

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061544.D
 Acq On : 28 May 2020 20:29
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN052820

Manual Integrations
 APPROVED

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 5/29/2020 5:46:55 PM

Quant Time: May 29 02:30:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	356213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	603817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	573432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	290661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	214564	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	7.55	113	159957	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.06	98	723623	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.38	95	261853	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	204775	49.794	ug/l	97
3) Chloromethane	2.03	50	231601	53.307	ug/l	100
4) Vinyl Chloride	2.16	62	313533	52.661	ug/l	99
5) Bromomethane	2.53	94	178456	52.236	ug/l	99
6) Chloroethane	2.67	64	194169	50.667	ug/l	99
7) Trichlorofluoromethane	2.98	101	397903	51.827	ug/l	100
8) Diethyl Ether	3.37	74	115523	49.208	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	168148	49.354	ug/l	99
10) Methyl Iodide	3.91	142	247115	52.250	ug/l	100
11) Tert butyl alcohol	4.73	59	147082	260.549	ug/l	99
12) 1,1-Dichloroethene	3.69	96	178834	49.132	ug/l	95
13) Acrolein	3.56	56	43184	266.041	ug/l	98
14) Allyl chloride	4.27	41	235537	49.497	ug/l	99
15) Acrylonitrile	4.93	53	408535	259.279	ug/l	99
16) Acetone	3.77	43	311867	267.054	ug/l	99
17) Carbon Disulfide	4.01	76	398696	49.787	ug/l	98
18) Methyl Acetate	4.27	43	189697	49.375	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	616932	49.732	ug/l	98
20) Methylene Chloride	4.50	84	200120	51.946	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	203734	49.633	ug/l	97
22) Diisopropyl ether	5.90	45	530637	50.594	ug/l	97
23) Vinyl Acetate	5.84	43	2159006	258.277	ug/l	99
24) 1,1-Dichloroethane	5.80	63	334216	50.253	ug/l	99
25) 2-Butanone	6.79	43	506832	251.982	ug/l	99
26) 2,2-Dichloropropane	6.78	77	284350	46.713	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	236615	50.905	ug/l	100
28) Bromochloromethane	7.15	49	131667	52.814	ug/l	100
29) Tetrahydrofuran	7.17	42	335122	252.667	ug/l	99
30) Chloroform	7.33	83	372536	50.631	ug/l	98
31) Cyclohexane	7.61	56	290986	48.649	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	344531	51.389	ug/l	99
36) 1,1-Dichloropropene	7.75	75	271203	50.736	ug/l	100
37) Ethyl Acetate	6.88	43	225491	52.375	ug/l	99
38) Carbon Tetrachloride	7.73	117	270930	52.547	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	334013	50.696	ug/l	99
40) Benzene	8.00	78	825748	50.067	ug/l	100
41) Methacrylonitrile	7.13	41	96767	49.057	ug/l	94
42) 1,2-Dichloroethane	8.08	62	273934	49.611	ug/l	99
43) Isopropyl Acetate	8.13	43	388777	50.192	ug/l	99
44) Trichloroethene	8.80	130	259628	51.222	ug/l	94
45) 1,2-Dichloropropane	9.08	63	197659	50.471	ug/l	99
46) Dibromomethane	9.17	93	149318	49.713	ug/l	99
47) Bromodichloromethane	9.37	83	303550	51.010	ug/l	99
48) Methyl methacrylate	9.17	41	169714	48.699	ug/l	99
49) 1,4-Dioxane	9.17	88	54059	1001.322	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1118463	256.238	ug/l	99
52) Toluene	10.12	92	550469	51.137	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	327096	51.025	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	348129	50.506	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	216226	50.418	ug/l	97
56) Ethyl methacrylate	10.40	69	313846	52.387	ug/l	99
57) 1,3-Dichloropropane	10.68	76	348831	50.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	668939	261.285	ug/l	100
59) 2-Hexanone	10.72	43	801710	255.747	ug/l	100
60) Dibromochloromethane	10.87	129	253454	51.984	ug/l	100
61) 1,2-Dibromoethane	10.98	107	232005	51.869	ug/l	100
64) Tetrachloroethene	10.60	164	274742	50.899	ug/l	99
65) Chlorobenzene	11.41	112	599770	50.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	224288	50.535	ug/l	99
67) Ethyl Benzene	11.48	91	1049755	50.955	ug/l	100
68) m/p-Xylenes	11.60	106	835045	102.226	ug/l	99
69) o-Xylene	11.92	106	398405	51.350	ug/l	100
70) Styrene	11.94	104	674231	52.475	ug/l	99
71) Bromoform	12.10	173	178814	52.286	ug/l #	98
73) Isopropylbenzene	12.22	105	1053803	49.674	ug/l	100
74) N-amyl acetate	12.05	43	341269	51.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	286128	48.129	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	250329m	47.363	ug/l	
77) Bromobenzene	12.50	156	269424	49.754	ug/l	99
78) n-propylbenzene	12.57	91	1174681	49.599	ug/l	100
79) 2-Chlorotoluene	12.65	91	688412	48.748	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	890122	50.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	100114	48.439	ug/l	98
82) 4-Chlorotoluene	12.75	91	724785	48.786	ug/l	100
83) tert-Butylbenzene	12.97	119	764405	48.792	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	896544	50.897	ug/l	99
85) sec-Butylbenzene	13.15	105	1005930	49.829	ug/l	99
86) p-Isopropyltoluene	13.26	119	945633	50.865	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	484202	50.495	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	486890	49.842	ug/l	100
89) n-Butylbenzene	13.59	91	785389	50.437	ug/l	99
90) Hexachloroethane	13.85	117	103181	50.185	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	463666	50.597	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	57221	47.195	ug/l	97

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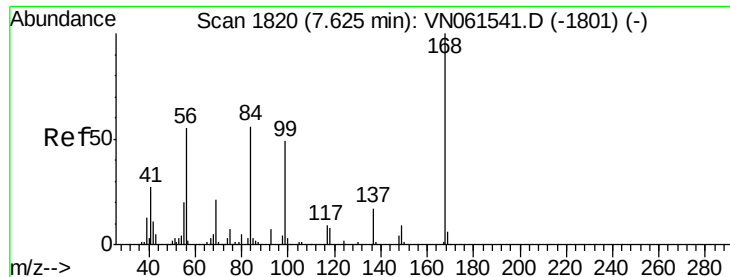
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	280581	52.353	ug/l	98
94) Hexachlorobutadiene	14.98	225	113835	49.802	ug/l	97
95) Naphthalene	15.10	128	862934	52.899	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	274324	52.060	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: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVFN052820

Tot Ion:168 Resp: 356213

Ion Ratio Lower Upper

168 100

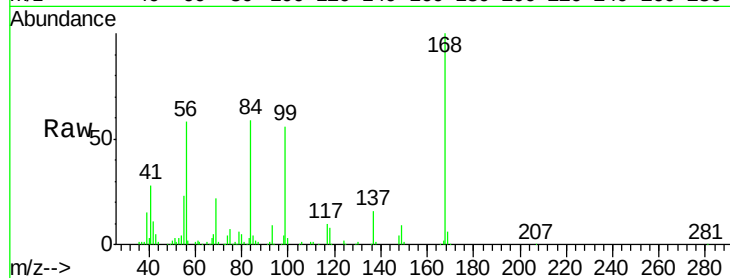
99 56.1 45.0 67.4

Manual Integrations

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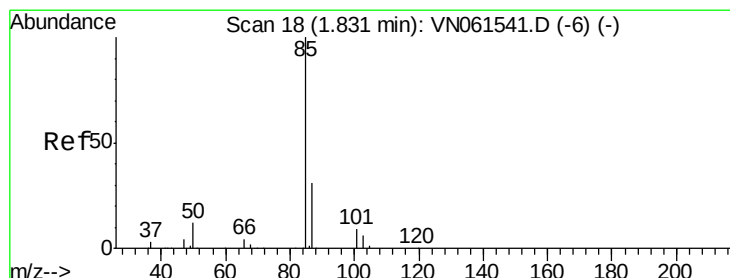
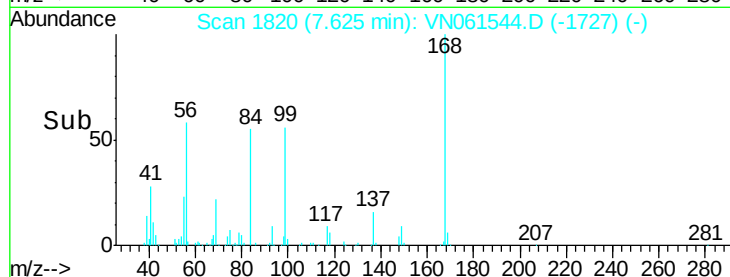
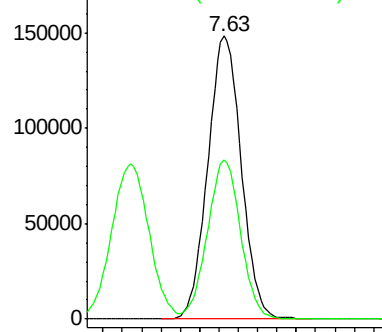
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.794 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061544.D

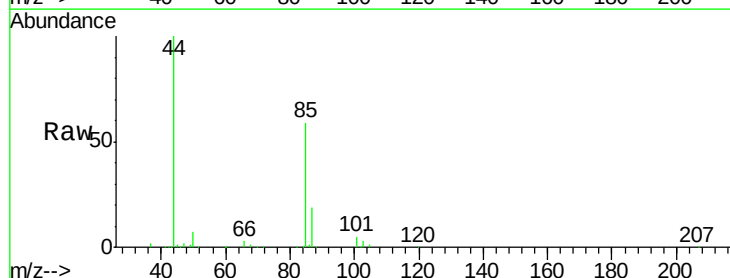
Acq: 28 May 2020 20:29

Tgt Ion: 85 Resp: 204775

Ion Ratio Lower Upper

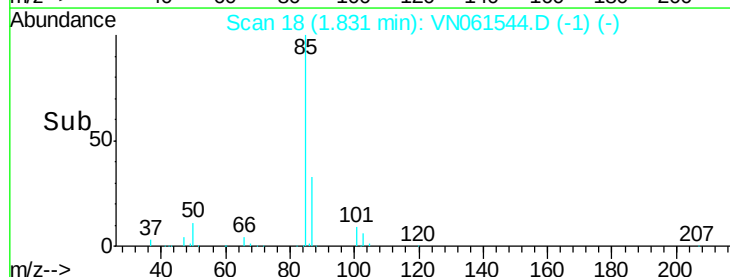
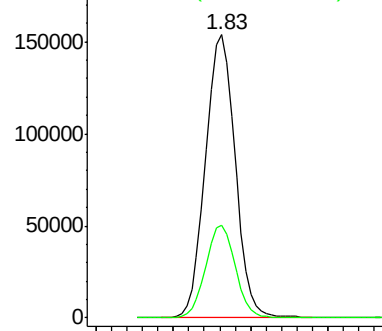
85 100

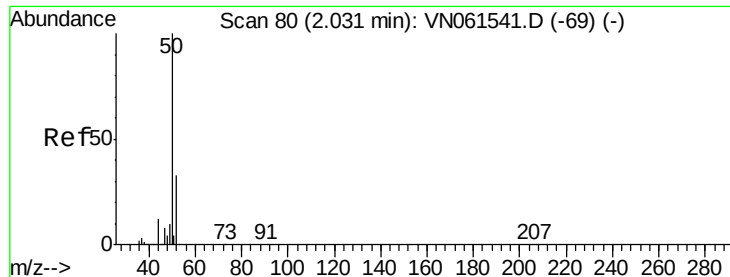
87 32.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 53.307 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

Tot Ion: 50 Resp: 231601

Ion Ratio Lower Upper

50 100

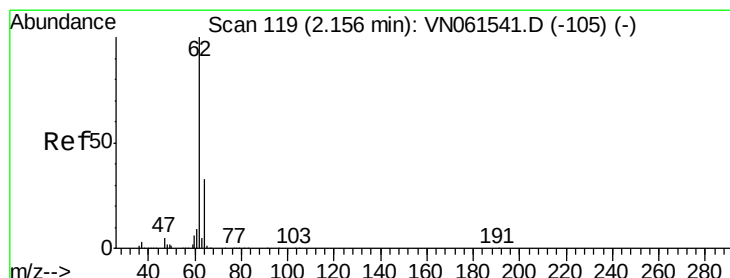
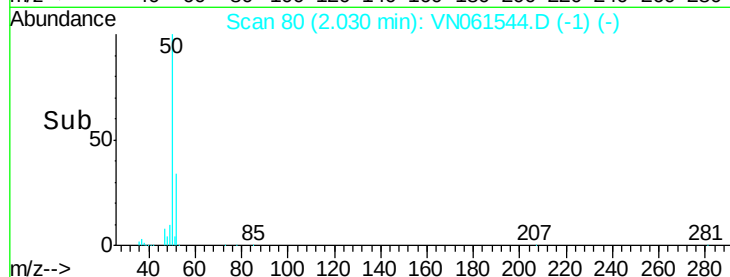
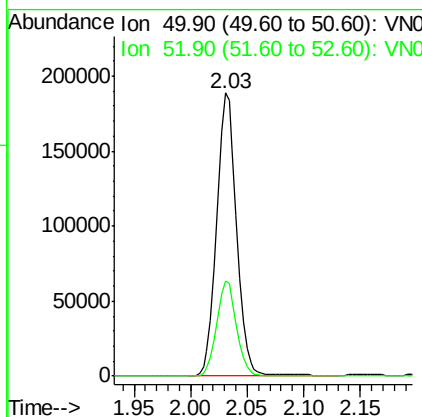
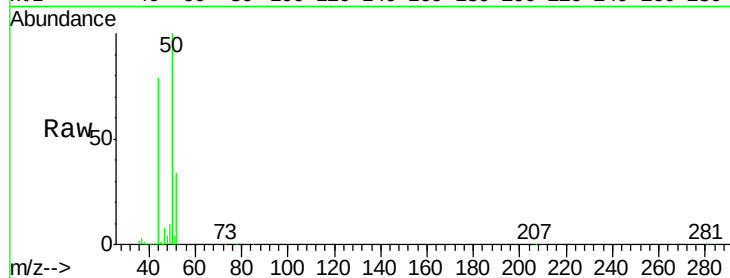
52 33.7 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.661 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061544.D

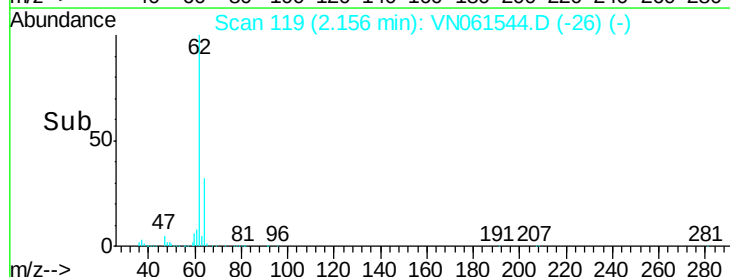
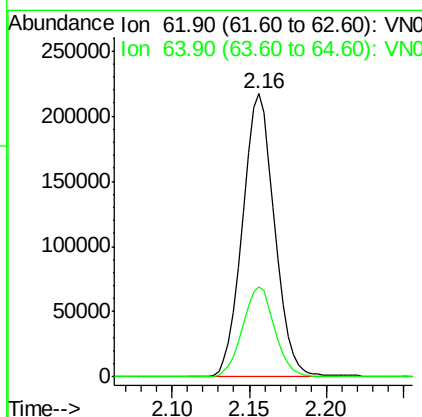
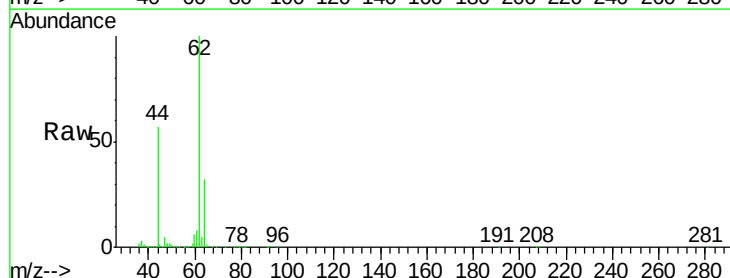
Acq: 28 May 2020 20:29

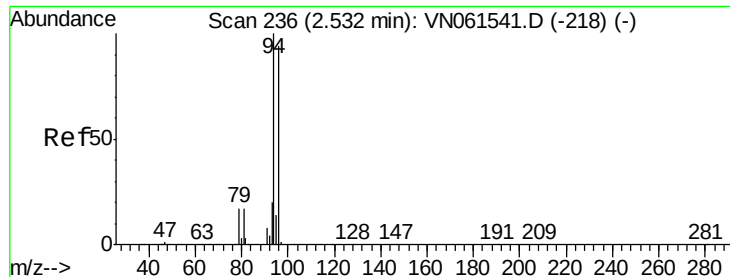
Tgt Ion: 62 Resp: 313533

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 52.236 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

Tot Ion: 94 Resp: 178456

Ion Ratio Lower Upper

94 100

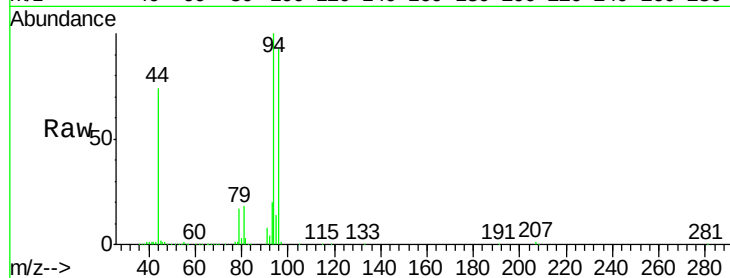
96 93.0 74.8 112.2

Manual Integrations

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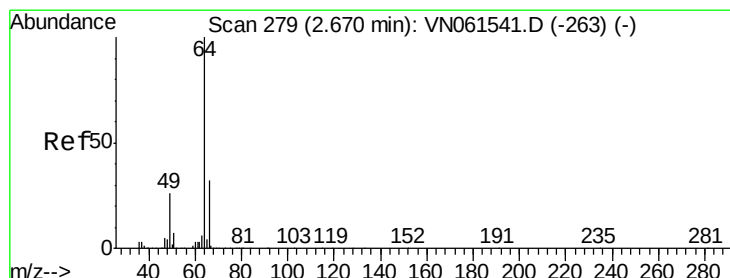
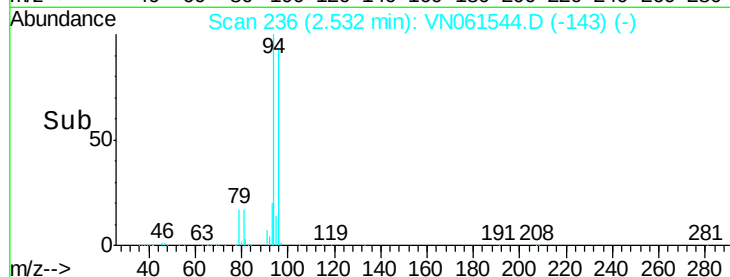


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

Time-->



#6

Chloroethane

Concen: 50.667 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061544.D

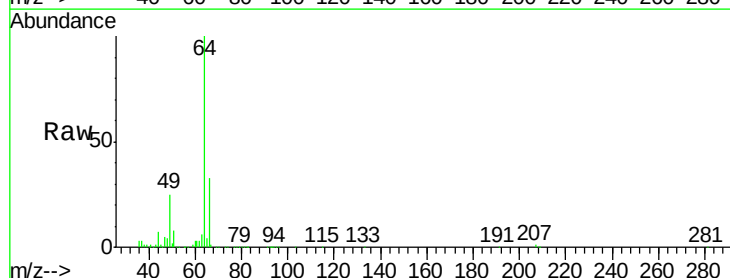
Acq: 28 May 2020 20:29

Tgt Ion: 64 Resp: 194169

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4

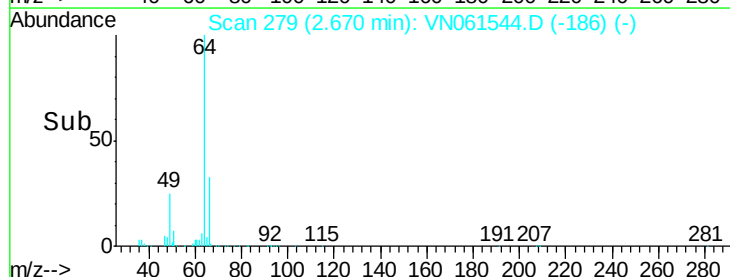


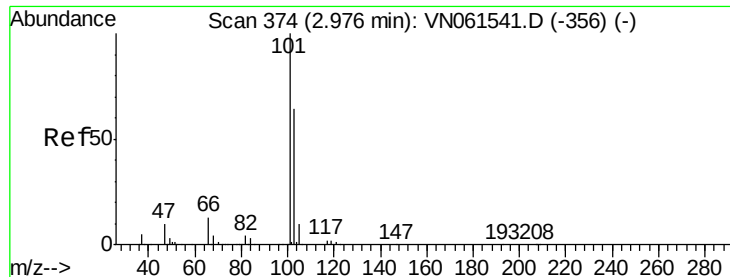
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->





#7

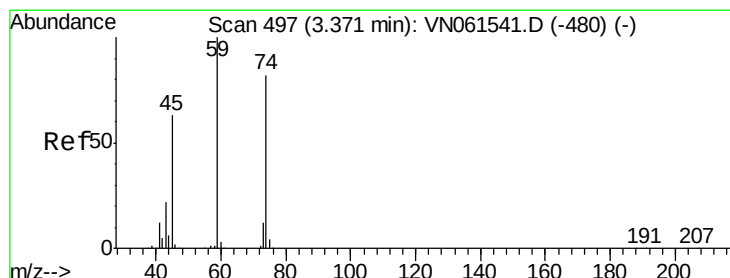
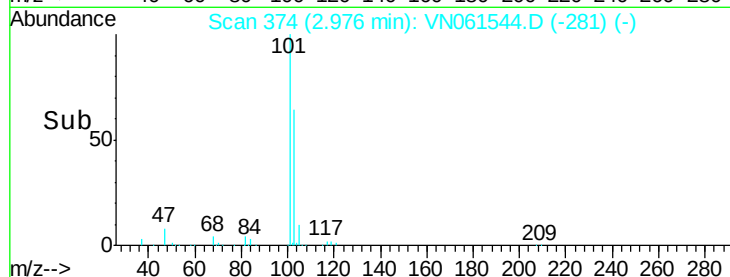
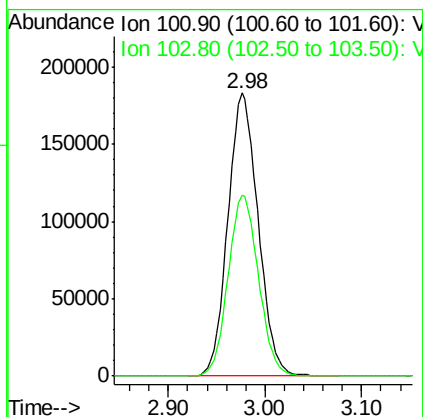
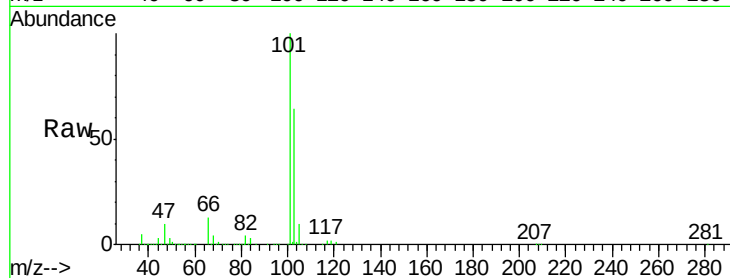
Trichlorofluoromethane
Concen: 51.827 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
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ICVVN052820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		397903		
103	64.1	51.4	77.2		

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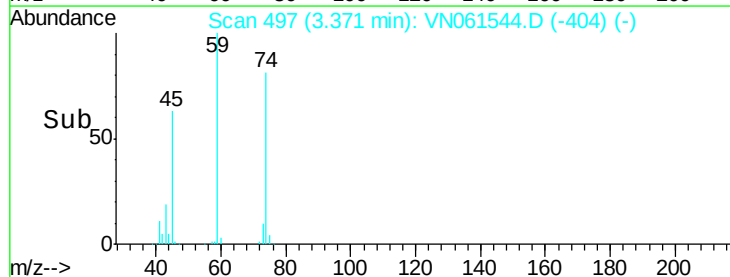
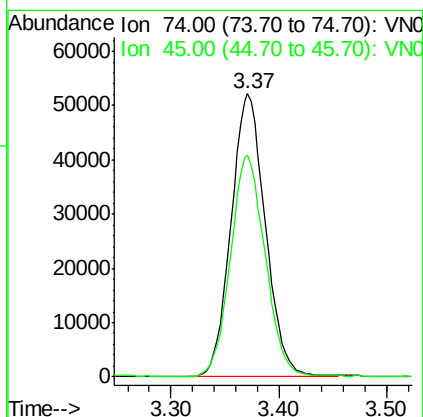
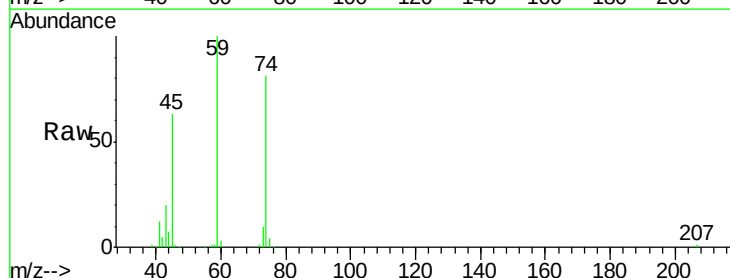
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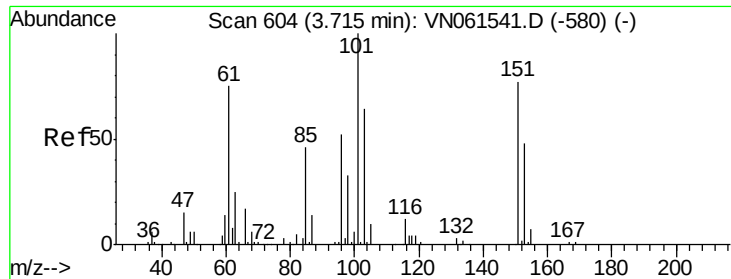


#8

Diethyl Ether
Concen: 49.208 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		115523		
45	79.3	39.9	119.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.354 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

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MSVOA_N

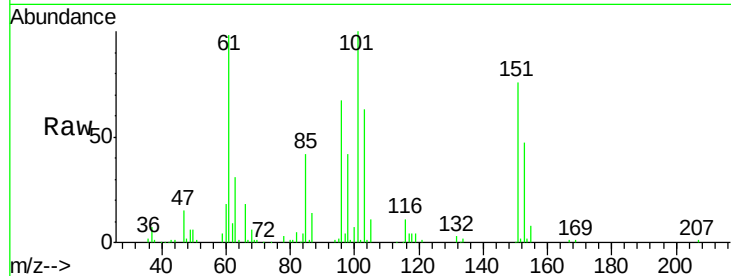
ClientSampleId :

ICVVN052820

Tot Ion:	101	Resp:	168148
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.2	52.8
151	76.6	61.0	91.6

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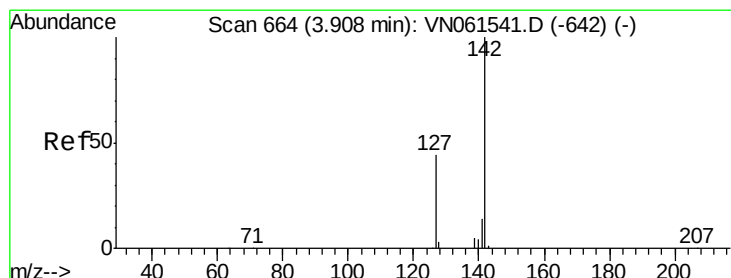
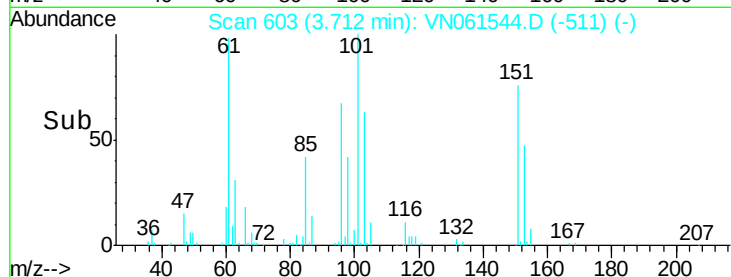
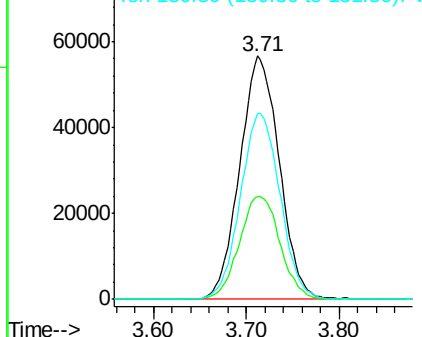
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.250 ug/l

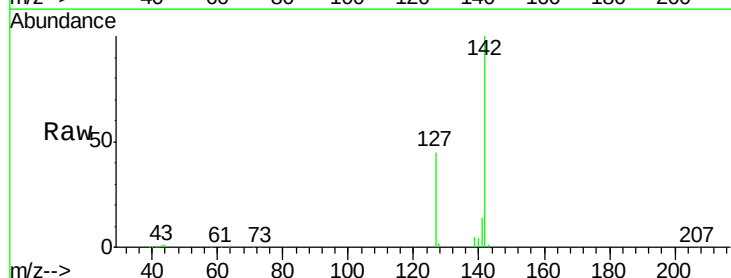
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

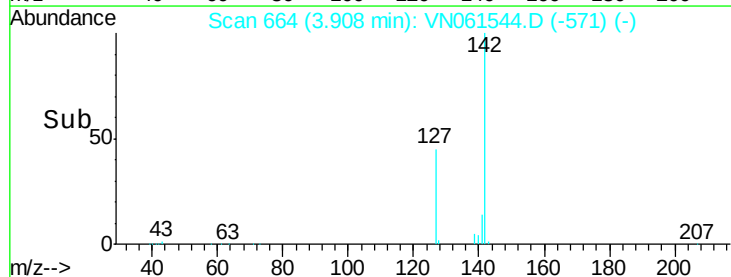
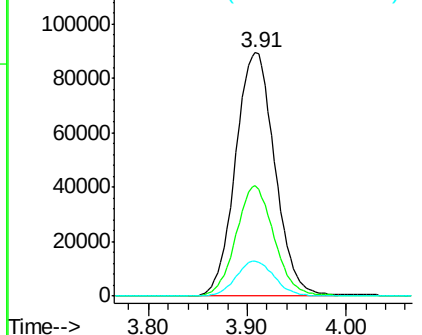
Tgt Ion:	142	Resp:	247115
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.5	53.3
141	13.9	11.5	17.3

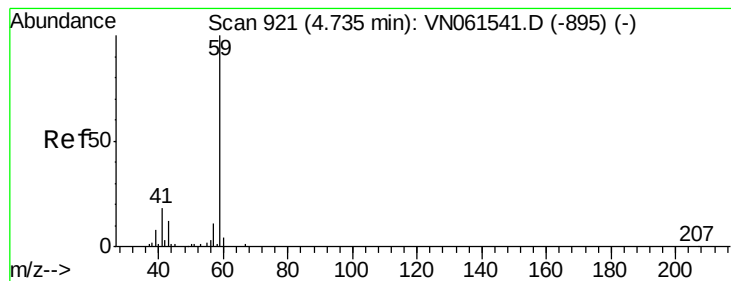


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

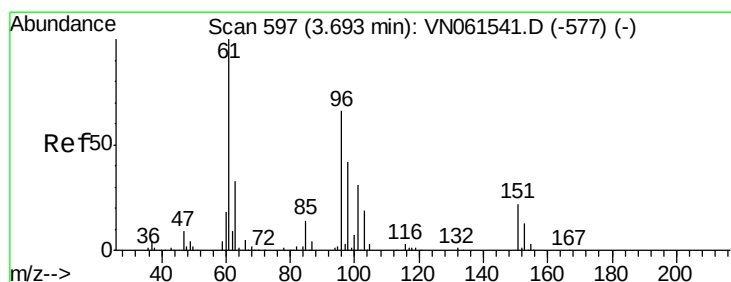
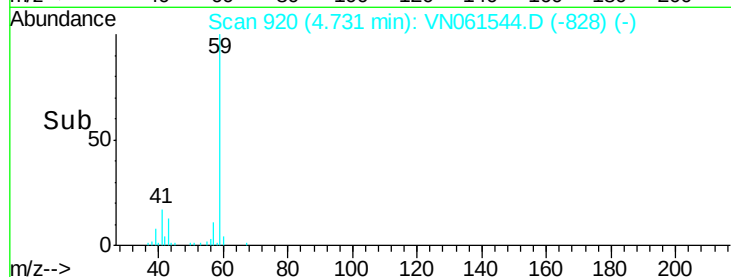
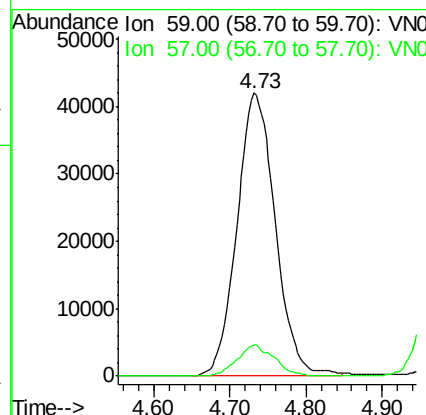
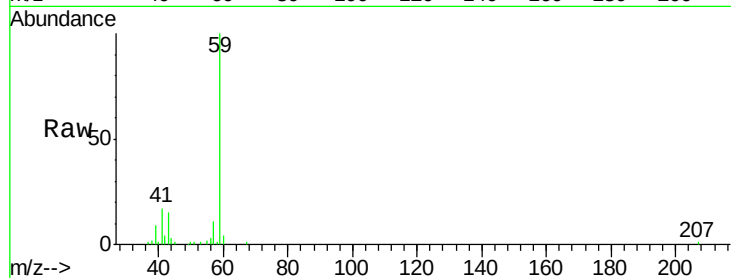
Tert butyl alcohol
Concen: 260.549 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	59	Resp	147082
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

Manual Integrations
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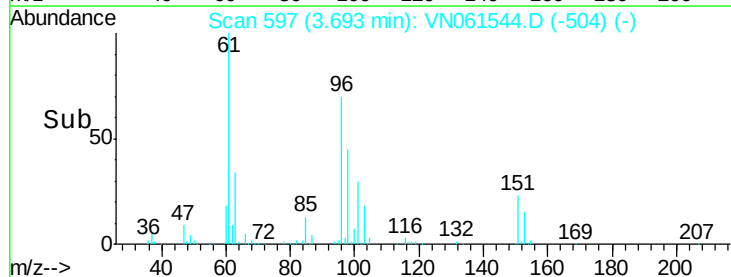
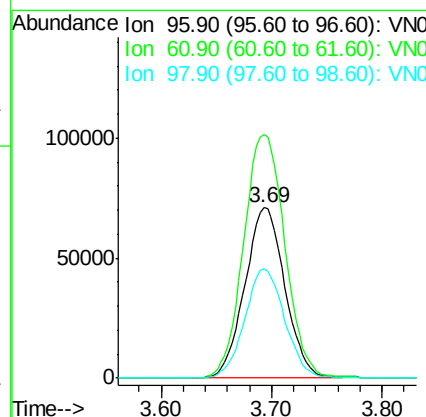
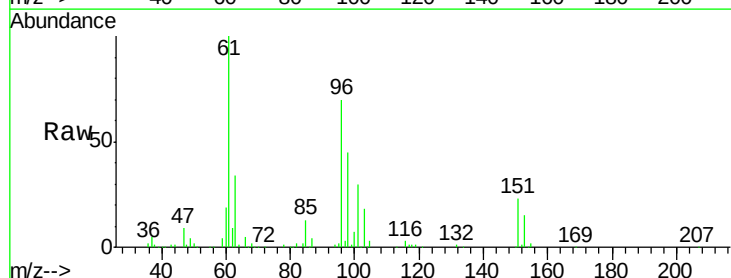
MMDadoda
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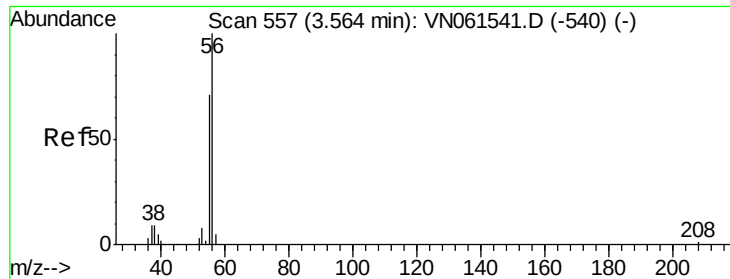


#12

1,1-Dichloroethene
Concen: 49.132 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	96	Resp	178834
Ion Ratio	100	Lower	Upper
61	143.1	120.5	180.7
98	64.5	50.8	76.2





#13

Acrolein

Concen: 266.041 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

Tot Ion: 56 Resp: 43184

Ion Ratio Lower Upper

56 100

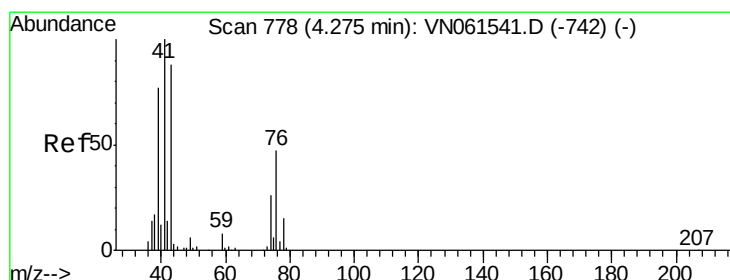
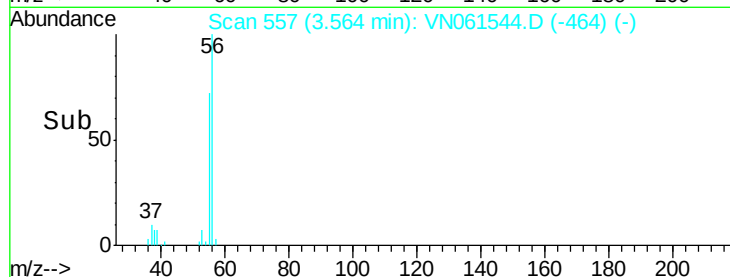
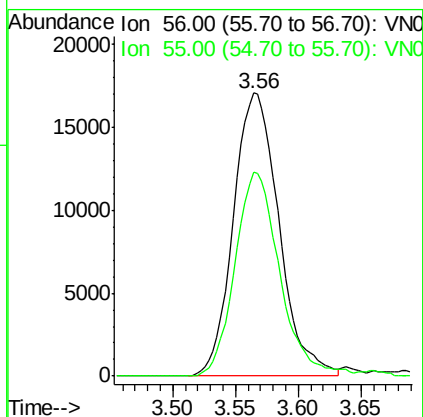
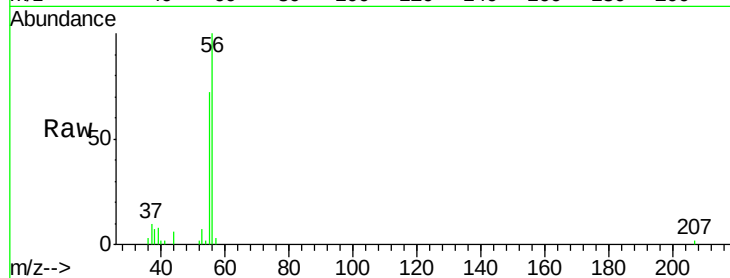
55 70.7 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.497 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

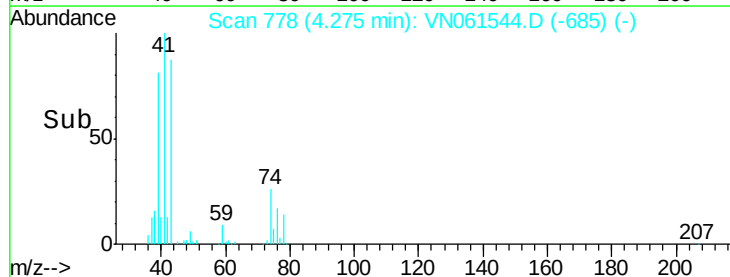
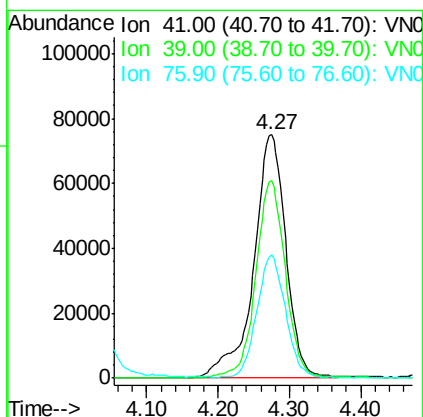
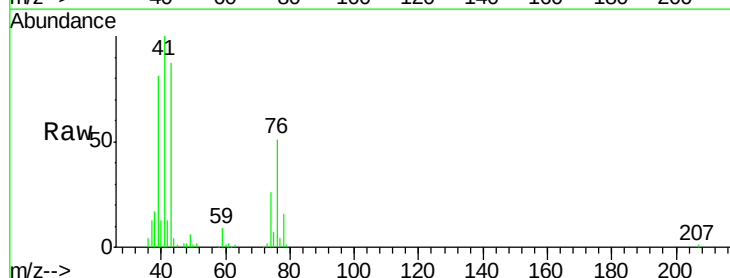
Tgt Ion: 41 Resp: 235537

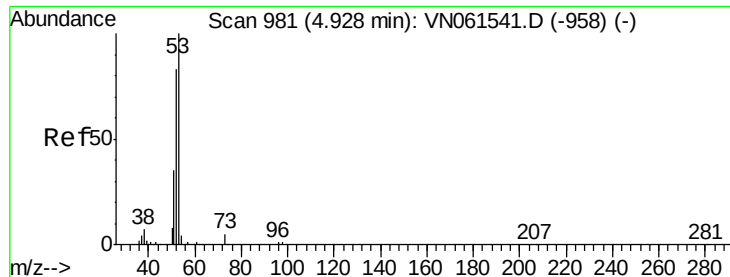
Ion Ratio Lower Upper

41 100

39 74.3 58.6 88.0

76 43.7 34.2 51.4





#15

Acrylonitrile

Concen: 259.279 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

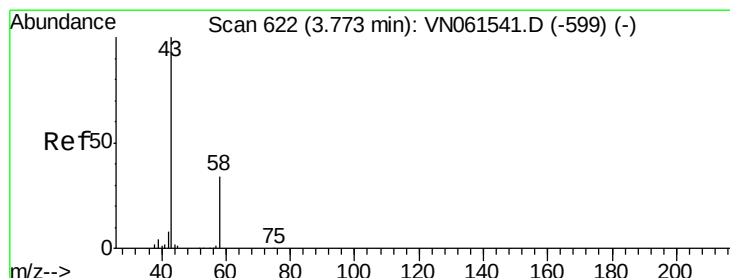
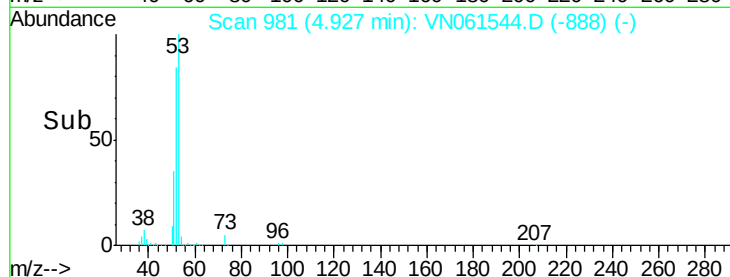
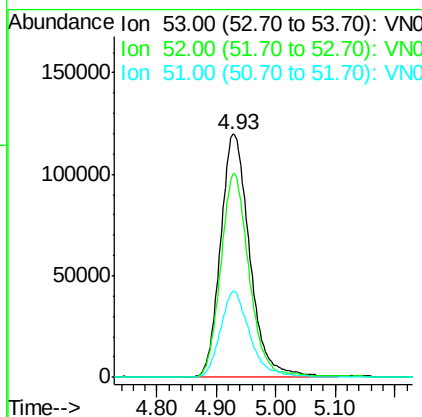
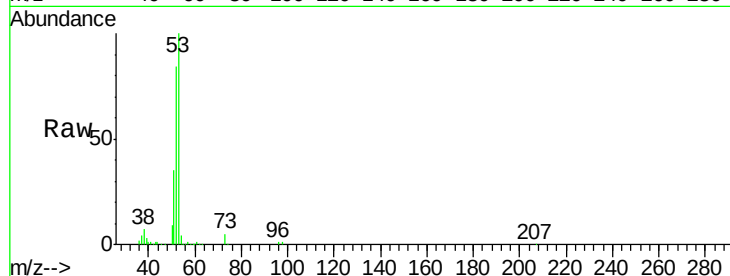
ClientSampleId :

ICVVN052820

Tot Ion:	53	Resp:	408535
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.4	98.2
51	36.0	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 267.054 ug/l

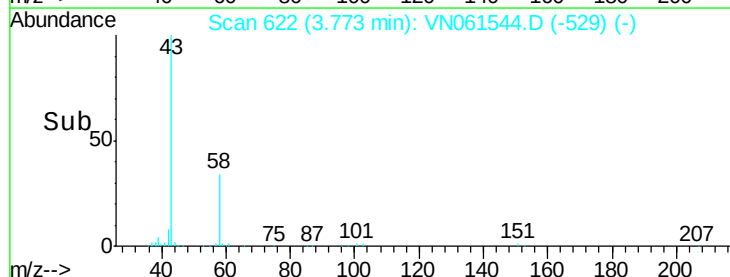
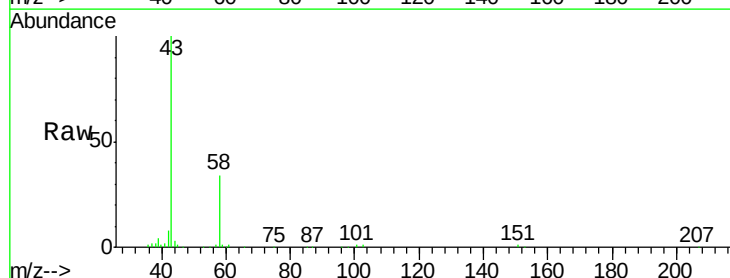
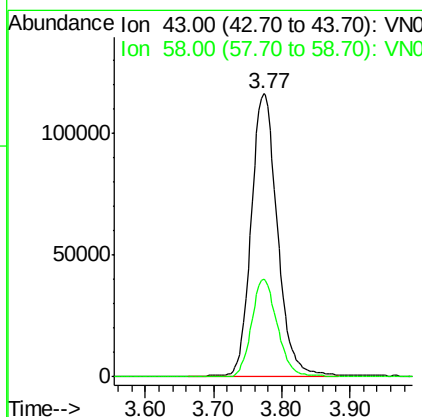
RT: 3.77 min Scan# 622

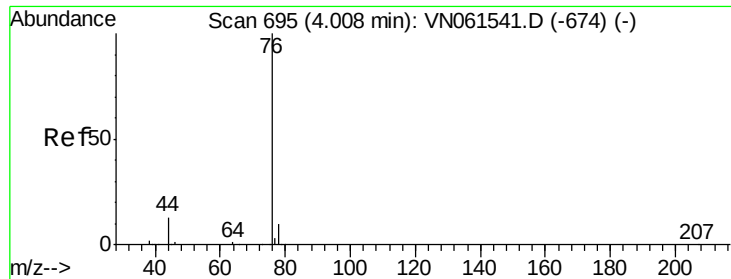
Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Tgt Ion:	43	Resp:	311867
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.2	40.8





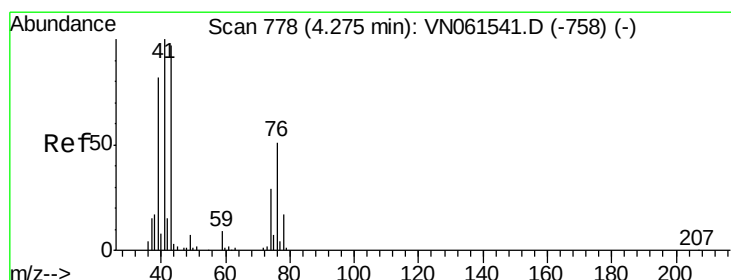
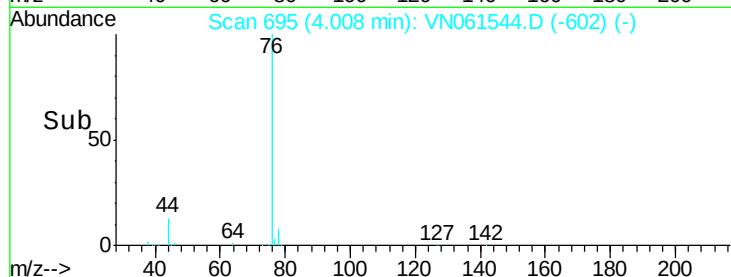
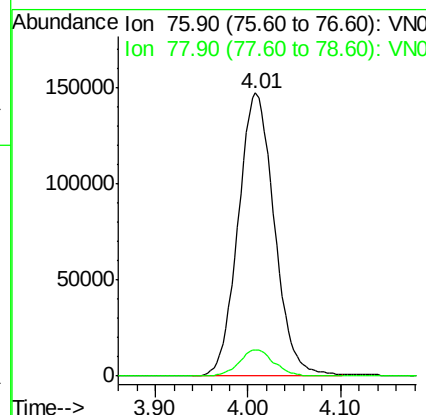
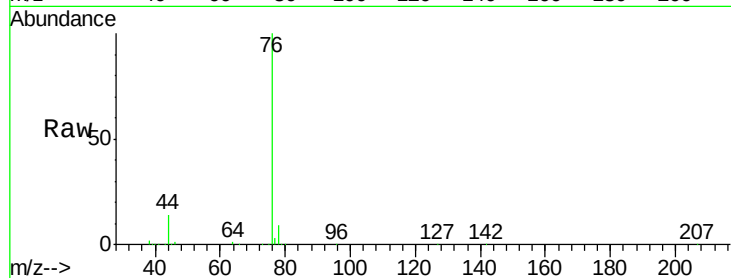
#17
Carbon Disulfide
Concen: 49.787 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
76	100	398696		
78	9.1		7.8	11.6

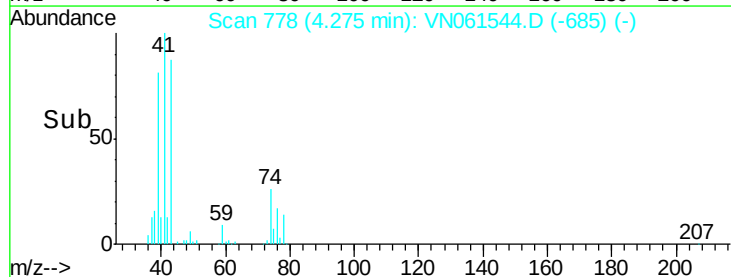
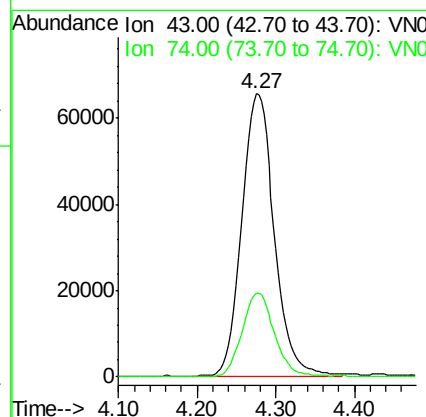
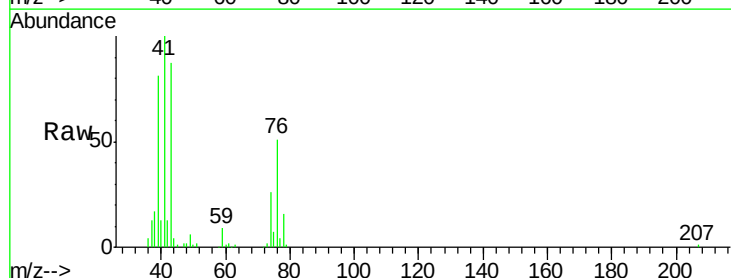
Manual Integrations
APPROVED

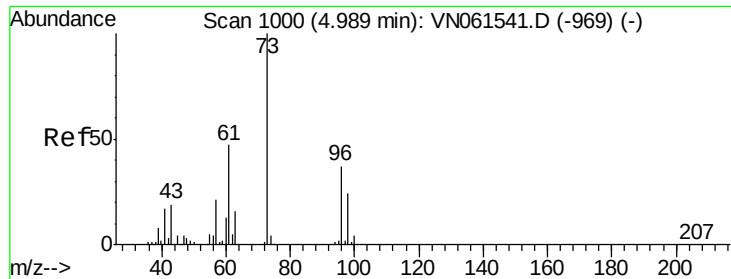
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#18
Methyl Acetate
Concen: 49.375 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	189697		
74	29.8		23.2	34.8





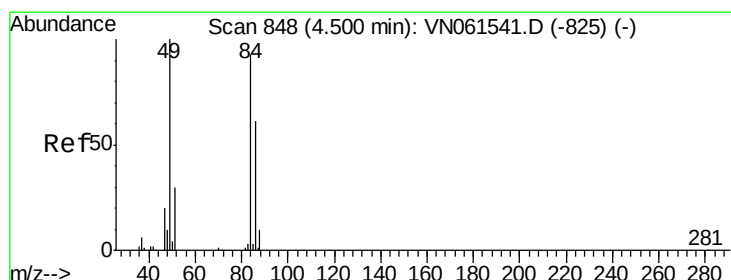
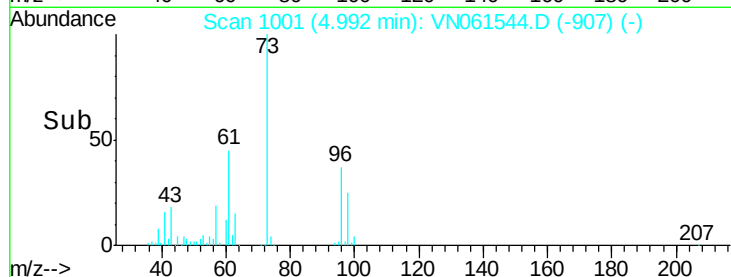
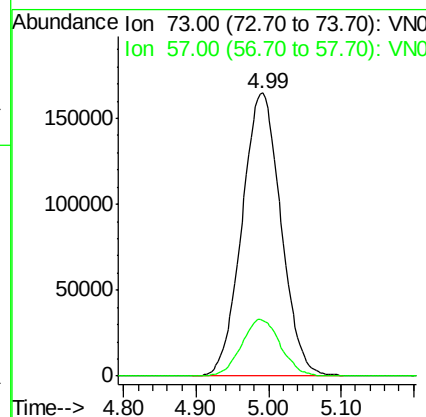
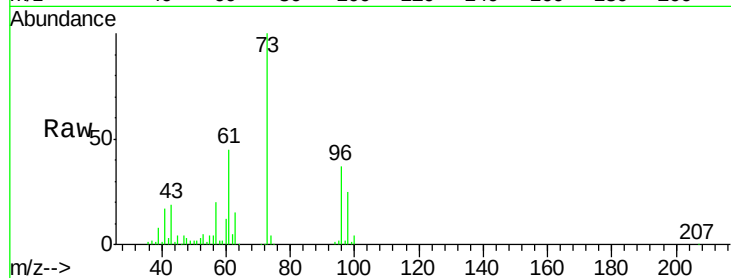
#19
Methvl tert-butvl Ether
Concen: 49.732 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion: 73 Resp: 616932
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6

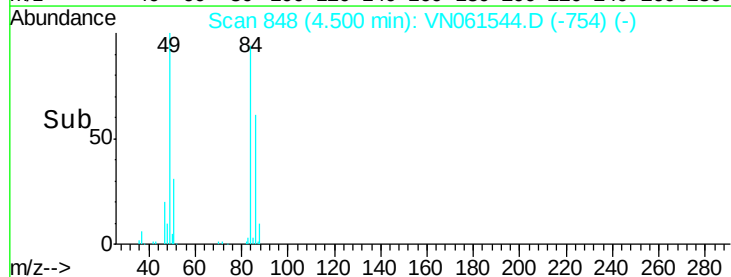
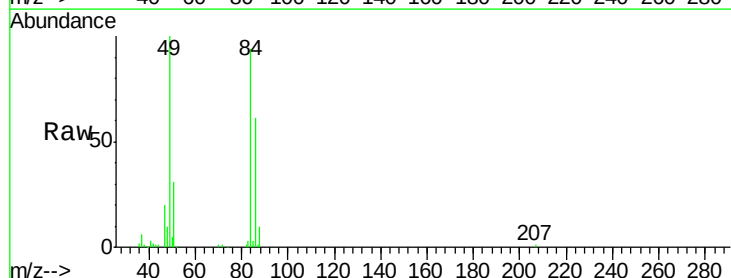
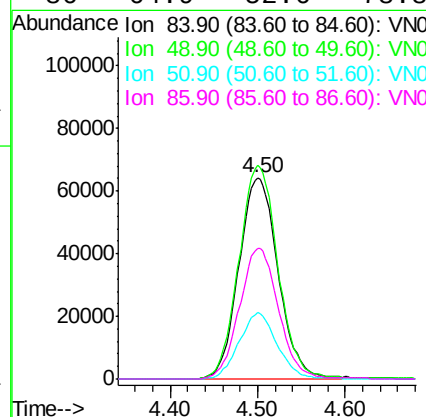
Manual Integrations
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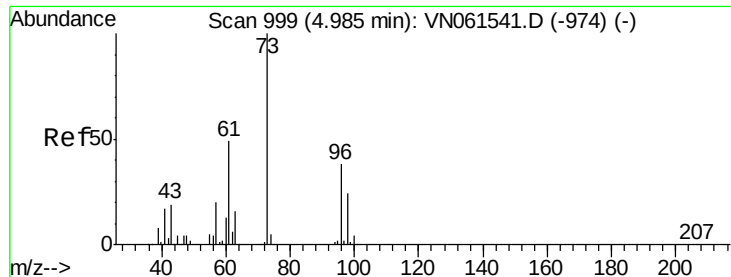
MMDadoda
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#20
Methylene Chloride
Concen: 51.946 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 84 Resp: 200120
Ion Ratio Lower Upper
84 100
49 106.0 85.8 128.8
51 32.8 26.2 39.2
86 64.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 49.633 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

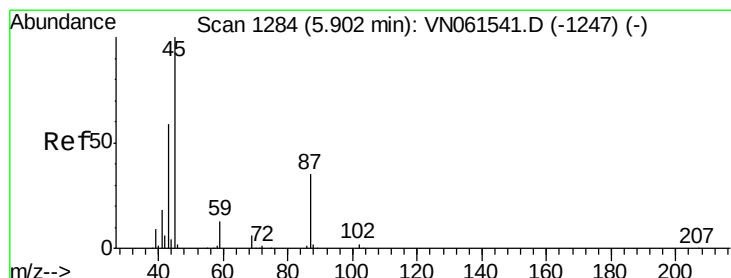
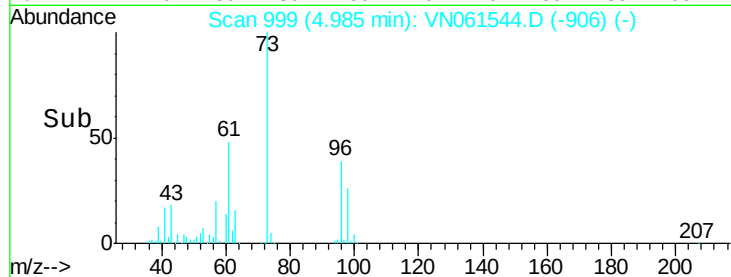
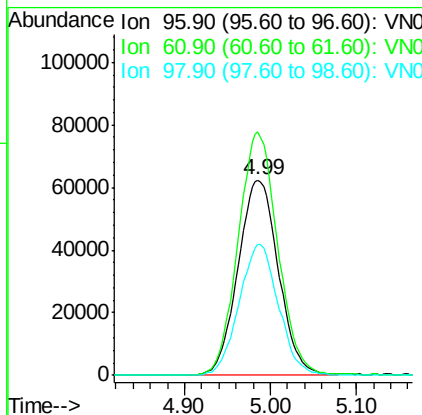
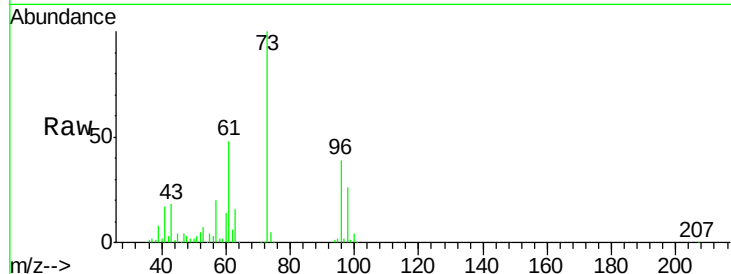
ClientSampleId :

ICVVN052820

Tot Ion:	96	Resp:	203734
Ion	Ratio	Lower	Upper
96	100		
61	124.6	101.4	152.0
98	66.9	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.594 ug/l

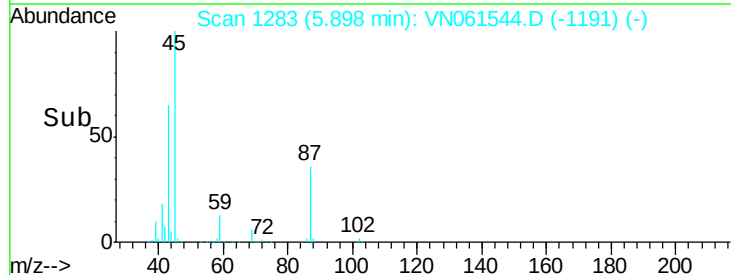
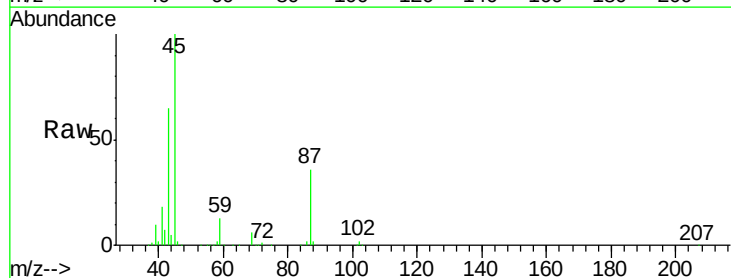
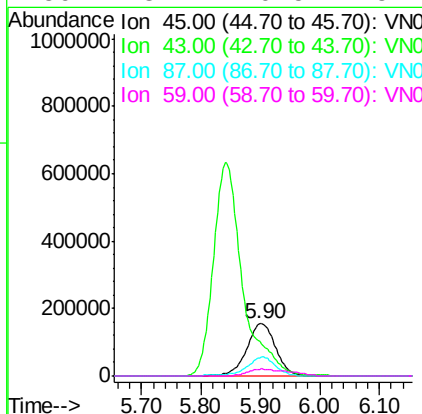
RT: 5.90 min Scan# 1283

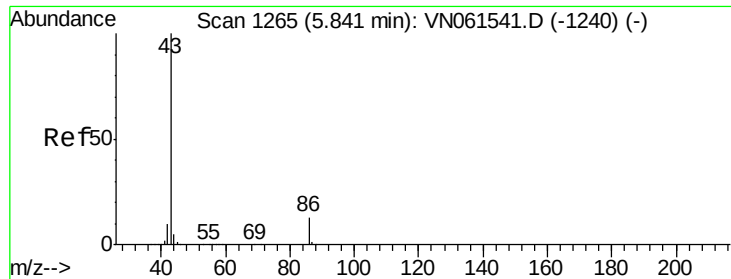
Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Tgt Ion:	45	Resp:	530637
Ion	Ratio	Lower	Upper
45	100		
43	64.4	47.9	71.9
87	35.7	28.4	42.6
59	13.1	10.5	15.7





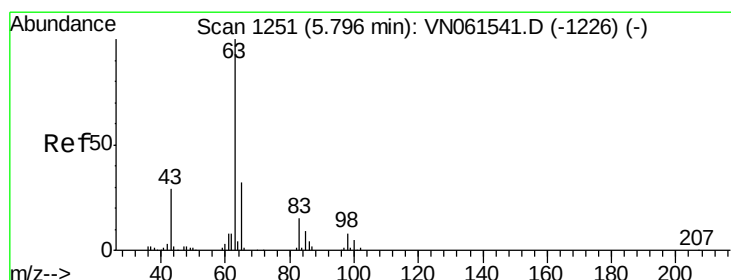
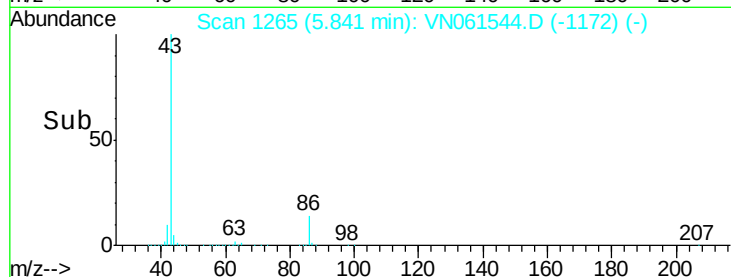
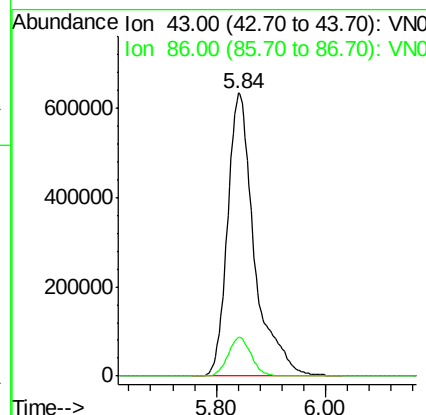
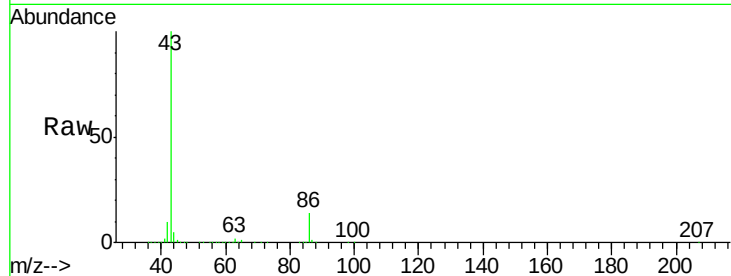
#23
 Vinyl Acetate
 Concen: 258.277 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion: 43 Resp: 2159006
 Ion Ratio Lower Upper
 43 100
 86 13.8 10.6 16.0

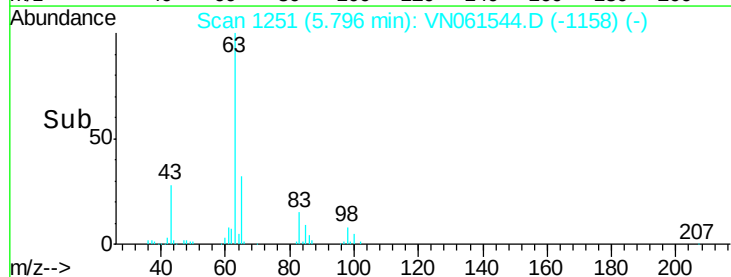
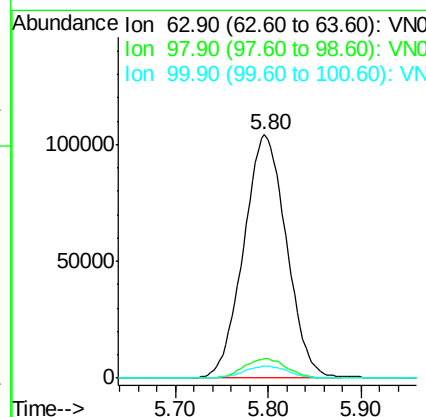
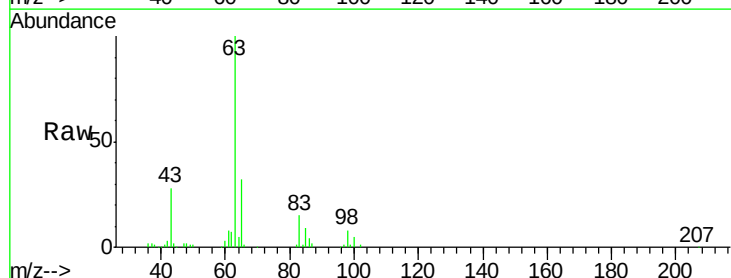
Manual Integrations
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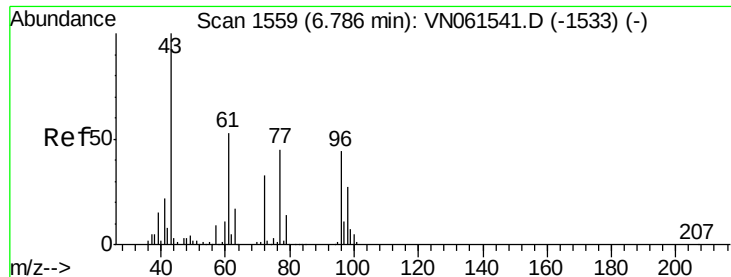
MMDadoda
 5/29/2020 5:46:55 PM



#24
 1,1-Dichloroethane
 Concen: 50.253 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 63 Resp: 334216
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.4
 100 5.1 2.5 7.6





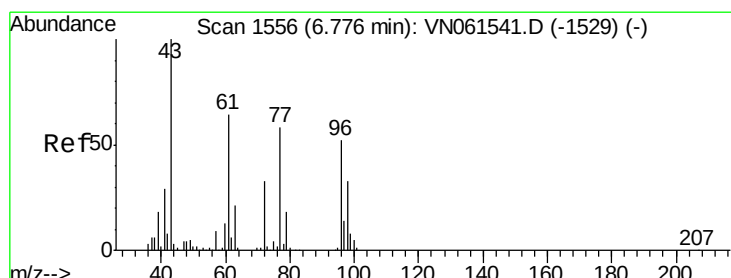
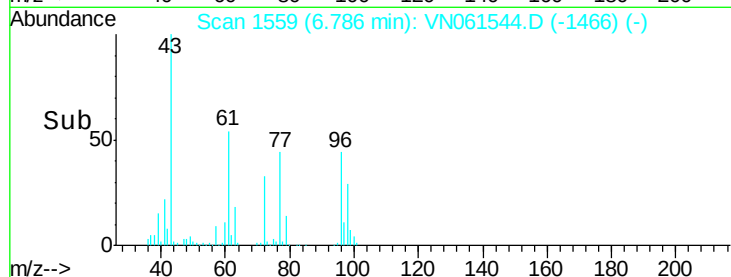
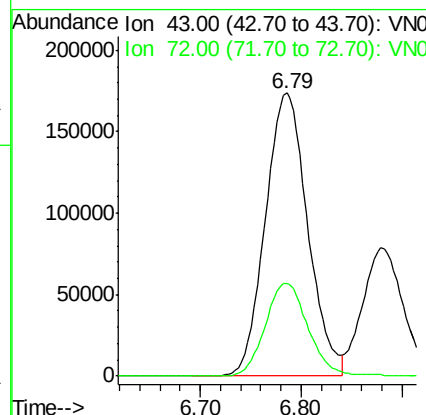
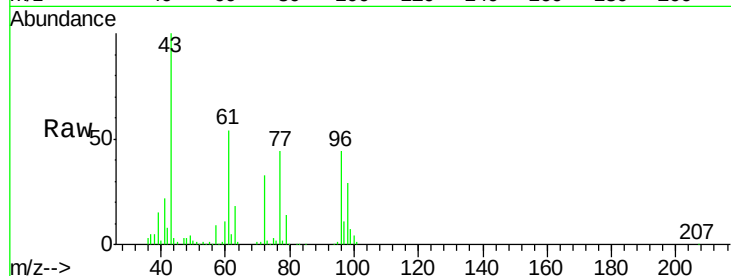
#25
2-Butanone
Concen: 251.982 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Lower	Upper
43	100		
72	32.8	26.0	39.0

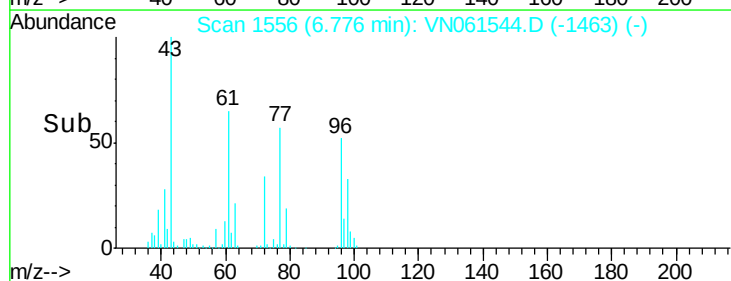
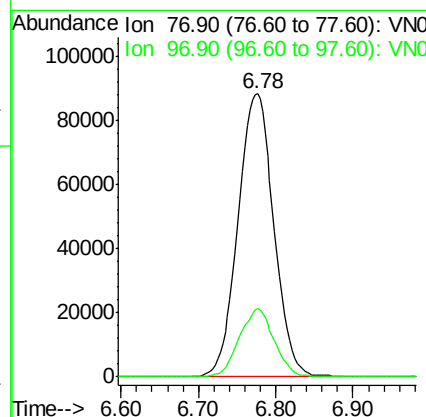
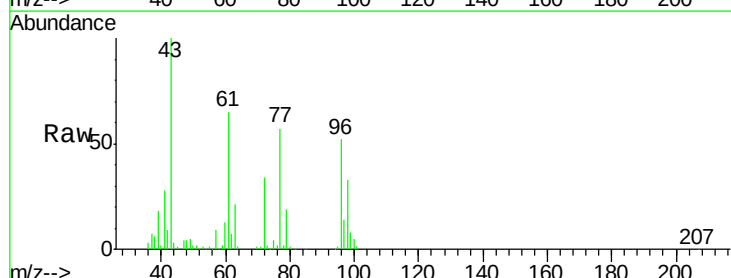
Manual Integrations
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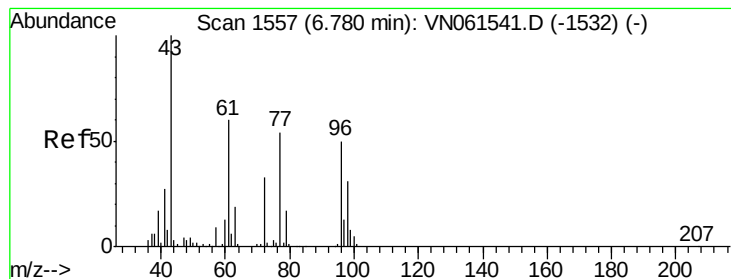
MMDadoda
5/29/2020 5:46:55 PM



#26
2,2-Dichloropropane
Concen: 46.713 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.4	12.0	36.0





#27

cis-1,2-Dichloroethene

Concen: 50.905 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

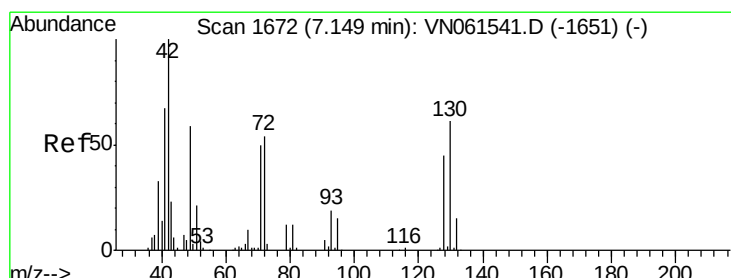
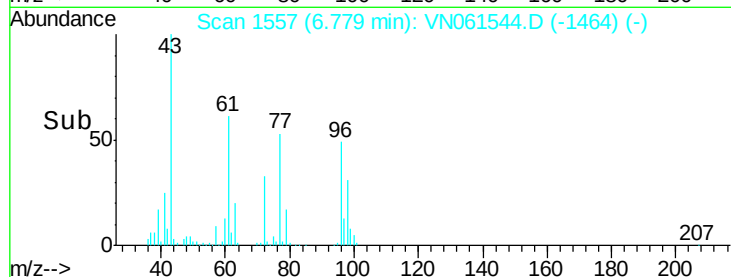
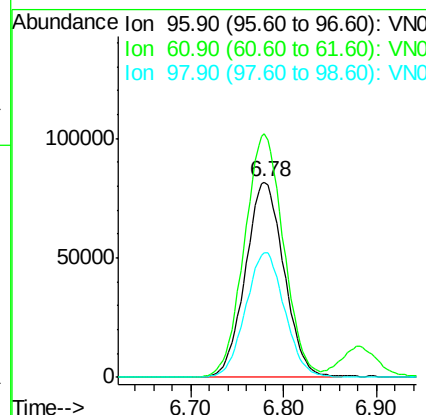
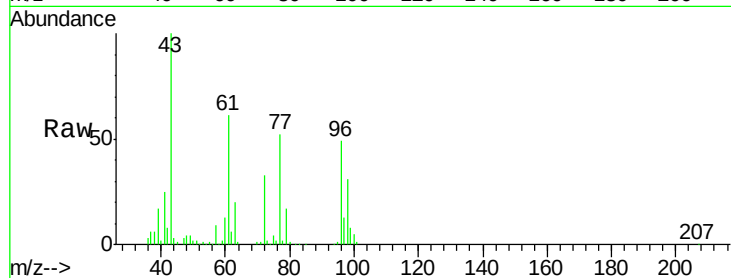
ClientSampleId :

ICVVN052820

Tot Ion:	96	Resp:	236615
Ion	Ratio	Lower	Upper
96	100		
61	126.2	0.0	252.2
98	64.2	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 52.814 ug/l

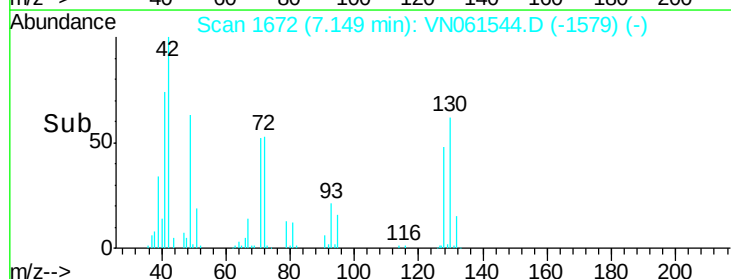
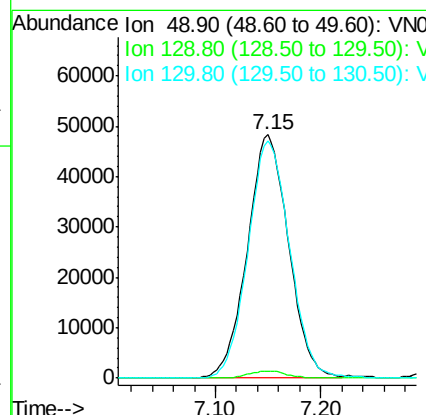
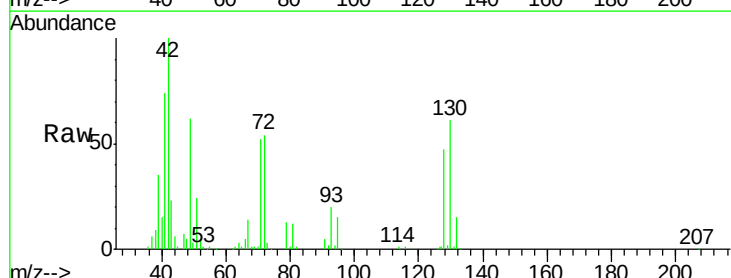
RT: 7.15 min Scan# 1672

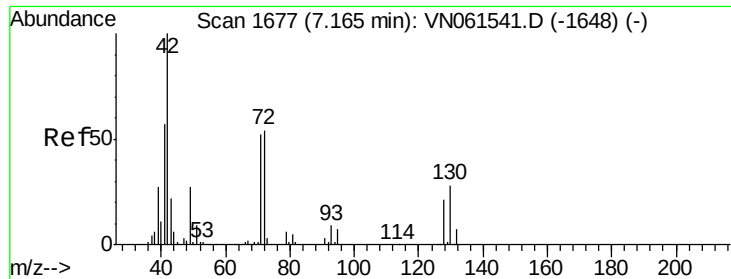
Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Tgt Ion:	49	Resp:	131667
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	98.3	78.8	118.2





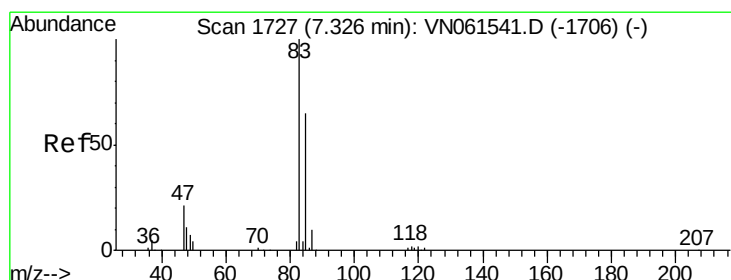
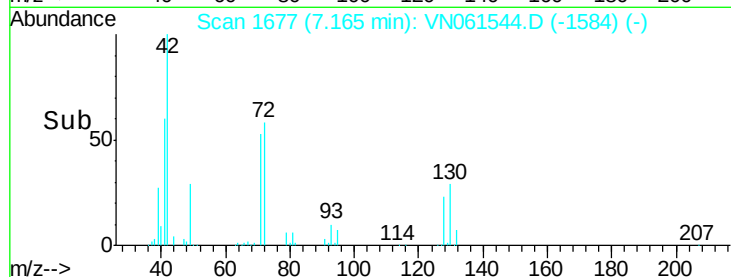
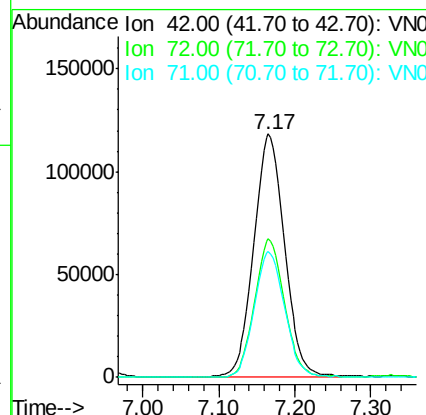
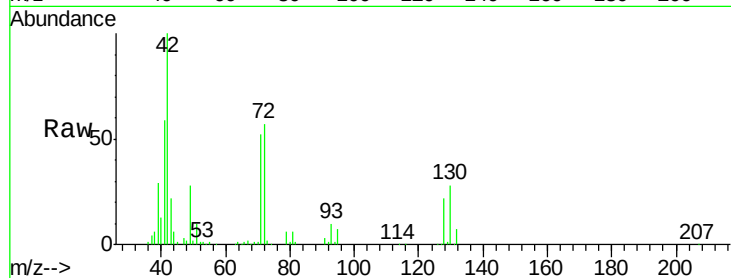
#29
Tetrahydrofuran
Concen: 252.667 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.0	43.6	65.4
71	50.8	41.2	61.8

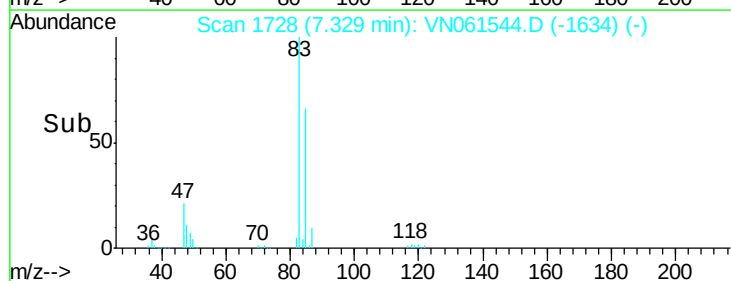
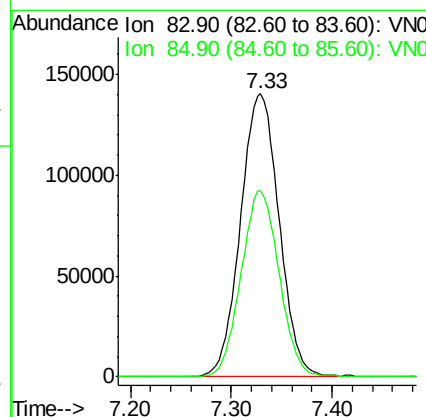
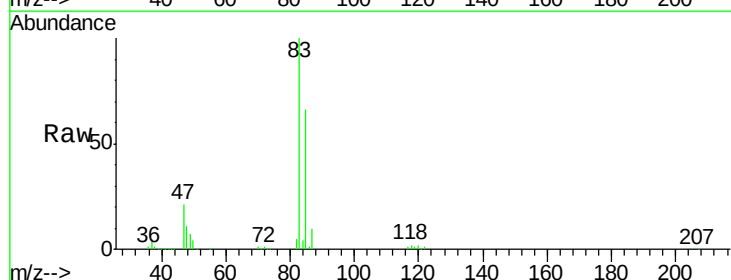
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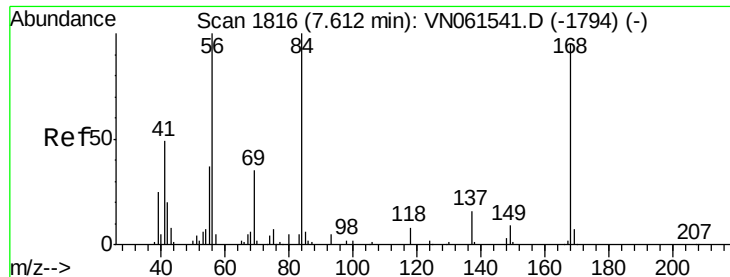
MMDadoda
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#30
Chloroform
Concen: 50.631 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.7	77.5





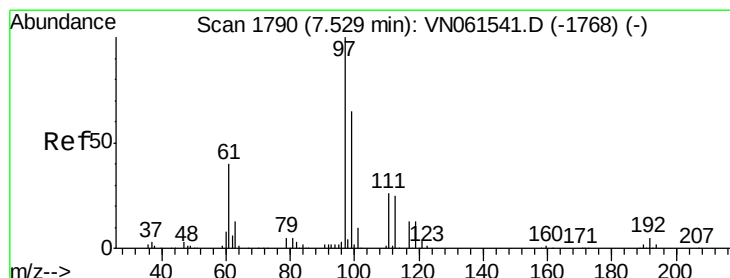
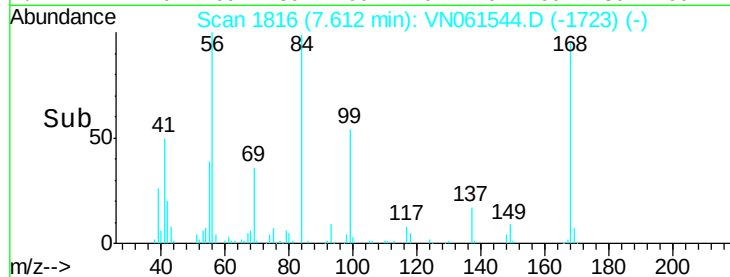
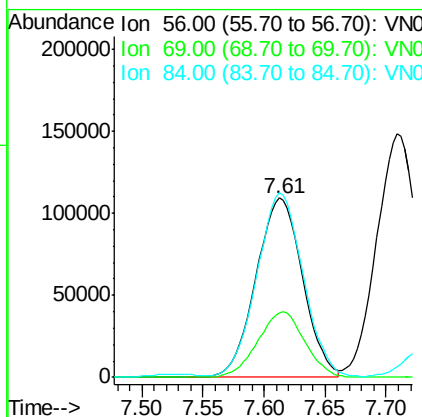
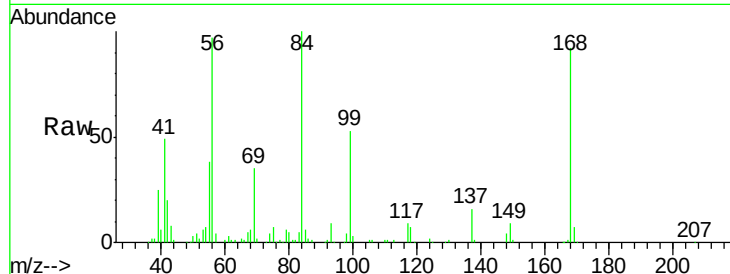
#31
Cyclohexane
Concen: 48.649 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampled :
ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
56	100	290986		
69	36.0		27.8	41.8
84	101.0		79.9	119.9

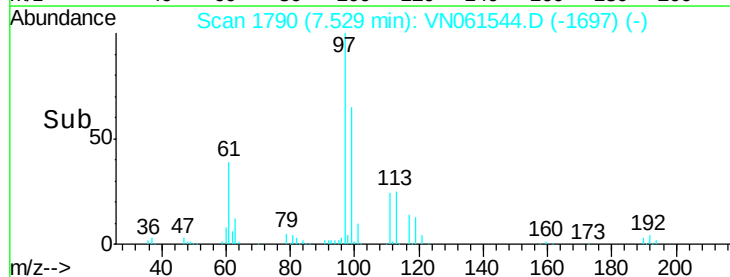
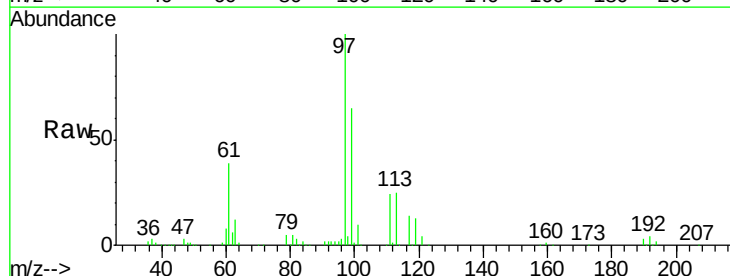
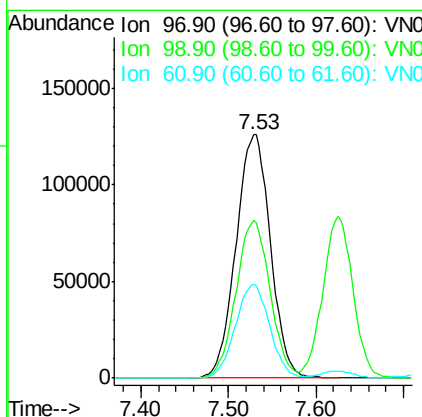
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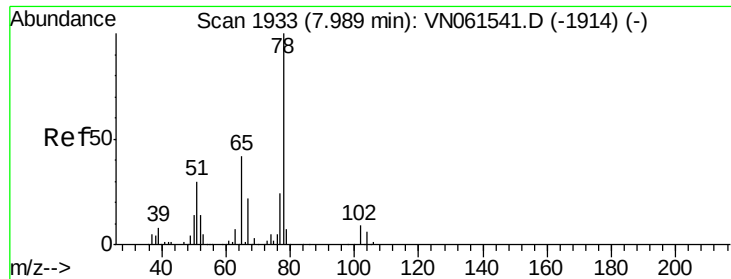
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.389 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	344531		
99	64.1		51.4	77.0
61	38.2		31.4	47.0





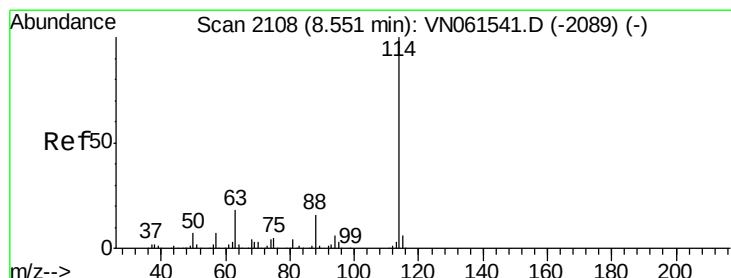
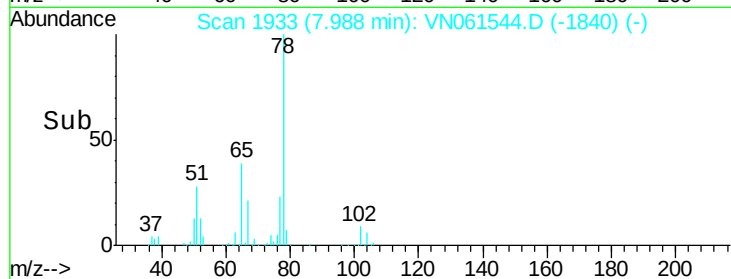
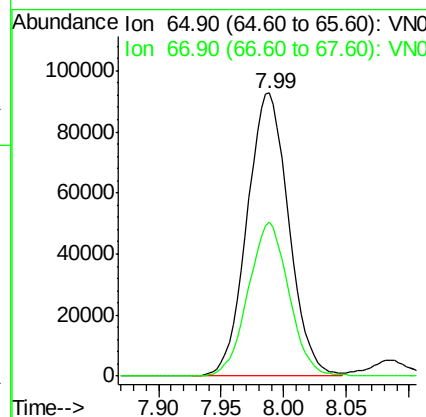
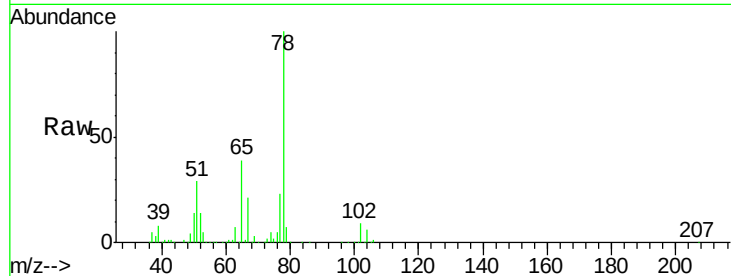
#33
 1,2-Dichloroethane-d4
 Concen: 50.556 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214564		
67	53.3	0.0	104.8	

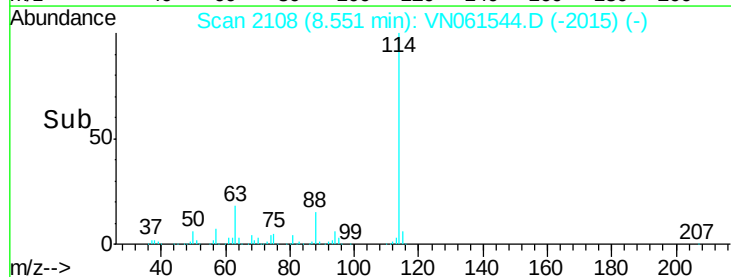
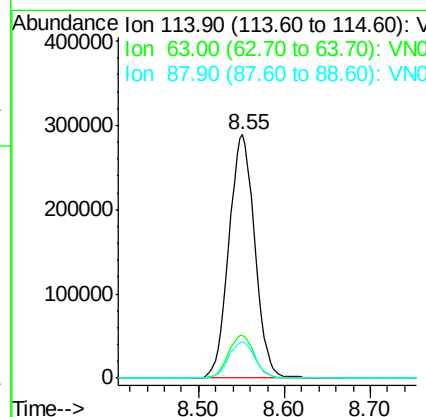
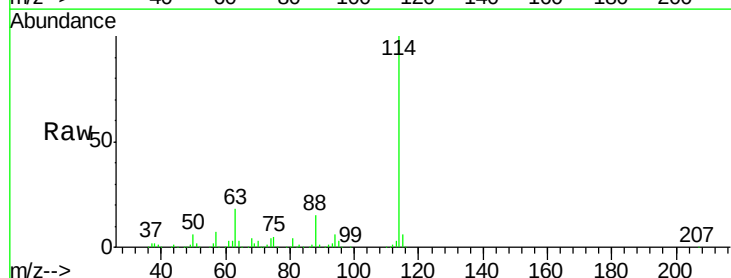
Manual Integrations
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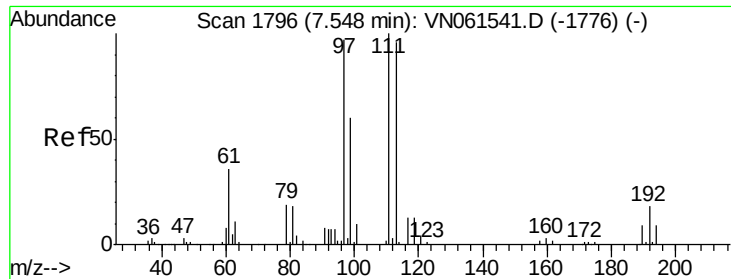
MMDadoda
 5/29/2020 5:46:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	603817		
63	17.6	0.0	35.8	
88	15.0	0.0	31.0	





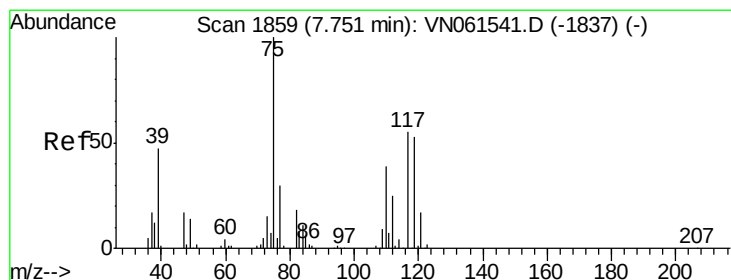
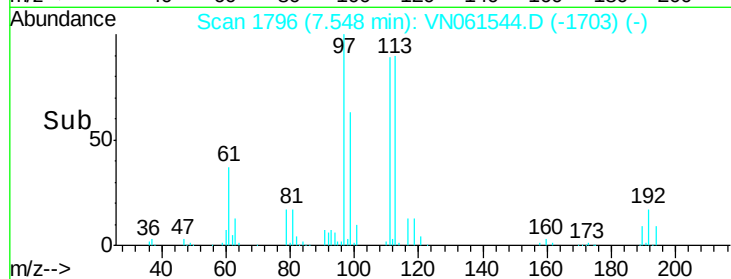
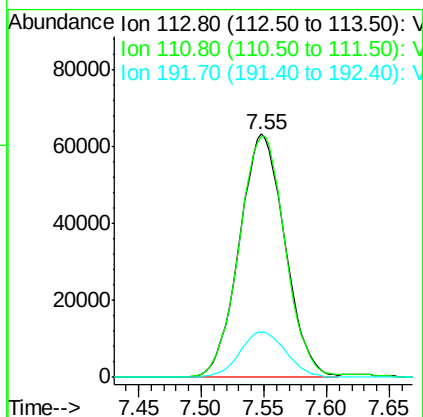
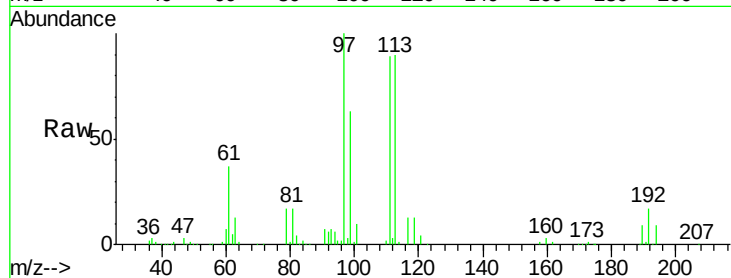
#35
 Dibromofluoromethane
 Concen: 52.221 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159957		
111	100.4	83.4	125.0	
192	18.9	15.4	23.2	

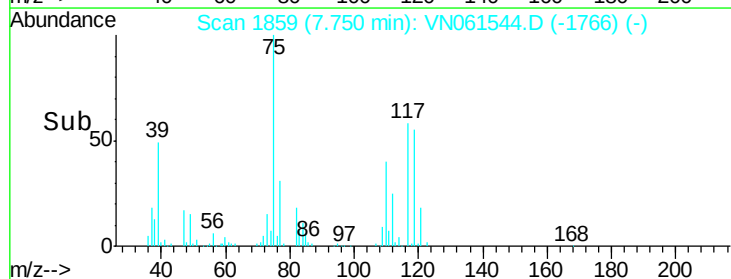
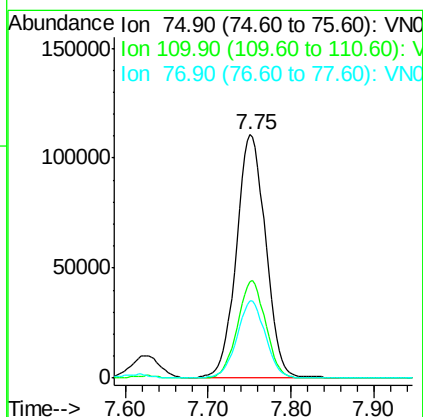
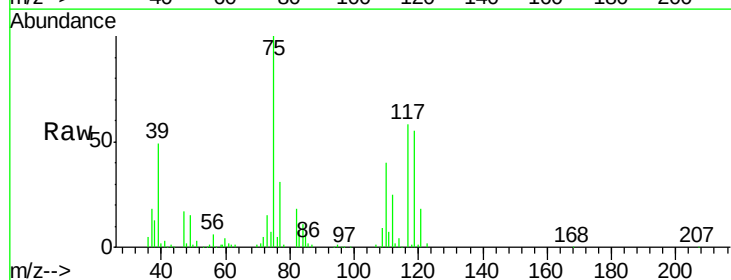
Manual Integrations
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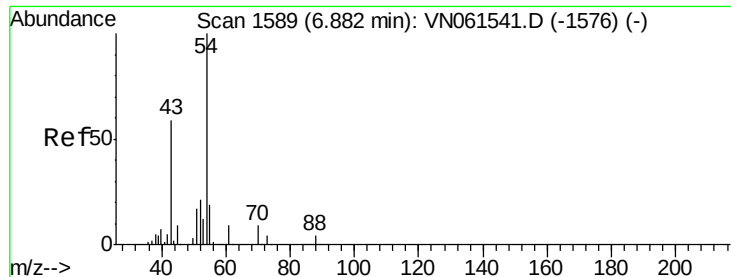
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#36
 1,1-Dichloropropene
 Concen: 50.736 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	271203		
110	38.7	19.5	58.5	
77	31.0	24.7	37.1	





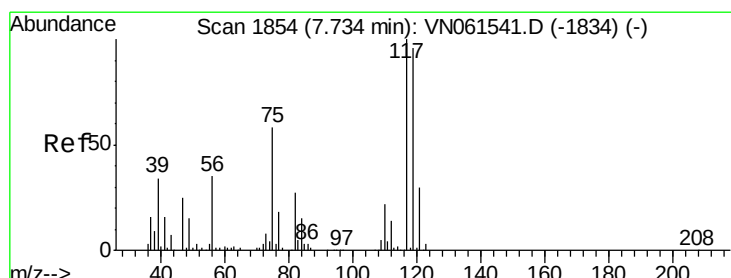
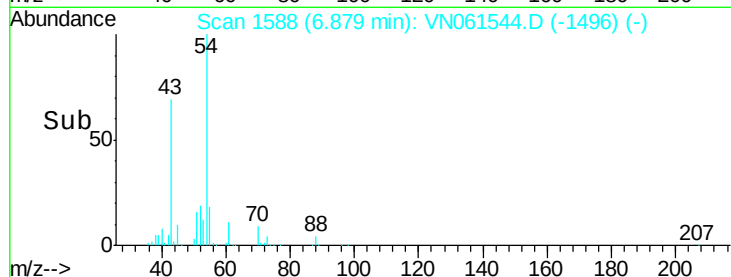
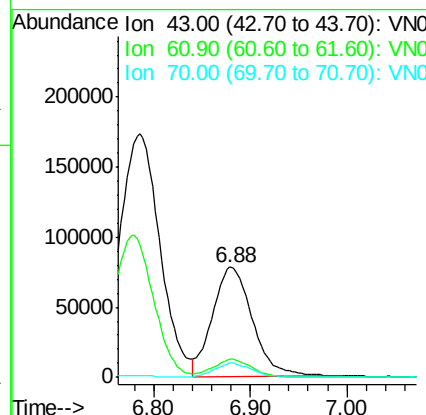
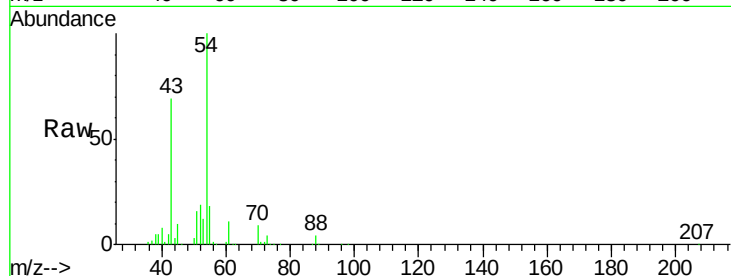
#37
Ethyl Acetate
Concen: 52.375 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	43	61	70	Ratio	Lower	Upper
225491	100	15.6	12.2		12.2	18.4
			9.4		14.2	

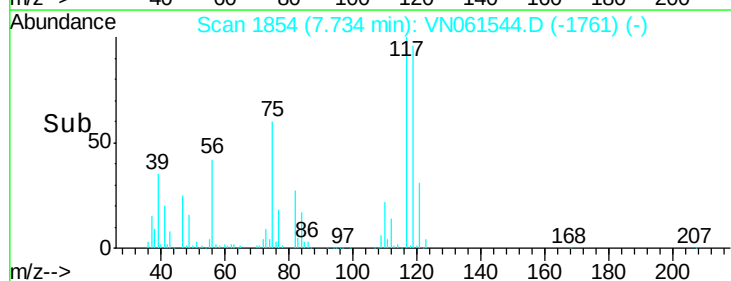
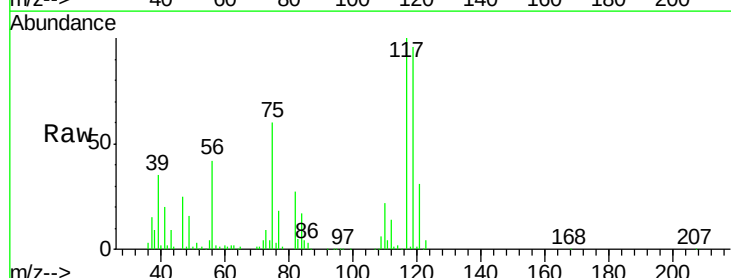
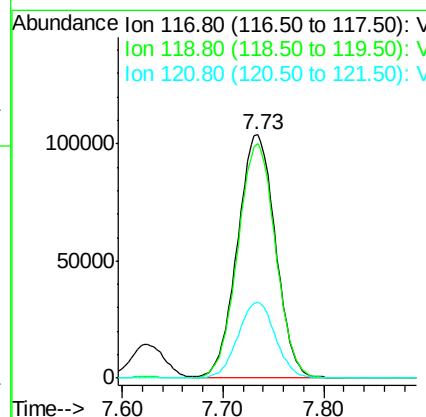
Manual Integrations
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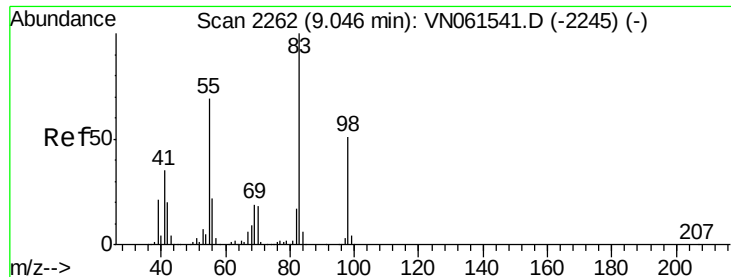
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#38
Carbon Tetrachloride
Concen: 52.547 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	117	119	121	Ratio	Lower	Upper
270930	100	96.6	31.5		76.5	114.7
			24.1		36.1	





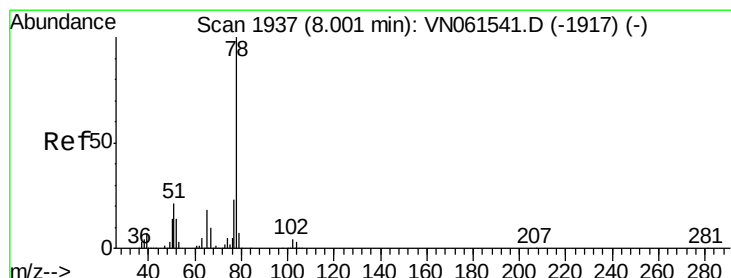
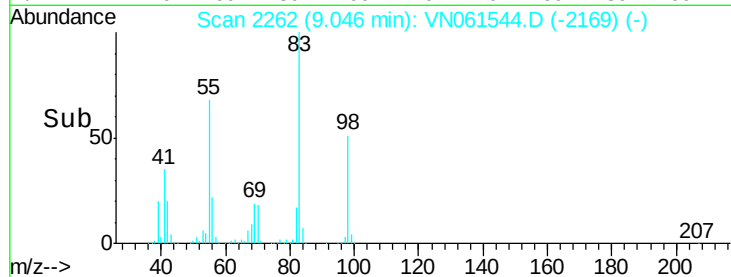
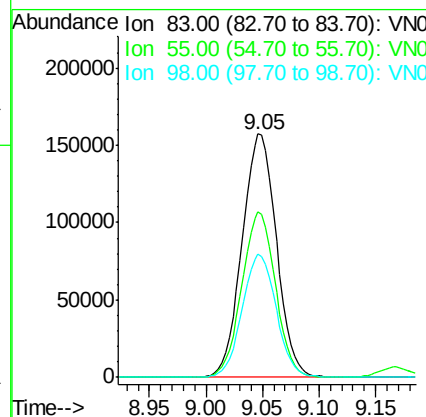
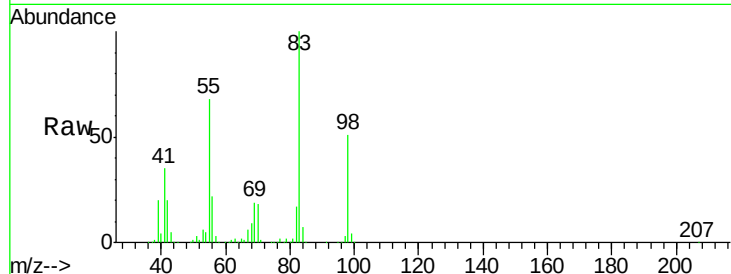
#39
Methylvlcyclohexane
Concen: 50.696 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.1	54.9	82.3	
98	50.6	41.0	61.4	

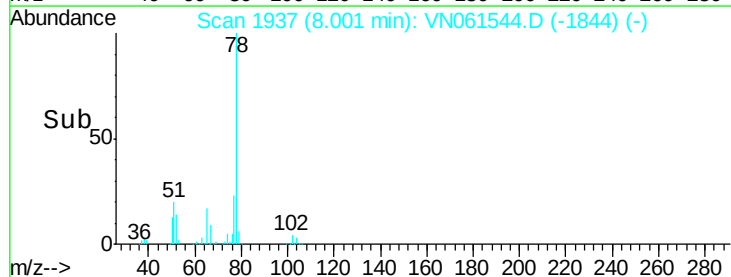
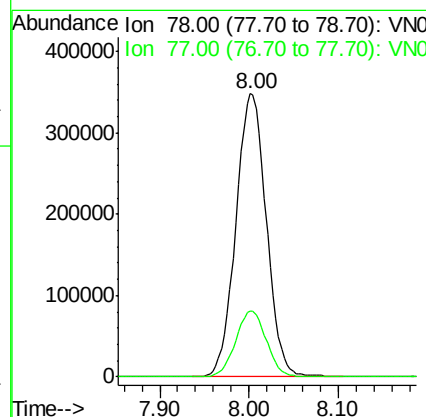
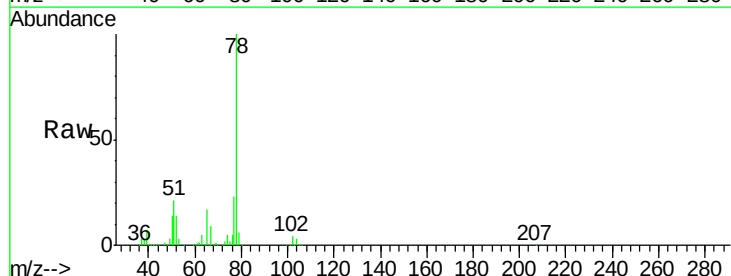
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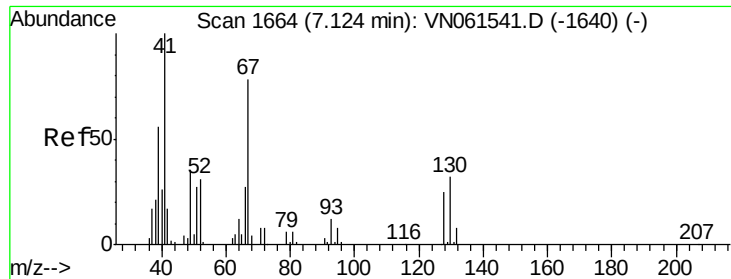
MMDadoda
5/29/2020 5:46:55 PM



#40
Benzene
Concen: 50.067 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.6	28.0	





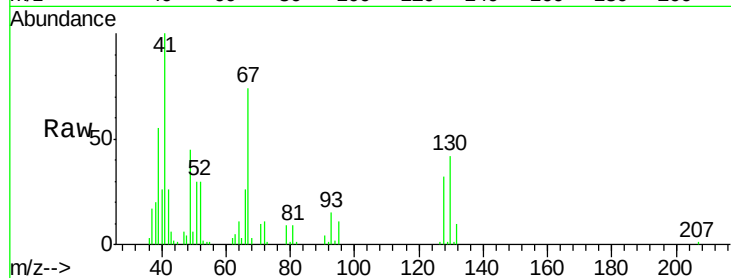
#41
Methacrylonitrile
Concen: 49.057 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	41	Resp	96767
Ion Ratio	Lower	Upper	
41	100		
39	66.7	53.8	80.6
67	104.3	91.1	136.7
52	40.4	36.0	54.0

Manual Integrations
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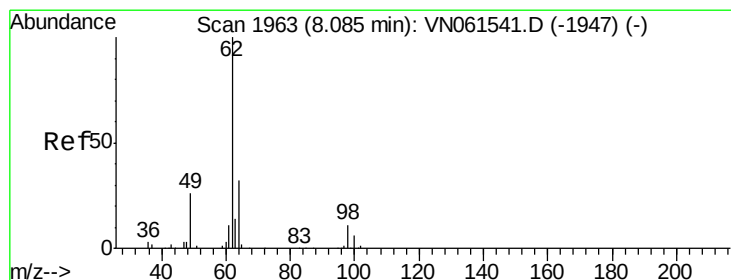
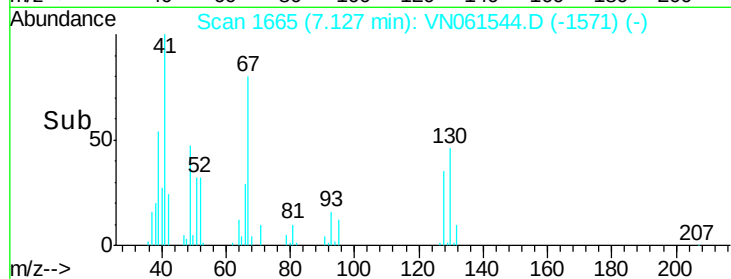
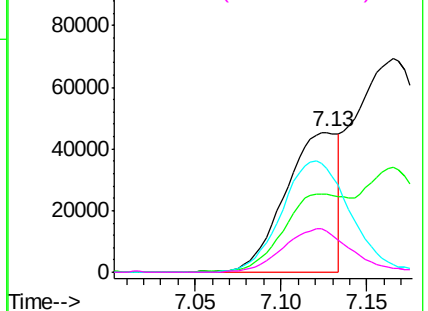


Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-1640) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-1640) (-)

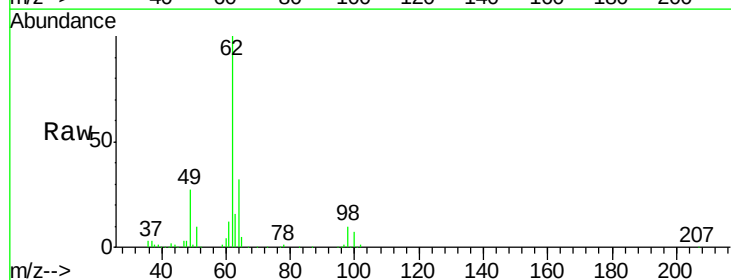
Ion 67.00 (66.70 to 67.70): VN061541.D (-1640) (-)

Ion 52.00 (51.70 to 52.70): VN061541.D (-1640) (-)



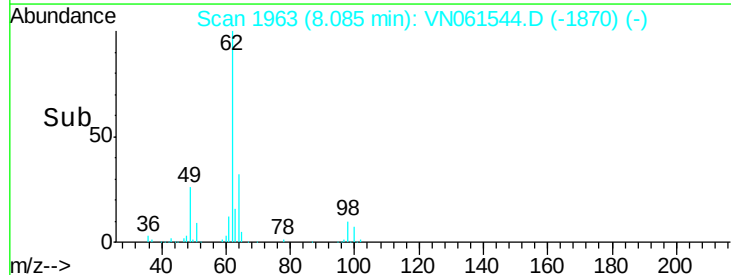
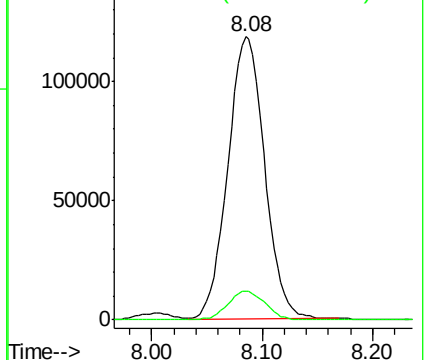
#42
1,2-Dichloroethane
Concen: 49.611 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

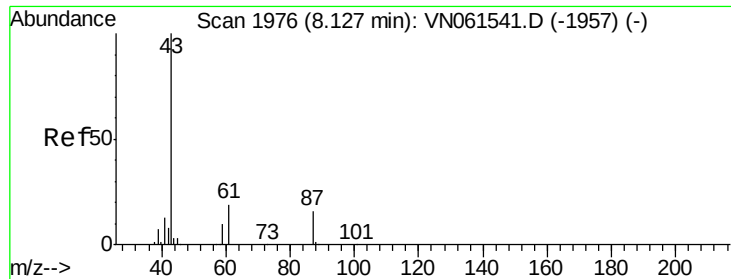
Tgt Ion	62	Resp	273934
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VN061541.D (-1947) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1947) (-)





#43

Isopropyl Acetate

Concen: 50.192 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

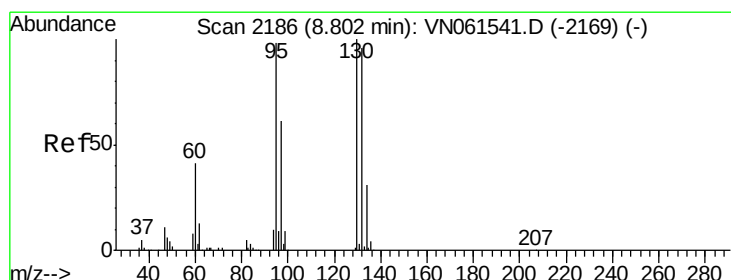
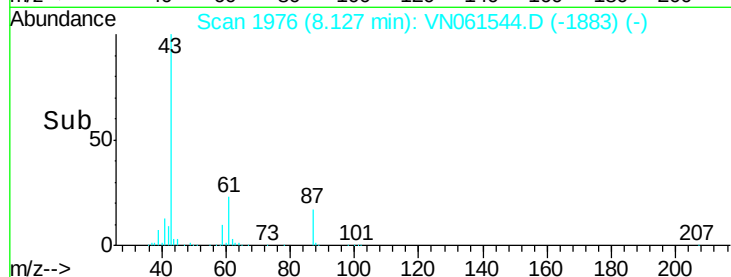
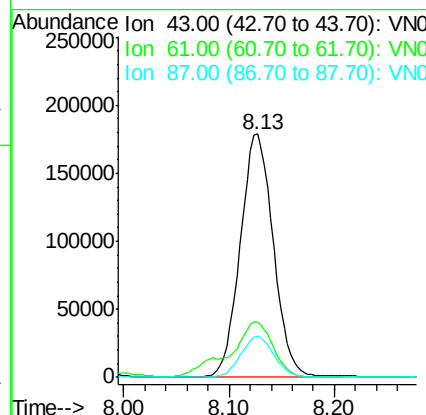
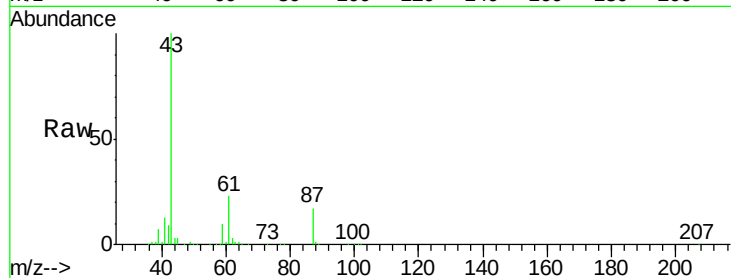
ClientSampleId :

ICVVN052820

Tot Ion:	43	Resp:	388777
Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.6	35.4
87	17.0	13.0	19.6

Manual Integrations
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#44

Trichloroethene

Concen: 51.222 ug/l

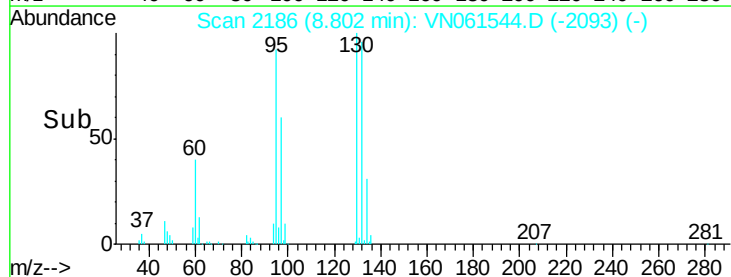
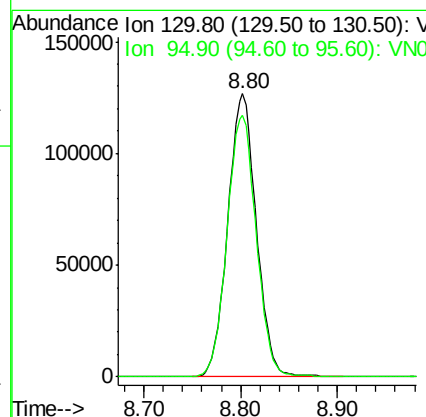
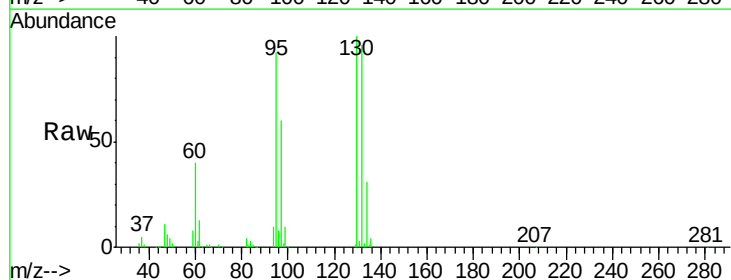
RT: 8.80 min Scan# 2186

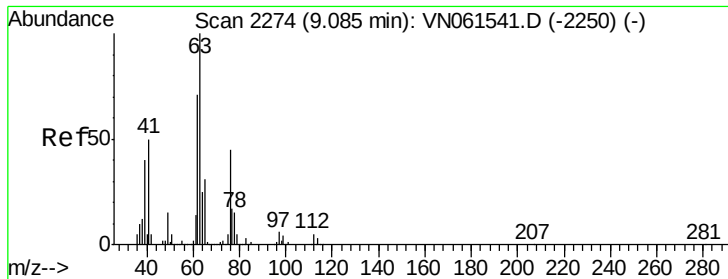
Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Tgt Ion:	130	Resp:	259628
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	196.6





#45

1,2-Dichloropropane

Concen: 50.471 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

Tot Ion: 63 Resp: 197659

Ion Ratio Lower Upper

63 100

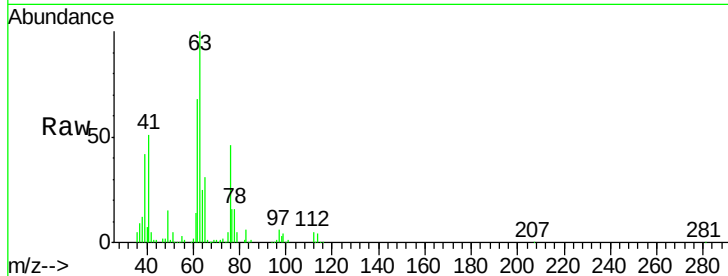
65 31.2 24.7 37.1

Manual Integrations

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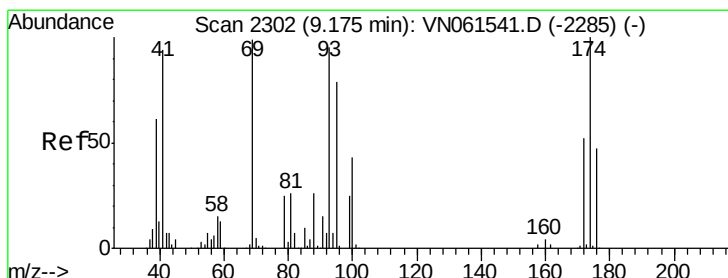
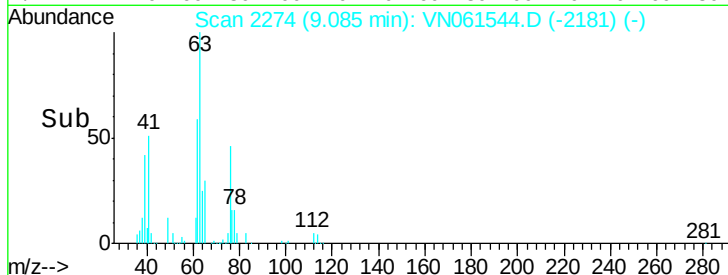
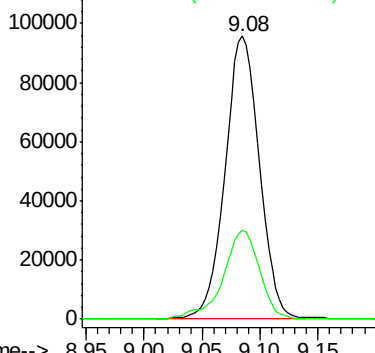
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.713 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

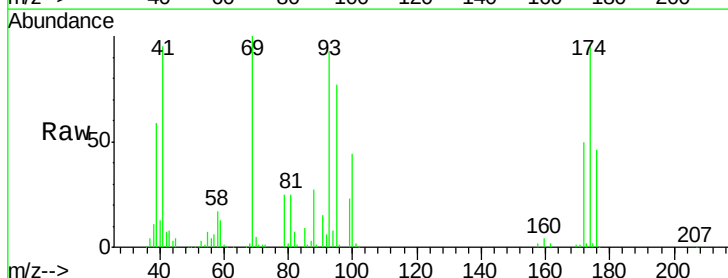
Tgt Ion: 93 Resp: 149318

Ion Ratio Lower Upper

93 100

95 83.6 66.0 99.0

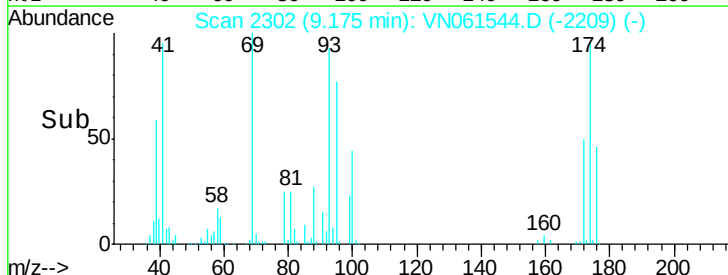
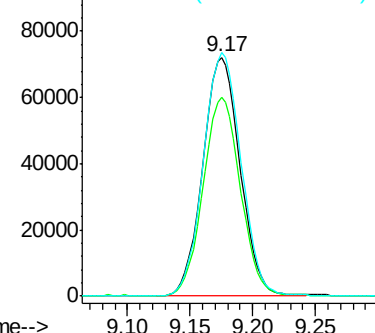
174 103.2 82.5 123.7

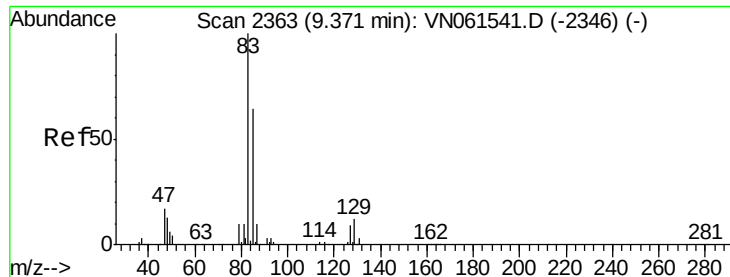


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.010 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

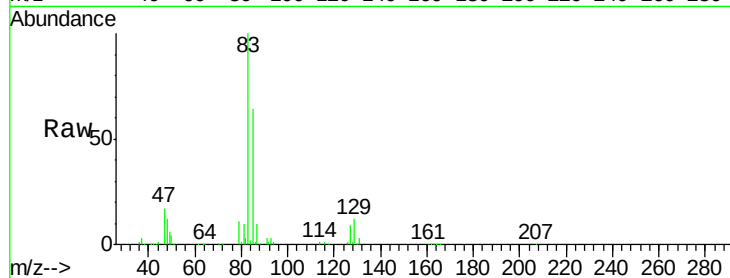
ClientSampleId :

ICVVN052820

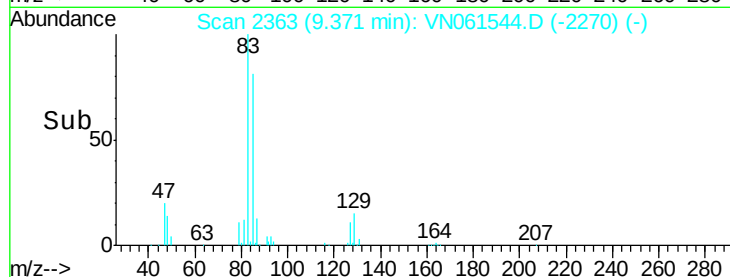
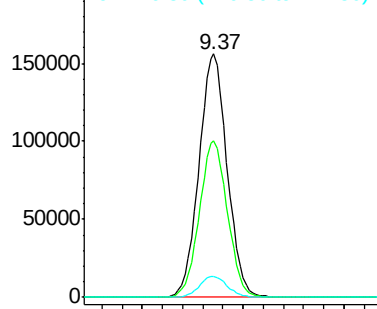
Tot Ion:	83	Resp:	303550
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	8.6	7.2	10.8

Manual Integrations
APPROVED

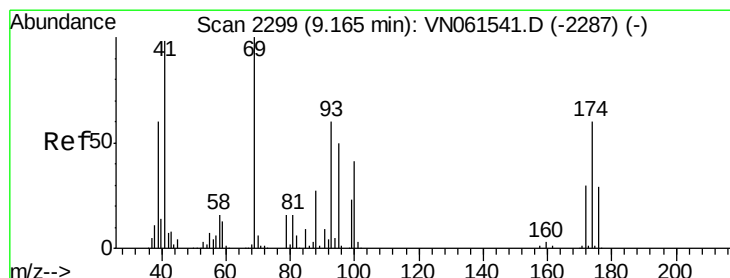
MMDadoda
5/29/2020 5:46:55 PM



Abundance Ion 82.90 (82.60 to 83.60): VN061544.D (-2270) (-)



Time-->



#48

Methyl methacrylate

Concen: 48.699 ug/l

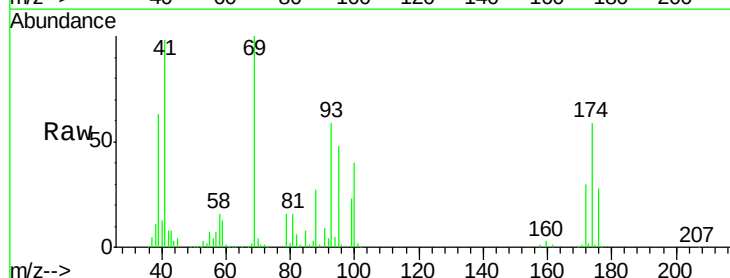
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

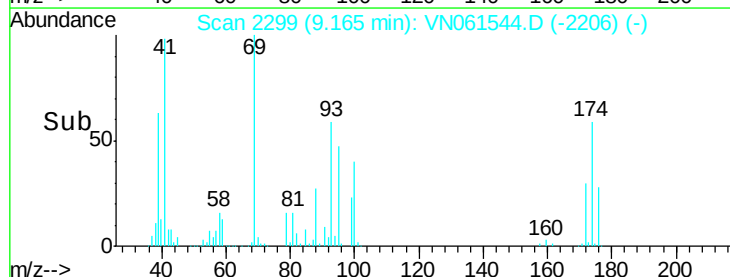
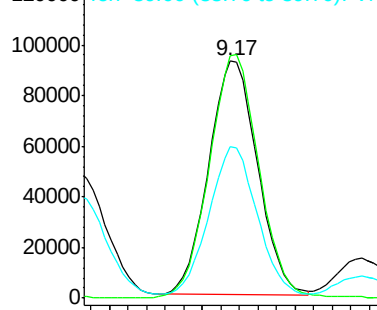
Lab File: VN061544.D

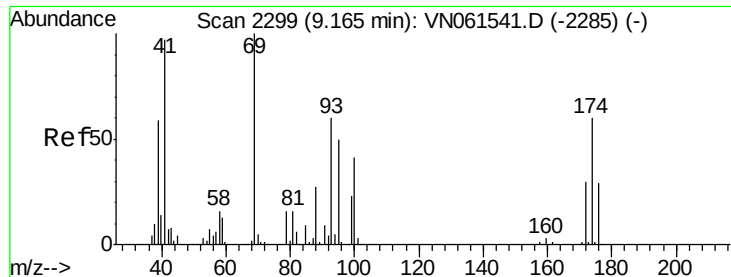
Acq: 28 May 2020 20:29

Tgt Ion:	41	Resp:	169714
Ion	Ratio	Lower	Upper
41	100		
69	105.6	83.9	125.9
39	64.9	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061544.D (-2206) (-)





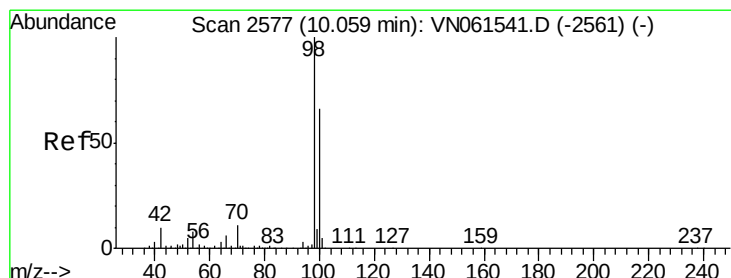
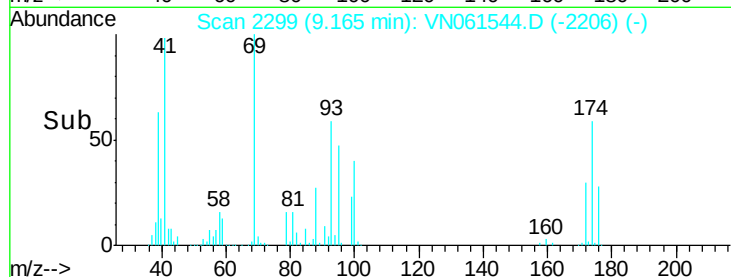
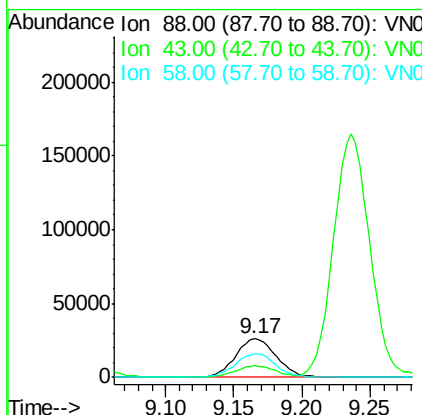
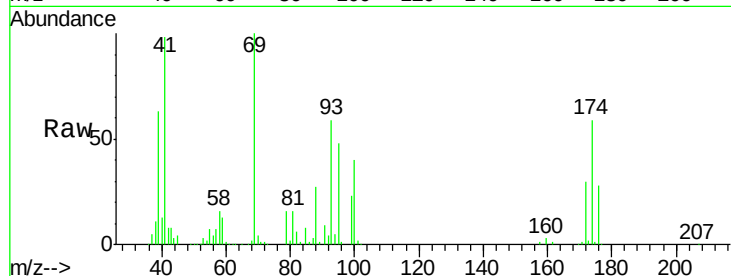
#49
1,4-Dioxane
Concen: 1001.322 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	23.1	34.7
58	60.4	48.3	72.5

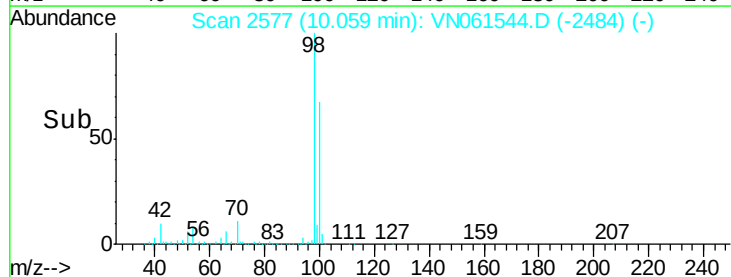
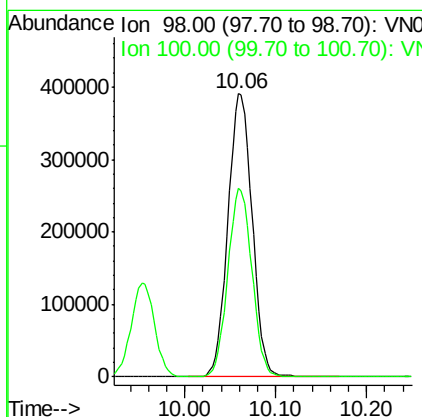
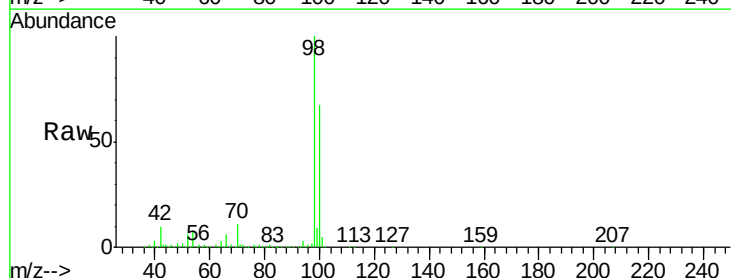
Manual Integrations
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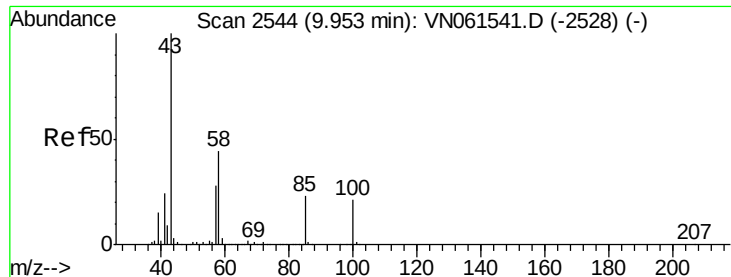
MMDadoda
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#50
Toluene-d8
Concen: 50.979 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 256.238 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

Tot Ion: 43 Resp: 1118463

Ion Ratio Lower Upper

43 100

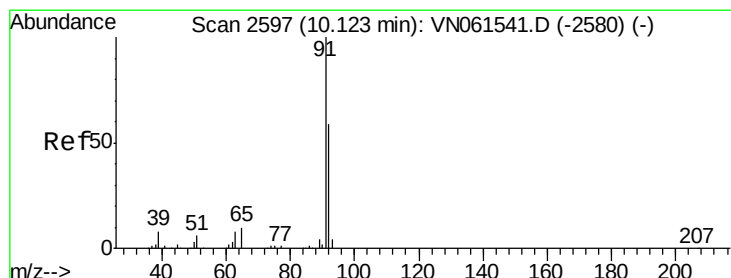
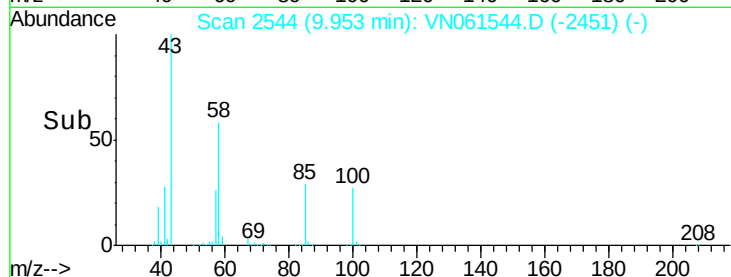
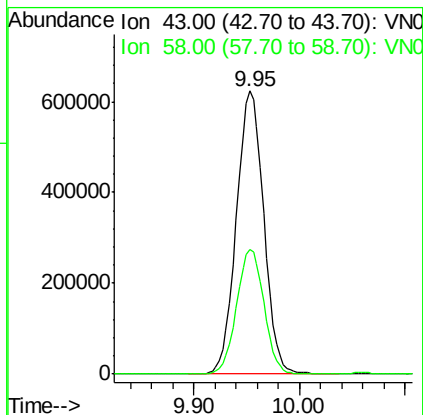
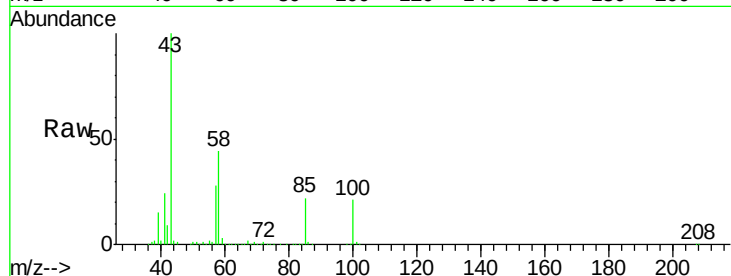
58 44.2 35.0 52.6

Manual Integrations

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#52

Toluene

Concen: 51.137 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061544.D

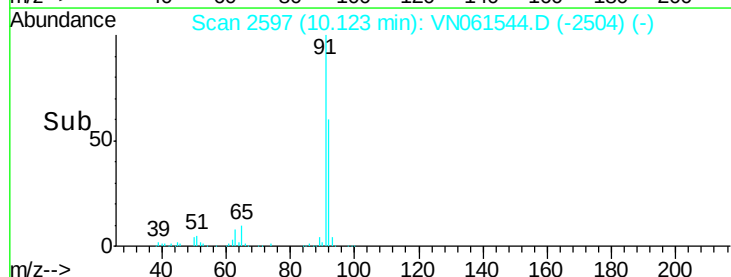
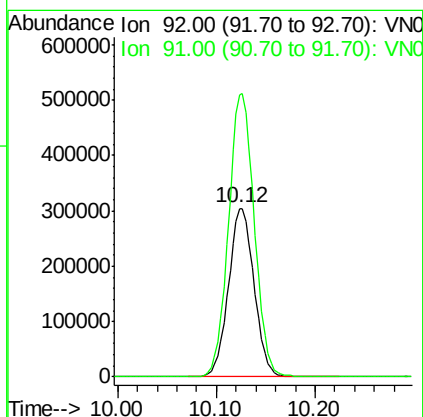
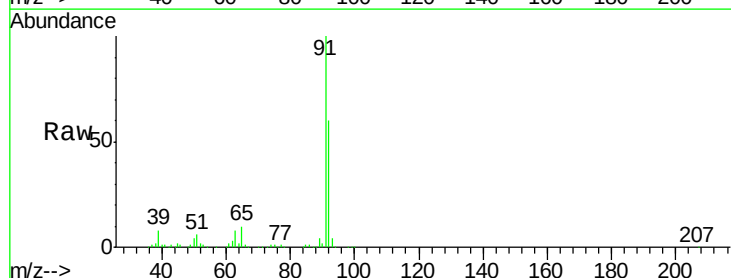
Acq: 28 May 2020 20:29

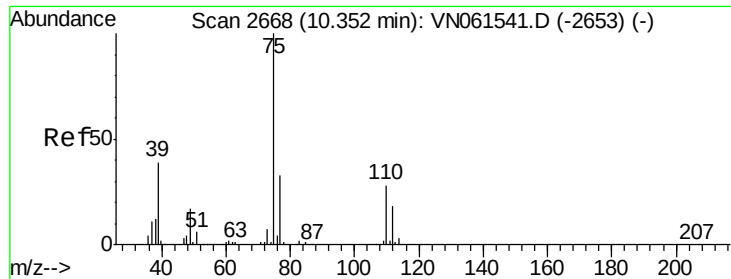
Tgt Ion: 92 Resp: 550469

Ion Ratio Lower Upper

92 100

91 170.0 136.4 204.6





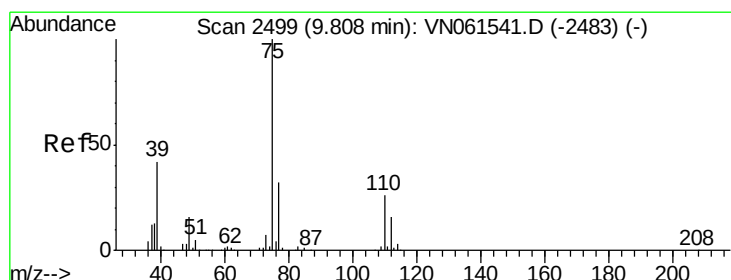
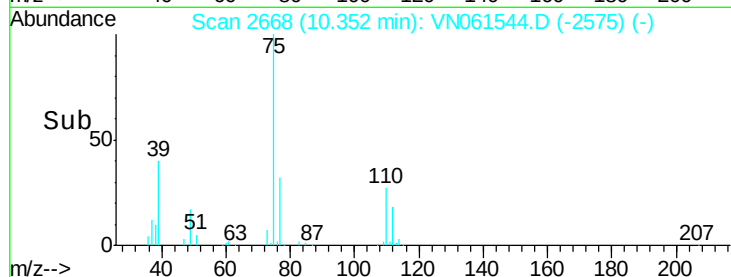
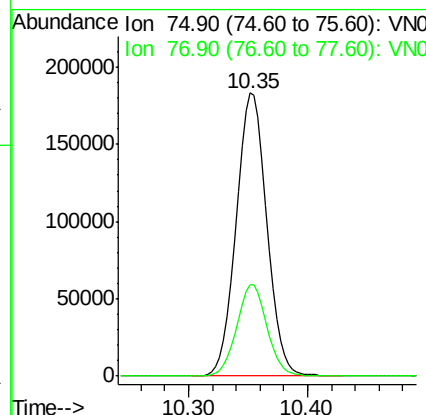
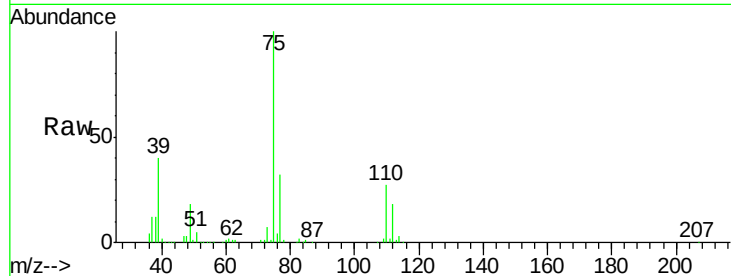
#53
t-1,3-Dichloropropene
Concen: 51.025 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.2	39.4

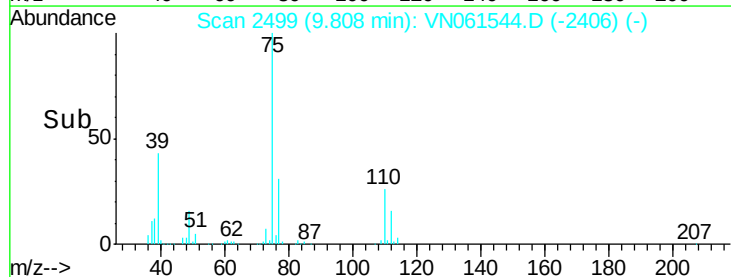
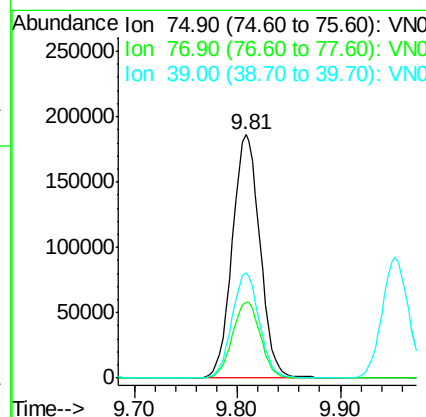
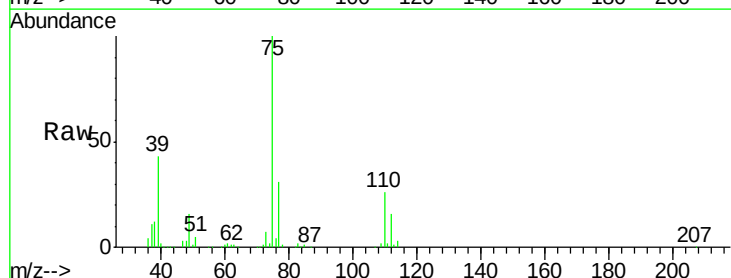
Manual Integrations
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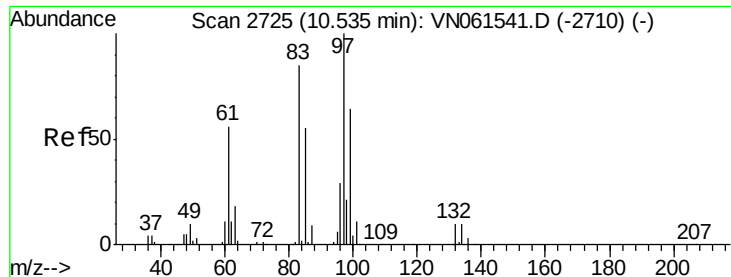
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.506 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2
39	43.3	33.8	50.6





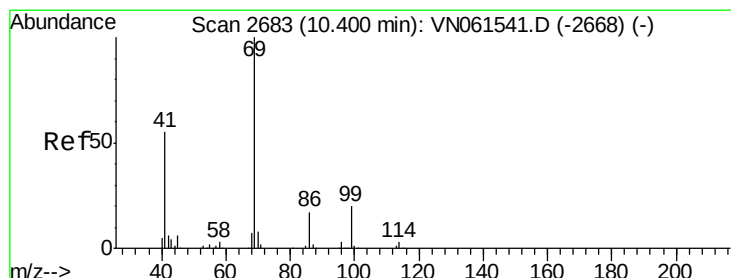
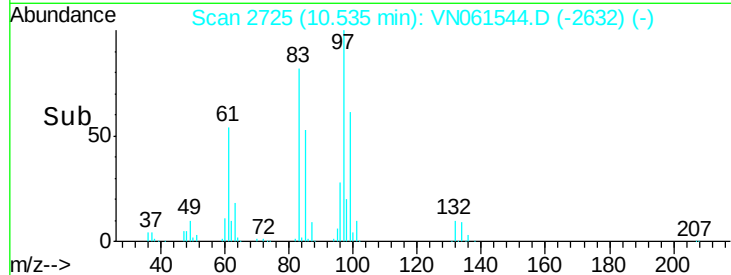
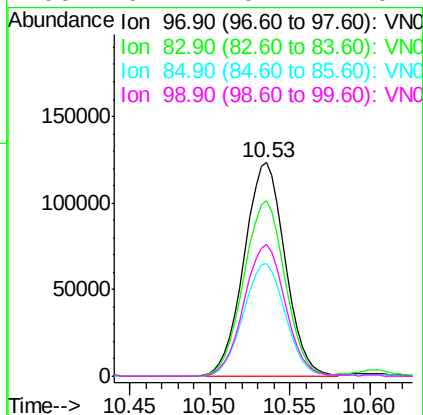
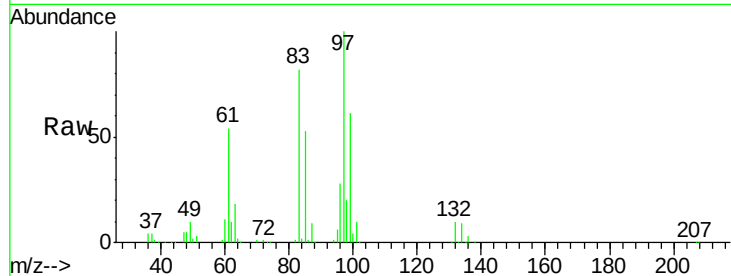
#55
 1,1,2-Trichloroethane
 Concen: 50.418 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion:	97	Resp:	216226
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.1	102.1
85	52.6	44.1	66.1
99	61.4	51.1	76.7

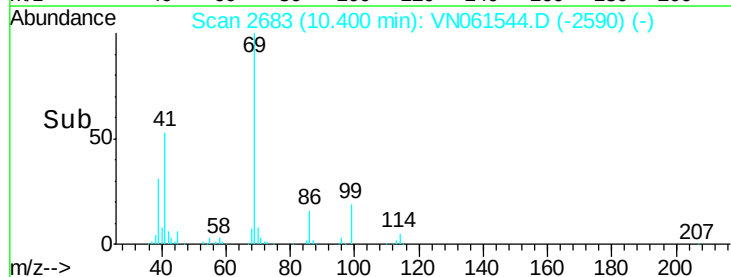
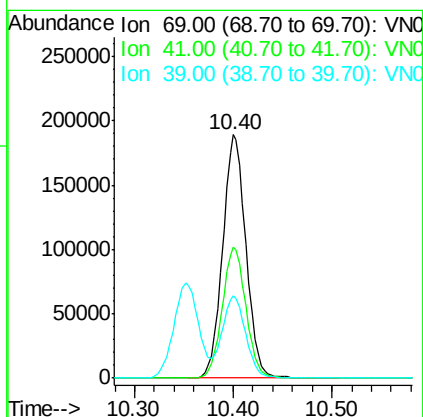
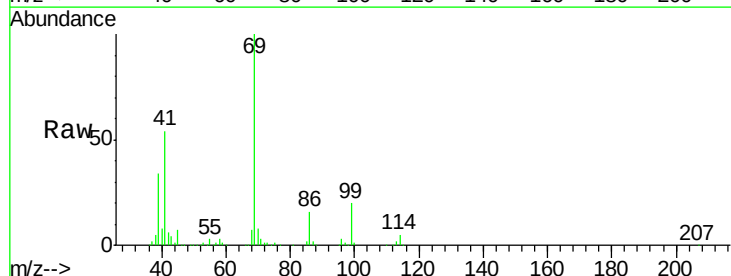
Manual Integrations
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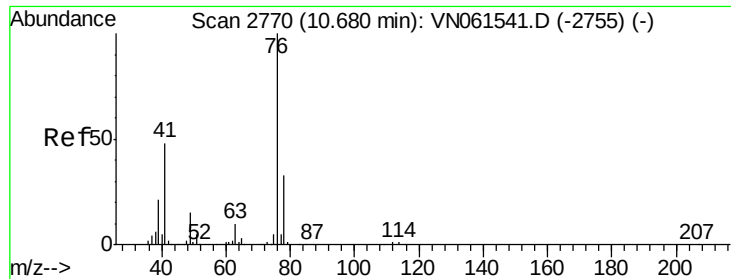
MMDadoda
 5/29/2020 5:46:55 PM



#56
 Ethyl methacrylate
 Concen: 52.387 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion:	69	Resp:	313846
Ion	Ratio	Lower	Upper
69	100		
41	53.8	43.5	65.3
39	33.9	27.0	40.6





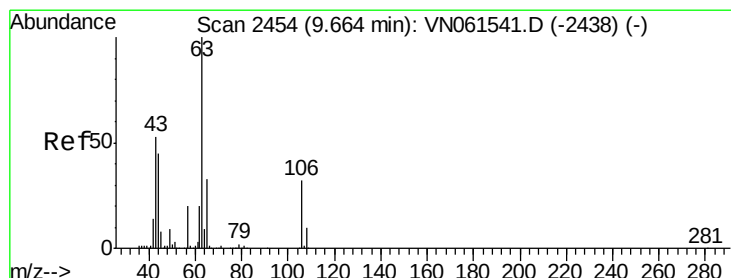
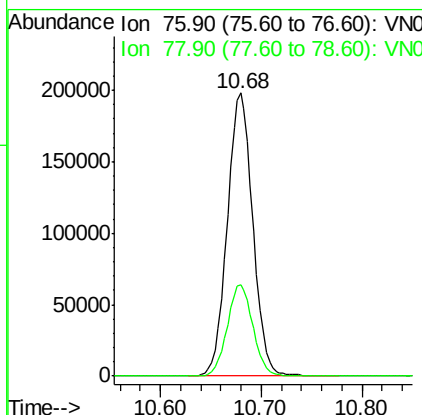
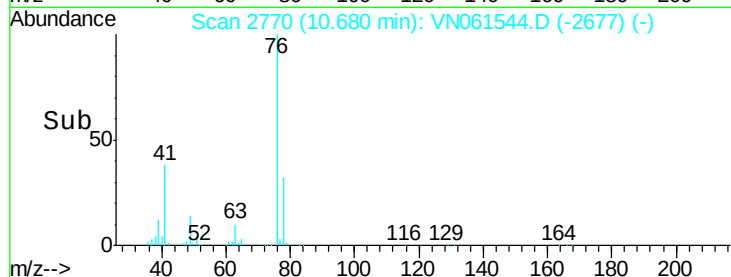
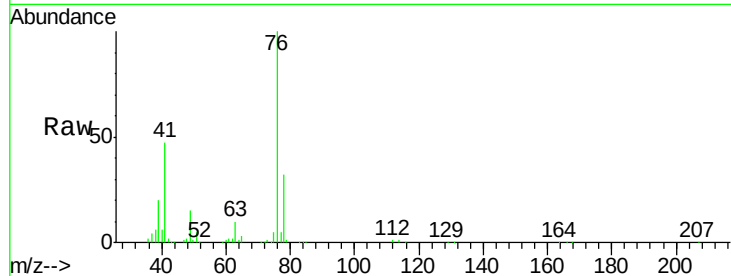
#57
 1,3-Dichloropropane
 Concen: 50.856 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

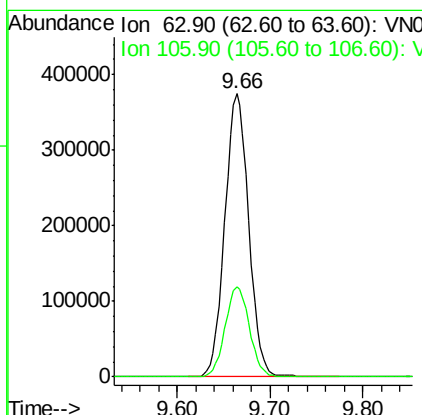
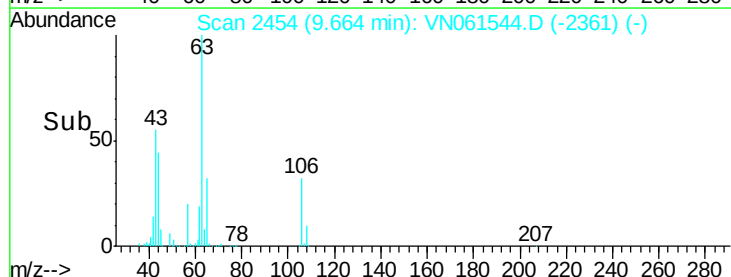
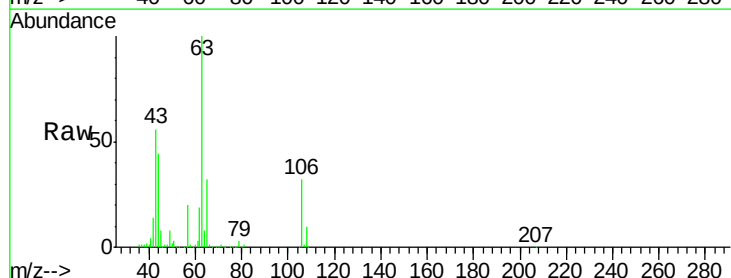
Manual Integrations
 APPROVED

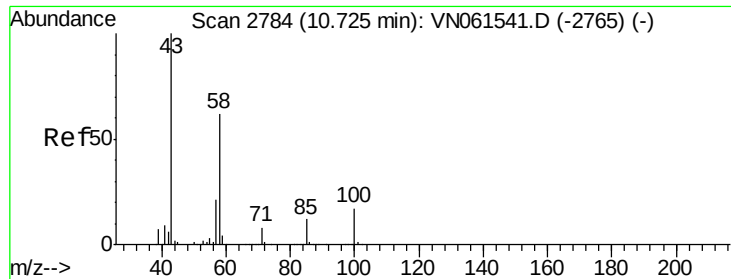
MMDadoda
 5/29/2020 5:46:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.285 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.4	25.9	38.9





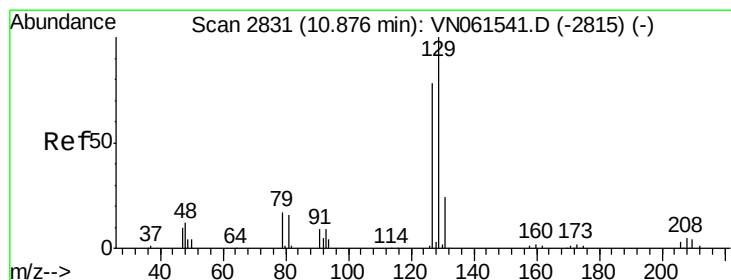
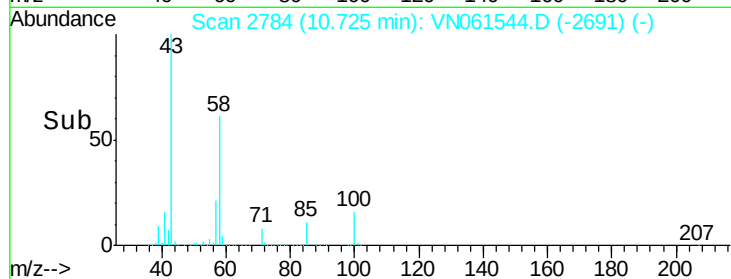
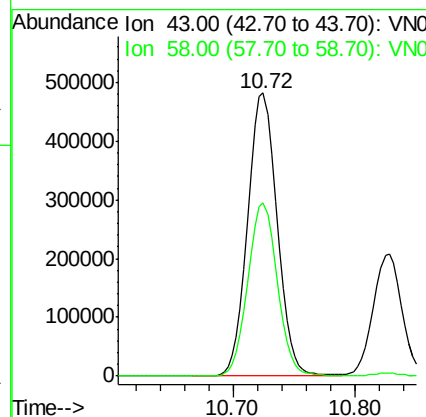
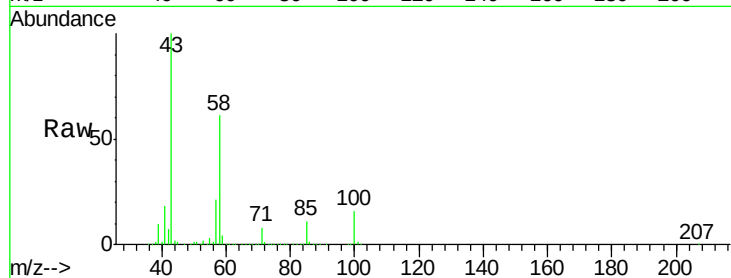
#59
2-Hexanone
Concen: 255.747 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion: 43 Resp: 801710
Ion Ratio Lower Upper
43 100
58 61.3 30.7 92.1

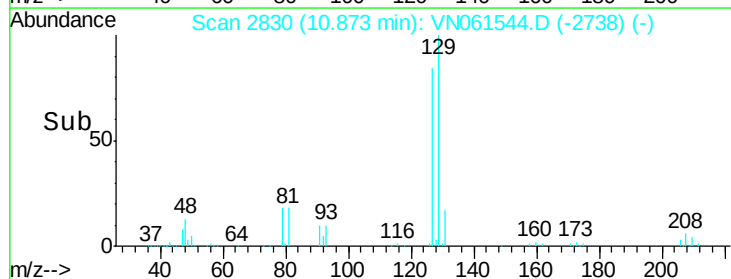
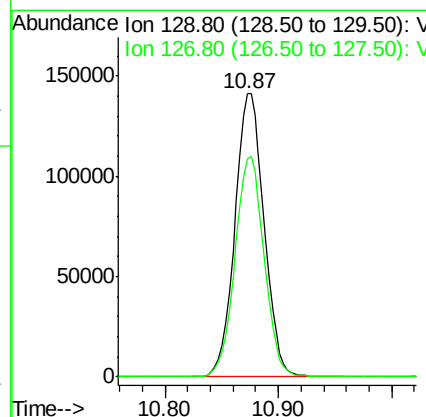
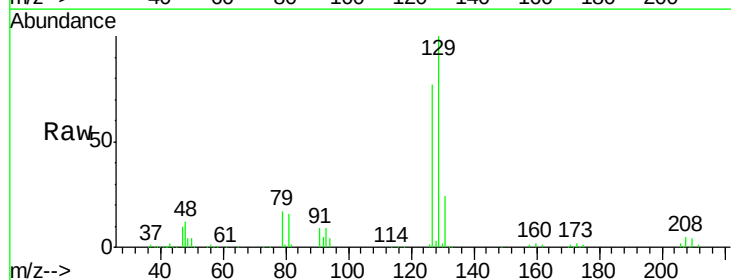
Manual Integrations
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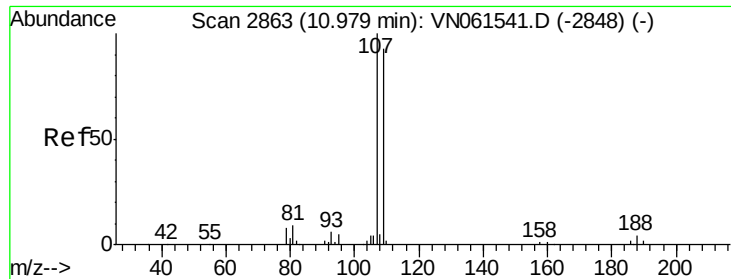
MMDadoda
5/29/2020 5:46:55 PM



#60
Dibromochloromethane
Concen: 51.984 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 129 Resp: 253454
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.3





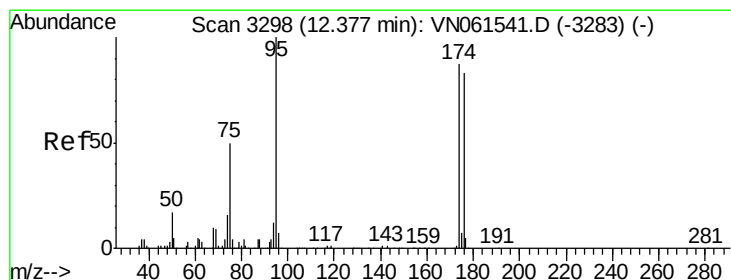
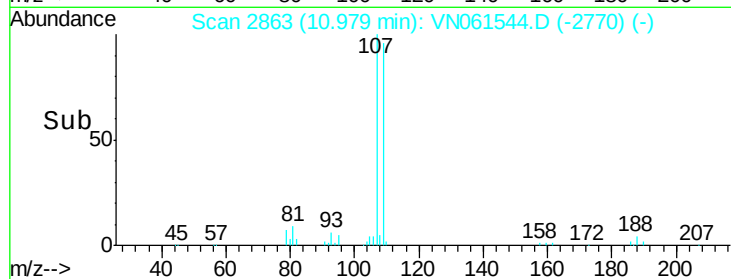
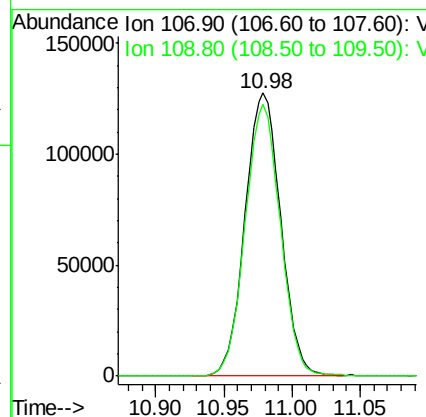
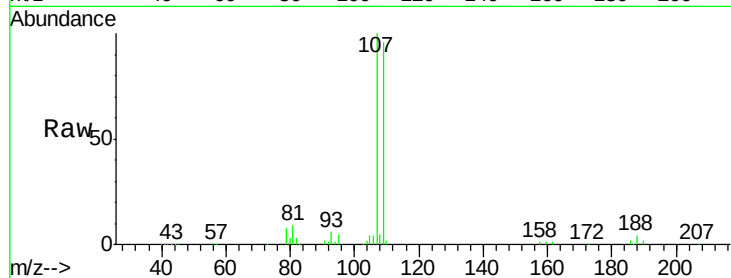
#61
 1,2-Dibromoethane
 Concen: 51.869 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
107	100	232005		
109	94.9	76.1	114.1	

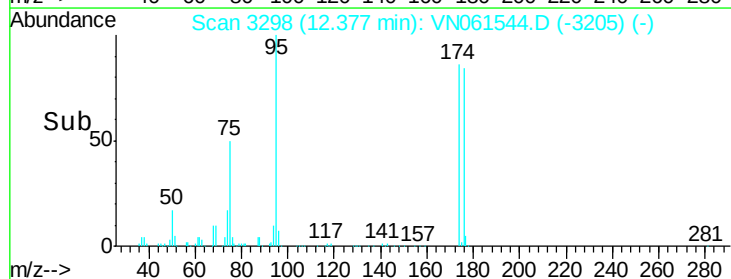
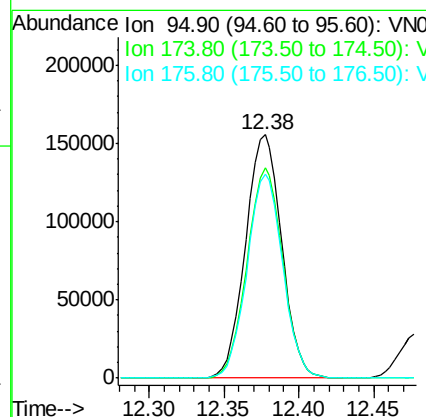
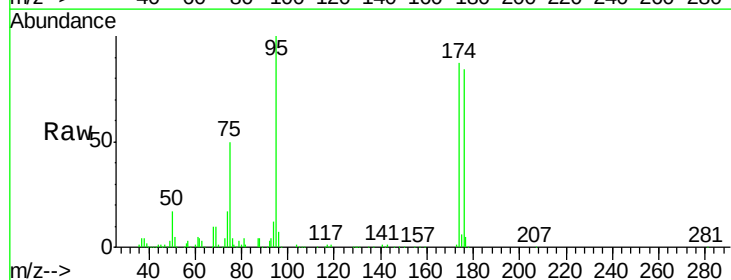
Manual Integrations
 APPROVED

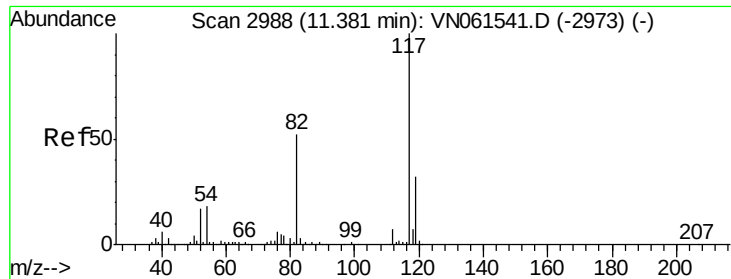
MMDadoda
 5/29/2020 5:46:55 PM



#62
 4-Bromofluorobenzene
 Concen: 50.564 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	261853		
174	85.6	0.0	172.8	
176	82.5	0.0	164.8	





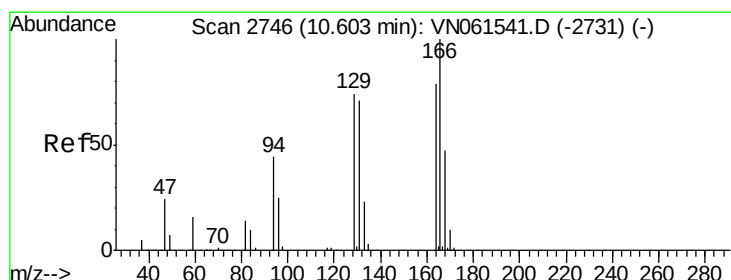
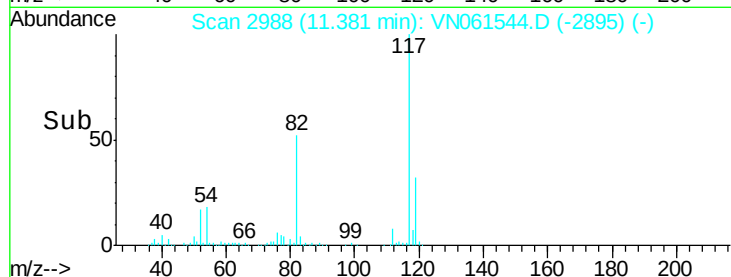
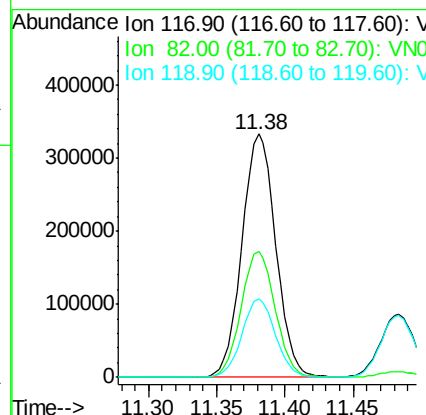
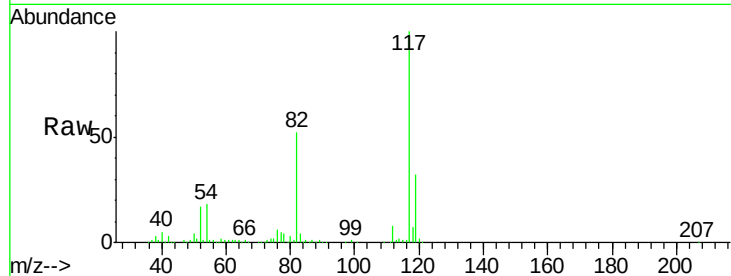
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
117	100	573432		
82	52.0		41.5	62.3
119	32.3		25.6	38.4

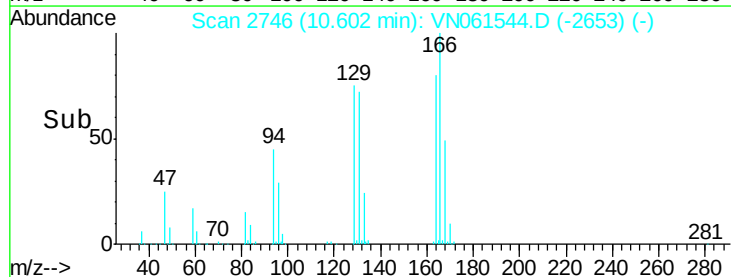
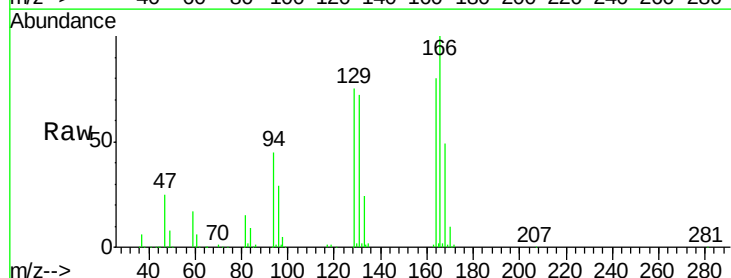
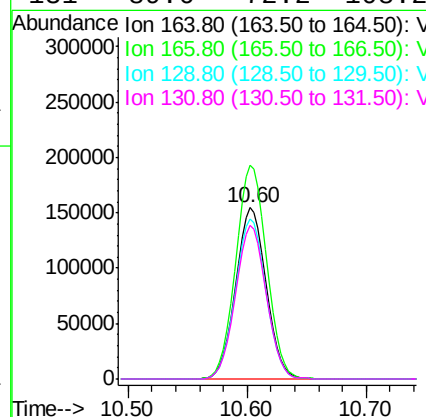
Manual Integrations
APPROVED

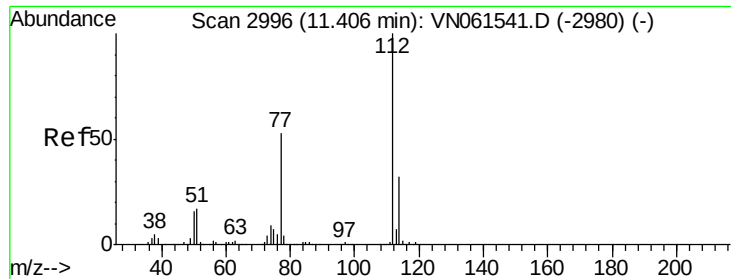
MMDadoda
5/29/2020 5:46:55 PM



#64
Tetrachloroethene
Concen: 50.899 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	274742		
166	125.0		101.5	152.3
129	93.7		74.9	112.3
131	89.6		72.2	108.2





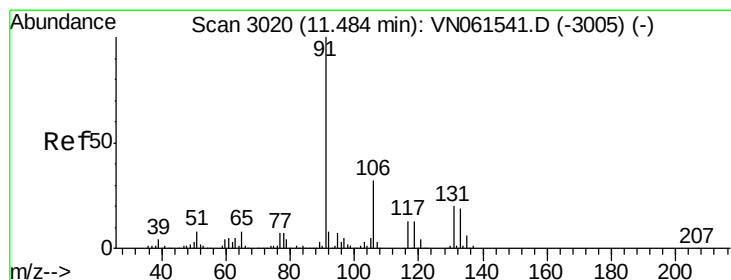
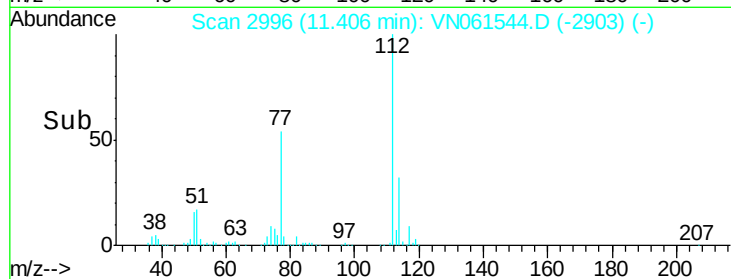
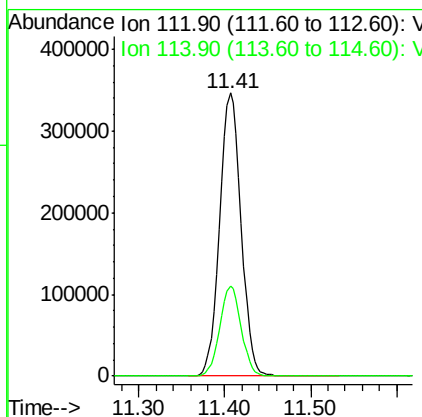
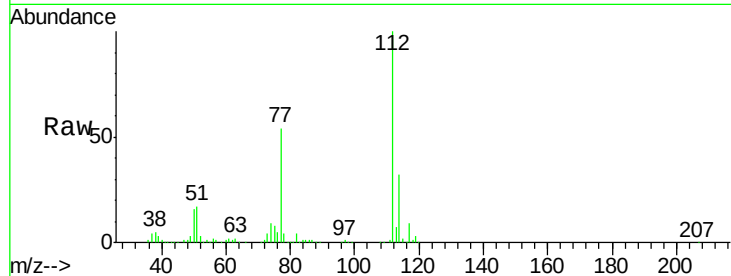
#65
Chlorobenzene
Concen: 50.318 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.7	38.5

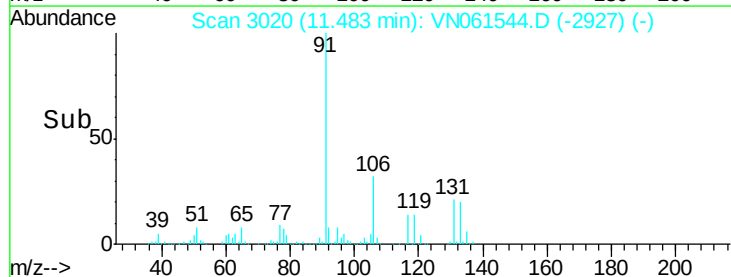
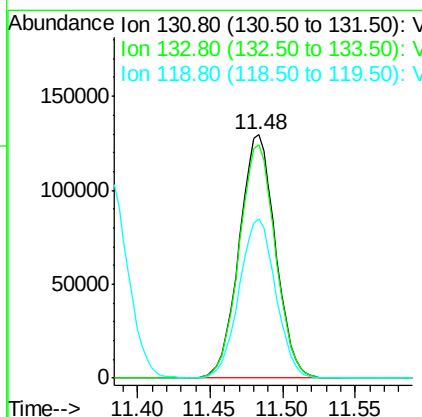
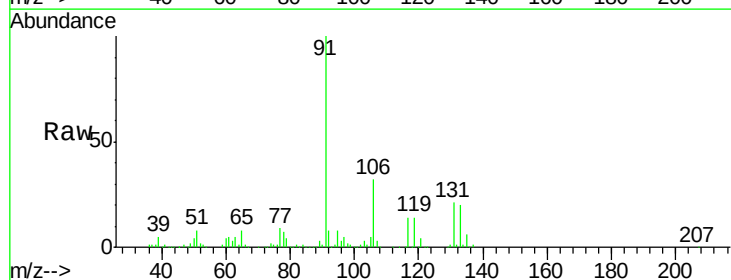
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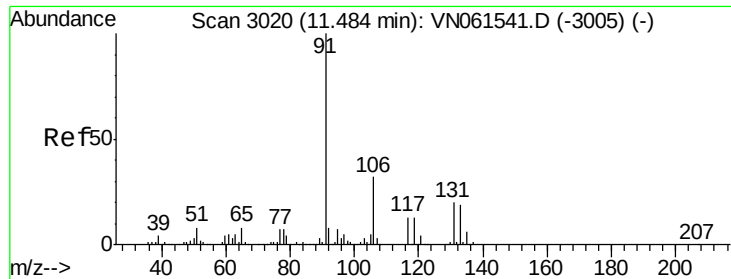
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.535 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.4	142.2
119	66.0	32.6	97.8





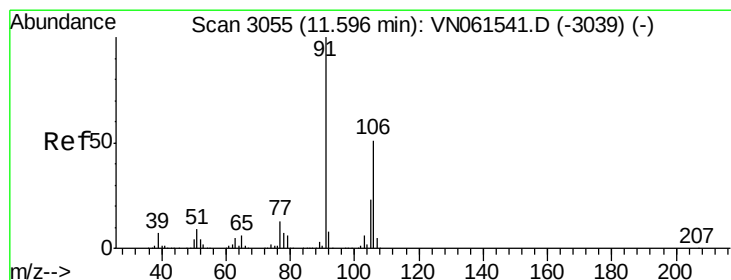
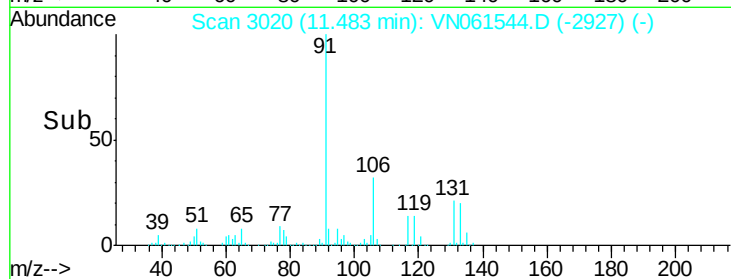
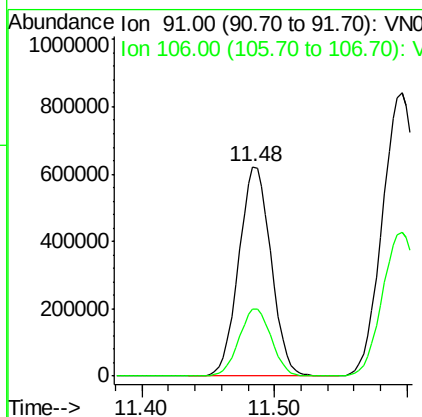
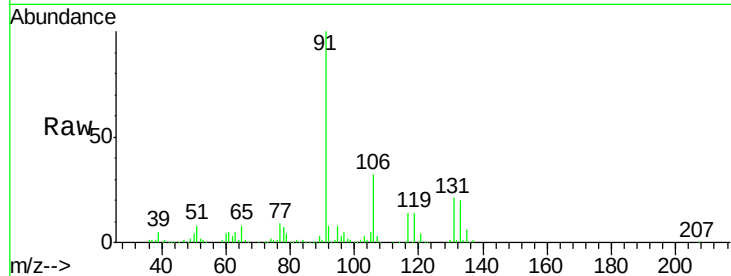
#67
Ethyl Benzene
Concen: 50.955 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion: 91 Resp: 1049755
Ion Ratio Lower Upper
91 100
106 32.3 25.6 38.4

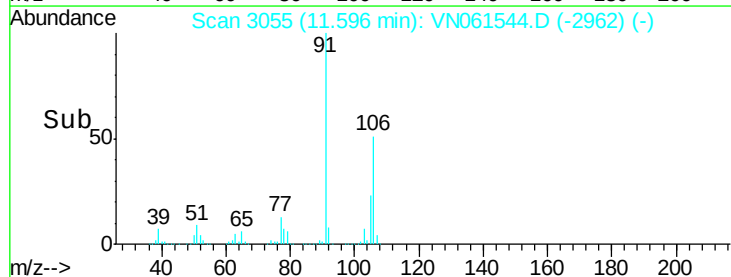
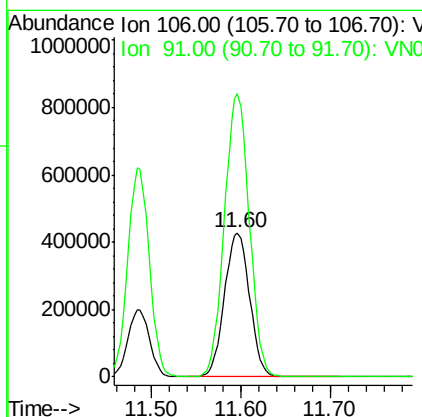
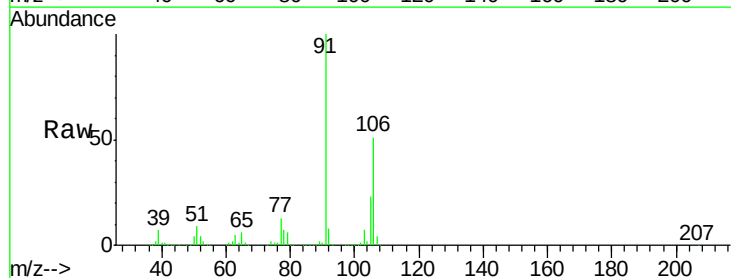
Manual Integrations
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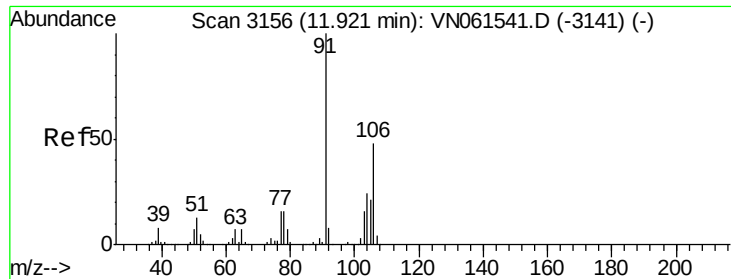
MMDadoda
5/29/2020 5:46:55 PM



#68
m/p-Xylenes
Concen: 102.226 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 106 Resp: 835045
Ion Ratio Lower Upper
106 100
91 193.9 156.2 234.4





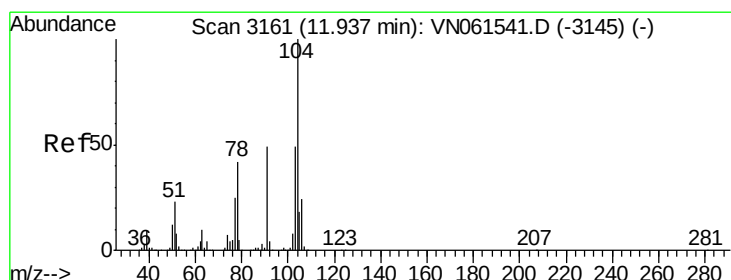
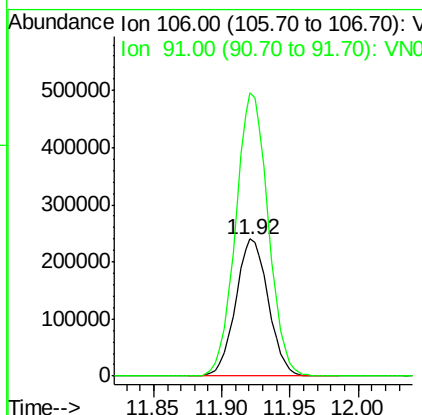
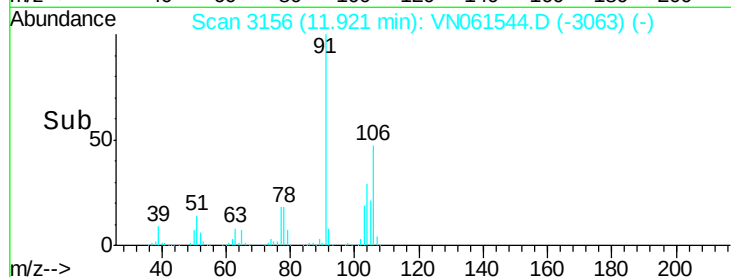
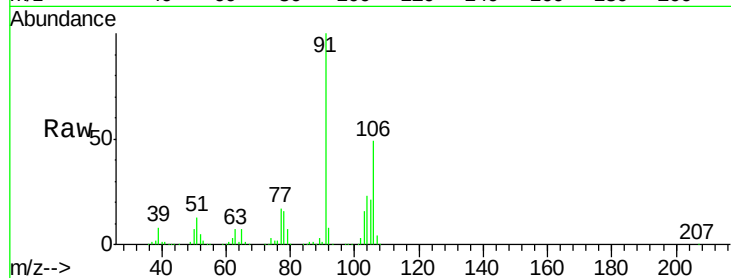
#69
o-Xylene
Concen: 51.350 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.9	103.3	398405		309.8

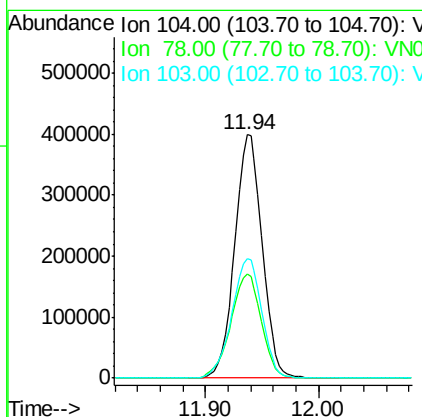
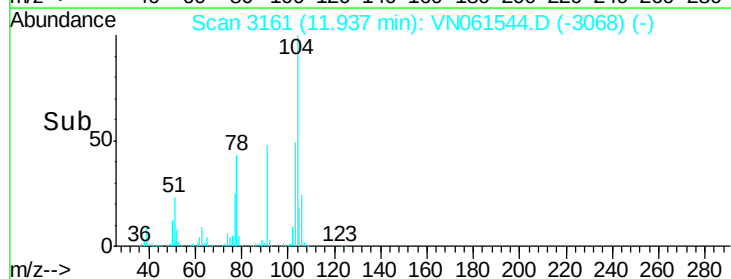
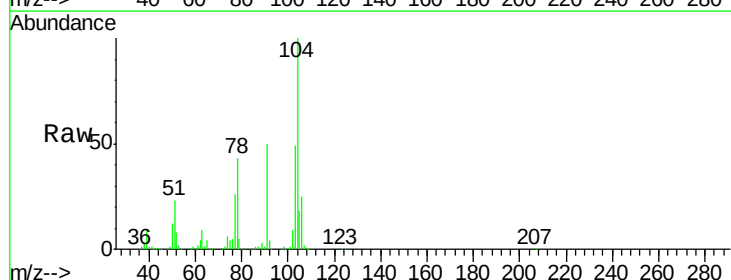
Manual Integrations
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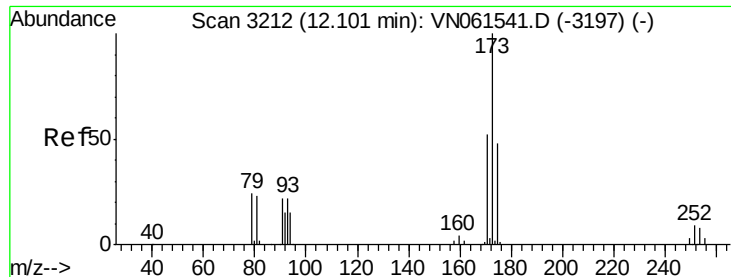
MMDadoda
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#70
Styrene
Concen: 52.475 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.4	37.4	674231		56.0
103	53.9	42.3			63.5





#71

Bromoform

Concen: 52.286 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

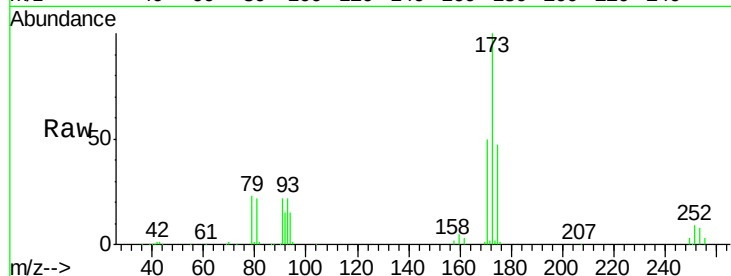
ClientSampleId :

ICVVN052820

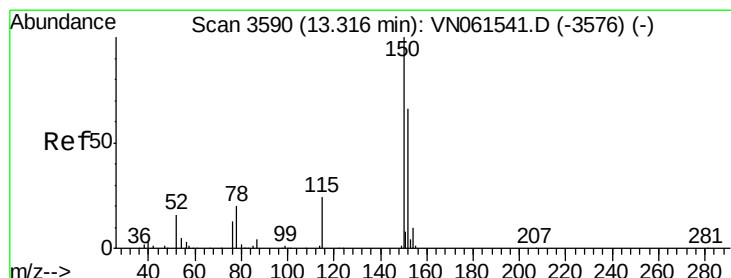
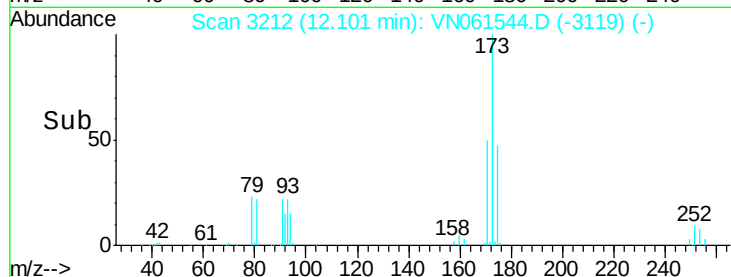
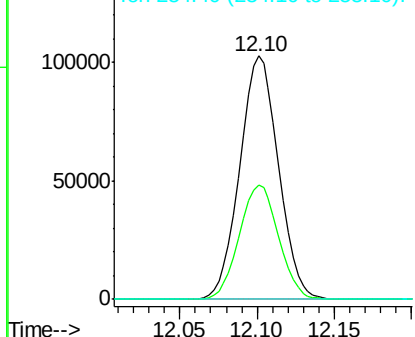
Tot Ion:	173	Resp:	178814
Ion Ratio	Lower	Upper	
173	100		
175	47.7	24.4	73.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

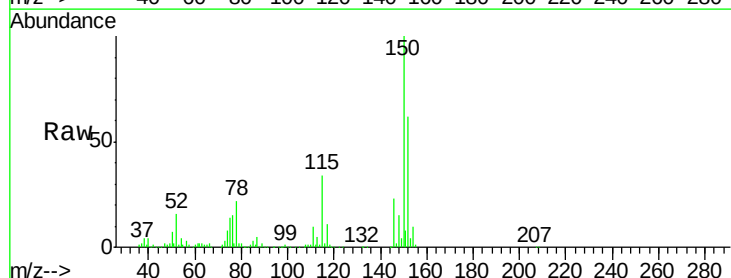
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

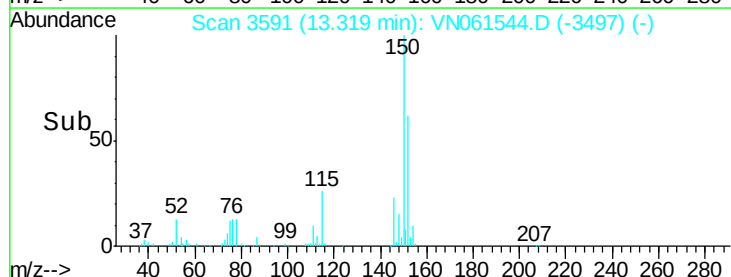
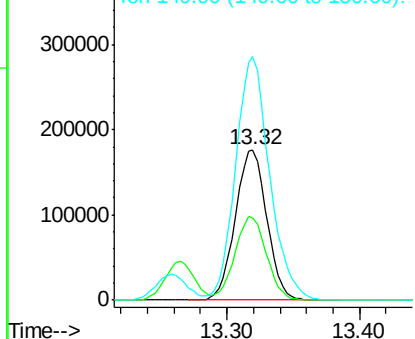
Lab File: VN061544.D

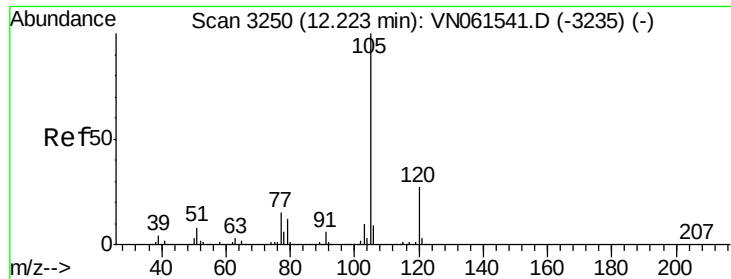
Acq: 28 May 2020 20:29

Tgt Ion:	152	Resp:	290661
Ion Ratio	Lower	Upper	
152	100		
115	55.5	28.0	84.0
150	174.7	0.0	344.0



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





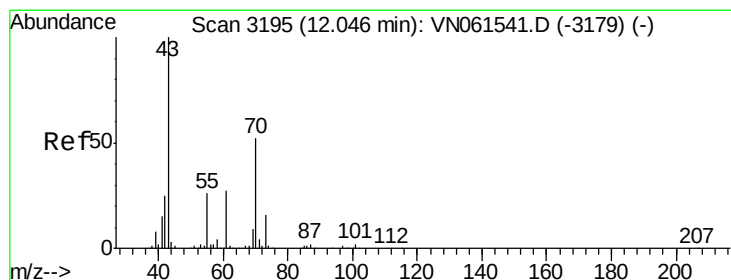
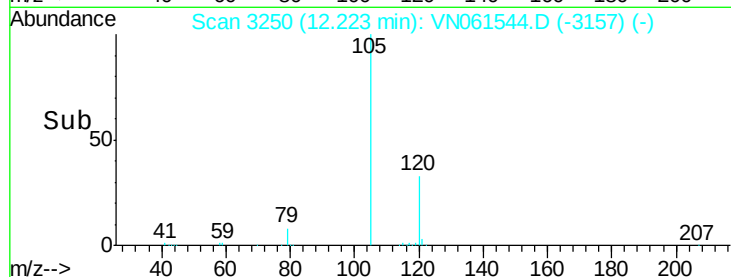
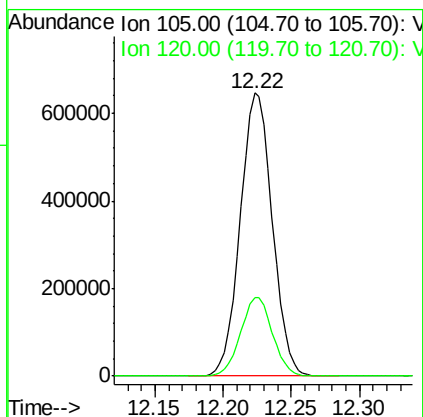
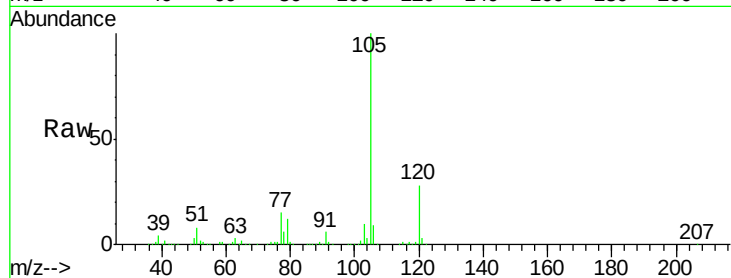
#73
Isopropylbenzene
Concen: 49.674 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion:105 Resp: 1053803
Ion Ratio Lower Upper
105 100
120 27.6 13.8 41.3

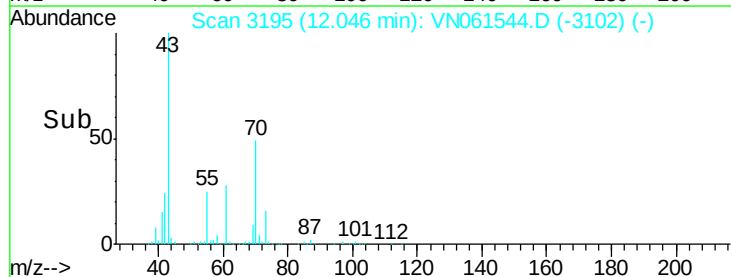
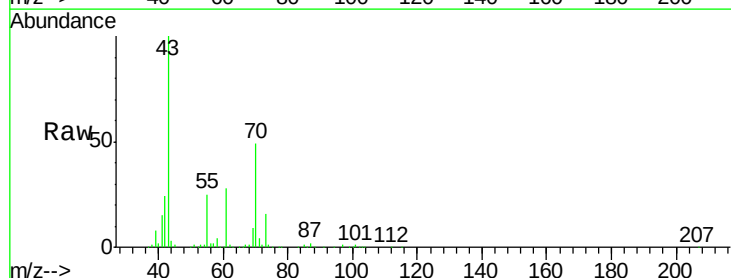
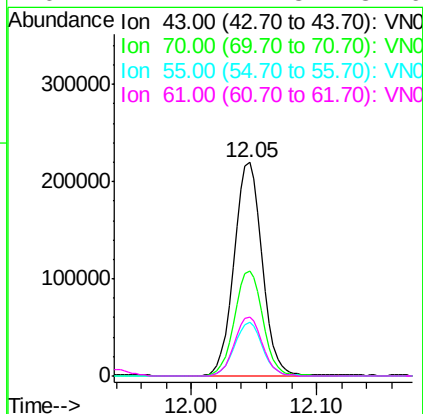
Manual Integrations
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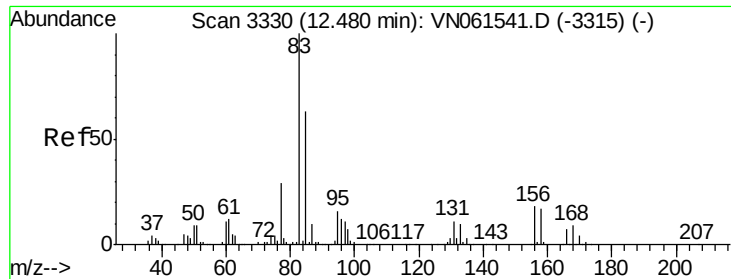
MMDadoda
5/29/2020 5:46:55 PM



#74
N-ethyl acetate
Concen: 51.081 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 43 Resp: 341269
Ion Ratio Lower Upper
43 100
70 50.2 40.5 60.7
55 25.4 20.6 31.0
61 27.7 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.129 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

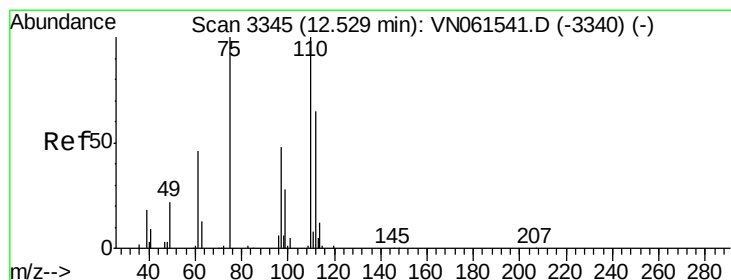
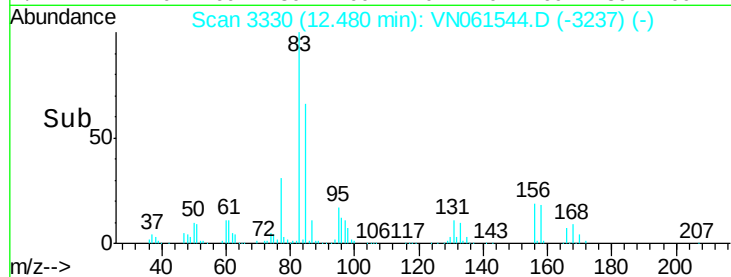
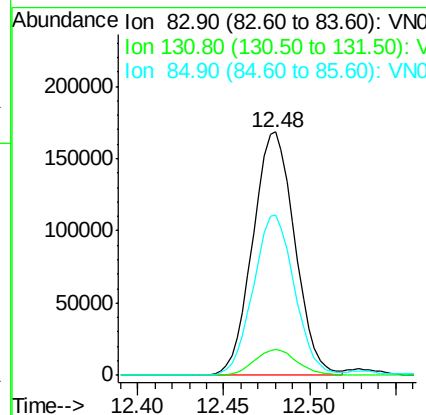
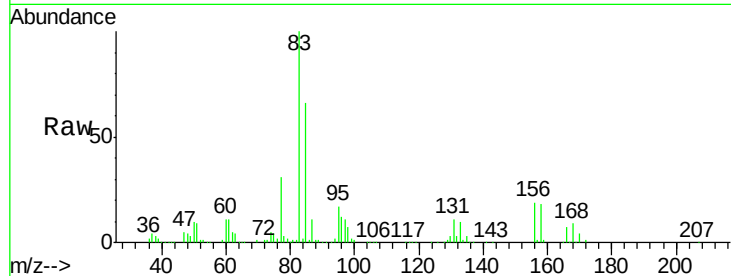
ClientSampleId :

ICVVN052820

Tot Ion:	83	Resp:	286128
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.5
85	64.6	32.1	96.3

Manual Integrations
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5/29/2020 5:46:55 PM



#76

1,2,3-Trichloropropane

Concen: 47.363 ug/l m

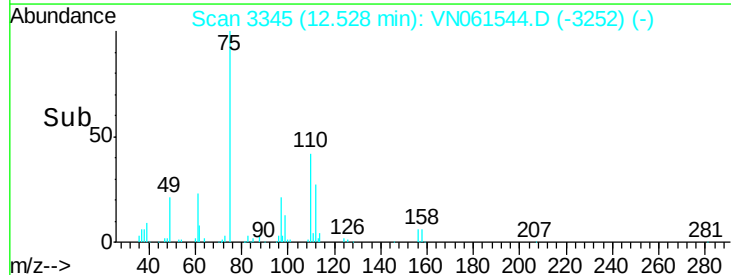
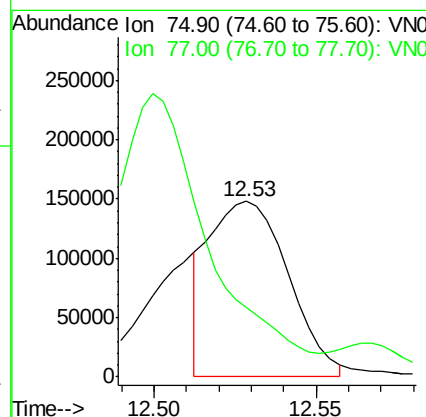
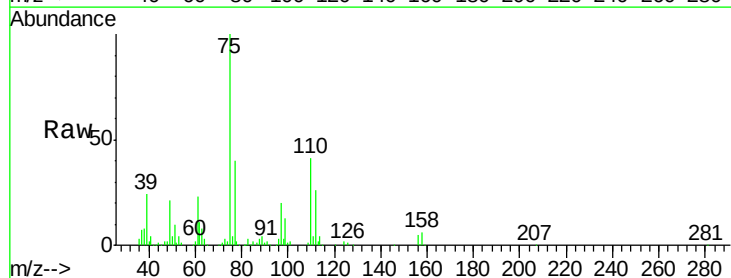
RT: 12.53 min Scan# 3345

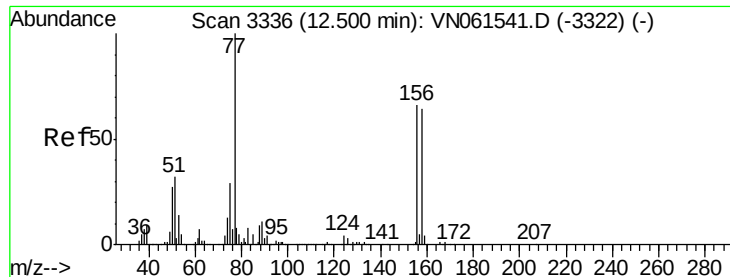
Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Tgt Ion:	75	Resp:	250329
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.754 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

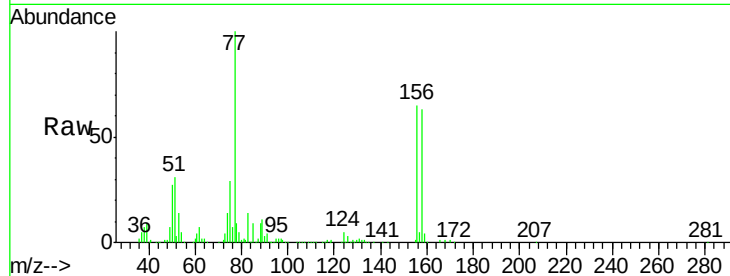
ClientSampleId :

ICVVN052820

Tot Ion:	156	Resp:	269424
Ion	Ratio	Lower	Upper
156	100		
77	182.8	90.9	272.7
158	97.3	48.4	145.3

Manual Integrations
APPROVED

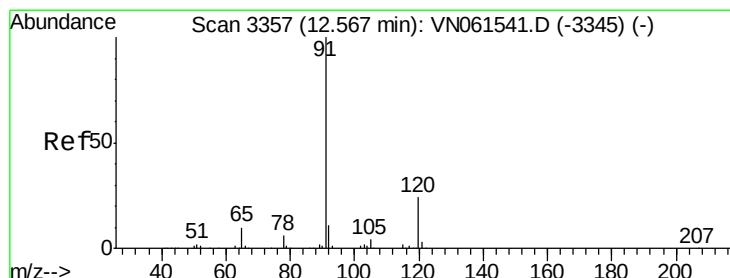
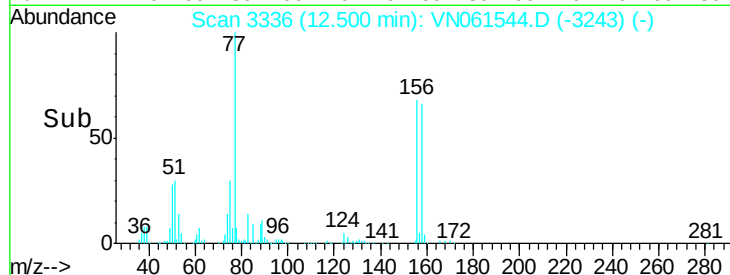
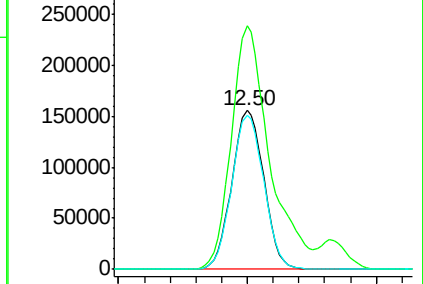
MMDadoda
5/29/2020 5:46:55 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.599 ug/l

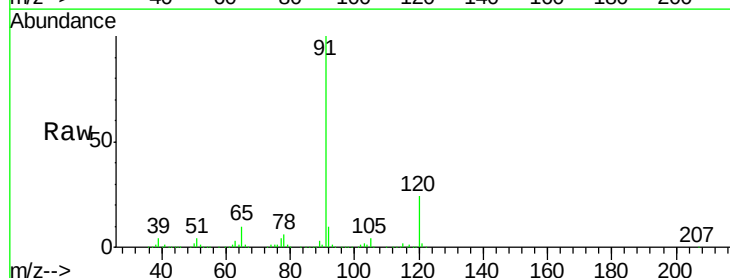
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN061544.D

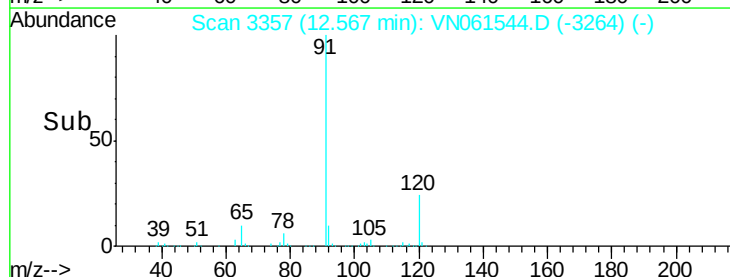
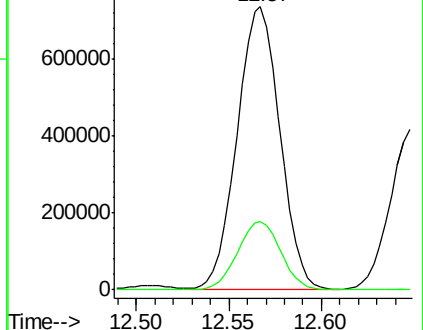
Acq: 28 May 2020 20:29

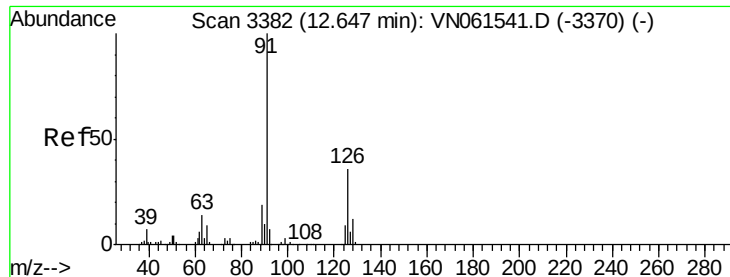
Tgt Ion:	91	Resp:	1174681
Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.748 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

Tot Ion: 91 Resp: 688412

Ion Ratio Lower Upper

91 100

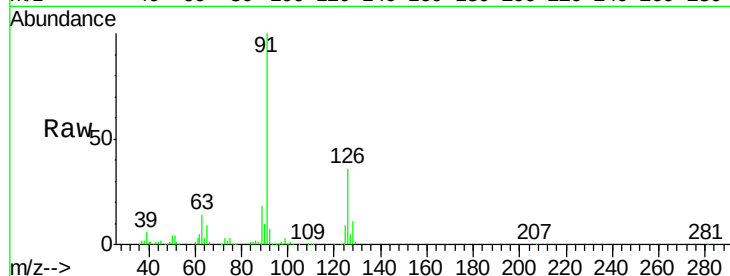
126 36.1 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3370) (-)

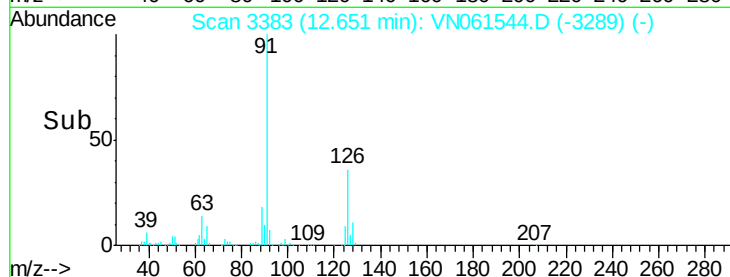
600000

400000

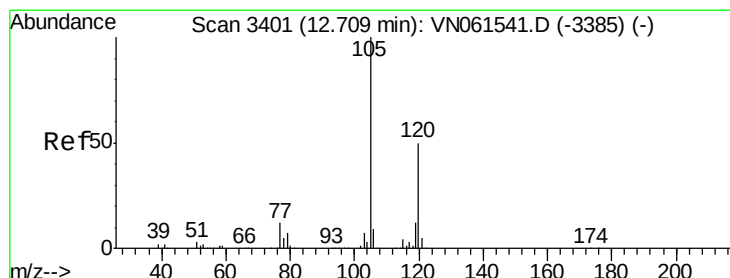
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.200 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061544.D

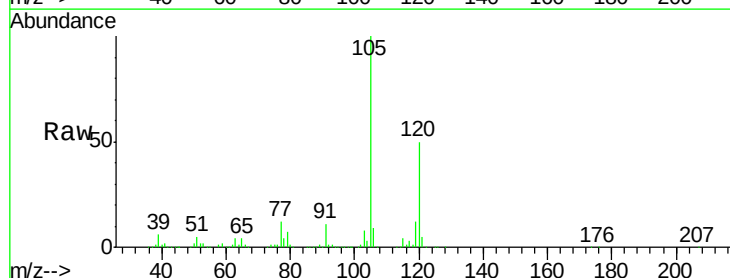
Acq: 28 May 2020 20:29

Tgt Ion: 105 Resp: 890122

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061541.D (-3385) (-)

600000

500000

400000

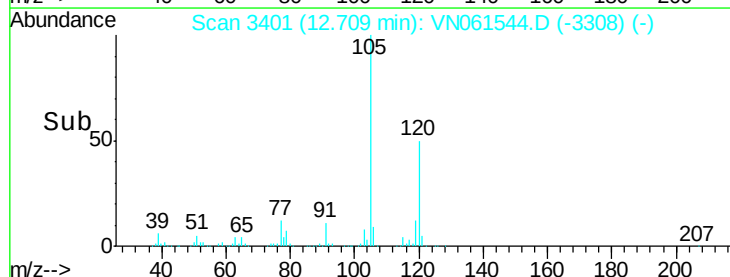
300000

200000

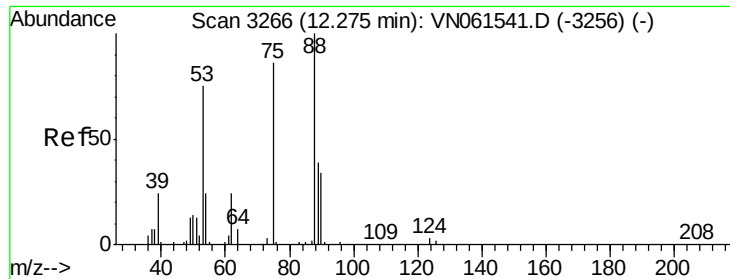
100000

0

12.60 12.70 12.80



Time-->



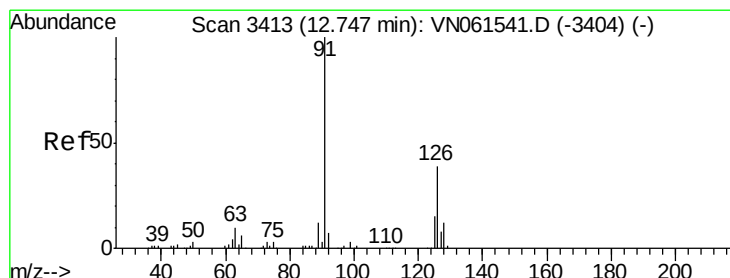
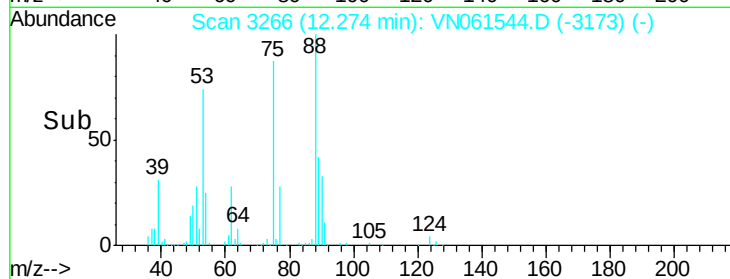
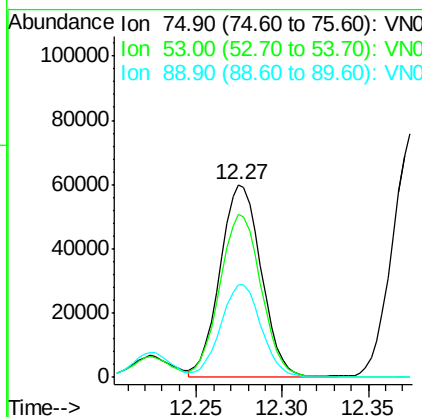
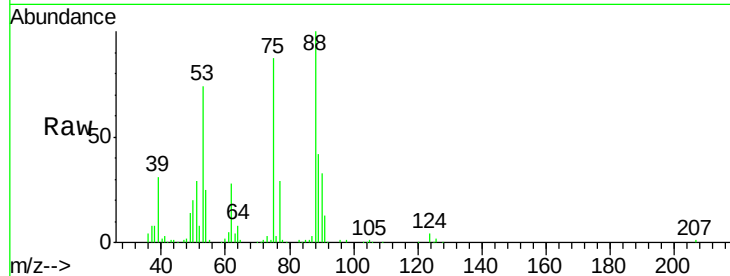
#81
trans-1,4-Dichloro-2-butene
Concen: 48.439 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	67.8	101.8
89	47.6	37.1	55.7

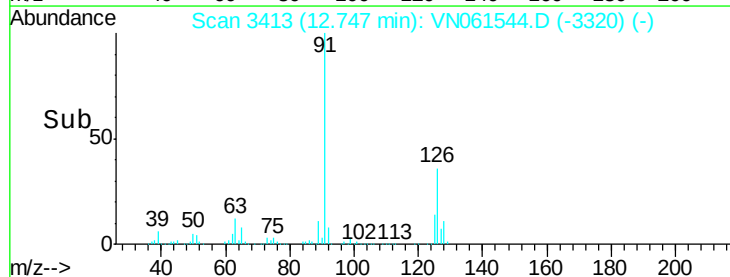
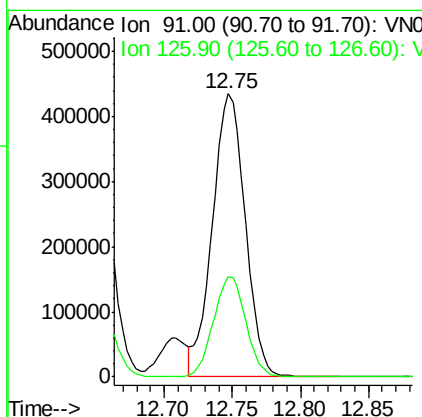
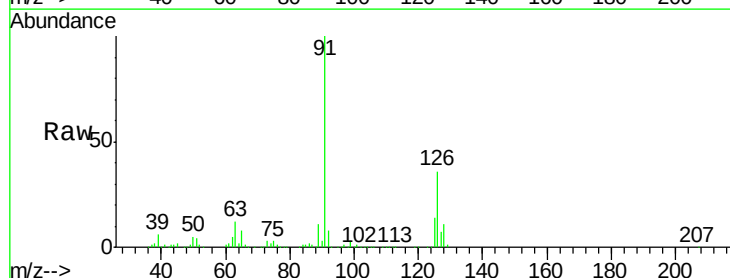
Manual Integrations
APPROVED

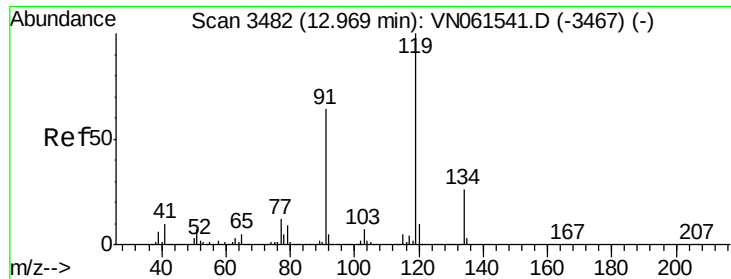
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.786 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





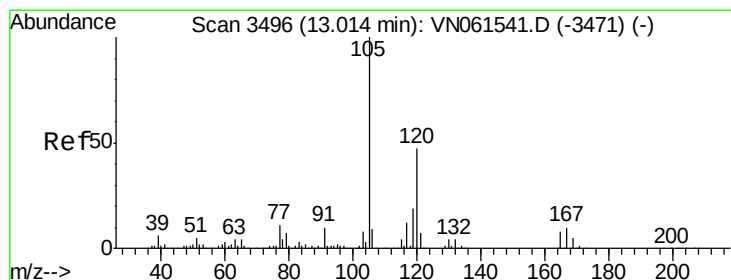
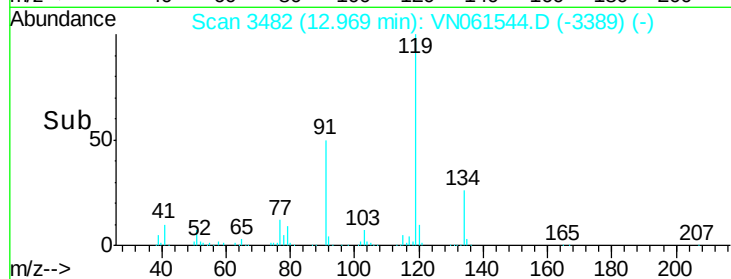
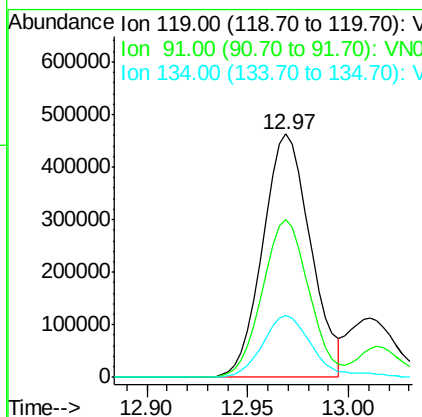
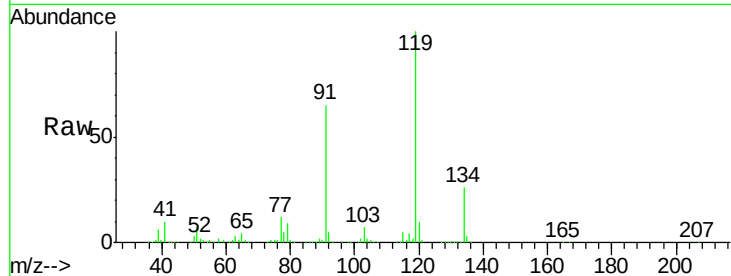
#83
 tert-Butylbenzene
 Concen: 48.792 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
119	100	764405		
91	63.2		31.3	93.8
134	26.6		13.5	40.4

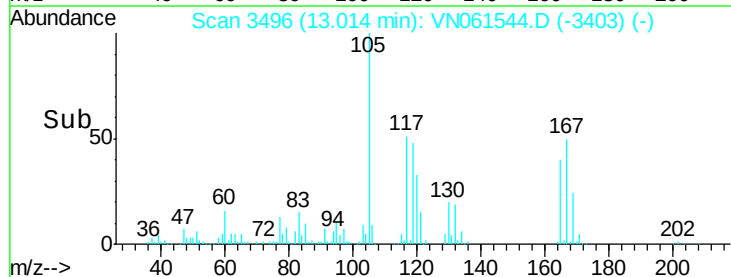
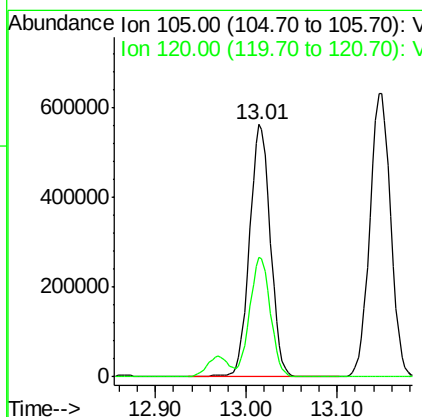
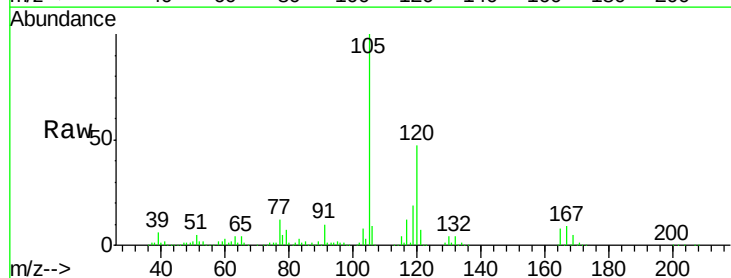
Manual Integrations
 APPROVED

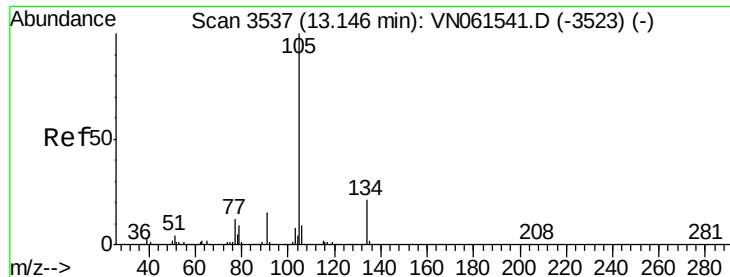
MMDadoda
 5/29/2020 5:46:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.897 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	896544		
120	46.8		23.2	69.5





#85

sec-Butylbenzene

Concen: 49.829 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

Tot Ion:105 Resp: 1005930

Ion Ratio Lower Upper

105 100

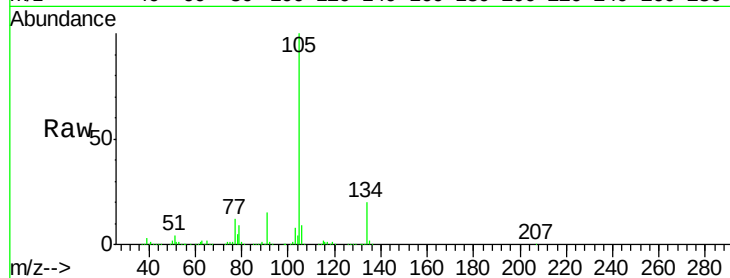
134 20.7 10.7 31.9

Manual Integrations

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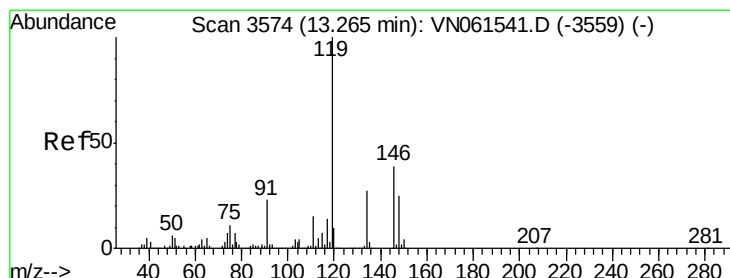
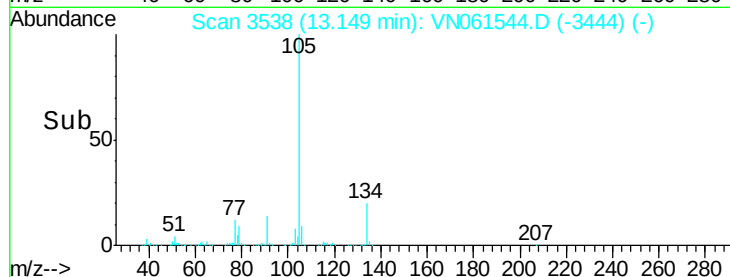
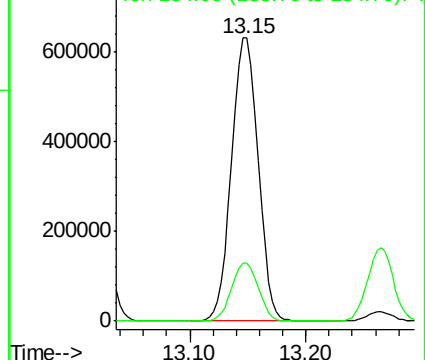
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.865 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

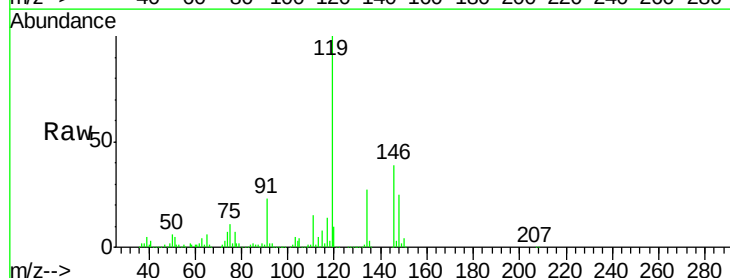
Tgt Ion:119 Resp: 945633

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

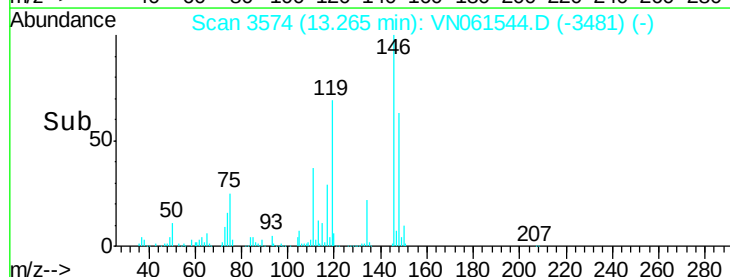
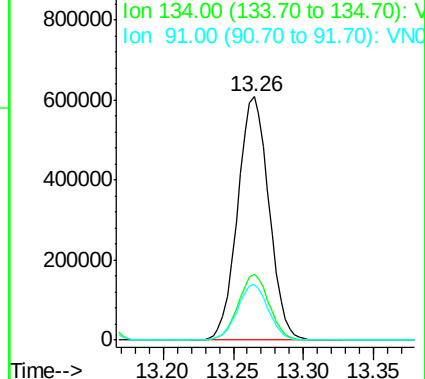
91 22.5 11.4 34.1

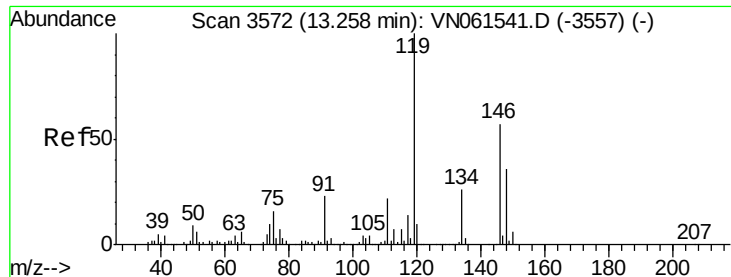


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





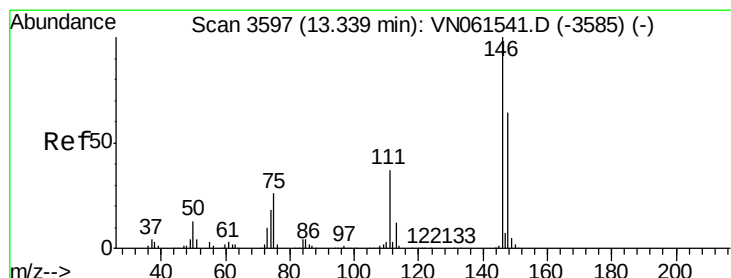
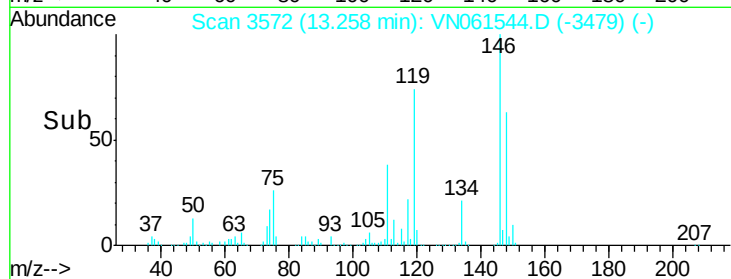
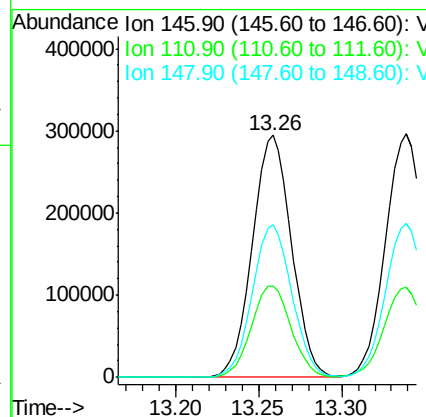
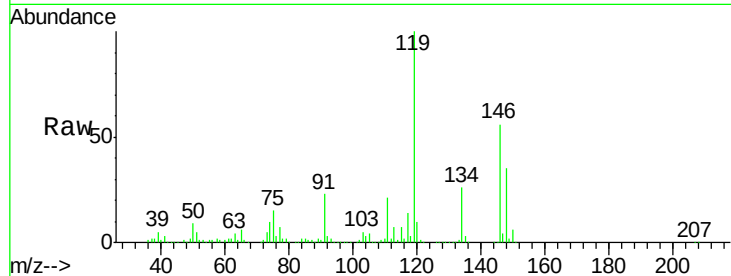
#87
 1,3-Dichlorobenzene
 Concen: 50.495 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	63.7	31.7	95.1

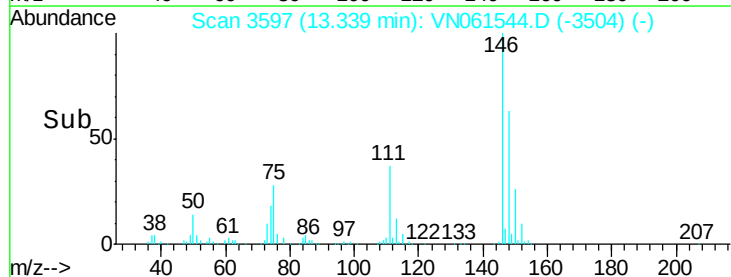
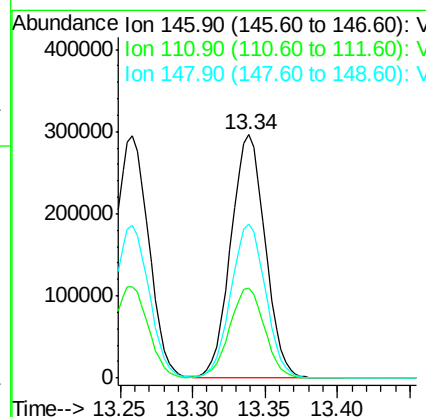
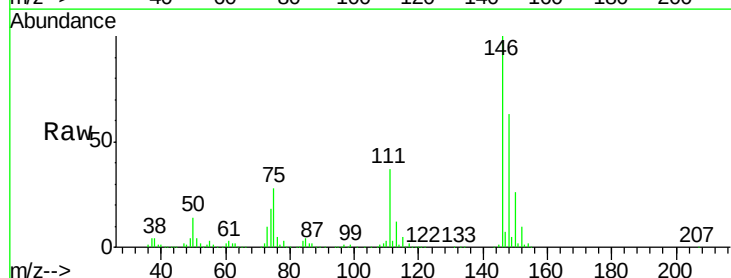
Manual Integrations
 APPROVED

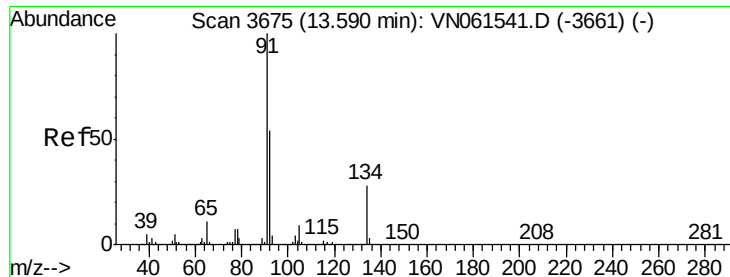
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#88
 1,4-Dichlorobenzene
 Concen: 49.842 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	63.7	31.8	95.3





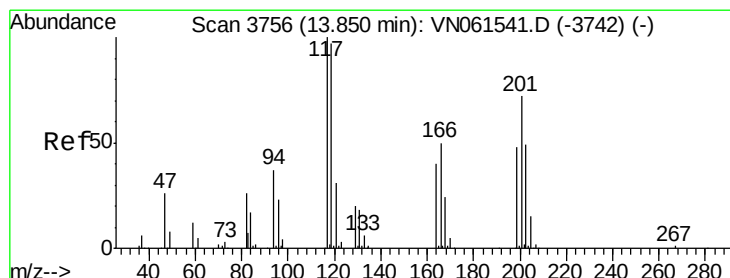
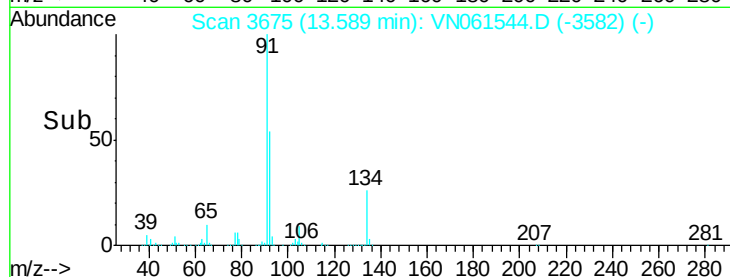
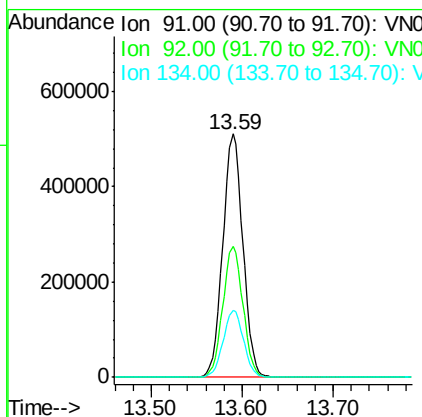
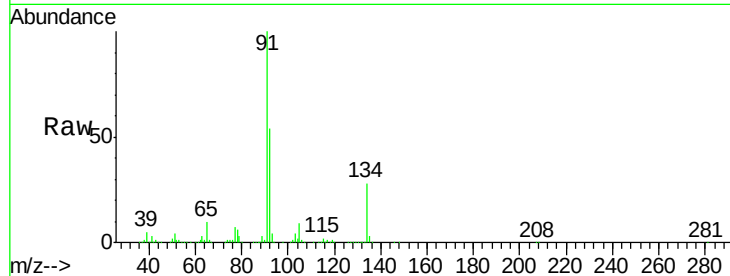
#89
n-Butylbenzene
Concen: 50.437 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	27.8	14.0	42.0

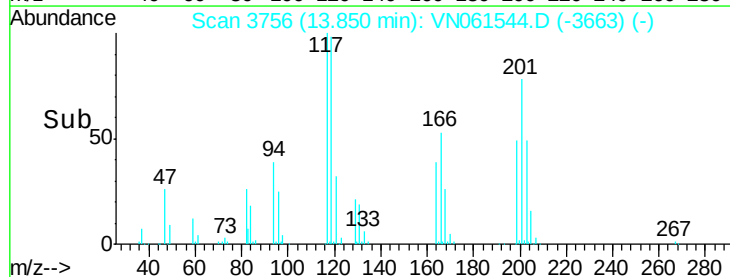
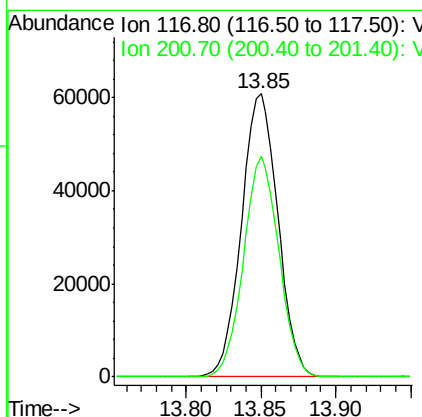
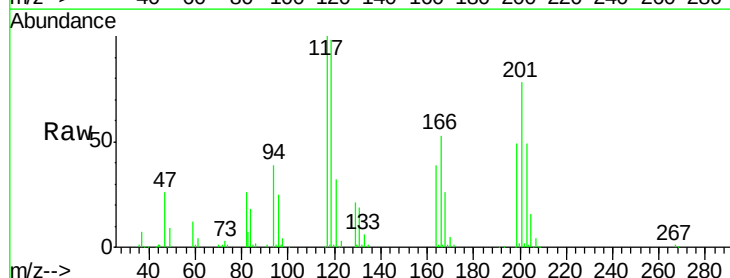
Manual Integrations
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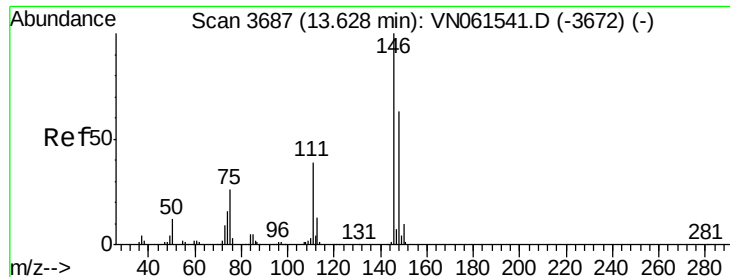
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#90
Hexachloroethane
Concen: 50.185 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	36.7	110.1





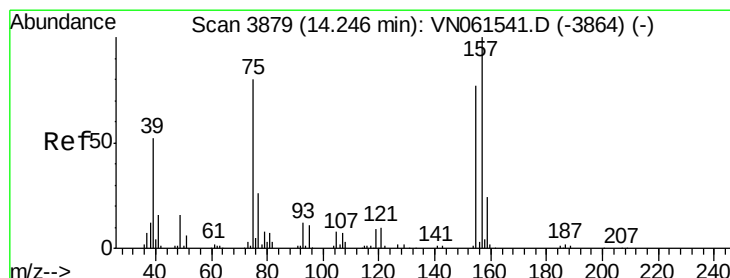
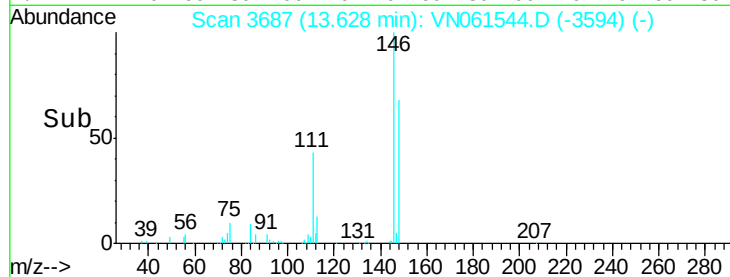
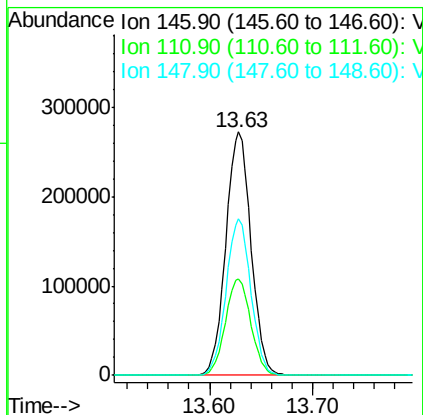
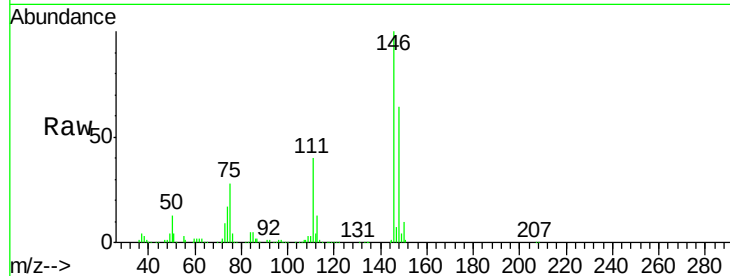
#91
 1,2-Dichlorobenzene
 Concen: 50.597 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion:	146	Resp:	463666
Ion Ratio		Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.3	31.9	95.5

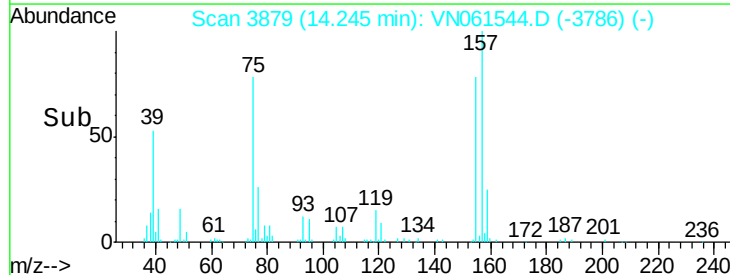
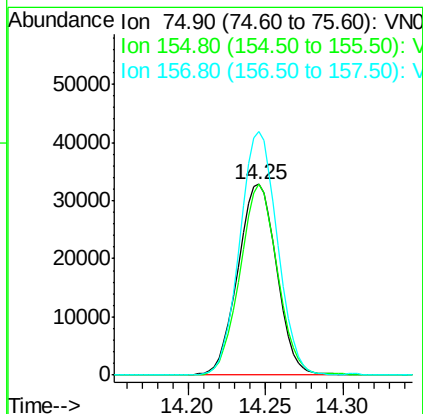
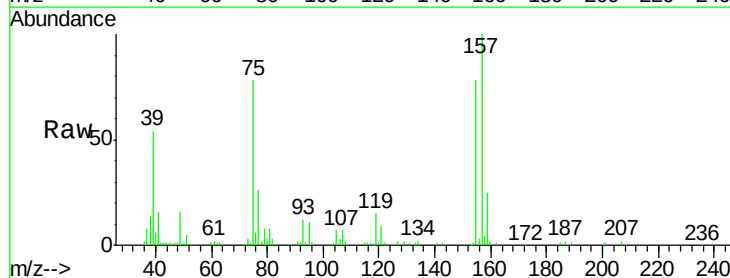
Manual Integrations
 APPROVED

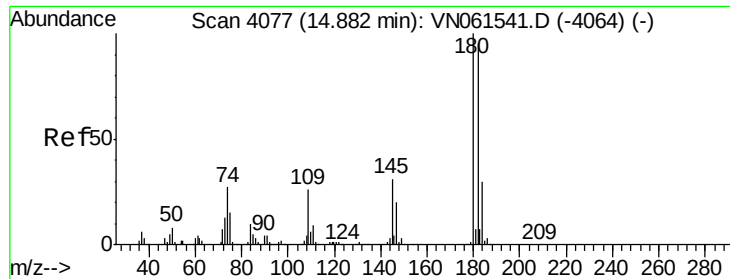
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.195 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion:	75	Resp:	57221
Ion Ratio		Lower	Upper
75	100		
155	96.6	47.1	141.4
157	123.7	60.3	180.8





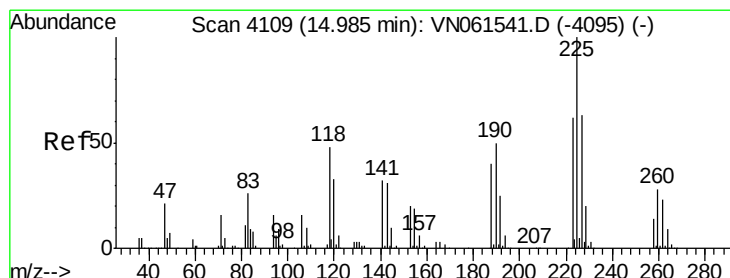
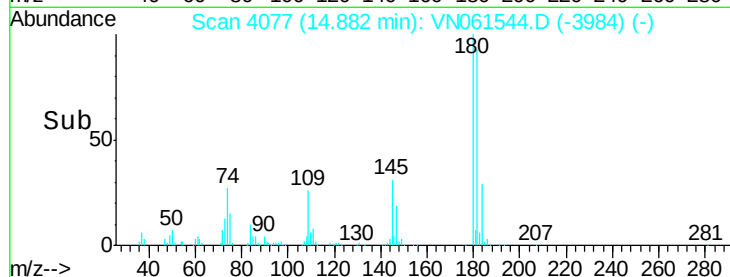
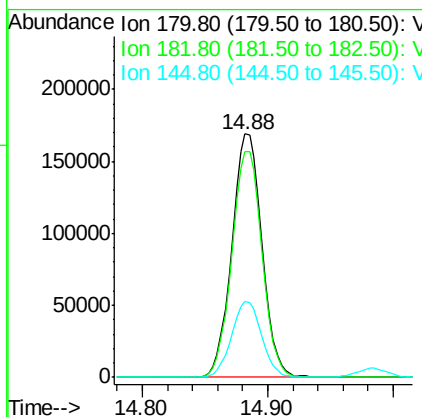
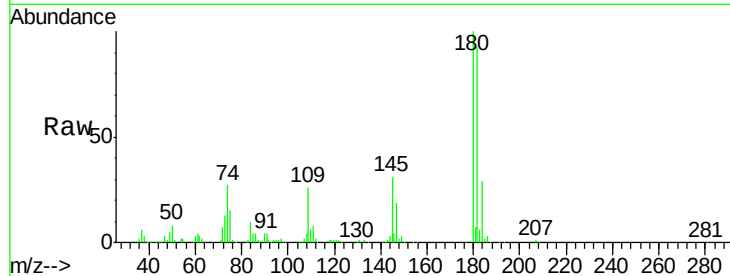
#93
 1,2,4-Trichlorobenzene
 Concen: 52.353 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280581		
182	93.5	47.8	143.3	
145	31.2	15.5	46.5	

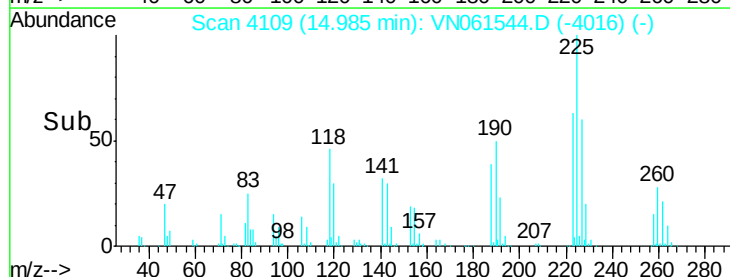
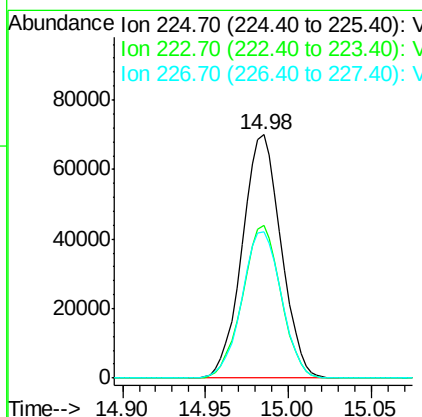
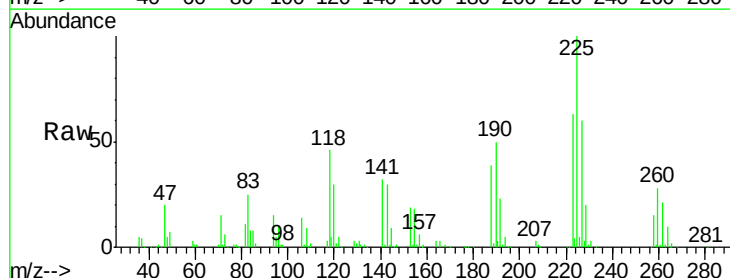
Manual Integrations
 APPROVED

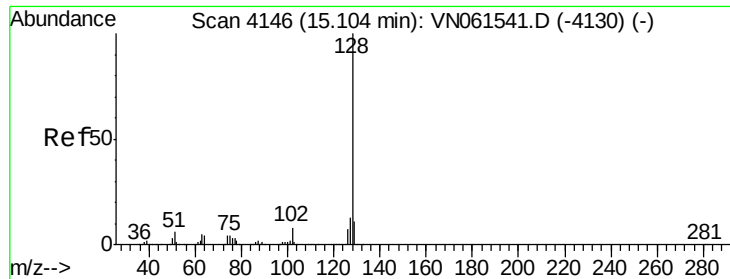
MMDadoda
 5/29/2020 5:46:55 PM



#94
 Hexachlorobutadiene
 Concen: 49.802 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113835		
223	62.0	31.9	95.5	
227	61.4	31.9	95.9	





#95

Naphthalene

Concen: 52.899 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

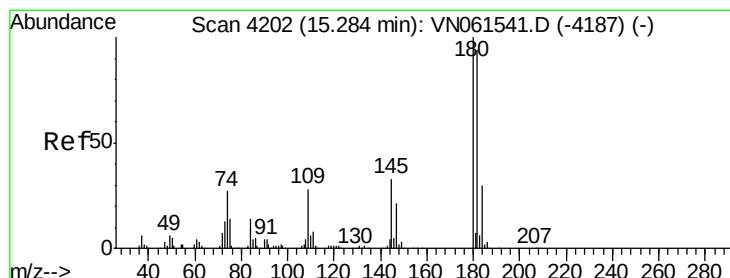
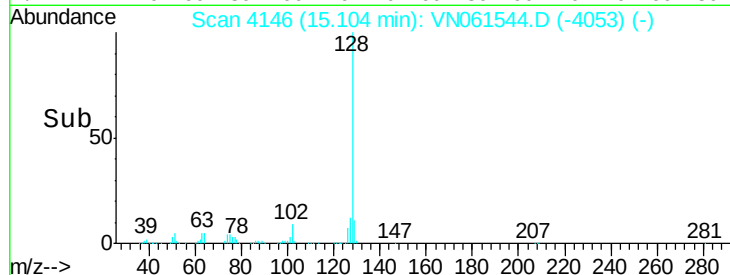
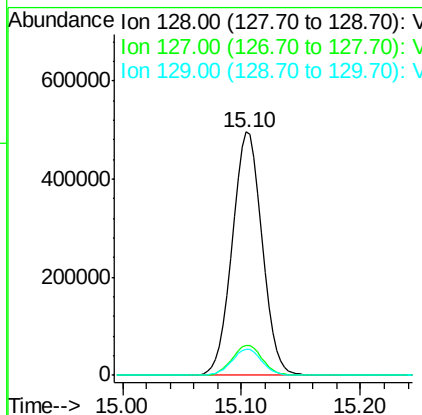
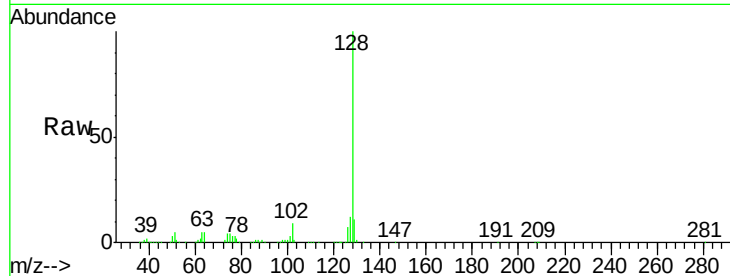
ClientSampleId :

ICVVN052820

Tot Ion:	128	Resp:	862934
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
5/29/2020 5:46:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.060 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Tgt Ion:	180	Resp:	274324
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.1	141.3
145	32.8	16.3	48.9

