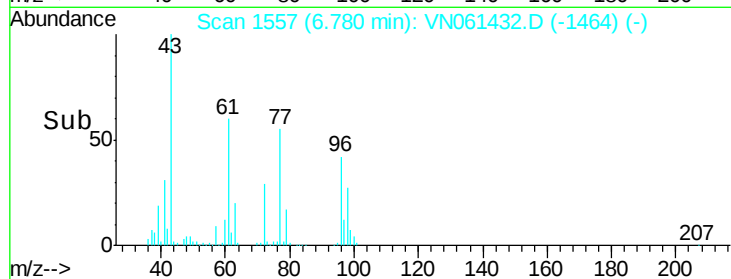
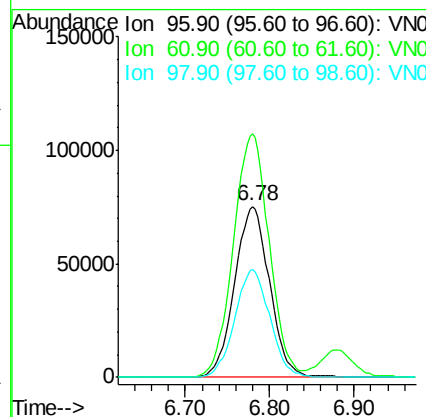
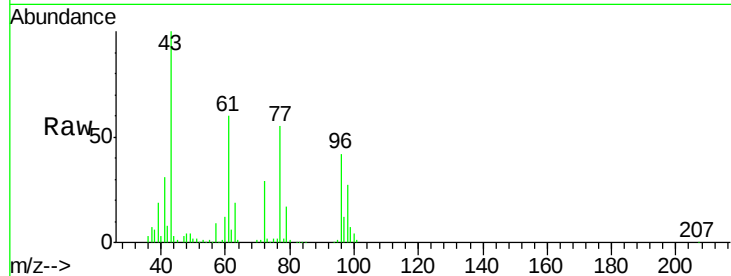
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Resp	Lower	Upper
96	100	217949		
61	145.5	0.0	294.2	
98	63.2	0.0	128.2	

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#28

Bromochloromethane

Concen: 48.791 ug/l

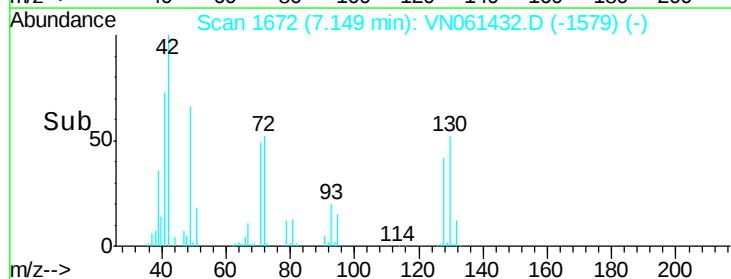
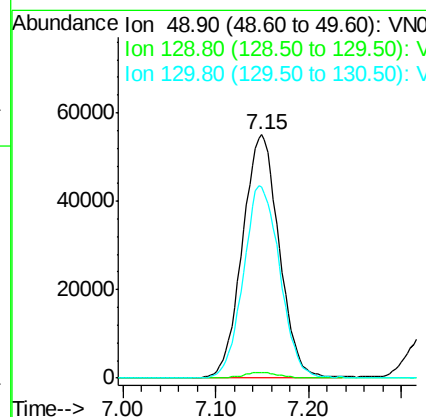
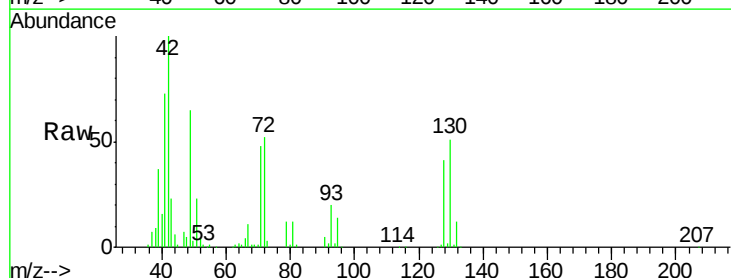
RT: 7.15 min Scan# 1672

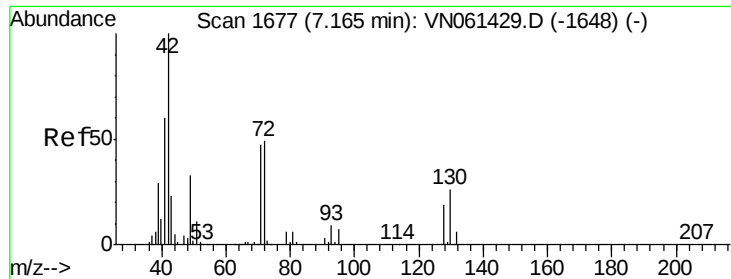
Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	150961		
129	2.1	0.0	4.6	
130	78.6	62.2	93.2	





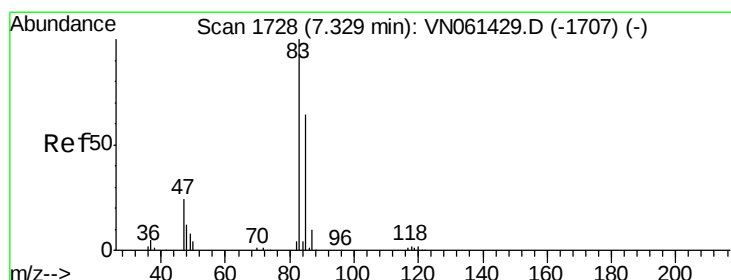
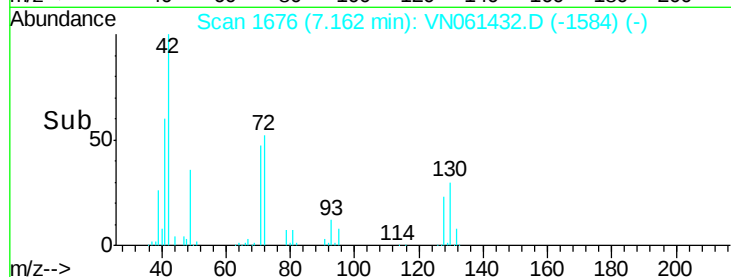
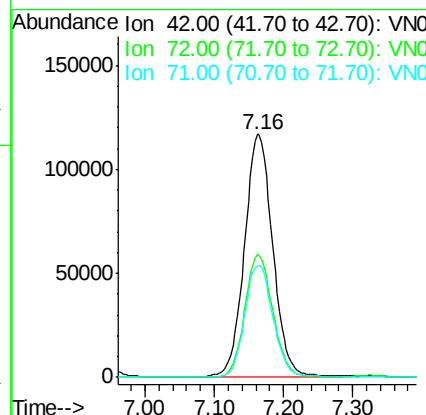
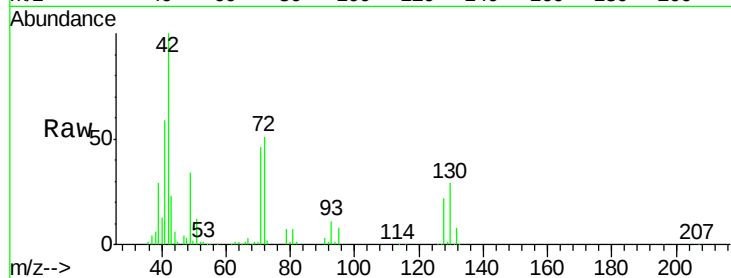
#29
Tetrahydrofuran
Concen: 220.831 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICV051820

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	39.0	58.6
71	46.2	36.9	55.3

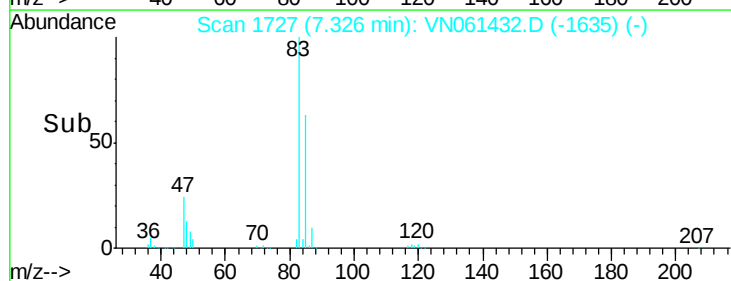
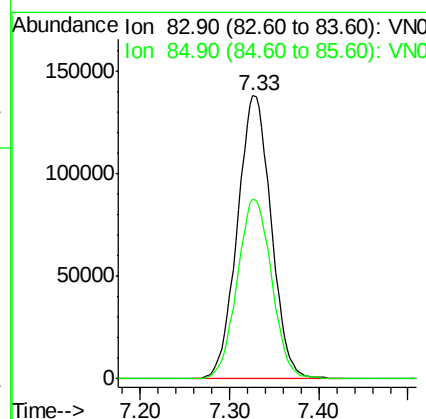
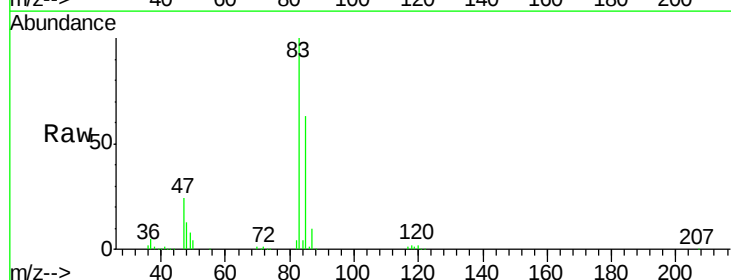
Manual Integrations
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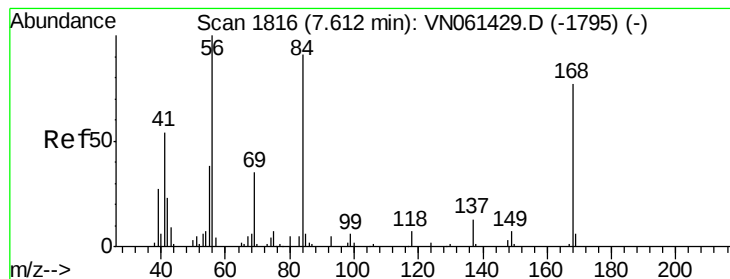
MMDadoda
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#30
Chloroform
Concen: 47.714 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4





#31

Cyclohexane

Concen: 47.781 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

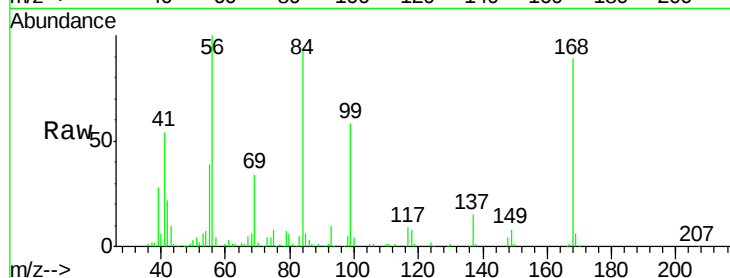
ICVVN051820

Tot Ion: 56 Resp: 307397

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.8	41.6
84	91.7	72.7	109.1

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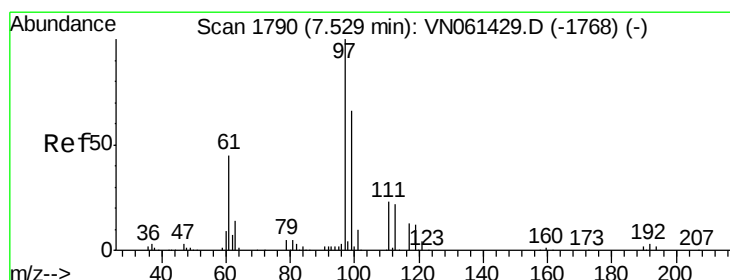
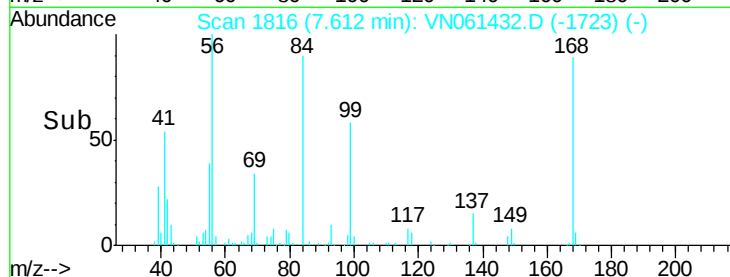
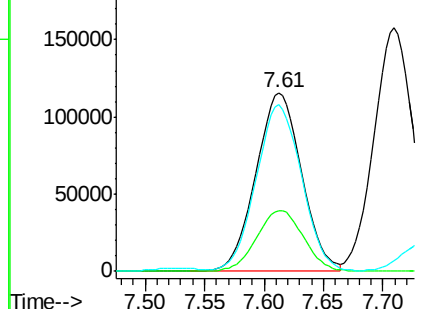


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.229 ug/l

RT: 7.53 min Scan# 1790

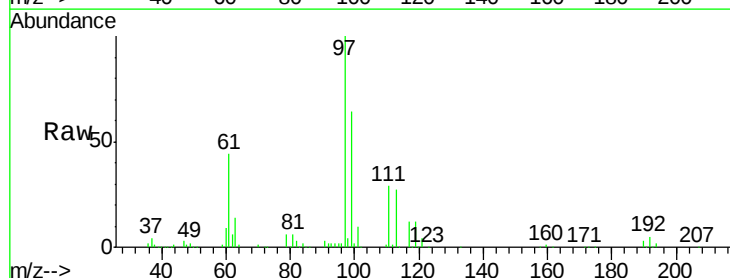
Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion: 97 Resp: 328575

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	44.1	35.8	53.6

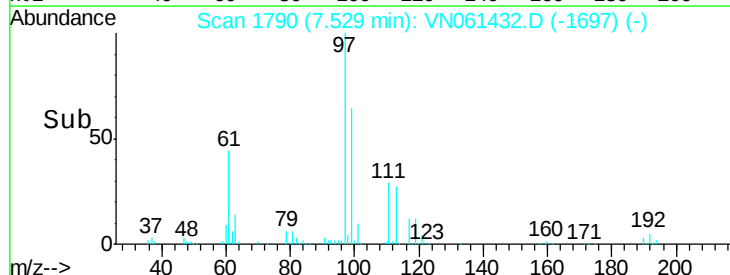
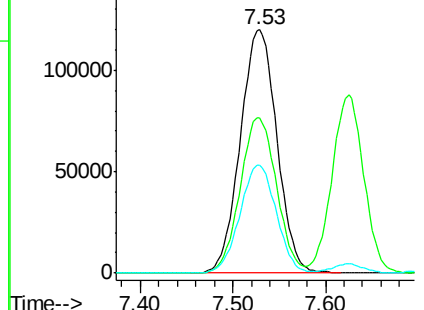


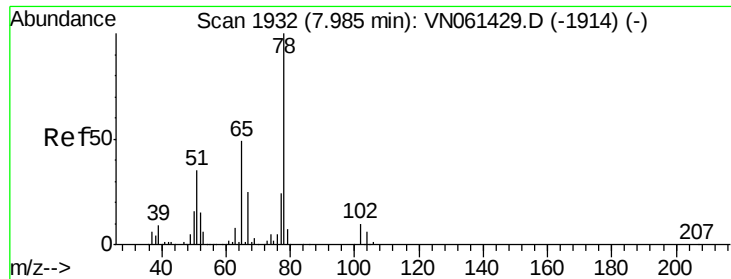
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





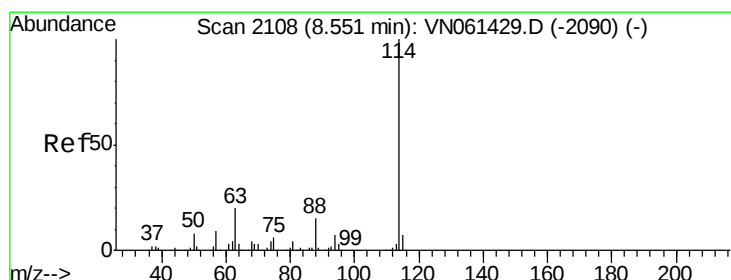
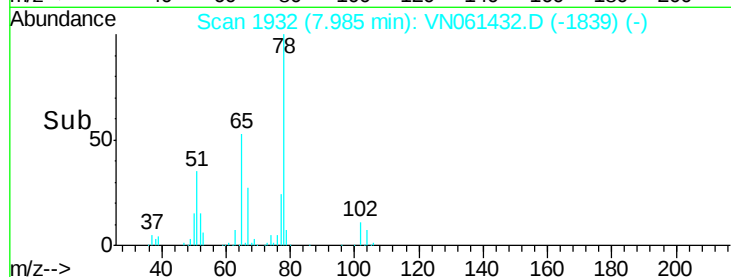
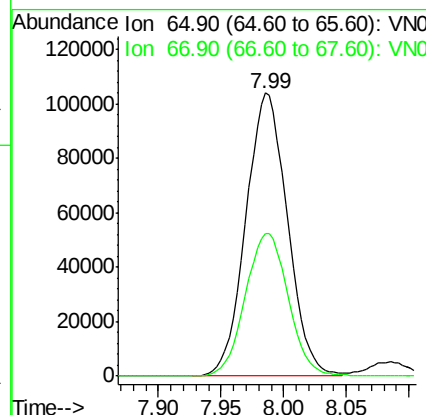
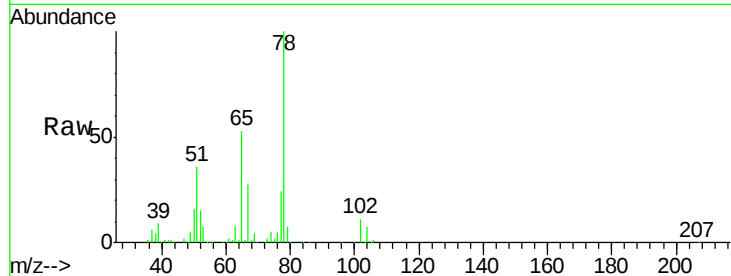
#33
 1,2-Dichloroethane-d4
 Concen: 48.309 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240370		
67	52.2	0.0	101.4	

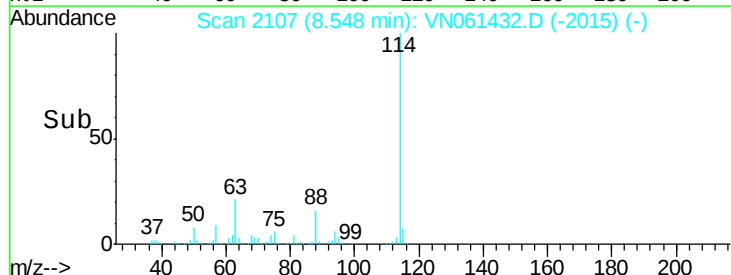
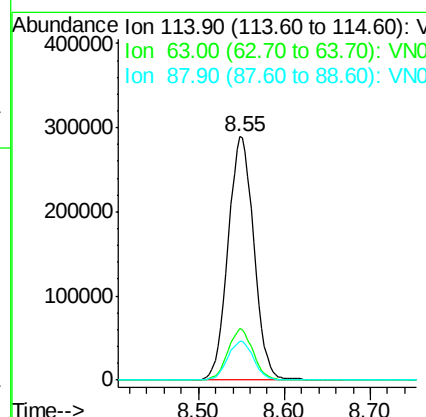
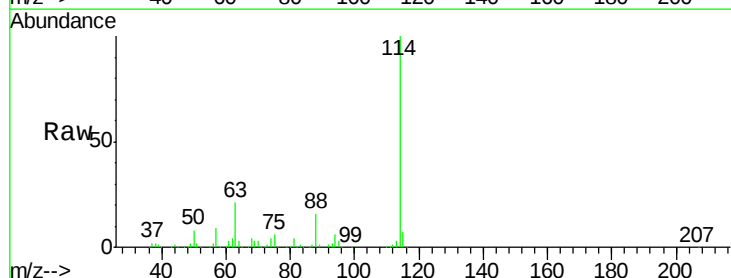
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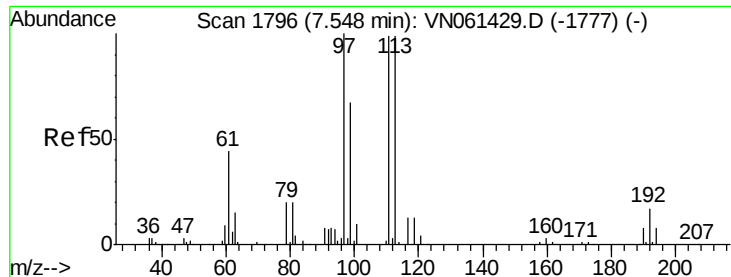
MMDadoda
 5/19/2020 4:25:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	603431		
63	21.0	0.0	40.8	
88	15.8	0.0	30.8	





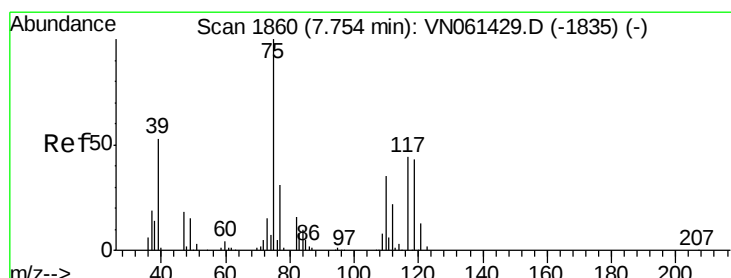
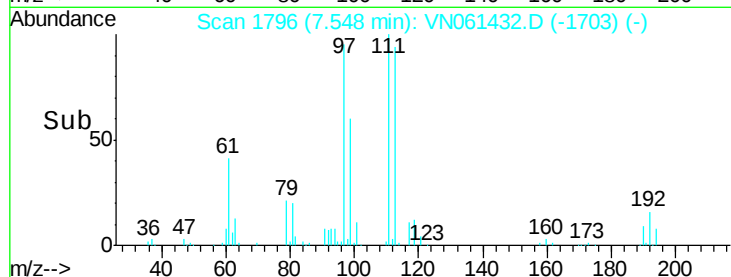
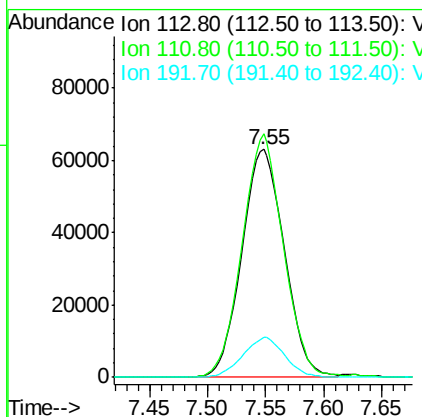
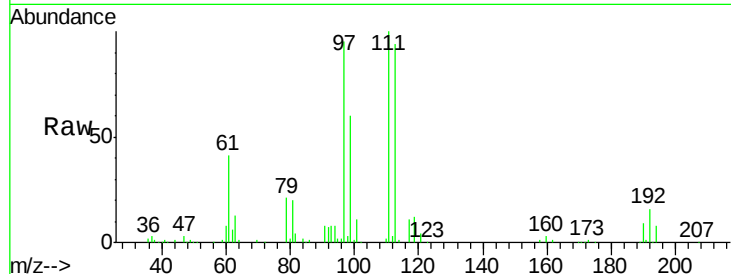
#35
 Dibromofluoromethane
 Concen: 50.938 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161027		
111	103.3	80.6	121.0	
192	17.3	13.2	19.8	

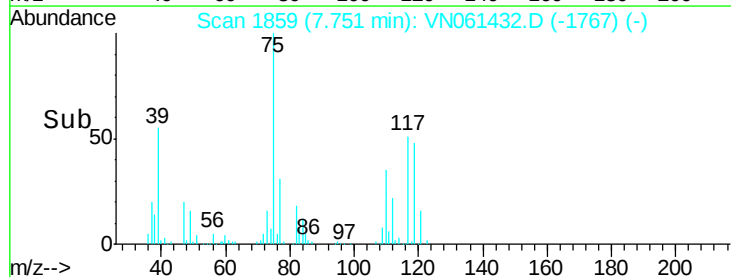
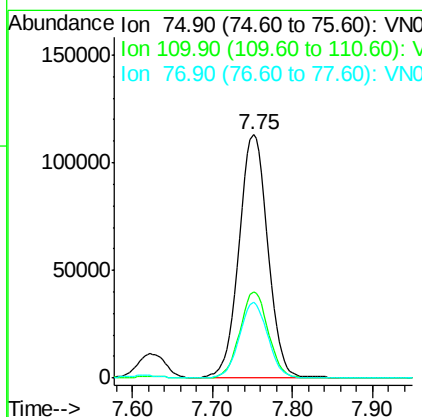
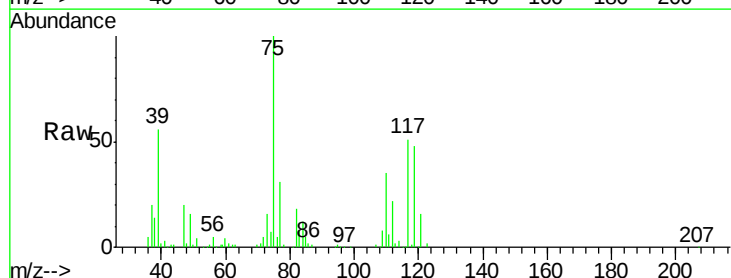
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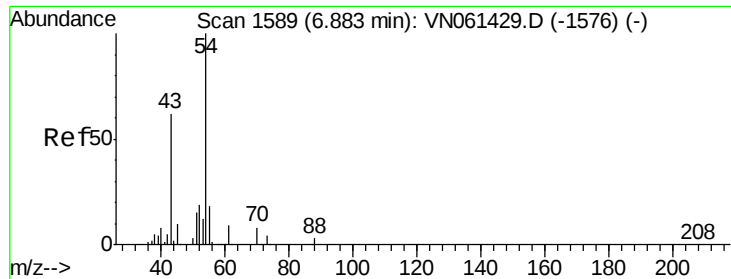
MMDadoda
 5/19/2020 4:25:45 PM



#36
 1,1-Dichloropropene
 Concen: 48.385 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	273009		
110	34.9	17.3	51.9	
77	30.6	24.9	37.3	





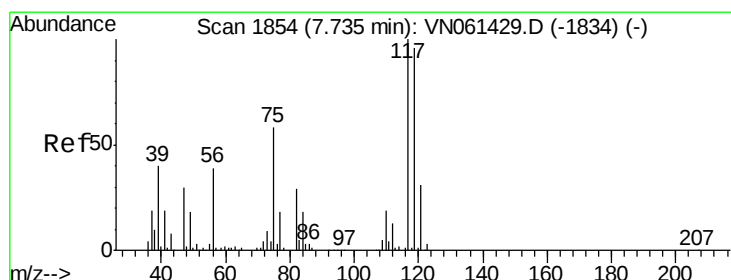
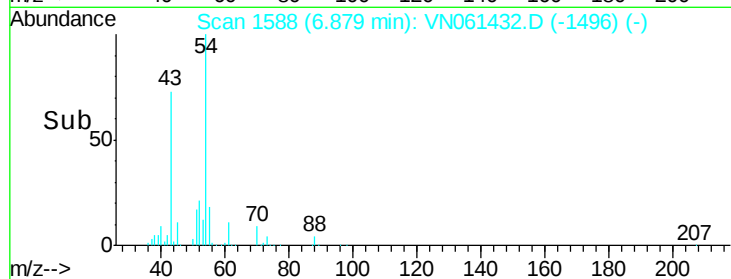
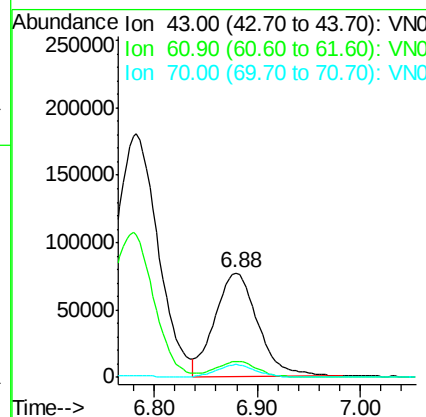
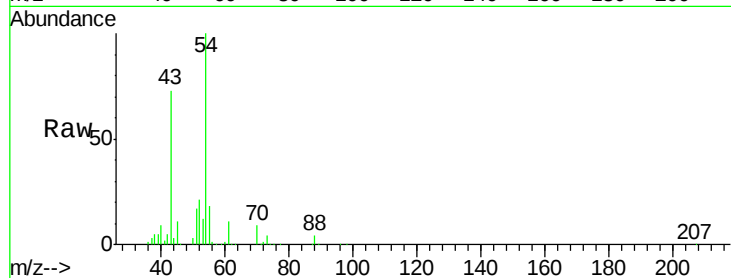
#37
Ethyl Acetate
Concen: 43.555 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.7	17.5
70	11.4	9.2	13.8

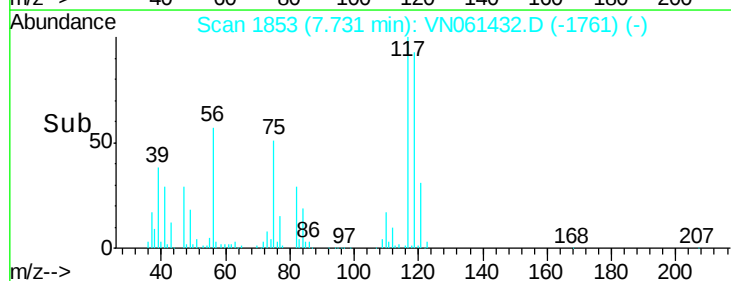
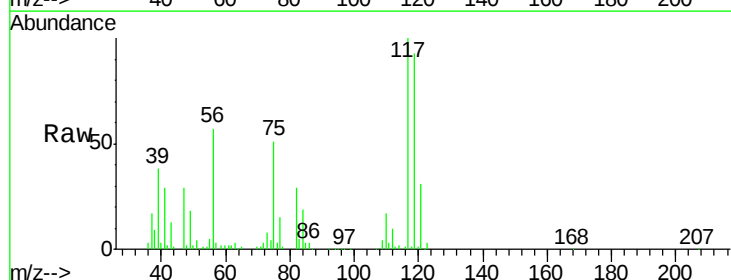
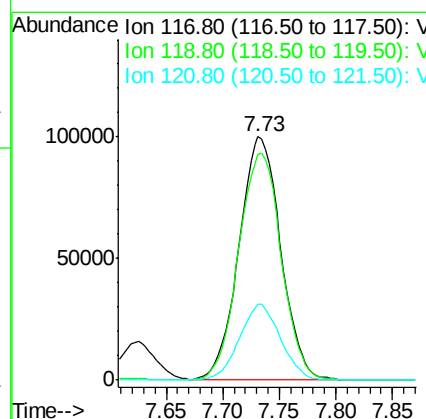
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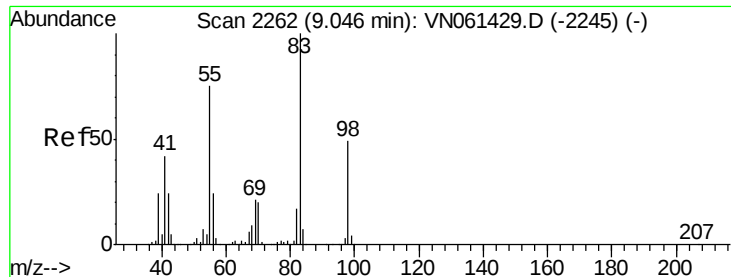
MMDadoda
5/19/2020 4:25:45 PM



#38
Carbon Tetrachloride
Concen: 49.163 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.0	115.6
121	31.3	24.7	37.1





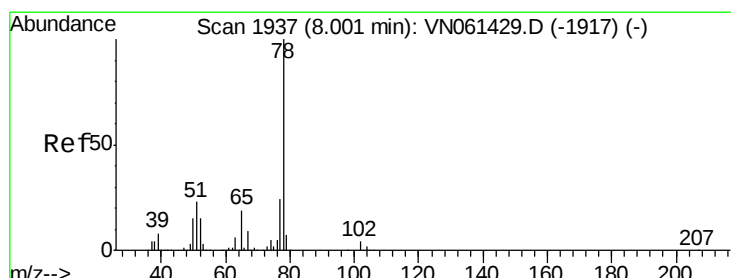
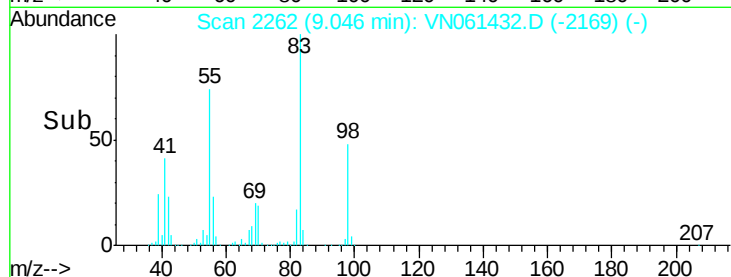
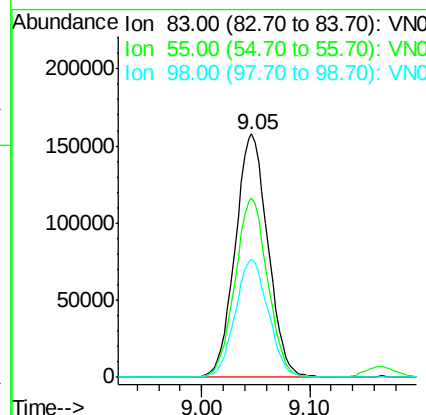
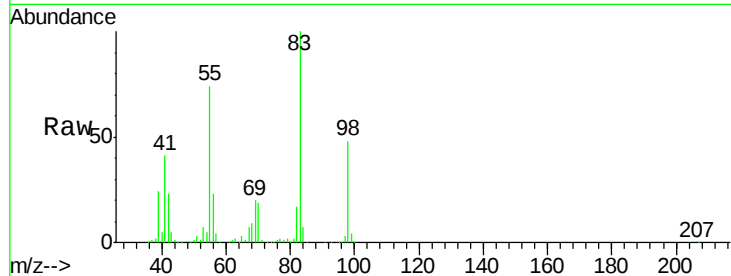
#39
Methvlcvclohexane
Concen: 48.327 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	59.7	89.5
98	48.4	38.9	58.3

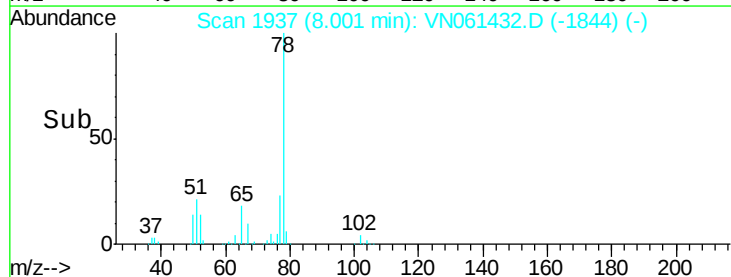
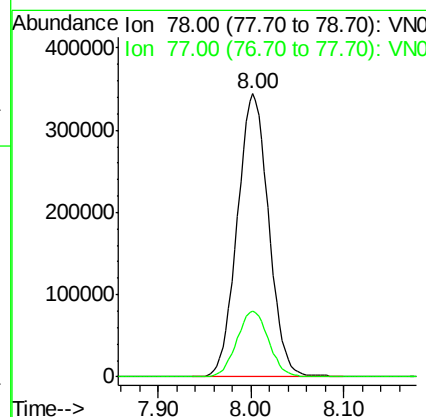
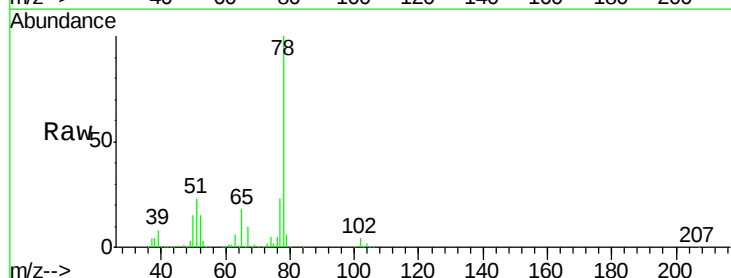
Manual Integrations
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#40
Benzene
Concen: 47.592 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





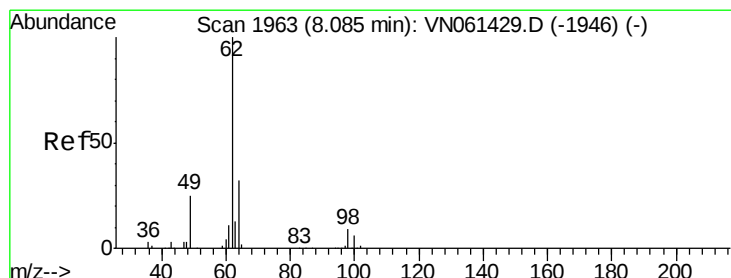
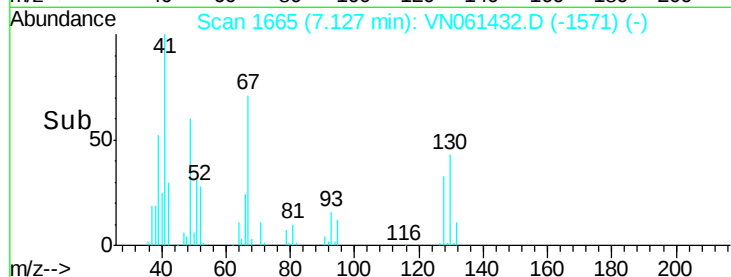
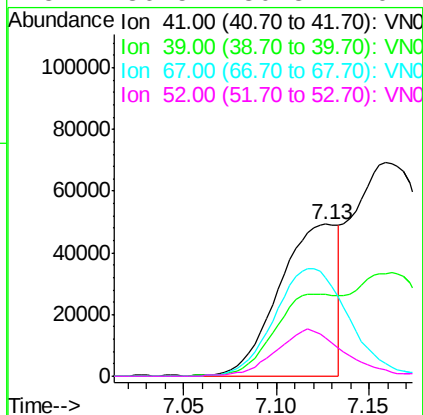
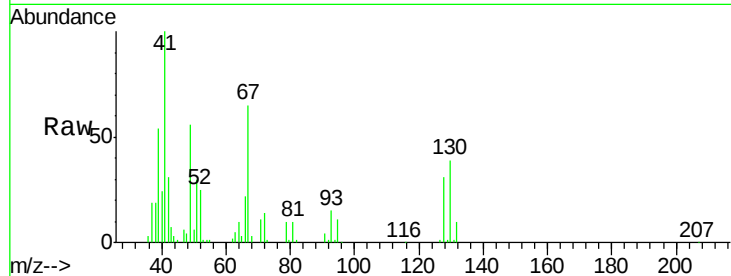
#41
Methacrylonitrile
Concen: 49.947 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	48.3	72.5	
67	90.5	74.2	111.4	
52	36.5	30.8	46.2	

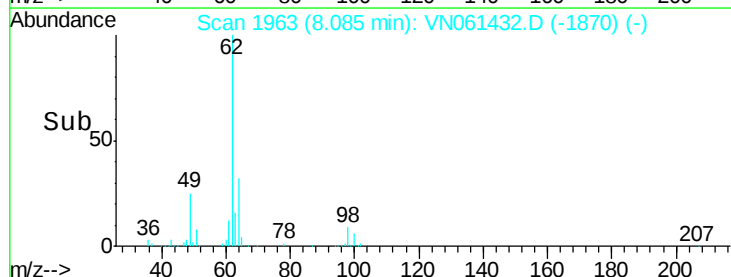
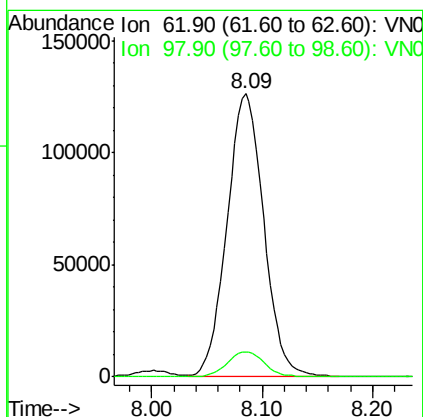
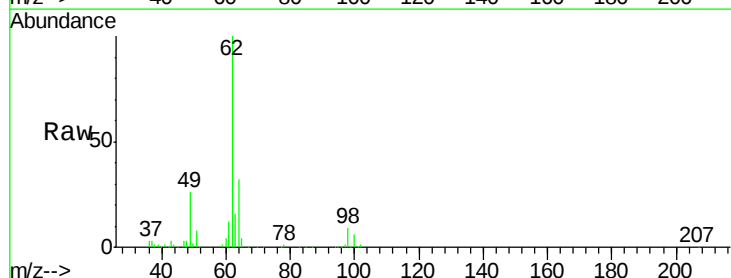
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 47.363 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

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





#43

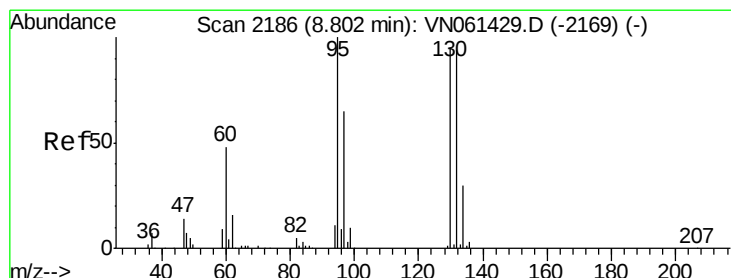
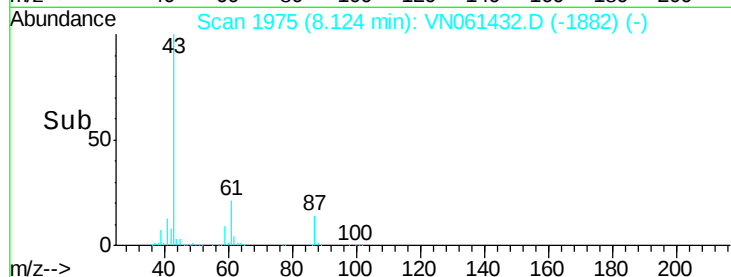
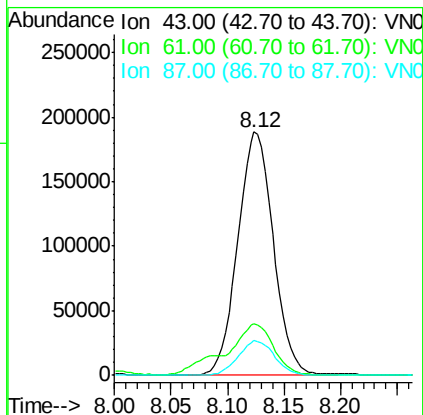
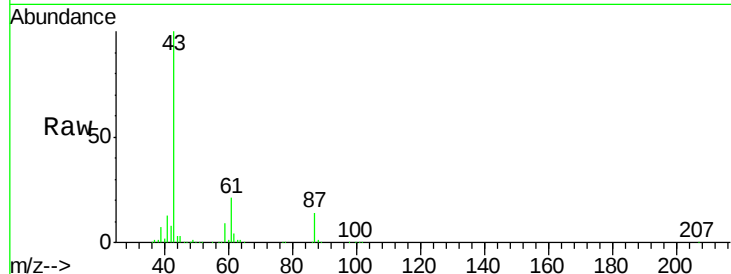
Isopropyl Acetate
 Concen: 46.145 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.0	34.4
87	14.5	11.6	17.4

Manual Integrations
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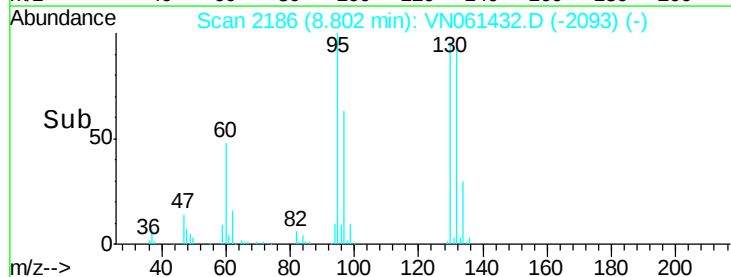
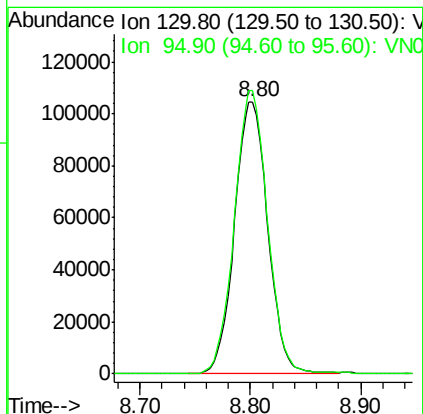
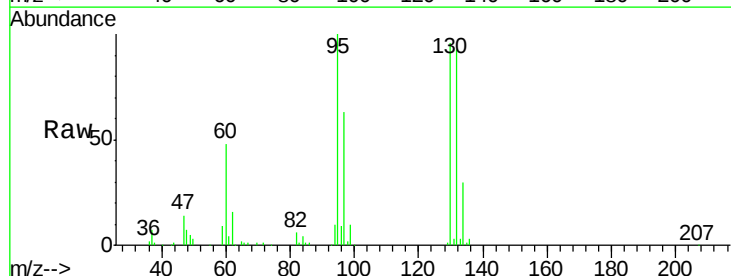
MMDadoda
 5/19/2020 4:25:45 PM

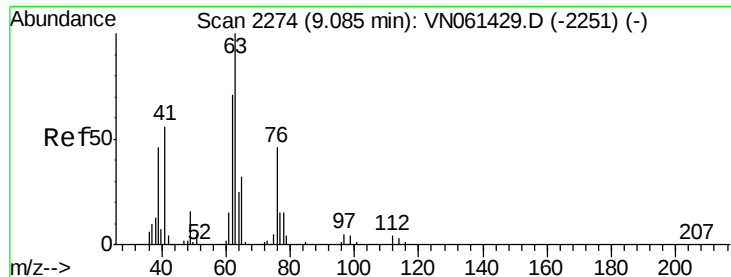


#44

Trichloroethene
 Concen: 49.024 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	209.8





#45

1,2-Dichloropropane

Concen: 47.566 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051820

Tot Ion: 63 Resp: 202446

Ion Ratio Lower Upper

63 100

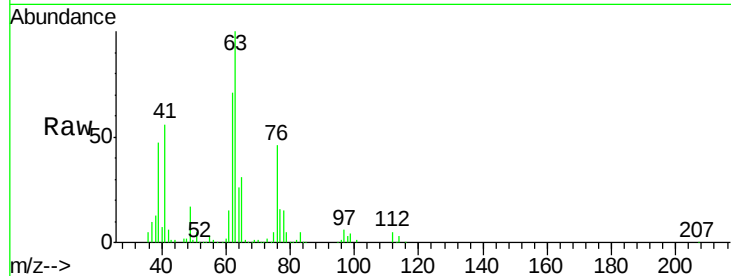
65 31.1 25.2 37.8

Manual Integrations

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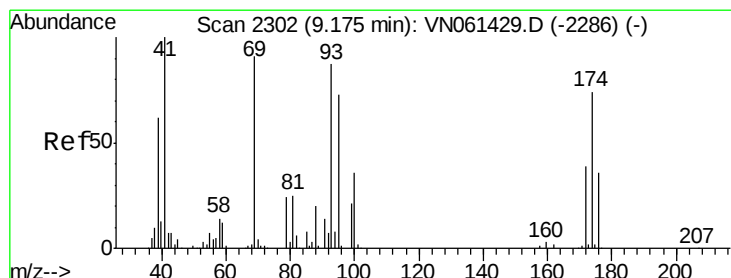
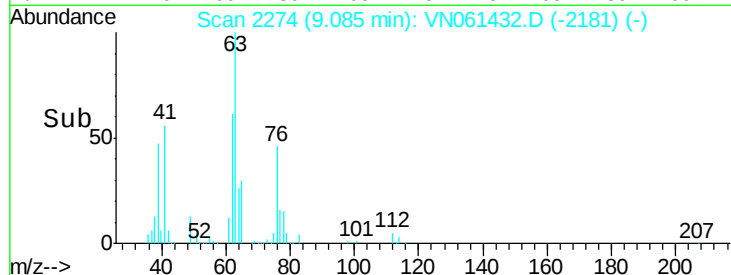
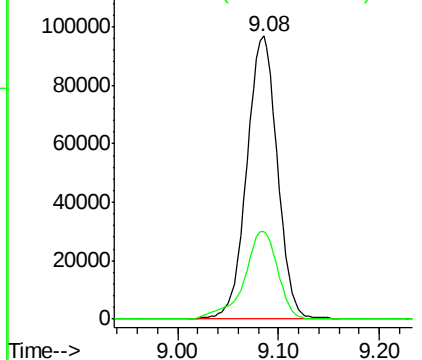
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 47.994 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

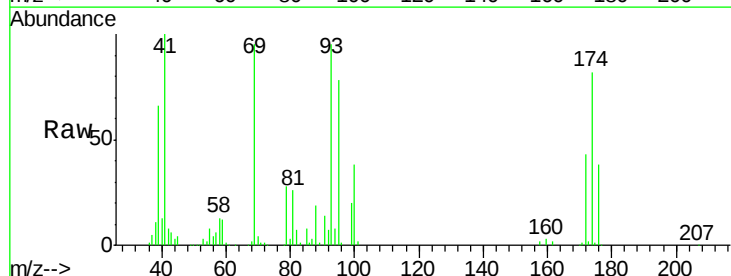
Tgt Ion: 93 Resp: 143197

Ion Ratio Lower Upper

93 100

95 81.2 65.6 98.4

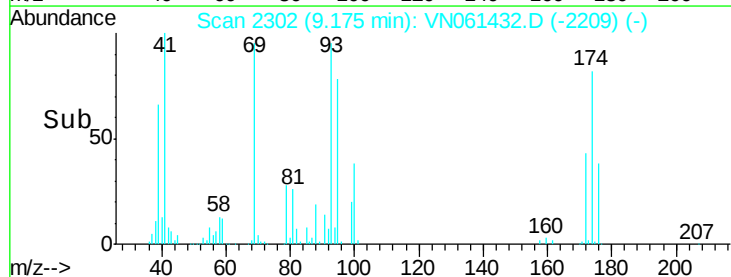
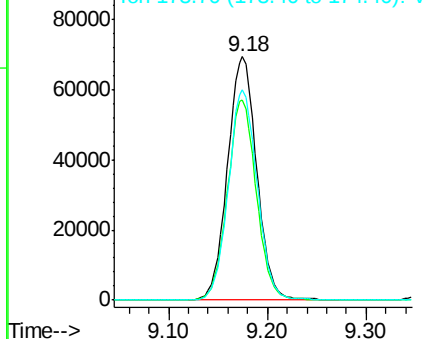
174 85.5 68.0 102.0

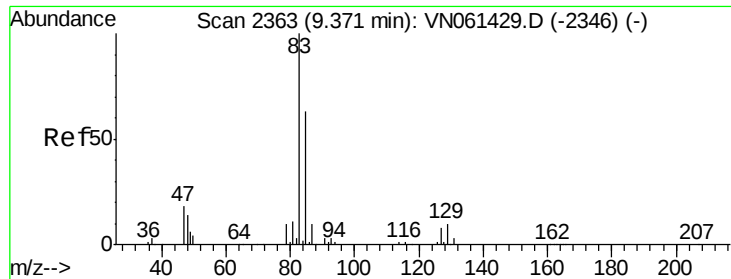


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 48.144 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

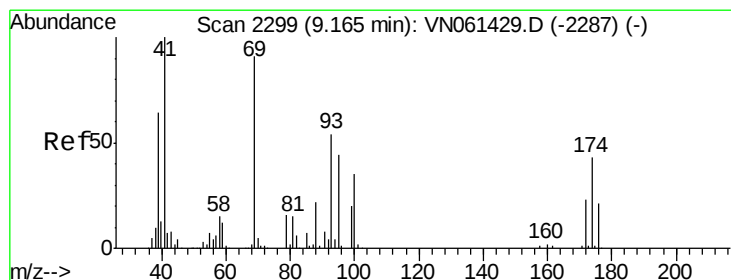
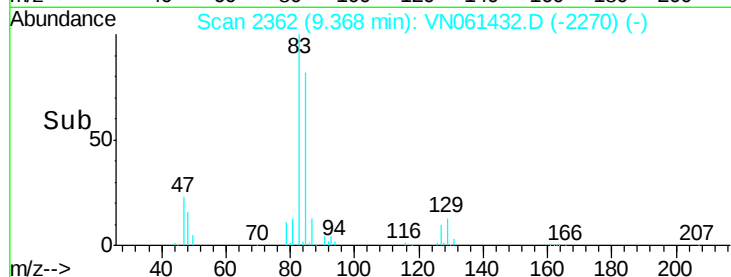
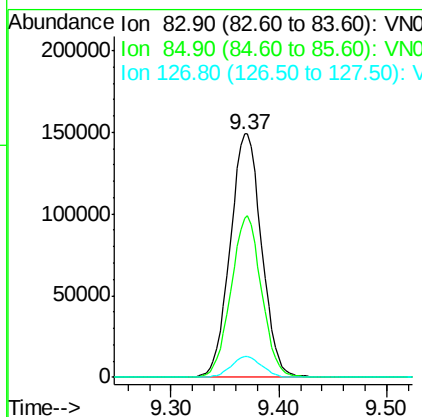
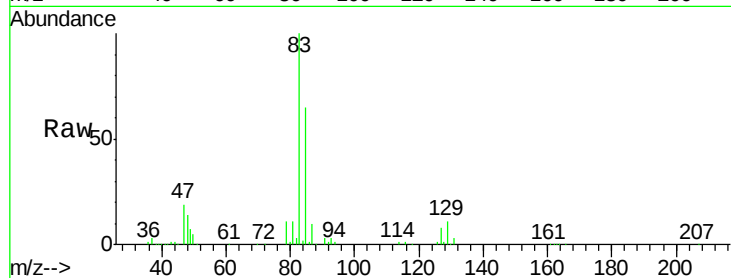
ClientSampleId :

ICVVN051820

Tot Ion:	83	Resp:	302651
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.6	76.0
127	8.3	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.055 ug/l

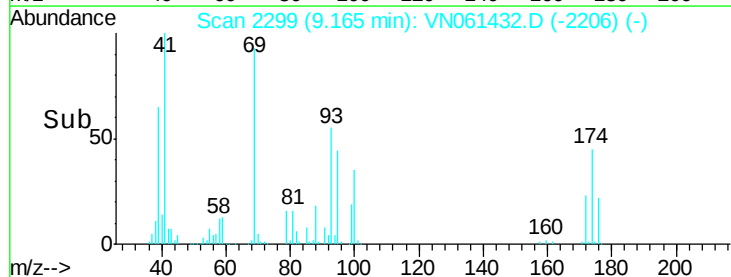
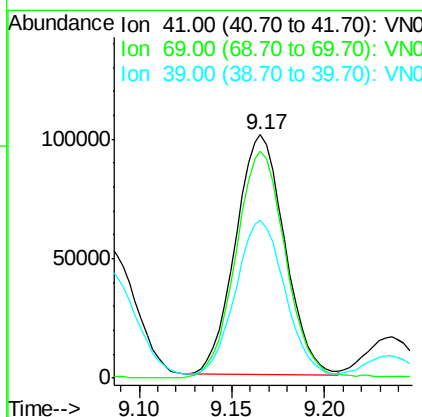
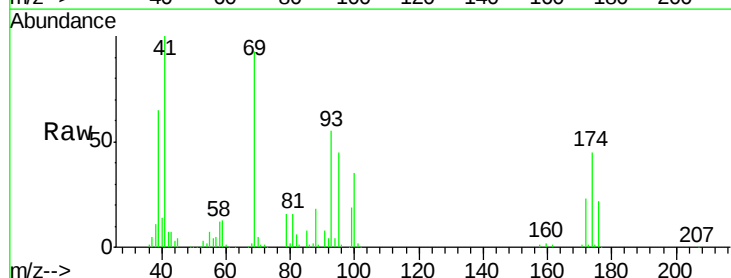
RT: 9.17 min Scan# 2299

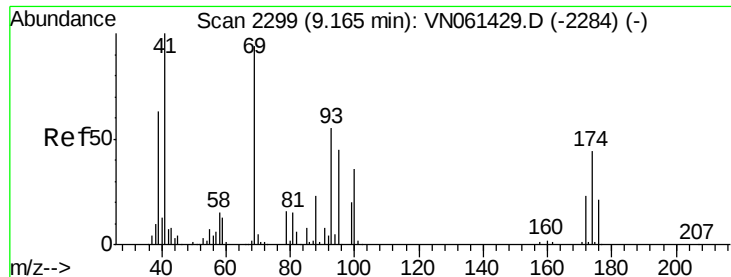
Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion:	41	Resp:	185753
Ion Ratio	Lower	Upper	
41	100		
69	95.9	75.3	112.9
39	67.2	52.6	79.0





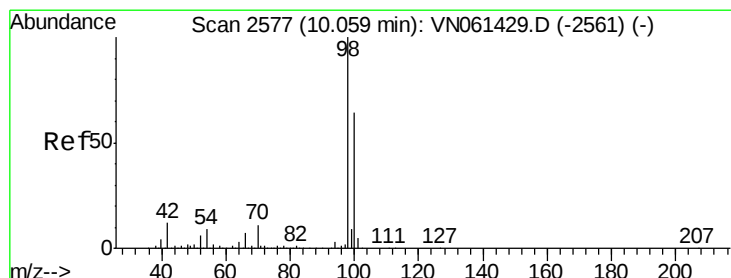
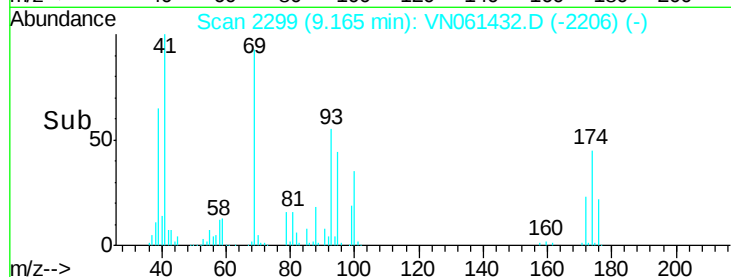
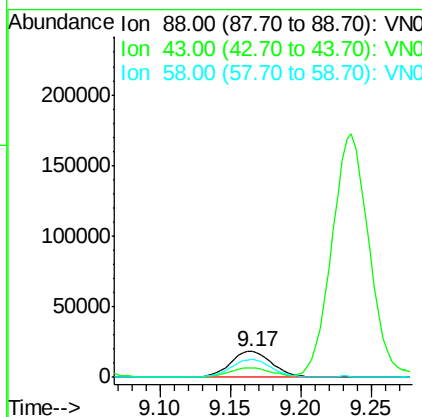
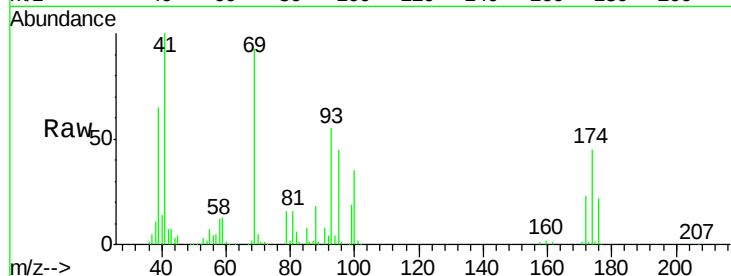
#49
1,4-Dioxane
Concen: 871.077 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	26.3	39.5
58	68.5	54.1	81.1

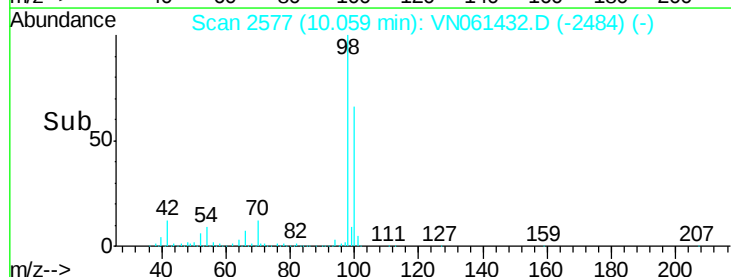
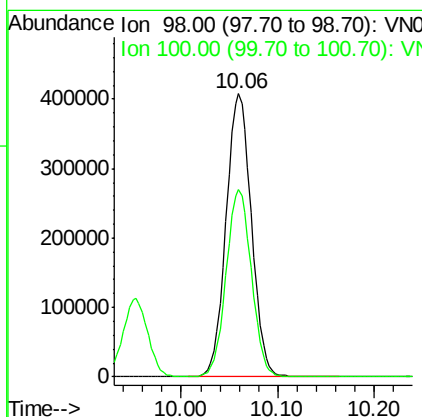
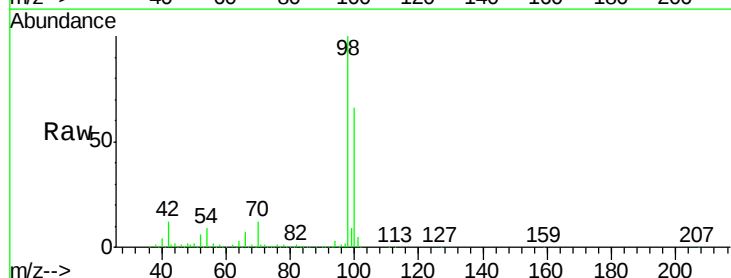
Manual Integrations
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#50
Toluene-d8
Concen: 50.713 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.8	77.8





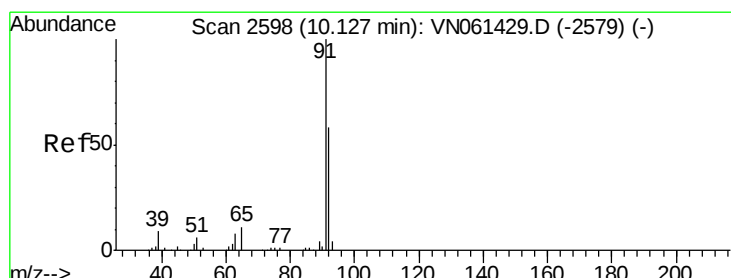
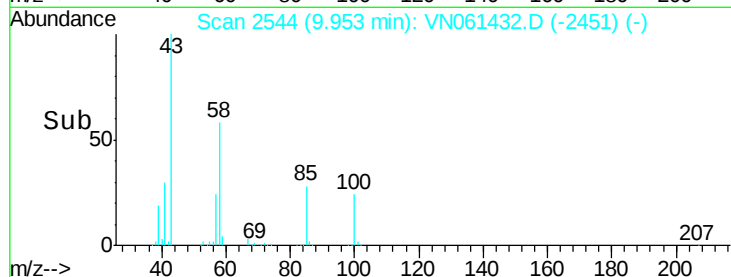
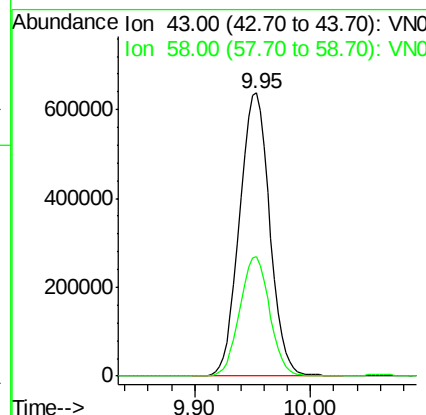
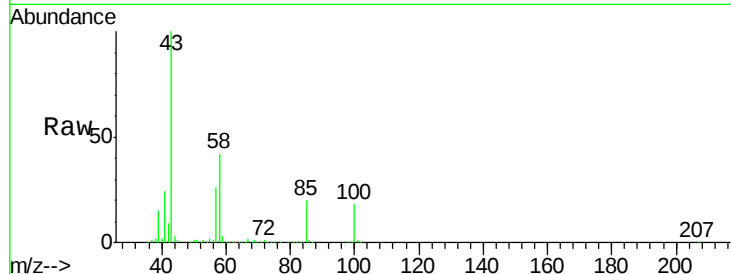
#51
4-Methyl-2-Pentanone
Concen: 237.037 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion: 43 Resp: 1152415
Ion Ratio Lower Upper
43 100
58 41.8 33.4 50.2

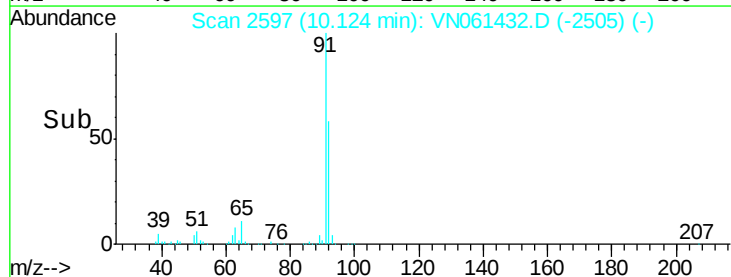
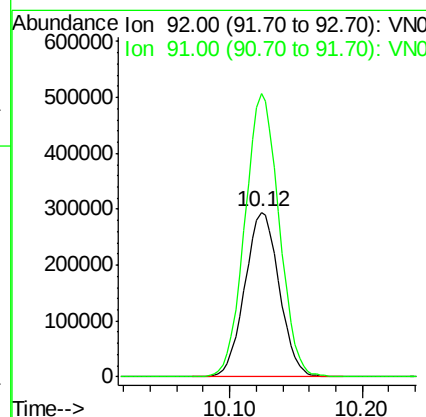
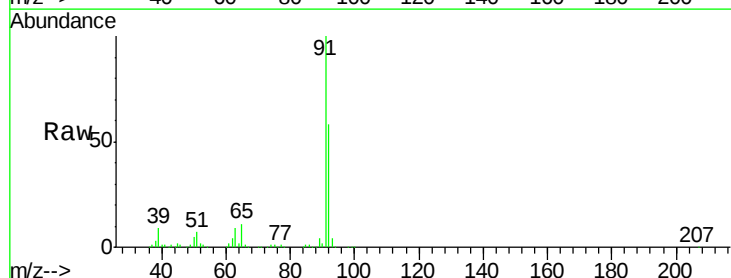
Manual Integrations
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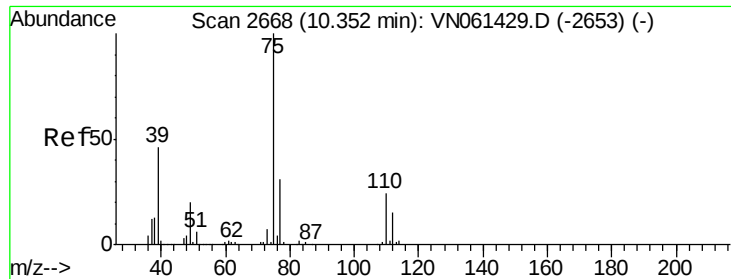
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#52
Toluene
Concen: 48.512 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 92 Resp: 529585
Ion Ratio Lower Upper
92 100
91 171.7 138.0 207.0





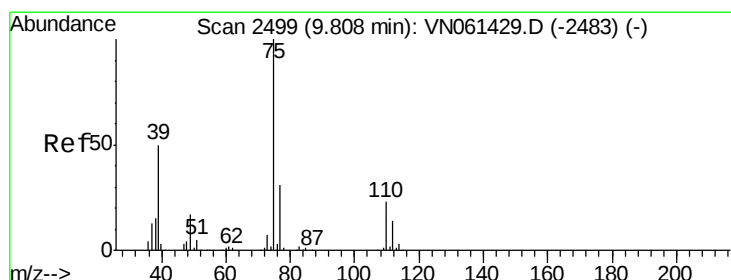
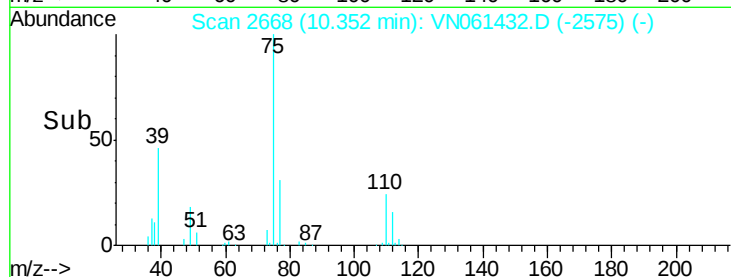
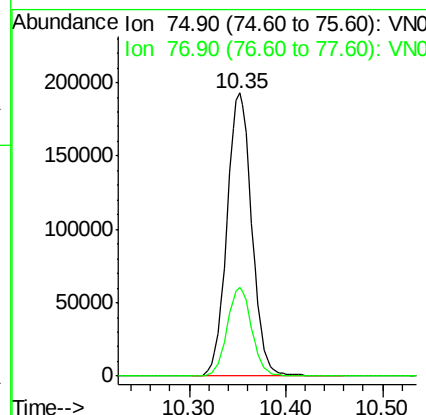
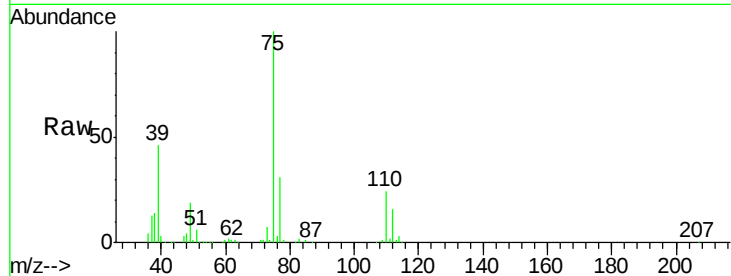
#53
t-1,3-Dichloropropene
Concen: 49.771 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

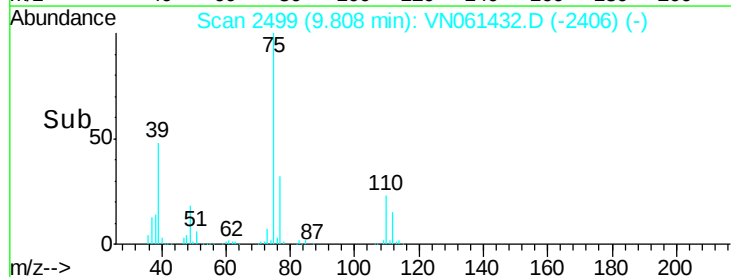
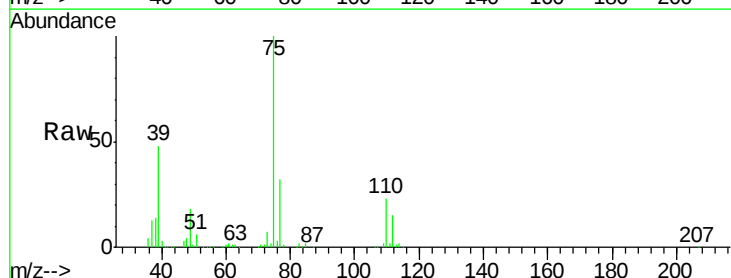
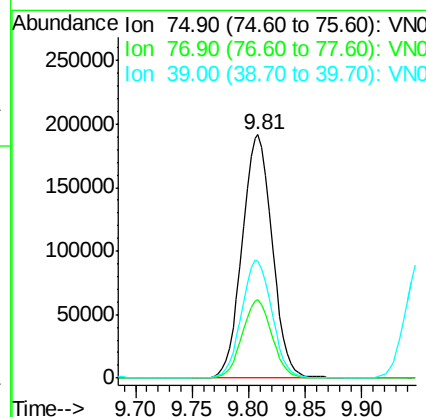
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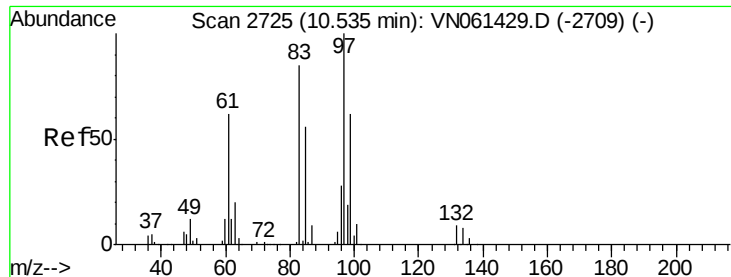
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#54
cis-1,3-Dichloropropene
Concen: 48.555 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	48.0	39.8	59.6





#55

1,1,2-Trichloroethane

Concen: 48.882 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

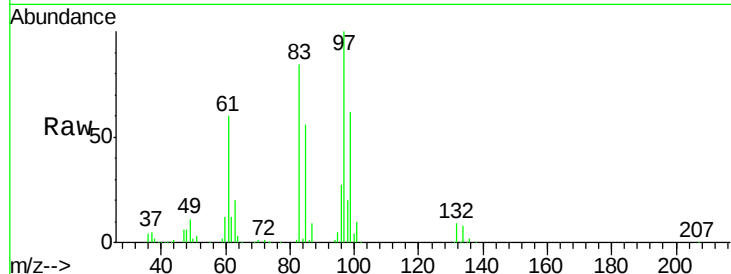
ClientSampleId :

ICVVN051820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		201748		
83	84.4	68.2	102.4		
85	55.6	44.6	67.0		
99	62.3	49.5	74.3		

Manual Integrations
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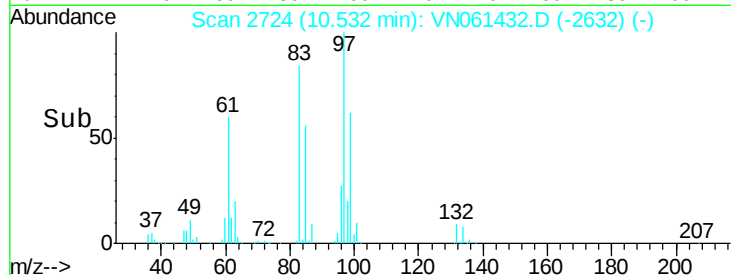
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

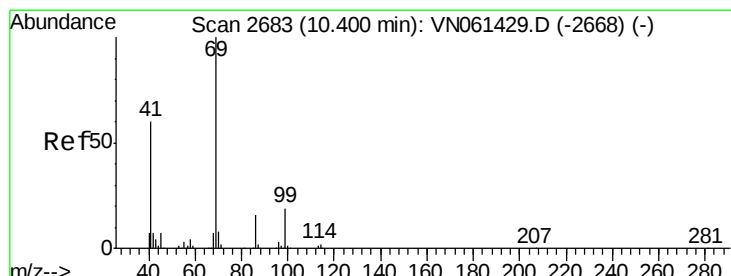
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 49.279 ug/l

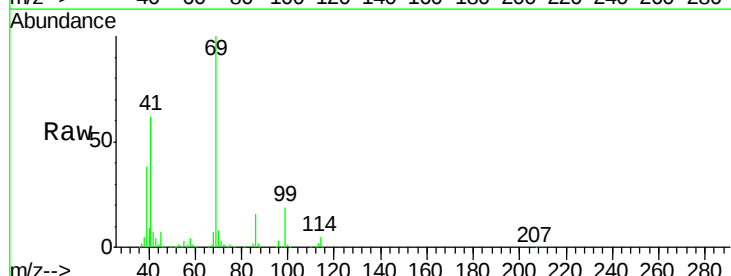
RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		317967		
41	60.5	48.3	72.5		
39	37.2	30.2	45.2		

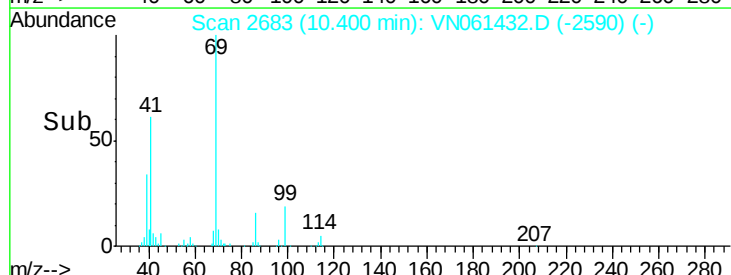


Abundance Ion 69.00 (68.70 to 69.70): VN0

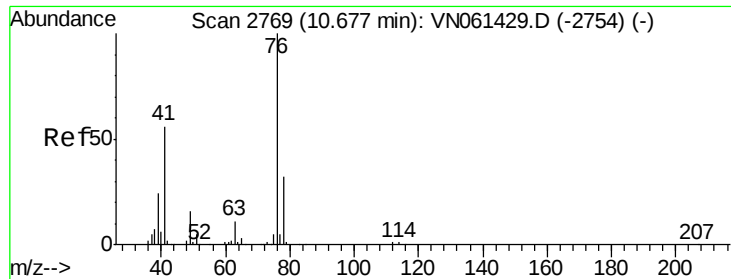
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->



Time-->



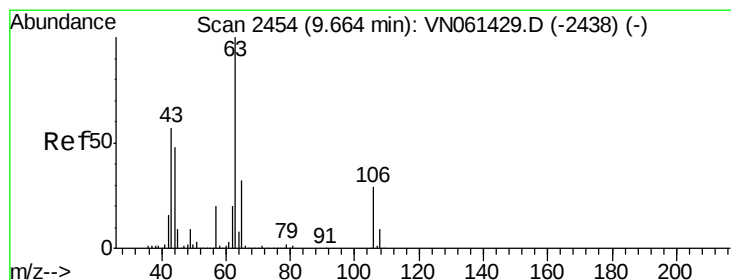
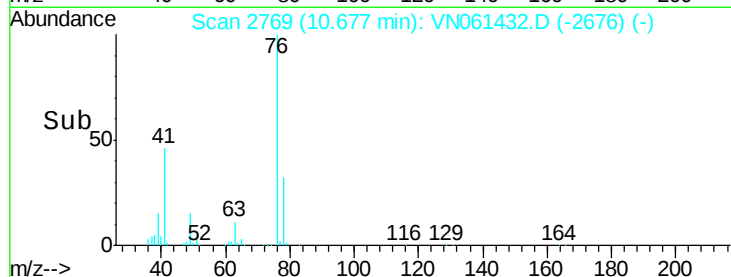
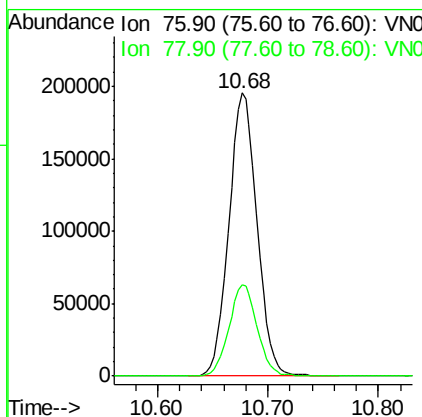
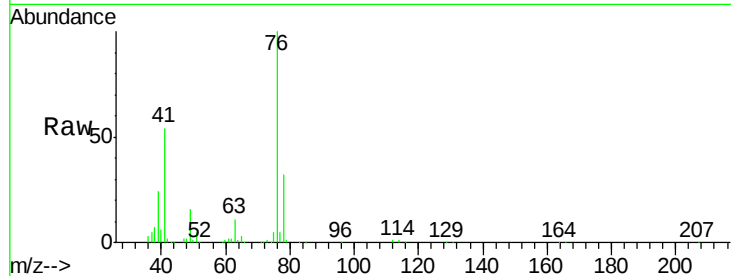
#57
 1,3-Dichloropropane
 Concen: 48.457 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

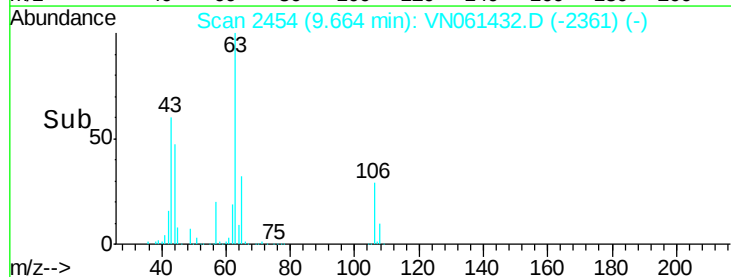
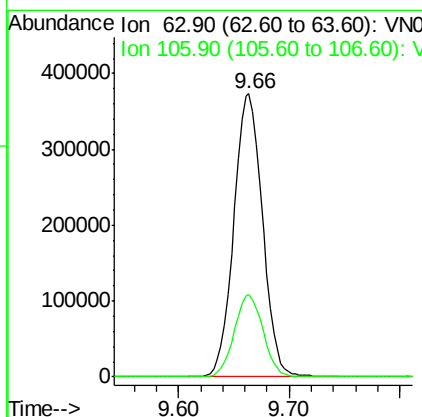
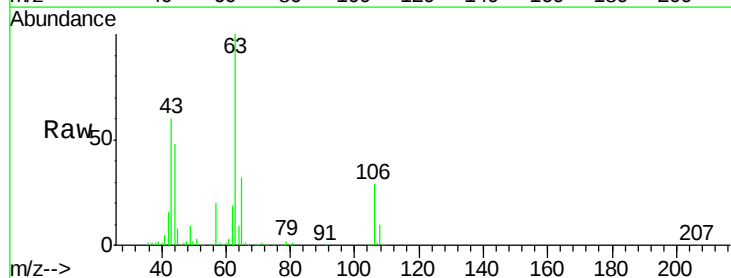
Manual Integrations
 APPROVED

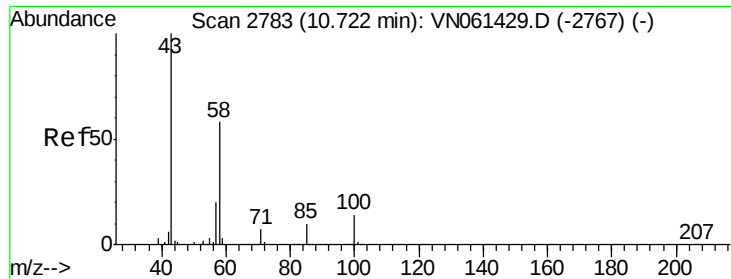
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#58
 2-Chloroethyl Vinyl ether
 Concen: 237.162 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.7	34.1





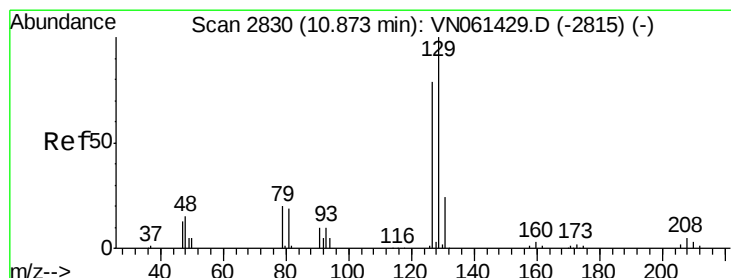
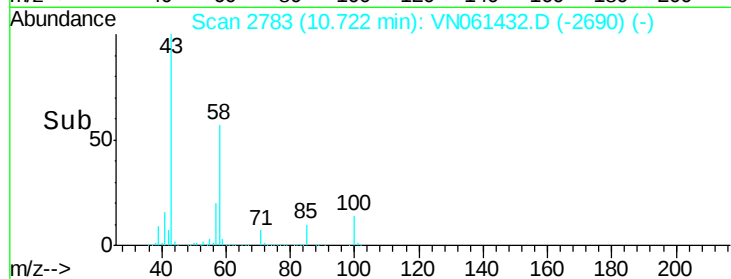
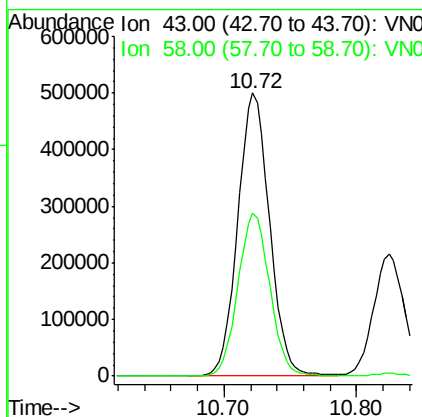
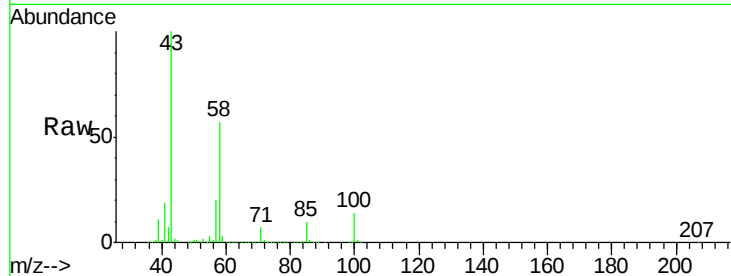
#59
2-Hexanone
Concen: 236.559 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	43	Resp	832078
Ion Ratio	100	Lower	Upper
43	100		
58	57.9	29.2	87.6

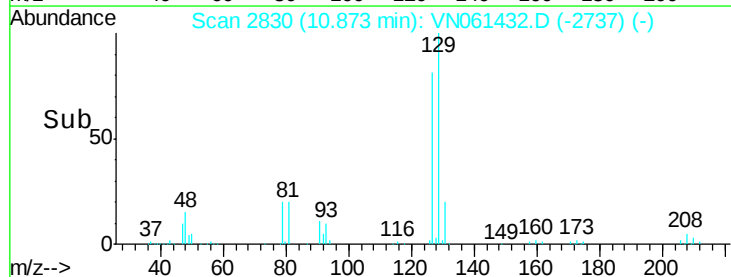
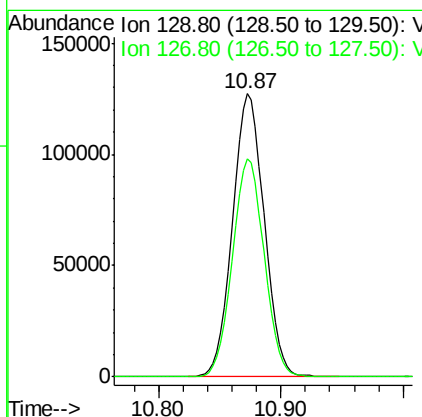
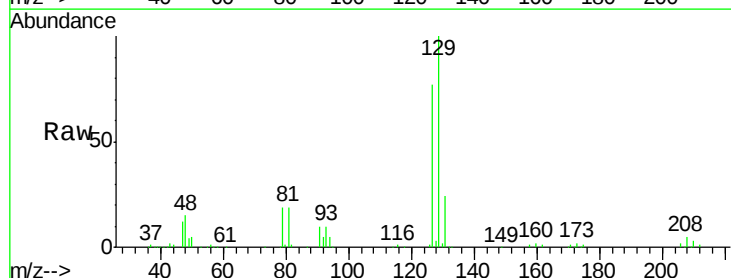
Manual Integrations
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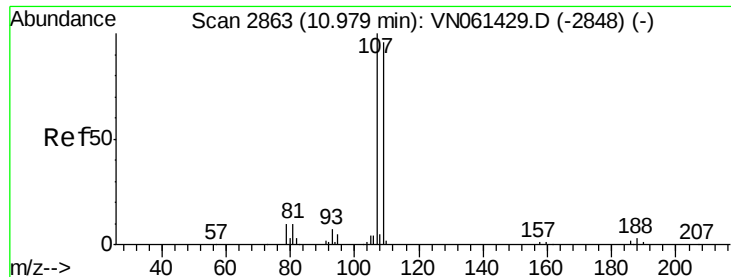
MMDadoda
5/19/2020 4:25:45 PM



#60
Dibromochloromethane
Concen: 50.242 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	129	Resp	229374
Ion Ratio	100	Lower	Upper
129	100		
127	77.2	38.8	116.3





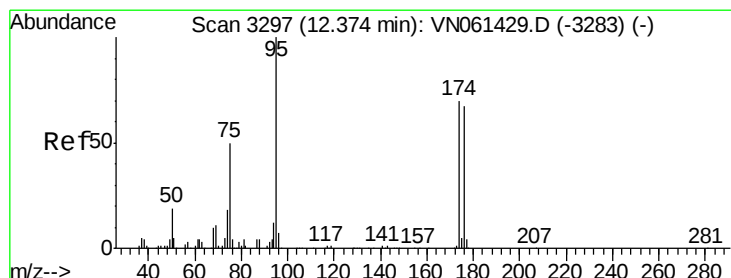
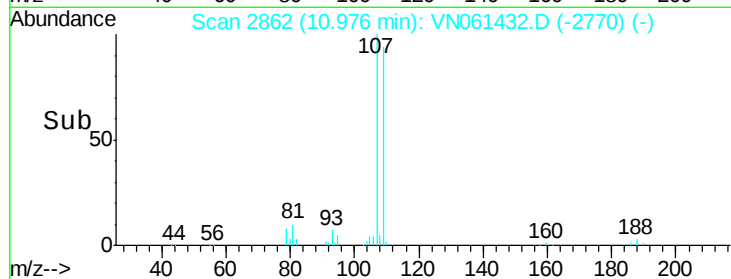
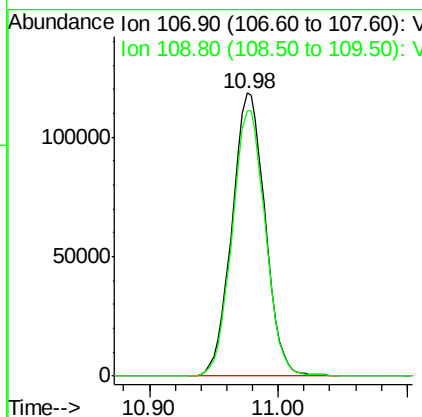
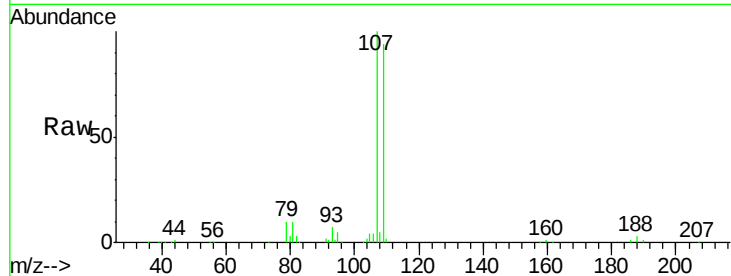
#61
 1,2-Dibromoethane
 Concen: 48.699 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Tot Ion	Ratio	Resp	Lower	Upper
107	100	211330		
109	94.2	75.7	113.5	

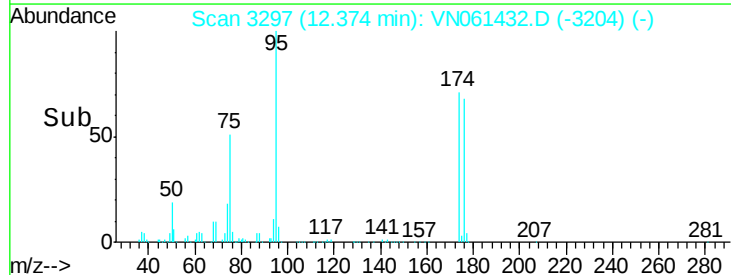
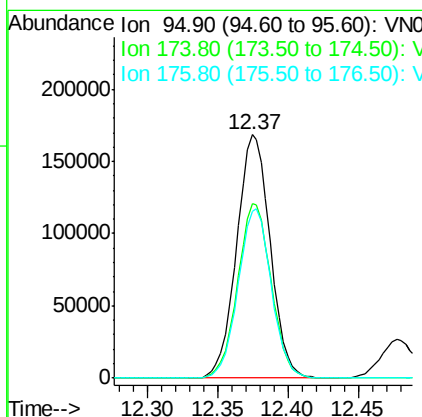
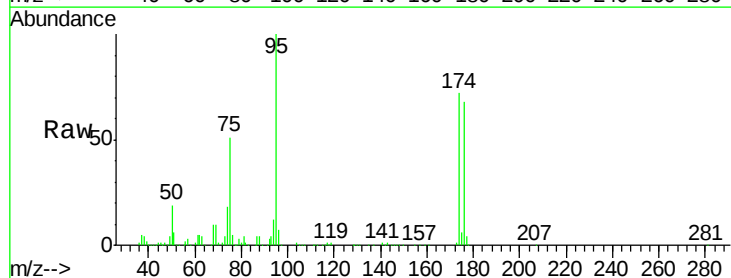
Manual Integrations
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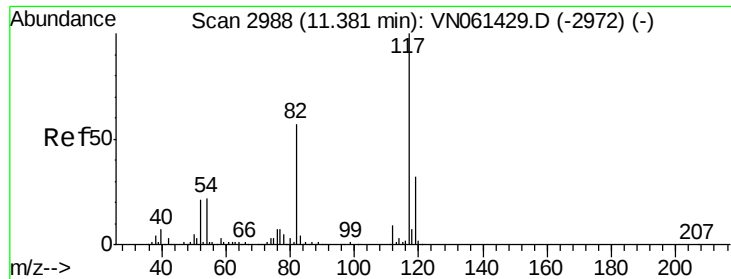
MMDadoda
 5/19/2020 4:25:45 PM



#62
 4-Bromofluorobenzene
 Concen: 51.290 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	280966		
174	71.7	0.0	141.2	
176	68.7	0.0	137.6	





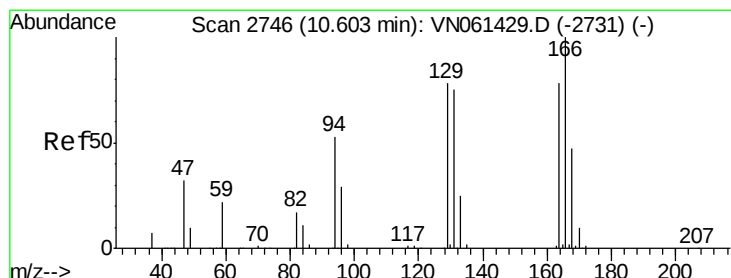
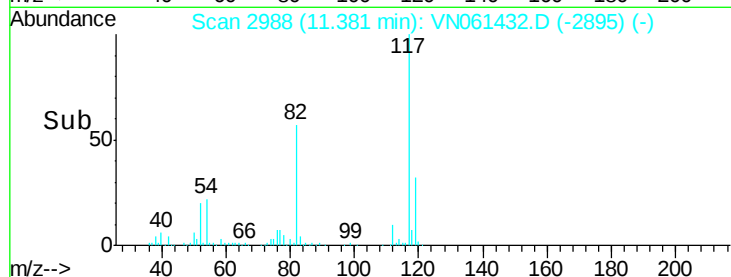
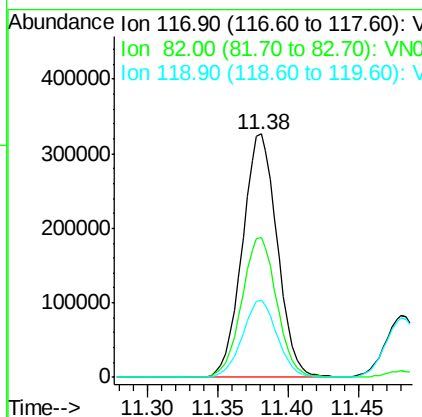
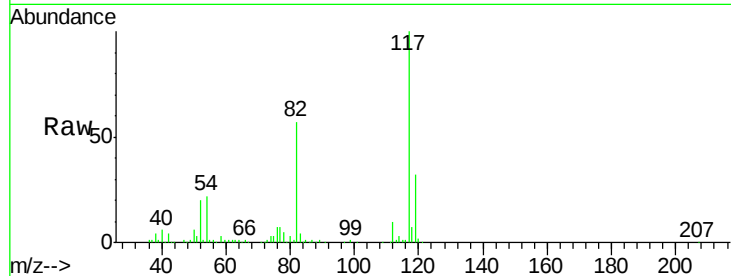
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Resp	Lower	Upper
117	100	566280		
82	57.3		45.2	67.8
119	31.8		25.3	37.9

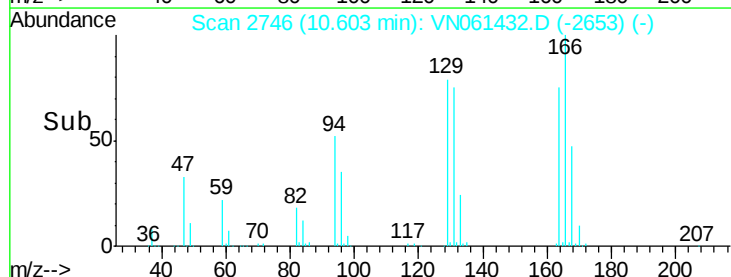
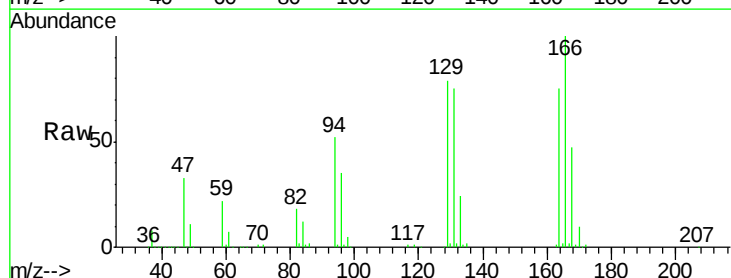
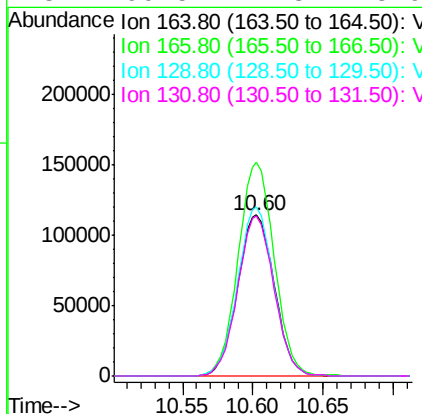
Manual Integrations
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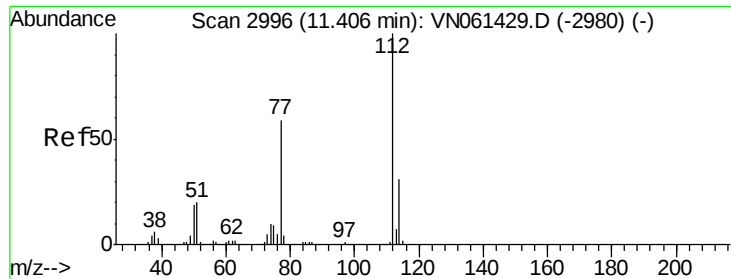
MMDadoda
5/19/2020 4:25:45 PM



#64
Tetrachloroethene
Concen: 47.707 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209006		
166	132.6		103.2	154.8
129	105.1		81.0	121.4
131	99.5		77.3	115.9





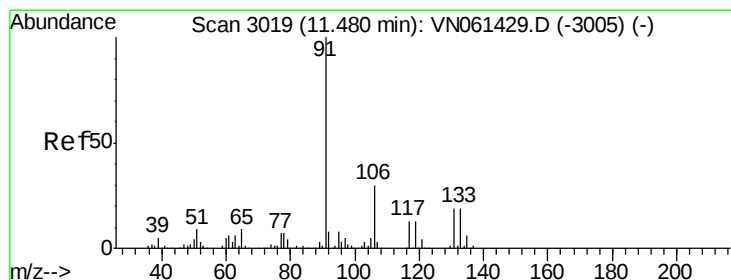
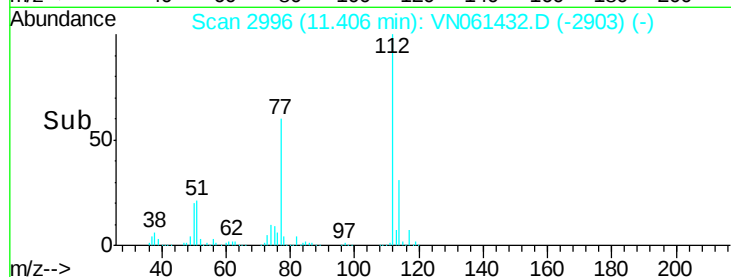
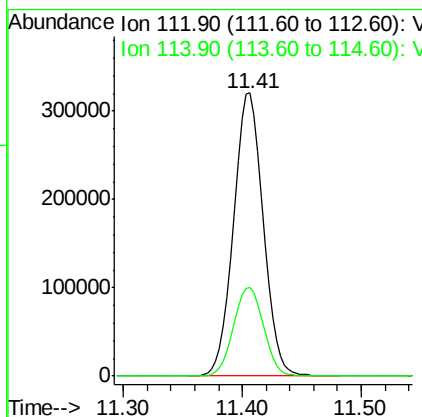
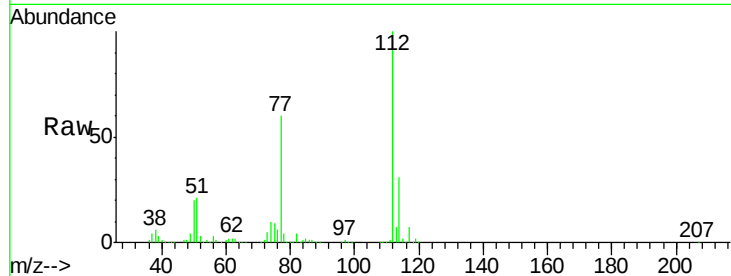
#65
Chlorobenzene
Concen: 47.973 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Resp	Lower	Upper
112	100	553976		
114	31.4	25.0	37.6	

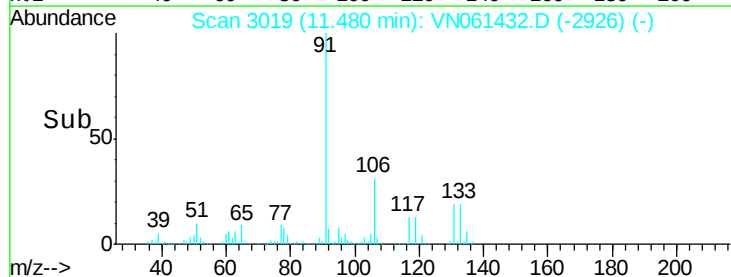
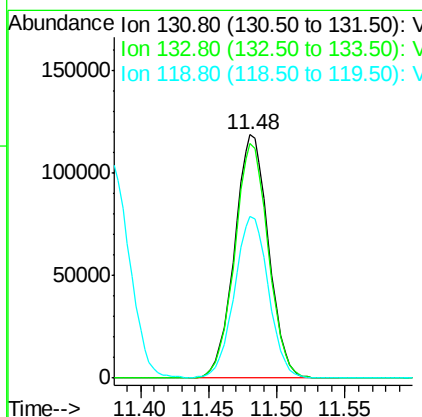
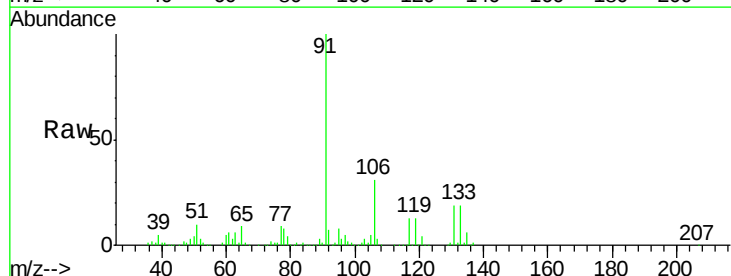
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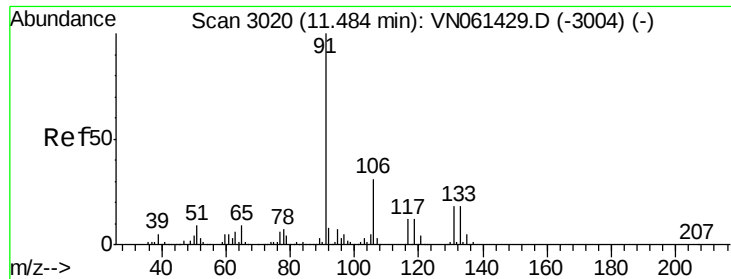
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.464 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	204774		
133	95.5	48.7	146.1	
119	66.7	33.8	101.3	





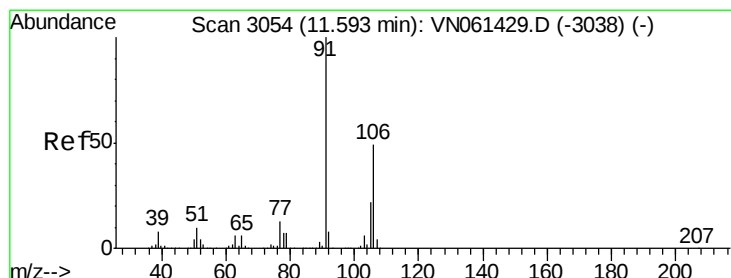
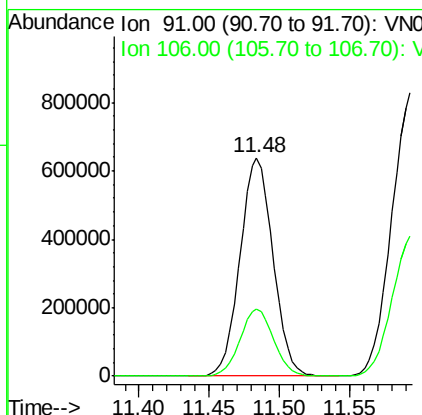
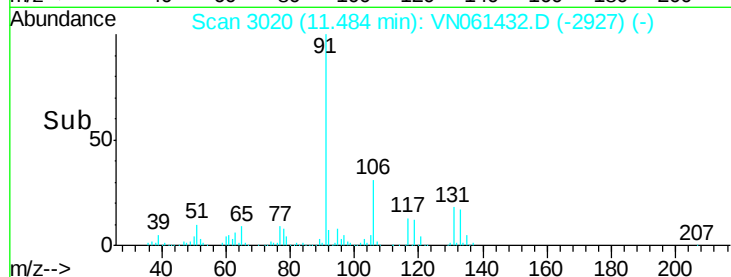
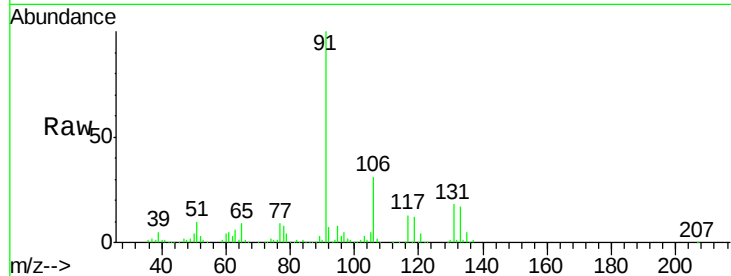
#67
Ethyl Benzene
Concen: 49.664 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion: 91 Resp: 1046873
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

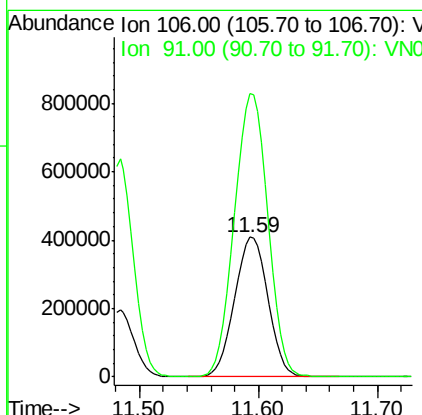
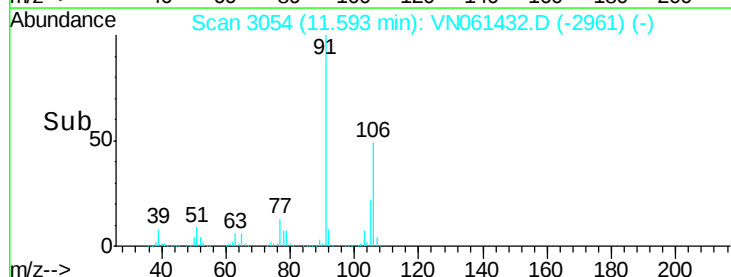
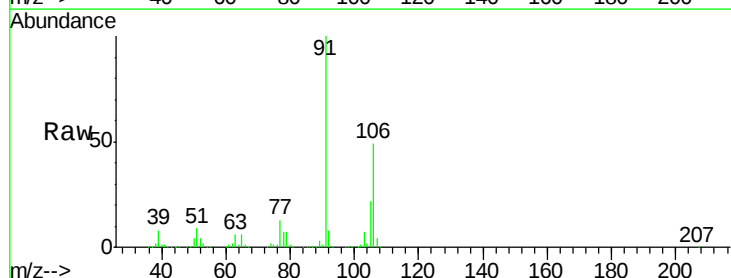
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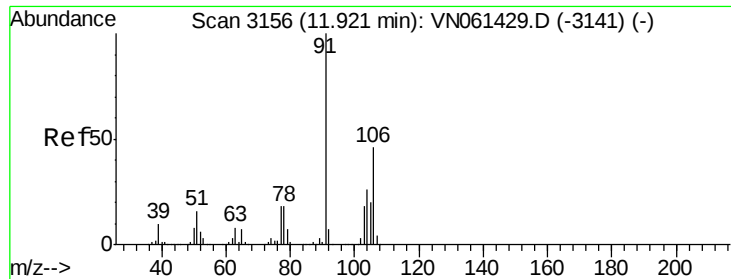
MMDadoda
5/19/2020 4:25:45 PM



#68
m/p-Xylenes
Concen: 99.157 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion: 106 Resp: 793364
Ion Ratio Lower Upper
106 100
91 204.0 163.0 244.6





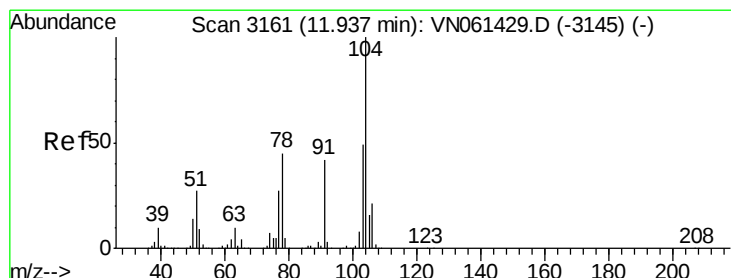
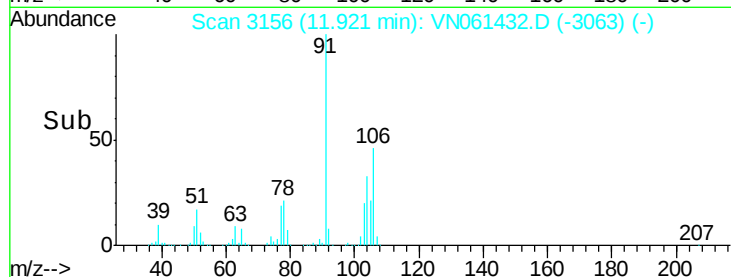
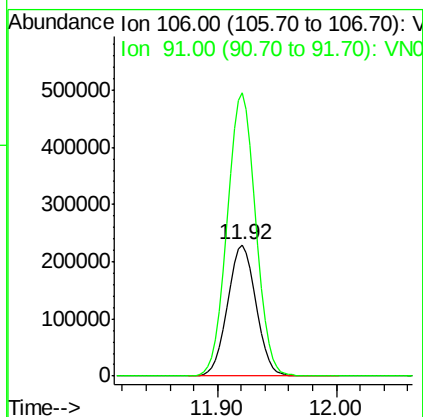
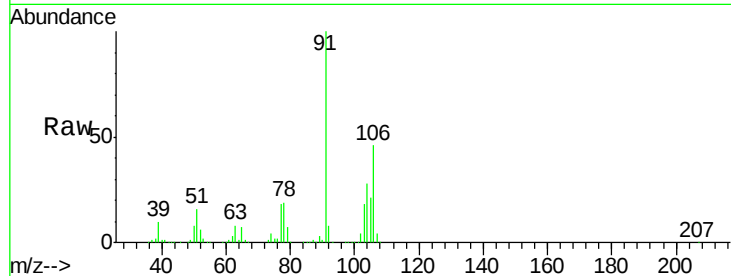
#69
o-Xylene
Concen: 49.148 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ion	Ratio	Lower	Upper
380541	106	100		
	91	215.1	107.9	323.7

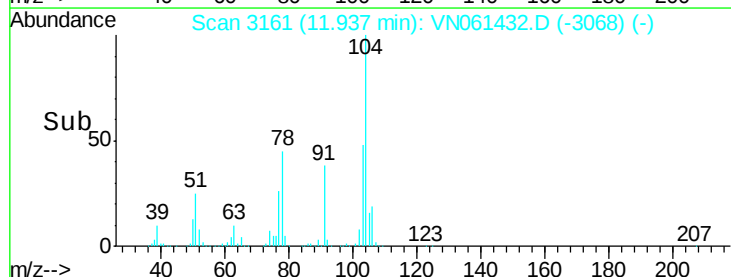
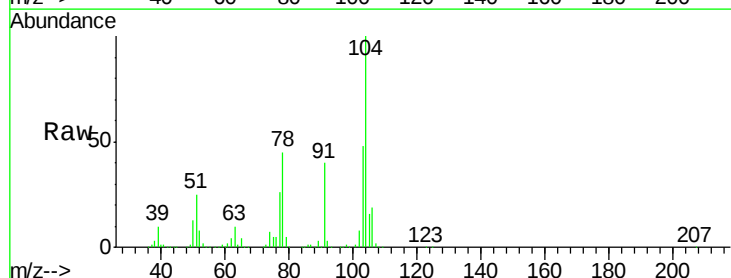
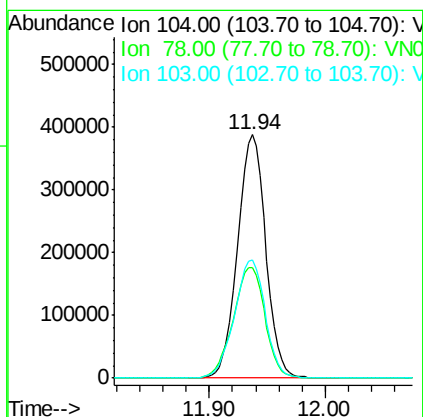
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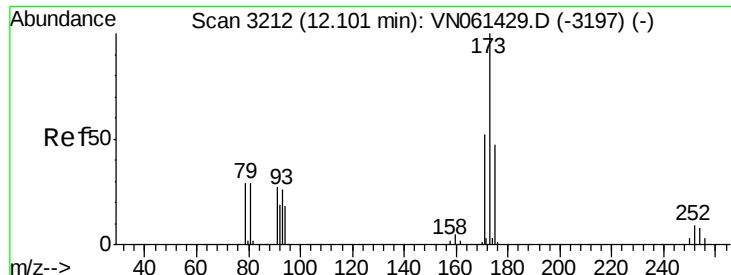
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#70
Styrene
Concen: 50.987 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ion	Ratio	Lower	Upper
653743	104	100		
	78	51.3	40.7	61.1
	103	53.1	43.0	64.4





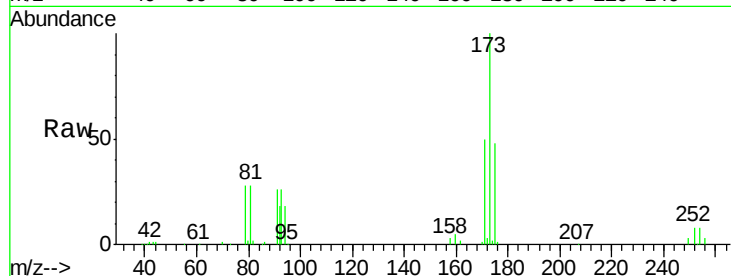
#71
Bromoform
Concen: 46.485 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

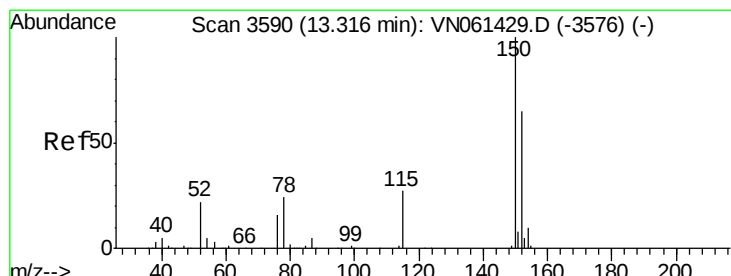
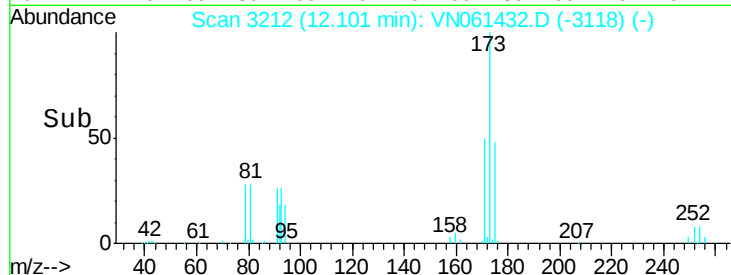
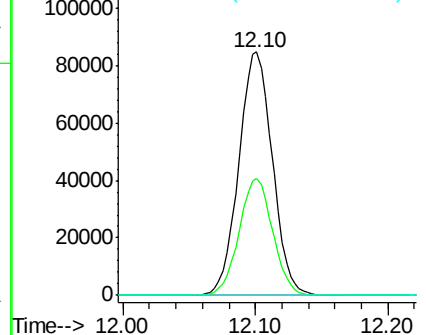
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.9	71.8
254	0.0	0.0	0.0

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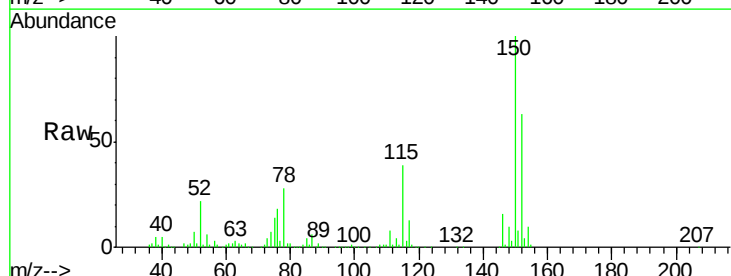


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

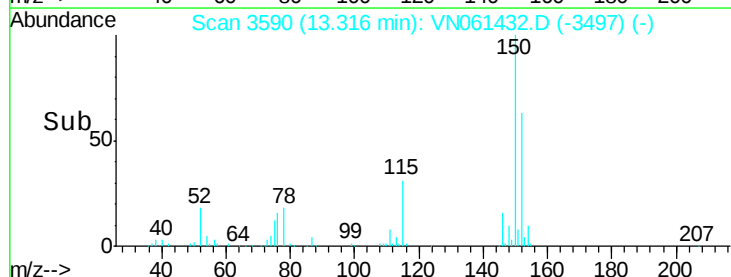
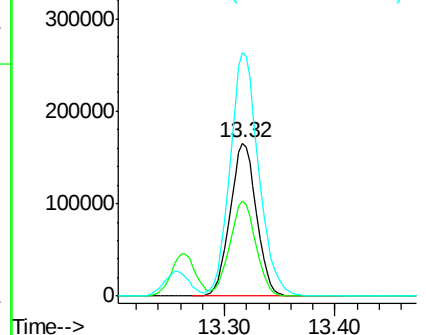


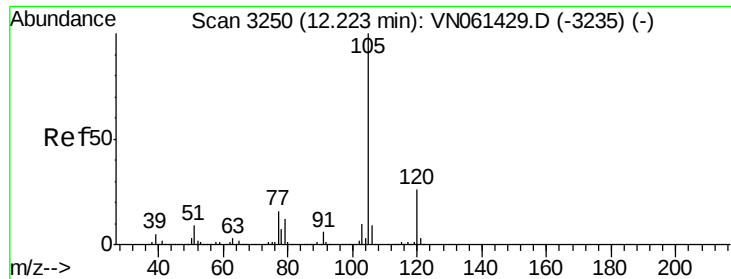
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.9	92.5
150	173.2	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.123 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051820

Tot Ion:105 Resp: 1032905

Ion Ratio Lower Upper

105 100

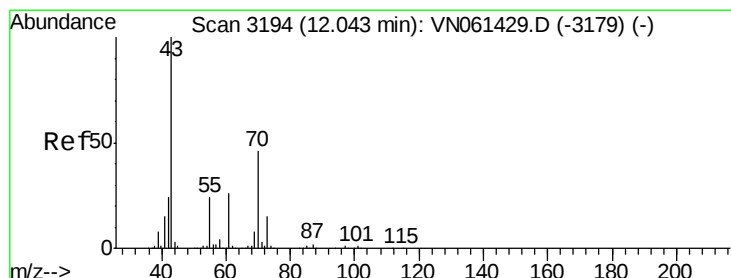
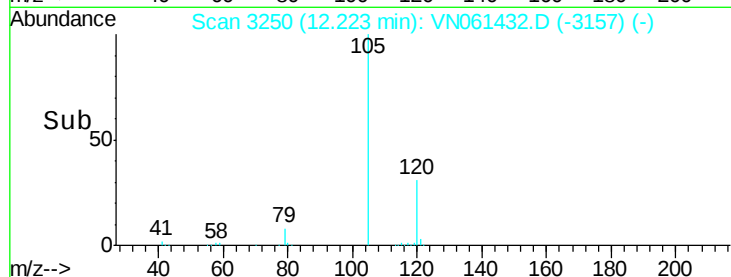
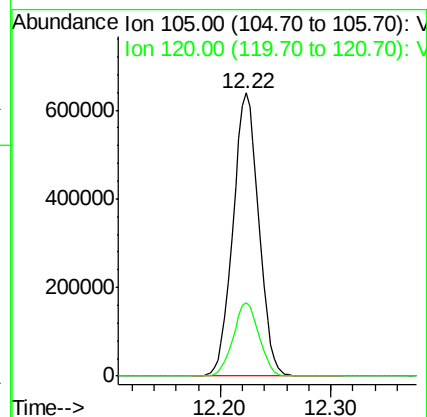
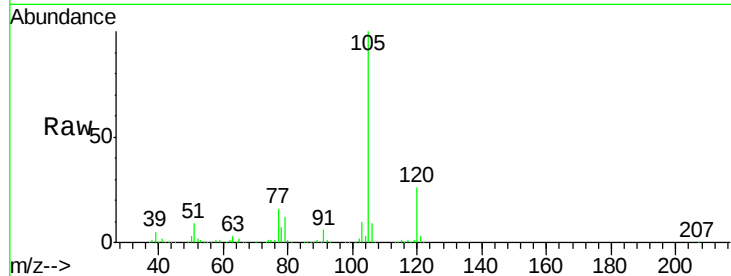
120 26.1 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.886 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion: 43 Resp: 368159

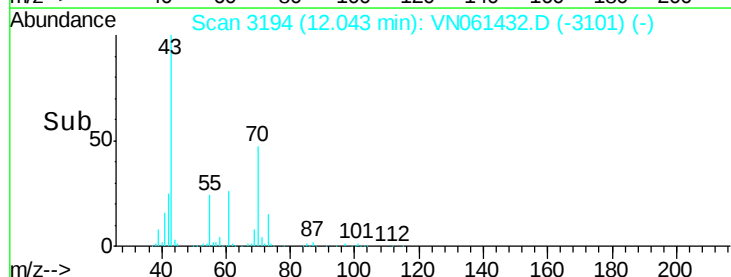
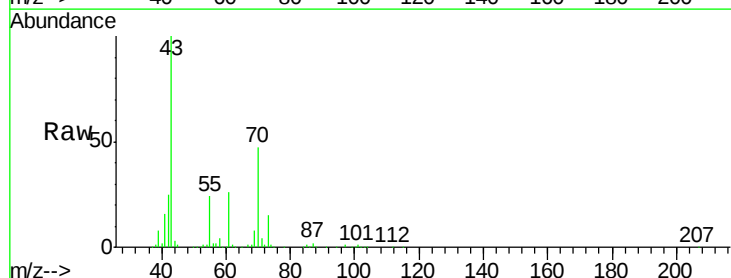
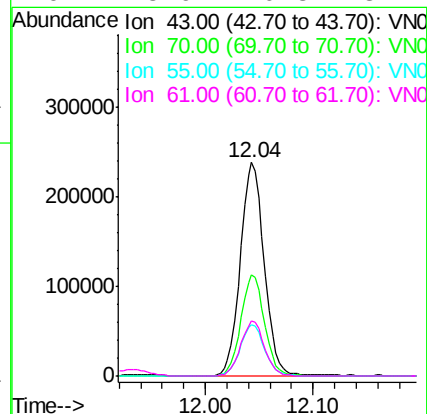
Ion Ratio Lower Upper

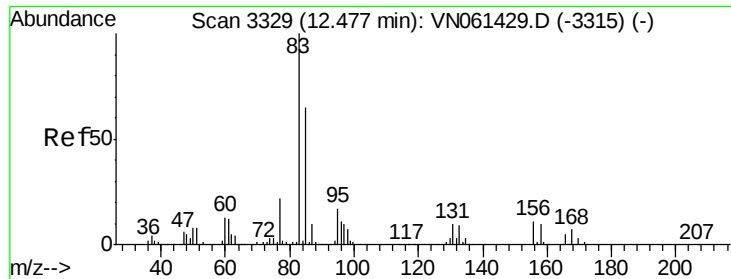
43 100

70 47.1 37.0 55.4

55 24.5 19.5 29.3

61 25.9 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.727 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051820

Tot Ion: 83 Resp: 275763

Ion Ratio Lower Upper

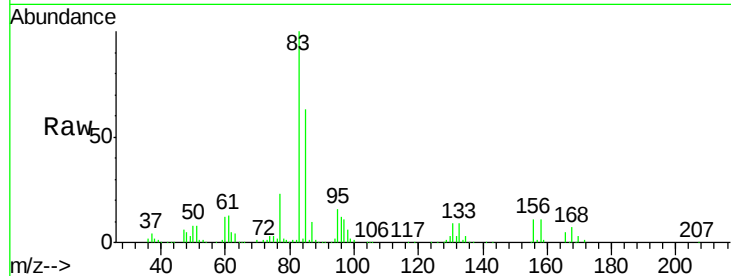
83 100

131 9.8 4.8 14.4

85 64.9 32.1 96.5

Manual Integrations
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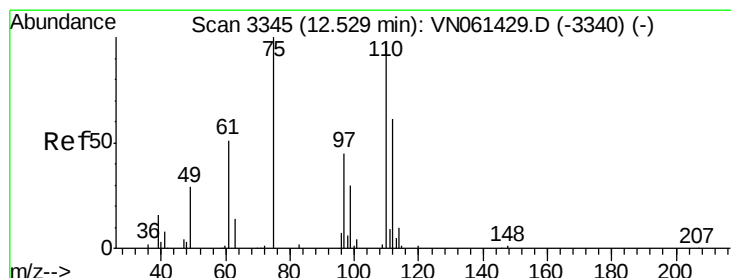
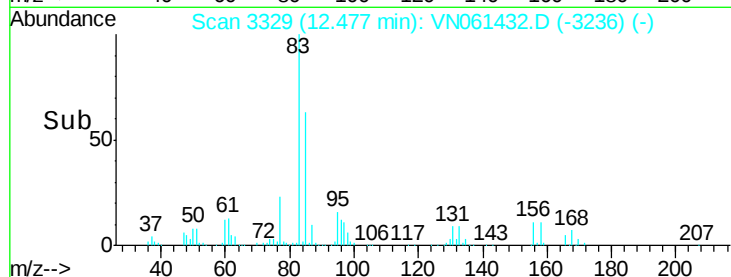
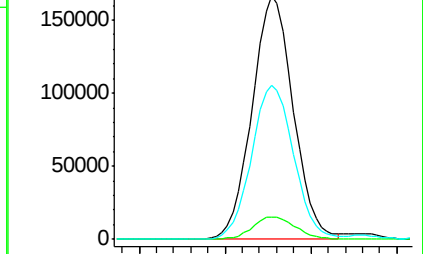
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.984 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061432.D

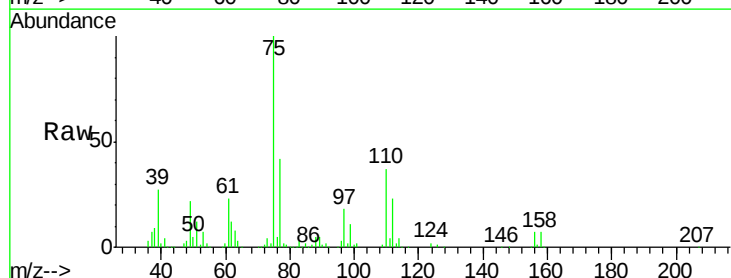
Acq: 18 May 2020 14:06

Tgt Ion: 75 Resp: 257692

Ion Ratio Lower Upper

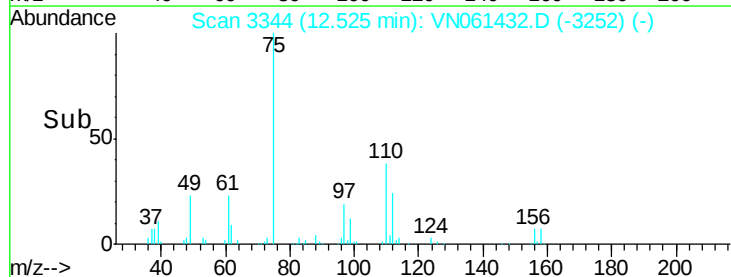
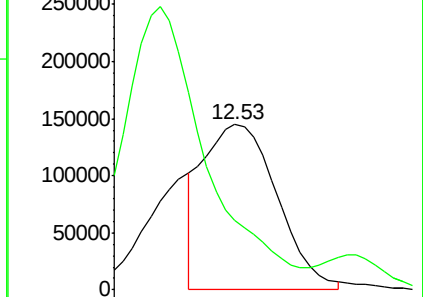
75 100

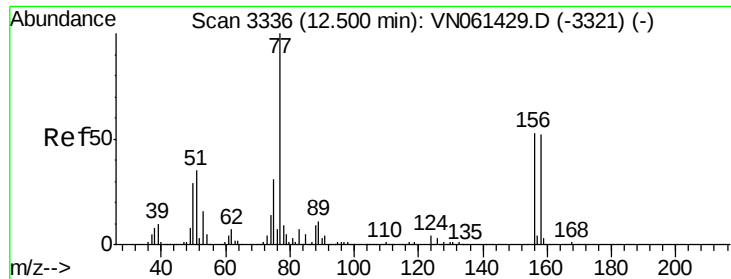
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.559 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

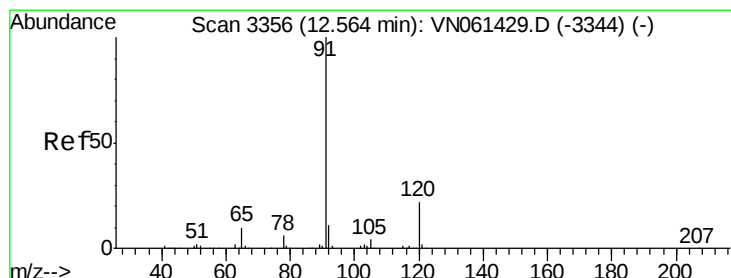
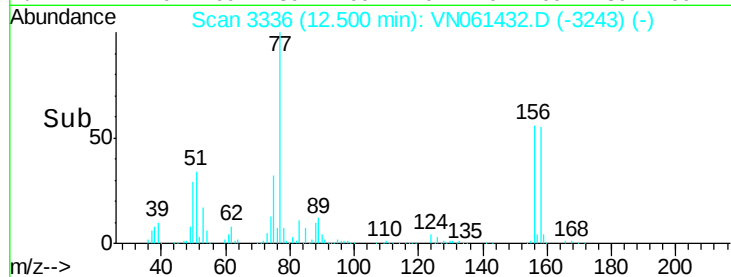
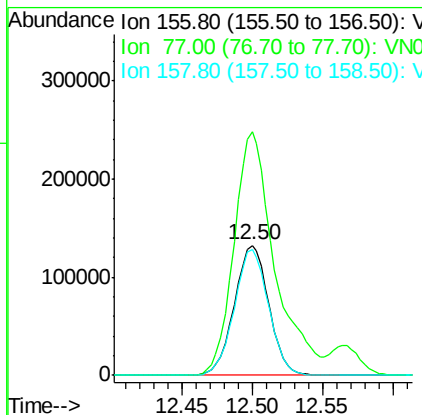
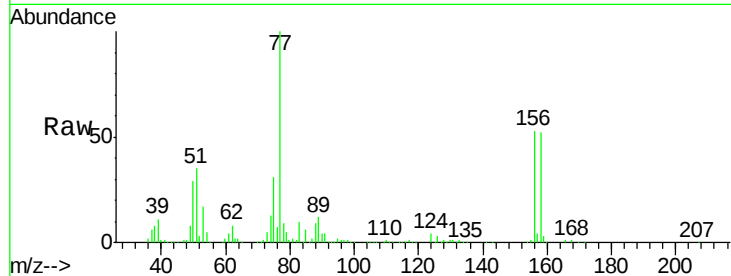
ClientSampleId :

ICVVN051820

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.7	112.3	336.9
158	96.5	47.9	143.6

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#78

n-propylbenzene

Concen: 48.235 ug/l

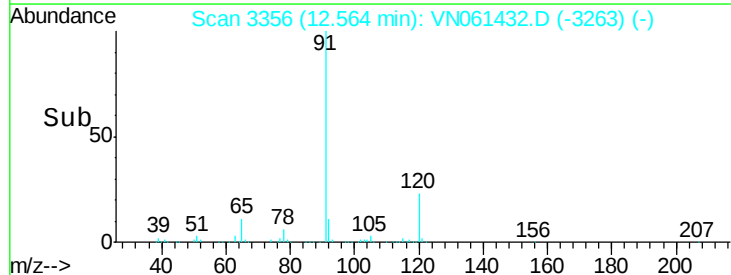
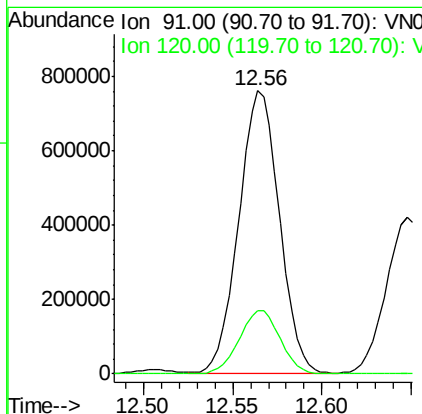
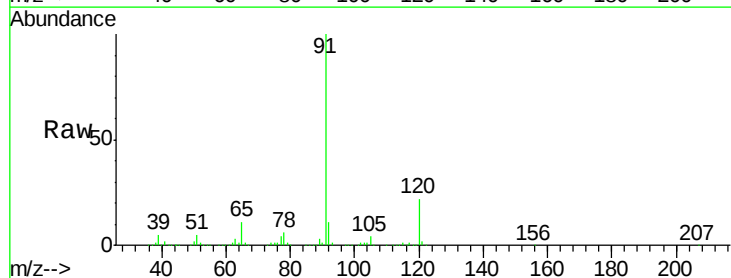
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.6





#79

2-Chlorotoluene

Concen: 47.010 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051820

Tot Ion: 91 Resp: 693968

Ion Ratio Lower Upper

91 100

126 32.6

16.3

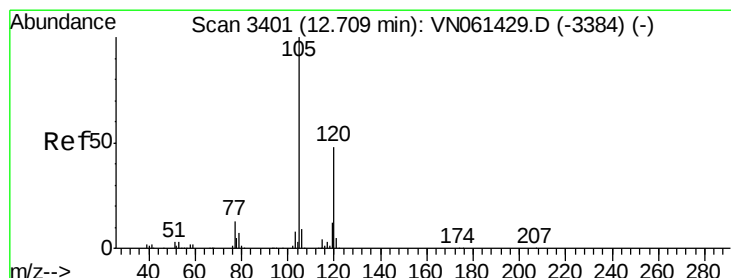
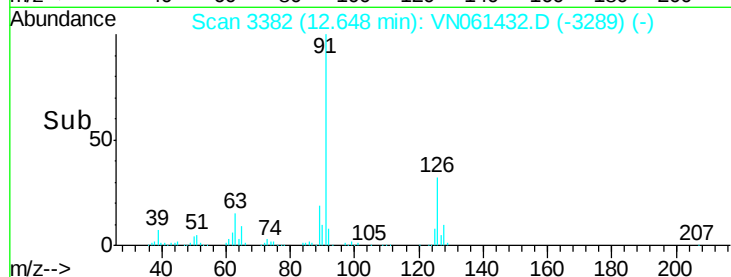
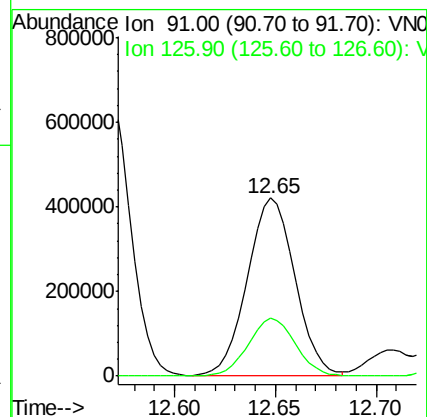
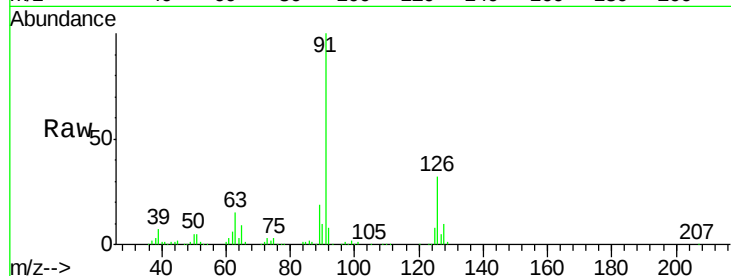
48.9

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#80

1,3,5-Trimethylbenzene

Concen: 48.788 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion: 105 Resp: 875621

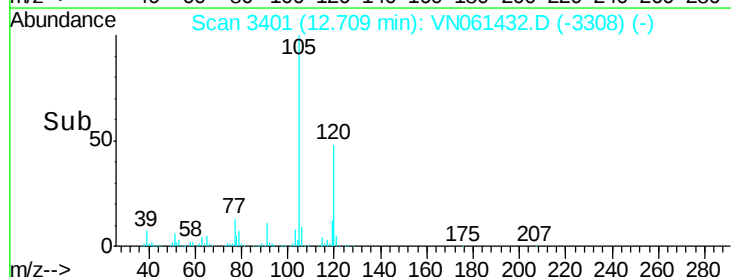
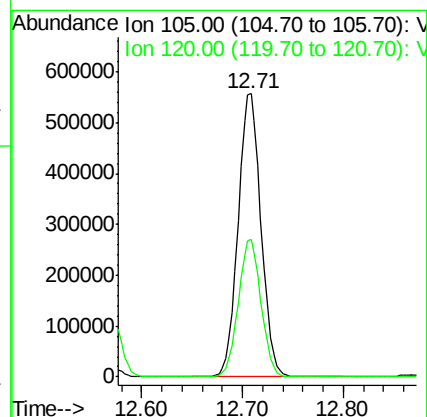
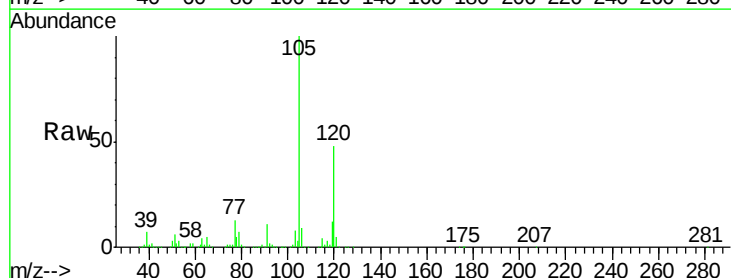
Ion Ratio Lower Upper

105 100

120 48.1

24.1

72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 46.820 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

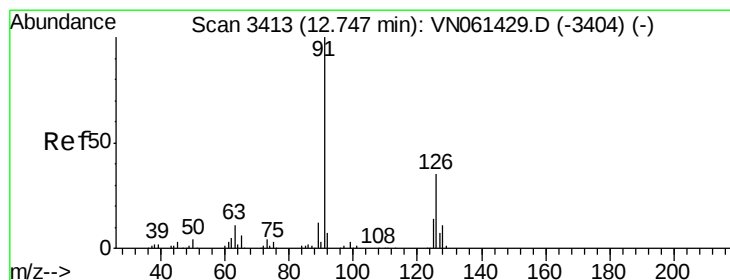
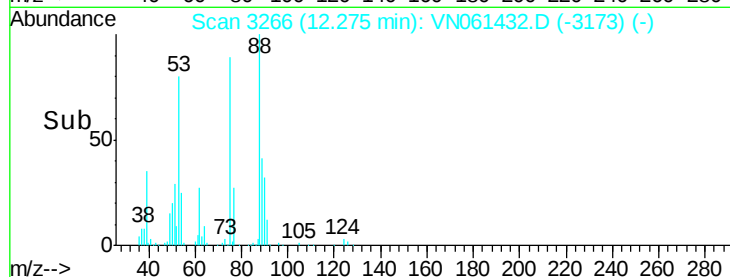
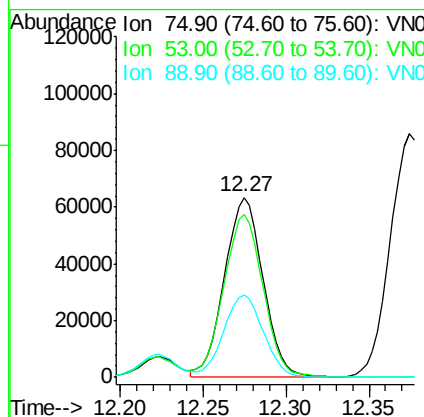
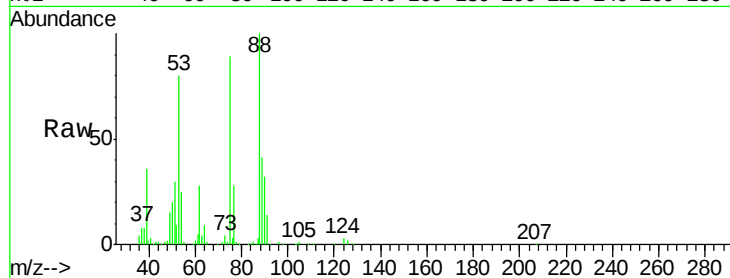
ClientSampleId :

ICVVN051820

Tot Ion:	75	Resp:	103404
Ion	Ratio	Lower	Upper
75	100		
53	92.2	75.2	112.8
89	46.8	38.2	57.4

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#82

4-Chlorotoluene

Concen: 48.096 ug/l

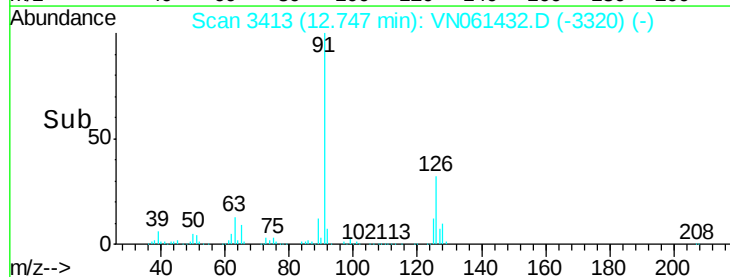
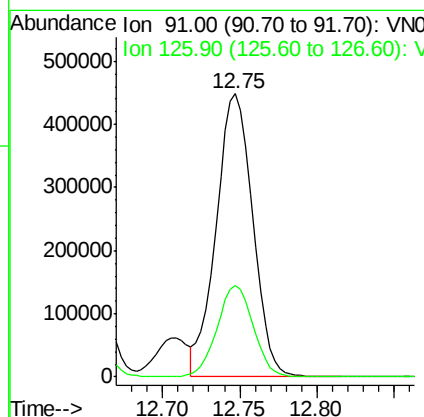
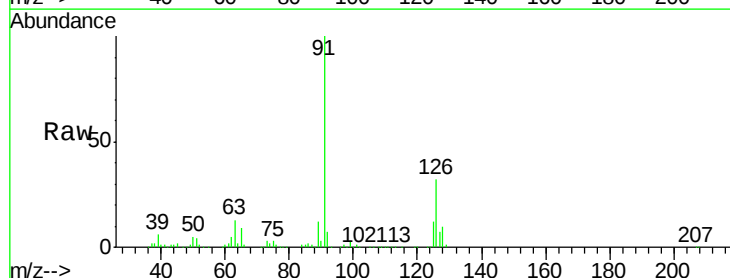
RT: 12.75 min Scan# 3413

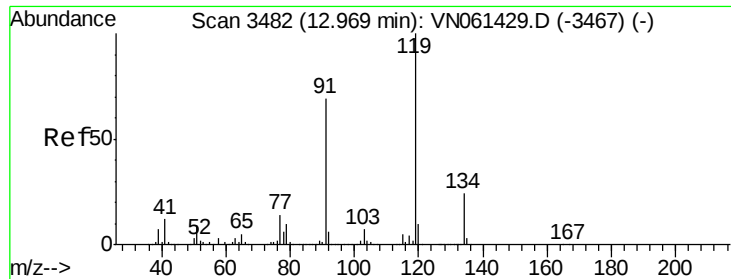
Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion:	91	Resp:	735177
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.2





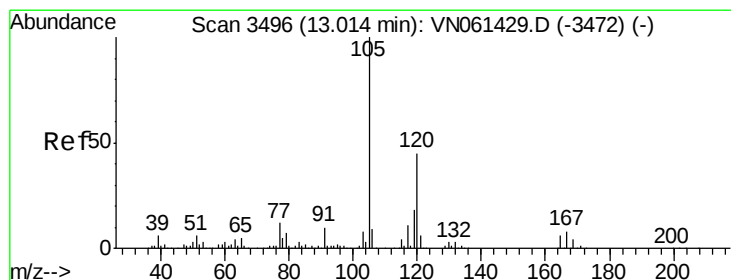
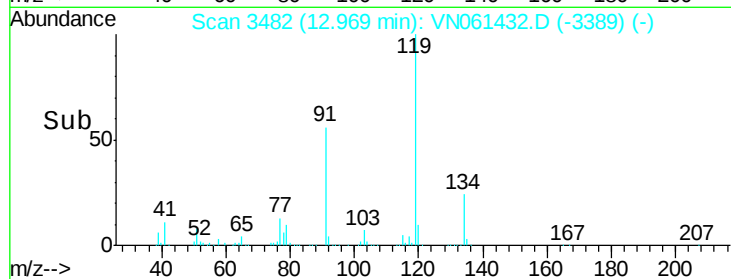
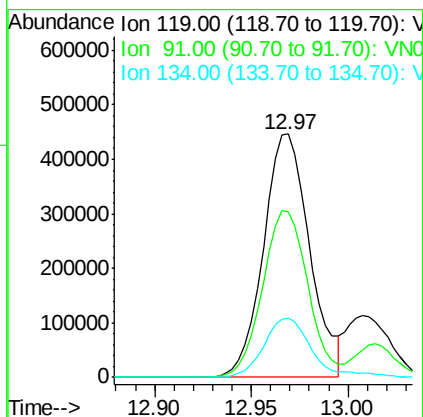
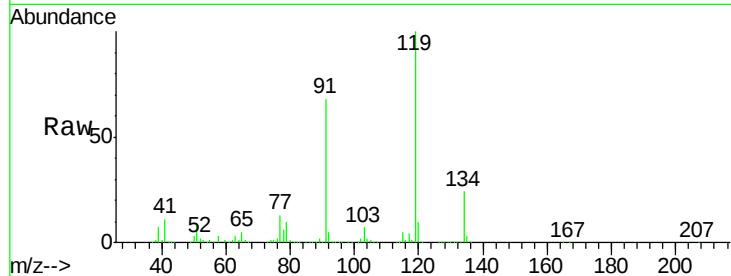
#83
 tert-Butylbenzene
 Concen: 48.173 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.7	101.0
134	25.4	12.8	38.3

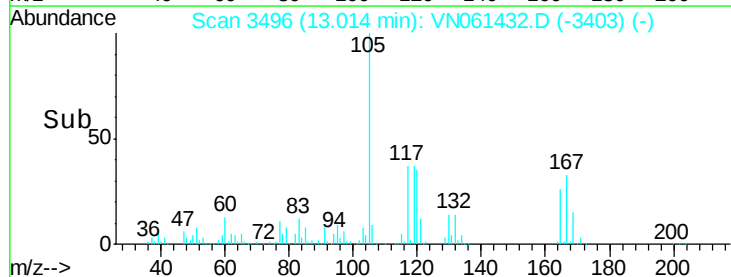
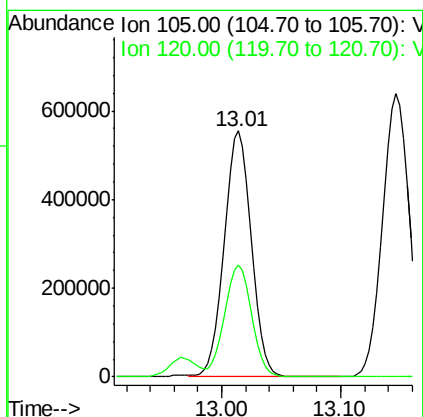
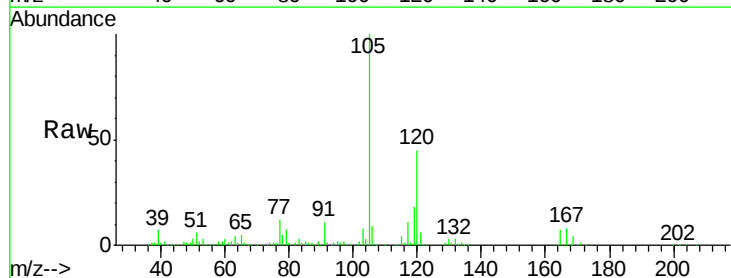
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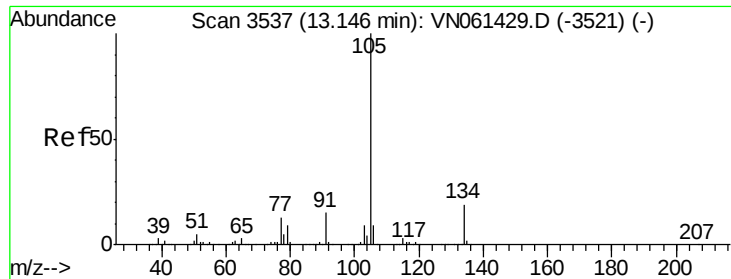
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.601 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 48.687 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051820

Tot Ion:105 Resp: 1012117

Ion Ratio Lower Upper

105 100

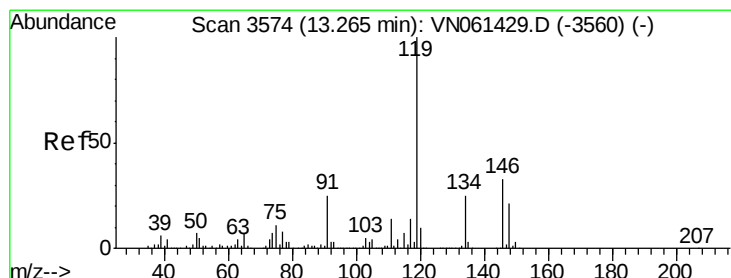
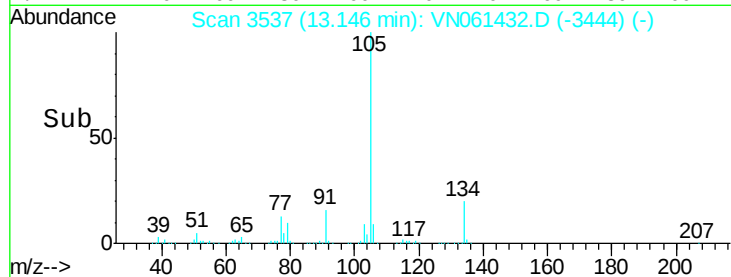
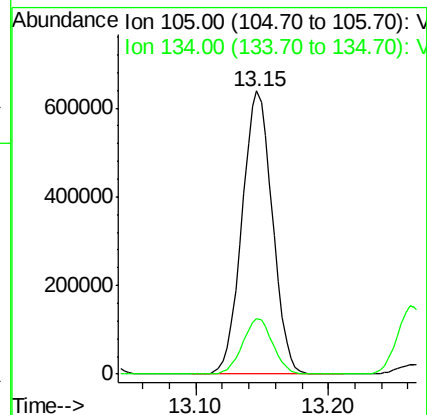
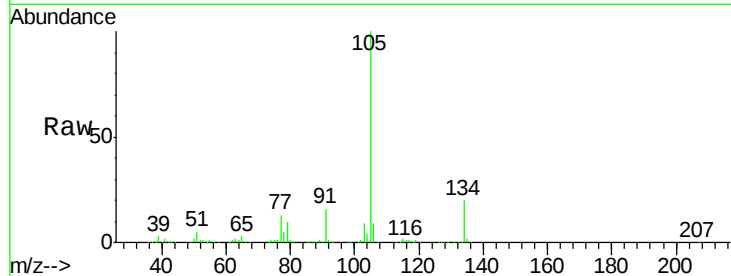
134 19.4 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 49.794 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

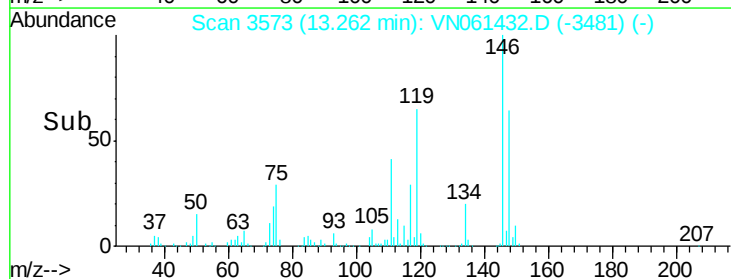
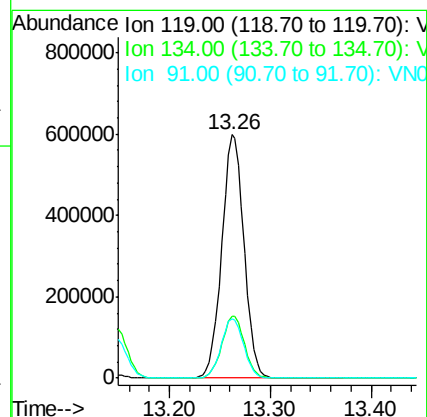
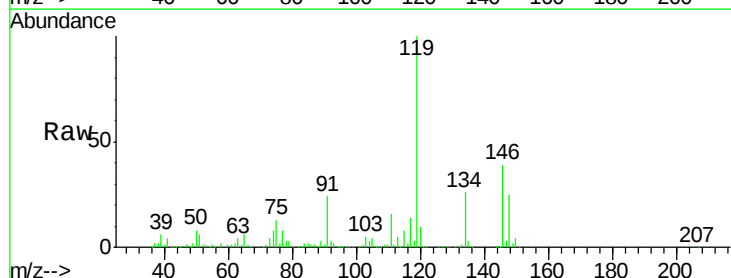
Tgt Ion:119 Resp: 919160

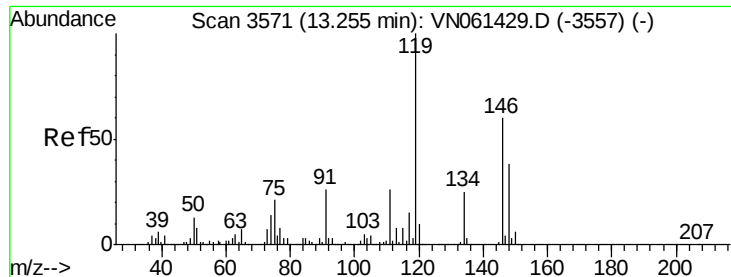
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 24.6 12.6 37.6





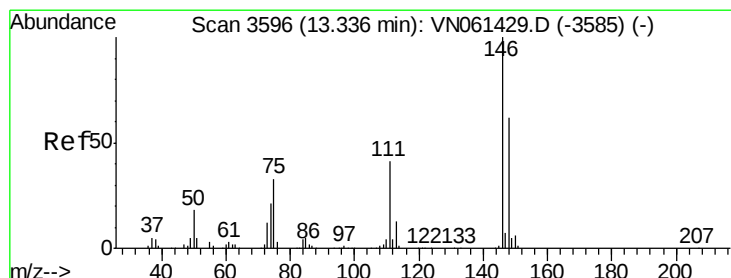
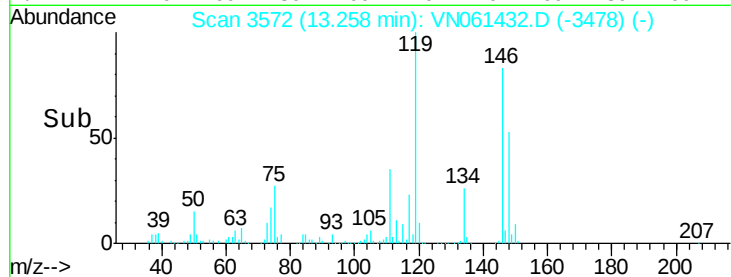
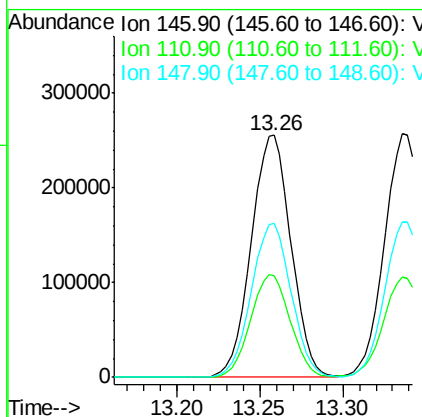
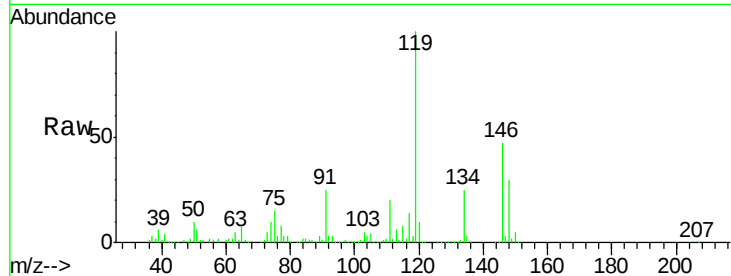
#87
 1,3-Dichlorobenzene
 Concen: 49.004 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.5	31.8	95.3

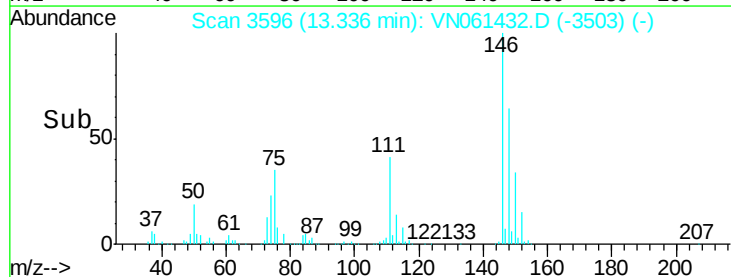
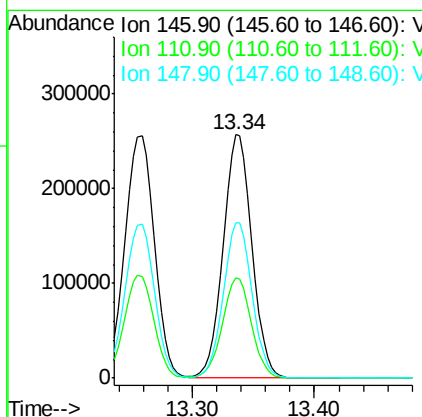
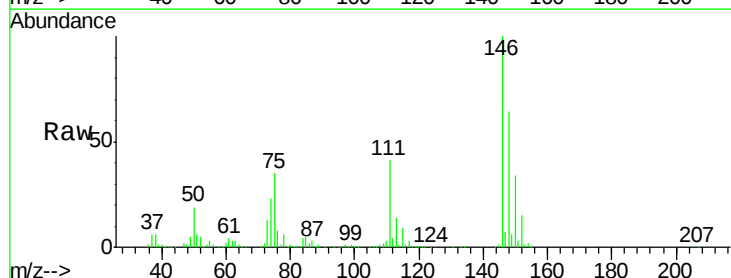
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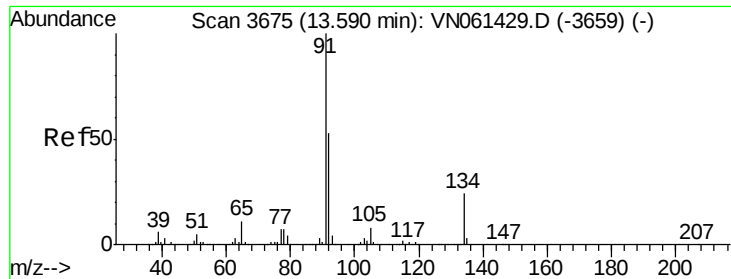
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#88
 1,4-Dichlorobenzene
 Concen: 48.837 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.8	31.6	94.8





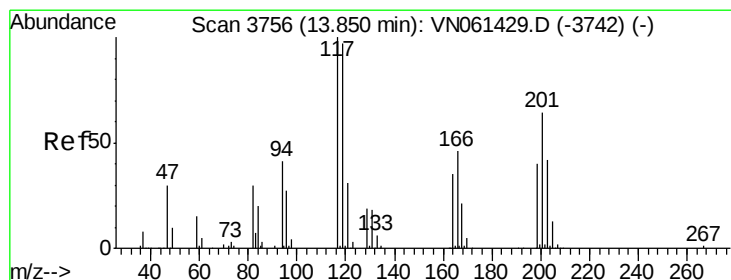
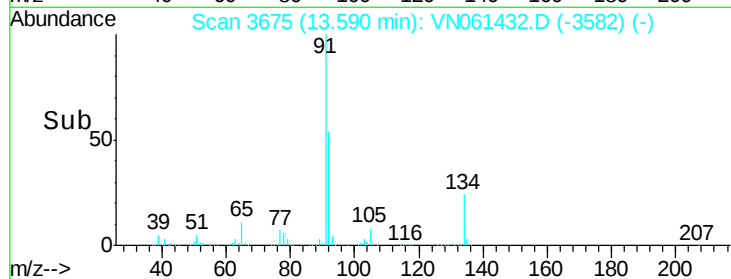
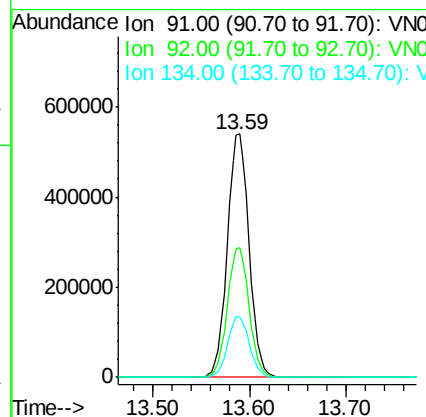
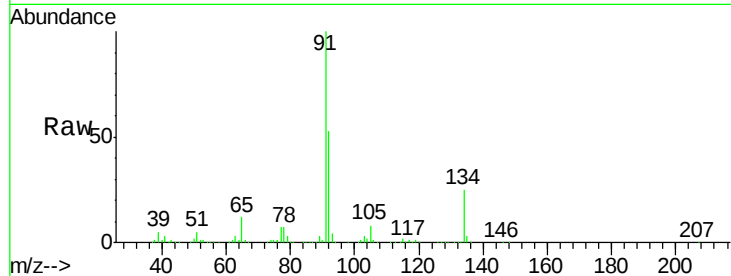
#89
n-Butylbenzene
Concen: 50.056 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.8	80.3	
134	25.0	12.4	37.4	

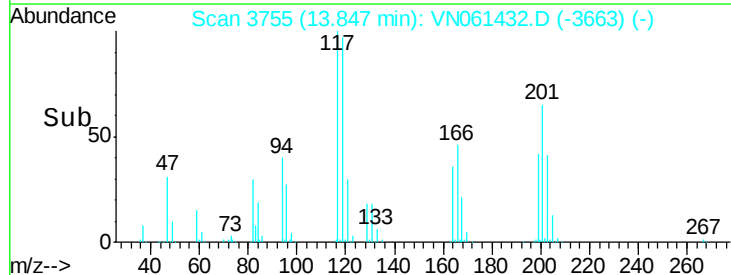
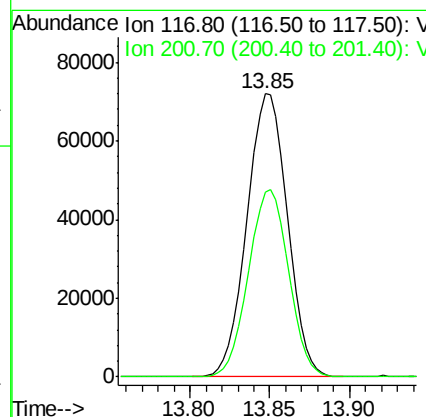
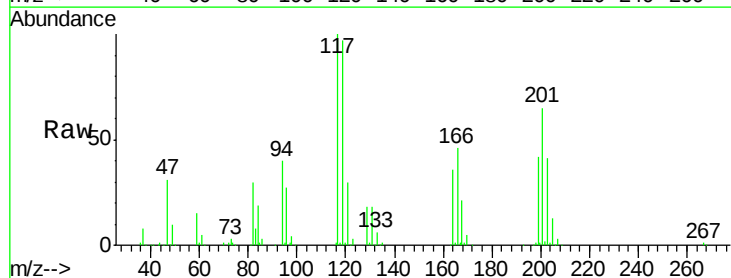
Manual Integrations
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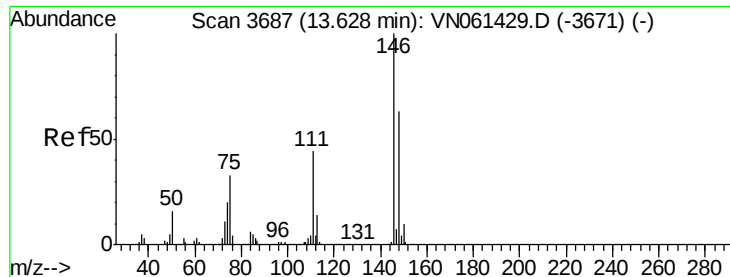
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#90
Hexachloroethane
Concen: 49.800 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.5	32.9	98.7	





#91

1,2-Dichlorobenzene

Concen: 48.317 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Instrument :

MSVOA_N

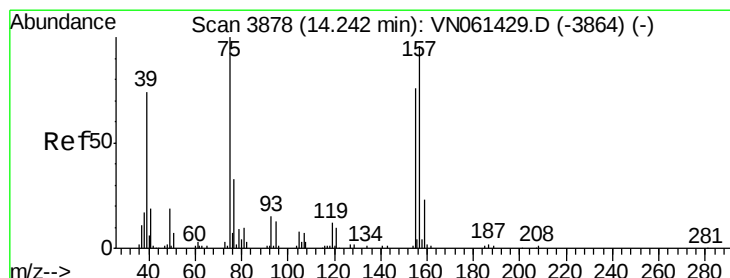
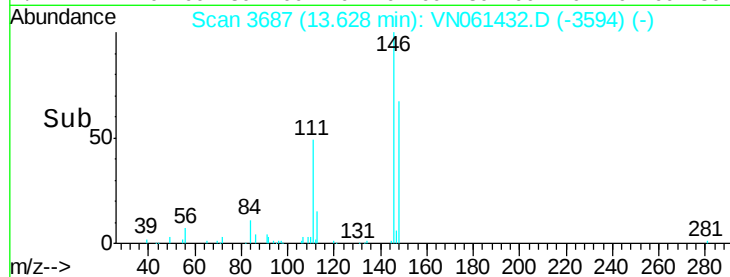
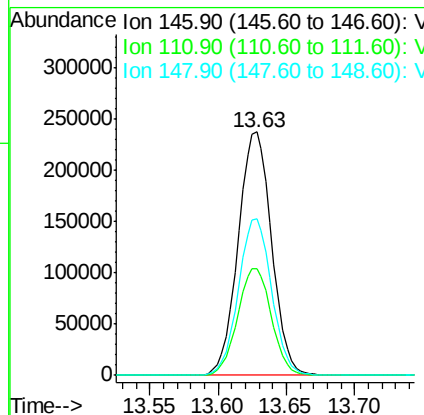
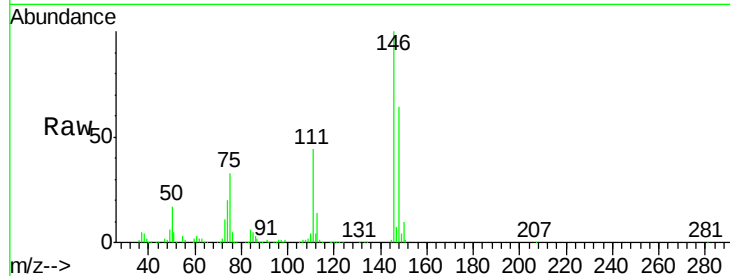
ClientSampleId :

ICVVN051820

Tot Ion:	146	Resp:	403506
Ion Ratio	Lower	Upper	
146	100		
111	44.4	21.9	65.7
148	64.0	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.560 ug/l

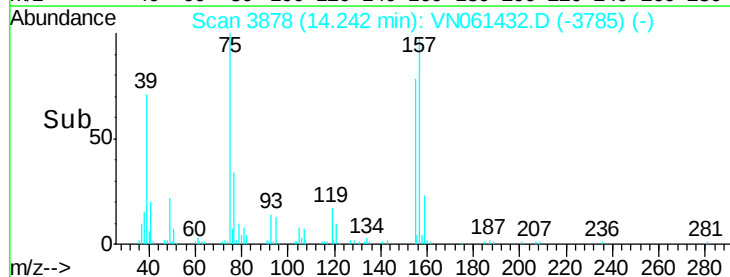
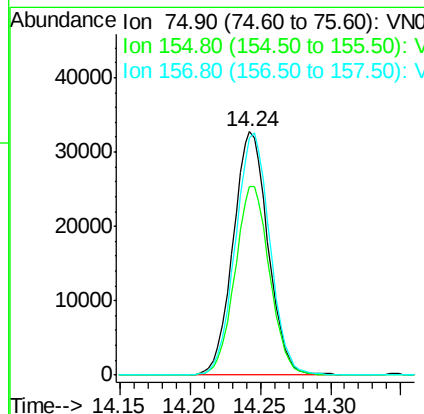
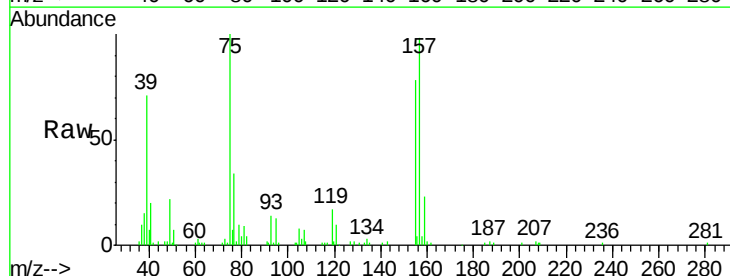
RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061432.D

Acq: 18 May 2020 14:06

Tgt Ion:	75	Resp:	56719
Ion Ratio	Lower	Upper	
75	100		
155	76.9	38.9	116.7
157	98.1	48.6	145.8





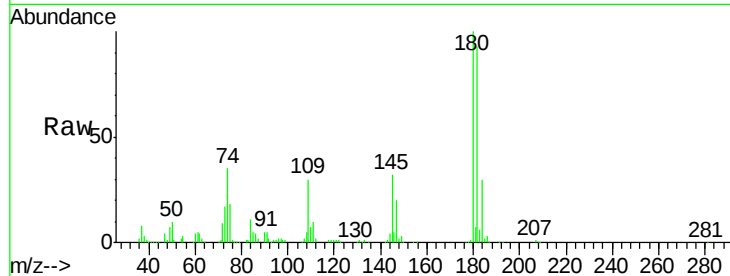
#93
 1,2,4-Trichlorobenzene
 Concen: 52.036 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051820

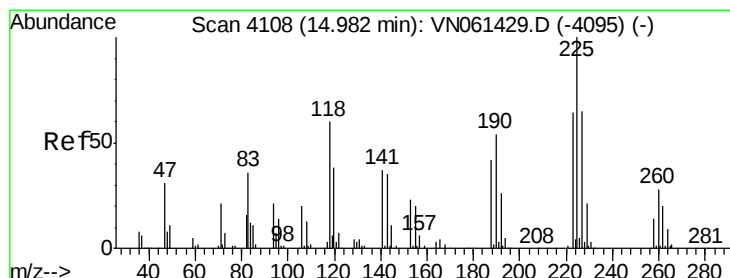
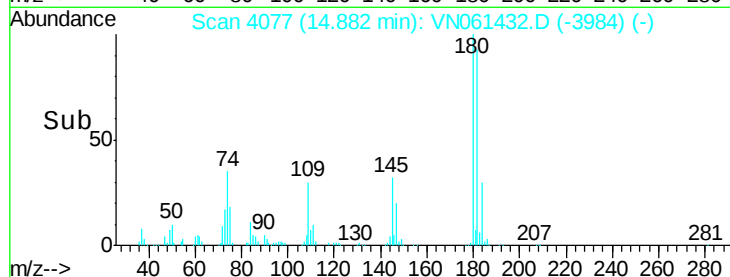
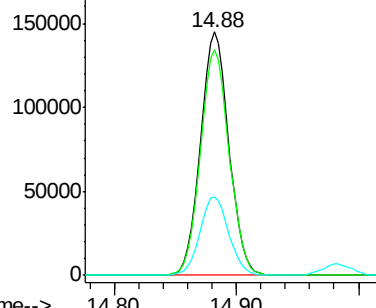
Tot Ion:	180	Resp:	235627
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.0	141.0
145	32.8	16.7	50.0

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:25:45 PM

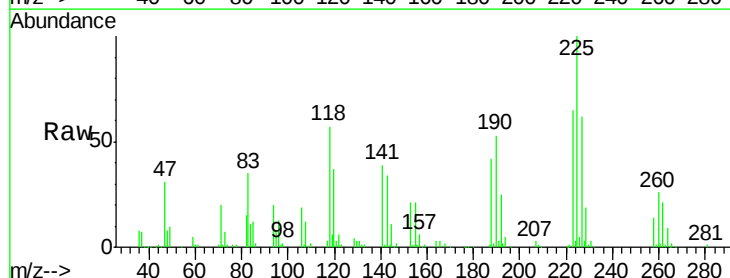


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

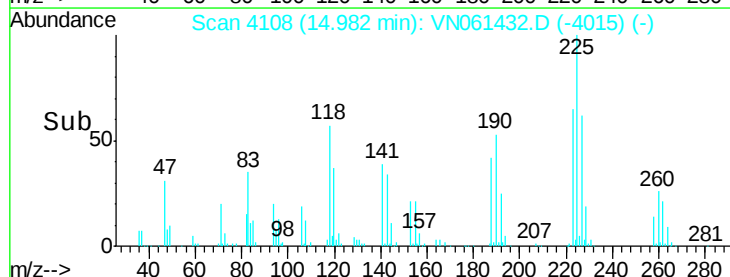
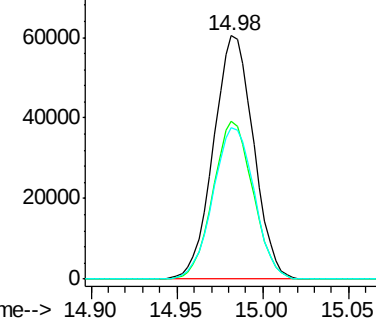


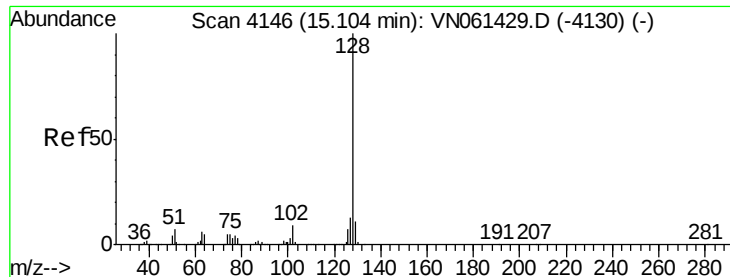
#94
 Hexachlorobutadiene
 Concen: 48.619 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061432.D
 Acq: 18 May 2020 14:06

Tgt Ion:	225	Resp:	97820
Ion Ratio	Lower	Upper	
225	100		
223	64.6	31.9	95.7
227	64.1	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





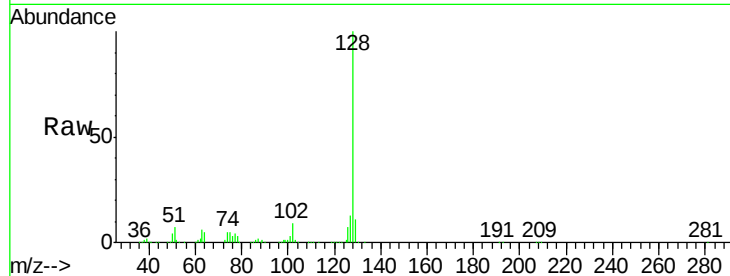
#95
Naphthalene
Concen: 51.239 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051820

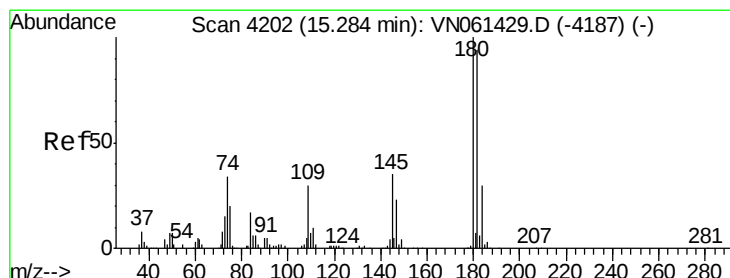
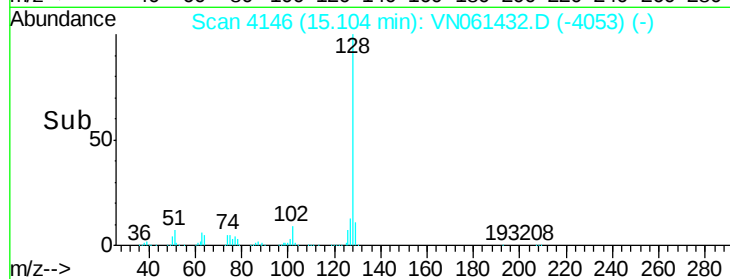
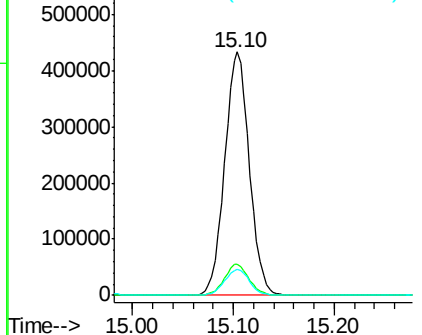
Tot Ion	Ratio	Resp	Lower	Upper
128	100	737617		
127	12.8	10.1	15.1	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:25:45 PM

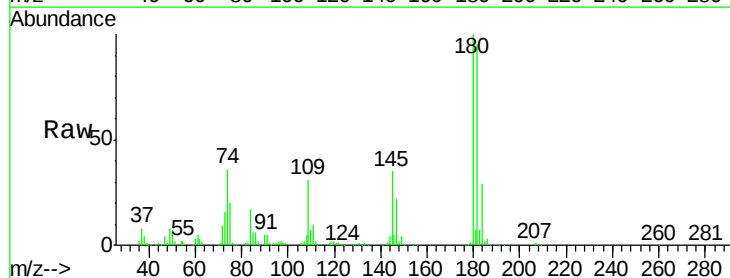


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.597 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061432.D
Acq: 18 May 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	223571		
182	96.2	47.8	143.3	
145	34.7	17.3	51.9	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

