

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063897.D
 Acq On : 6 Oct 2020 16:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:44 PM

Quant Time: Oct 06 17:34:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	287882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	465759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	438497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213815	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	216832	45.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.18%	
35) Dibromofluoromethane	7.55	113	152859	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
50) Toluene-d8	10.06	98	569643	46.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.00%	
62) 4-Bromofluorobenzene	12.38	95	216832	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	130835	43.071	ug/l	100
3) Chloromethane	2.04	50	156641	43.948	ug/l	100
4) Vinyl Chloride	2.16	62	155856	43.562	ug/l	99
5) Bromomethane	2.53	94	101122	44.935	ug/l	99
6) Chloroethane	2.67	64	102250	47.827	ug/l	99
7) Trichlorofluoromethane	2.99	101	261894	46.154	ug/l	98
8) Diethyl Ether	3.38	74	92798	48.357	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	136896	45.138	ug/l	97
10) Methyl Iodide	3.91	142	174728	49.618	ug/l	99
11) Tert butyl alcohol	4.73	59	132051	251.488	ug/l	99
12) 1,1-Dichloroethene	3.70	96	135093	46.601	ug/l	98
13) Acrolein	3.57	56	214954	667.012	ug/l	99
14) Allyl chloride	4.28	41	269898	50.115	ug/l	95
15) Acrylonitrile	4.93	53	377741	251.323	ug/l	99
16) Acetone	3.77	43	376624	257.247	ug/l	99
17) Carbon Disulfide	4.01	76	353631	45.202	ug/l	98
18) Methyl Acetate	4.28	43	197461	51.946	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	520646	49.435	ug/l	99
20) Methylene Chloride	4.51	84	164958	49.193	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	146656	45.166	ug/l	98
22) Diisopropyl ether	5.90	45	573988	51.801	ug/l	98
23) Vinyl Acetate	5.84	43	2375867	258.846	ug/l	100
24) 1,1-Dichloroethane	5.80	63	304030	47.988	ug/l	99
25) 2-Butanone	6.78	43	556591	268.150	ug/l	98
26) 2,2-Dichloropropane	6.78	77	284450	49.027	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	178427	47.779	ug/l	98
28) Bromochloromethane	7.15	49	157847	50.409	ug/l	96
29) Tetrahydrofuran	7.16	42	356409	256.016	ug/l	98
30) Chloroform	7.33	83	320736	48.553	ug/l	97
31) Cyclohexane	7.61	56	249111	45.117	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	294516	49.428	ug/l	99
36) 1,1-Dichloropropene	7.75	75	230816	48.916	ug/l	100
37) Ethyl Acetate	6.88	43	228763	48.798	ug/l	99
38) Carbon Tetrachloride	7.73	117	256548	48.486	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	212543	45.169	ug/l	99
40) Benzene	8.00	78	662903	49.186	ug/l	99
41) Methacrylonitrile	7.12	41	83942	40.288	ug/l #	64
42) 1,2-Dichloroethane	8.08	62	280894	48.825	ug/l	100
43) Isopropyl Acetate	8.13	43	403026	52.120	ug/l #	92
44) Trichloroethene	8.80	130	167112	47.323	ug/l	100
45) 1,2-Dichloropropane	9.08	63	181863	49.965	ug/l	99
46) Dibromomethane	9.17	93	122198	48.666	ug/l	99
47) Bromodichloromethane	9.37	83	263133	50.848	ug/l	100
48) Methyl methacrylate	9.17	41	203344	53.226	ug/l	94
49) 1,4-Dioxane	9.17	88	52084	959.253	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1228626	270.750	ug/l	99
52) Toluene	10.13	92	424332	50.902	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	285120	51.399	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	300142	51.736	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	173727	51.965	ug/l	97
56) Ethyl methacrylate	10.40	69	252700	53.326	ug/l	97
57) 1,3-Dichloropropane	10.68	76	293284	51.853	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	686447	270.807	ug/l	99
59) 2-Hexanone	10.72	43	900628	267.169	ug/l	100
60) Dibromochloromethane	10.87	129	197142	50.635	ug/l	99
61) 1,2-Dibromoethane	10.98	107	177021	51.764	ug/l	100
64) Tetrachloroethene	10.60	164	159156	46.914	ug/l	97
65) Chlorobenzene	11.41	112	444965	49.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	179351	52.010	ug/l	99
67) Ethyl Benzene	11.49	91	824160	50.353	ug/l	99
68) m/p-Xylenes	11.59	106	614899	100.801	ug/l	99
69) o-Xylene	11.92	106	294153	51.591	ug/l	99
70) Styrene	11.94	104	507787	52.466	ug/l	99
71) Bromoform	12.10	173	133633	50.669	ug/l #	97
73) Isopropylbenzene	12.23	105	790963	50.717	ug/l	99
74) N-amyl acetate	12.05	43	357953	49.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	240062	50.338	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	231448m	49.105	ug/l	
77) Bromobenzene	12.50	156	194648	50.865	ug/l	99
78) n-propylbenzene	12.57	91	906325	49.935	ug/l	100
79) 2-Chlorotoluene	12.65	91	558044	49.992	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	664555	50.792	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	85937	52.513	ug/l	98
82) 4-Chlorotoluene	12.75	91	595758	51.412	ug/l	100
83) tert-Butylbenzene	12.97	119	541169	50.566	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	674620	51.644	ug/l	99
85) sec-Butylbenzene	13.15	105	701020	49.870	ug/l	99
86) p-Isopropyltoluene	13.26	119	637717	51.282	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	345458	49.899	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	348172	48.301	ug/l	99
89) n-Butylbenzene	13.59	91	541988	47.222	ug/l	99
90) Hexachloroethane	13.85	117	118943	49.360	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	343206	50.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	54774	48.975	ug/l	94

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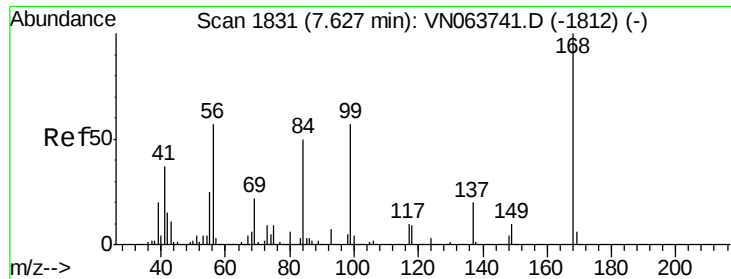
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	169216	45.543	ug/l	98
94) Hexachlorobutadiene	14.98	225	93473	50.275	ug/l	98
95) Naphthalene	15.10	128	511338	44.540	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	165279	45.837	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 287882

Ion Ratio Lower Upper

168 100

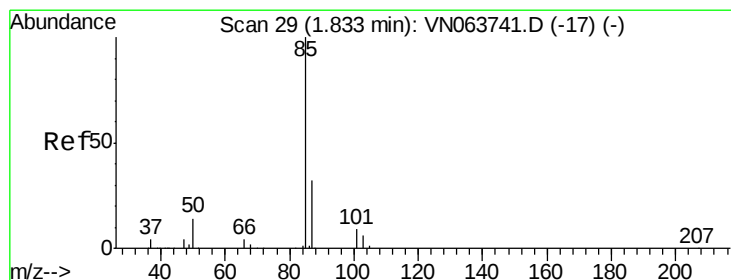
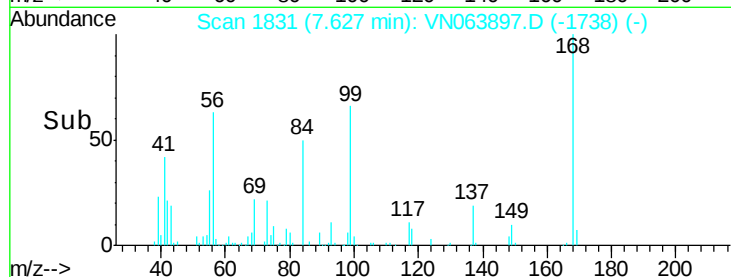
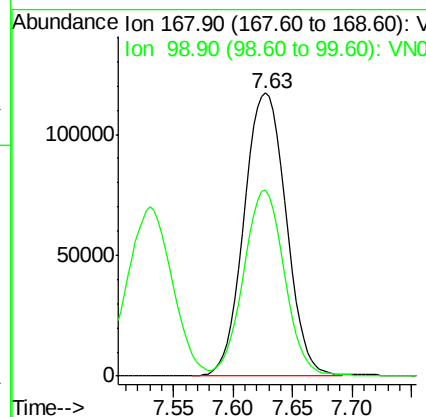
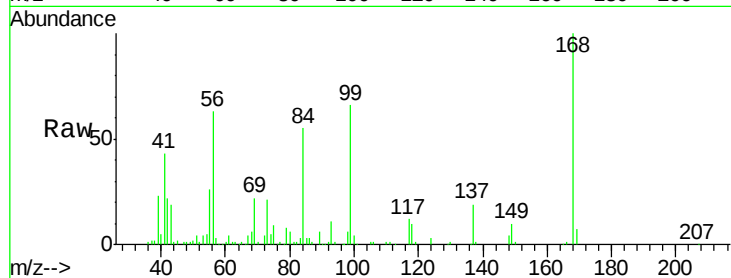
99 65.3 51.8 77.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 43.071 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063897.D

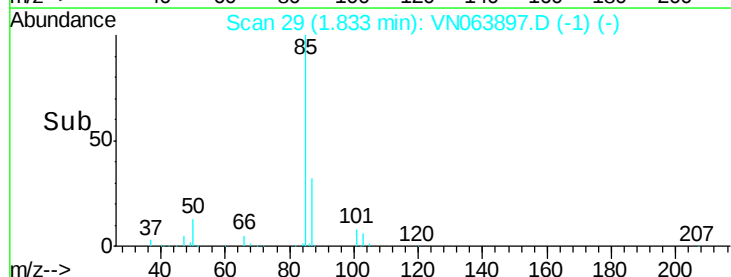
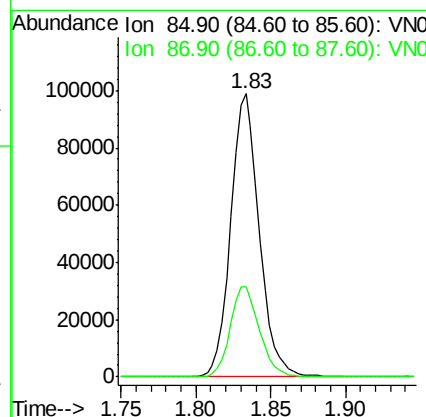
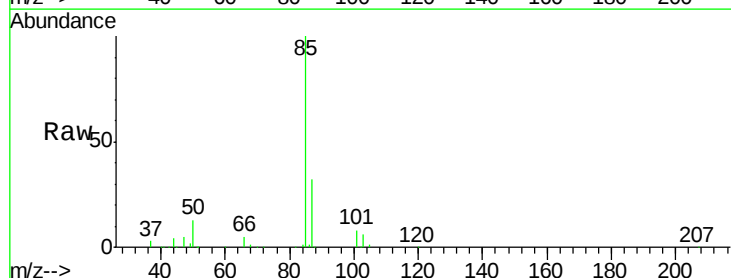
Acq: 6 Oct 2020 16:25

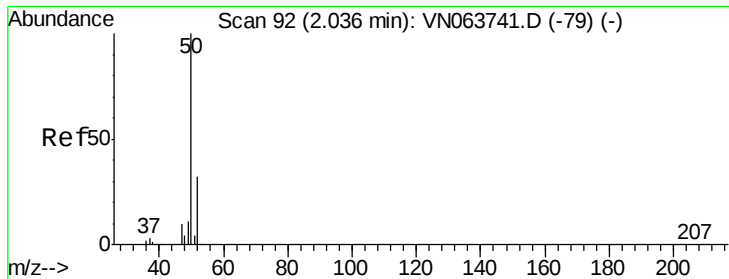
Tgt Ion: 85 Resp: 130835

Ion Ratio Lower Upper

85 100

87 31.9 16.0 48.0





#3

Chloromethane

Concen: 43.948 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 156641

Ion Ratio Lower Upper

50 100

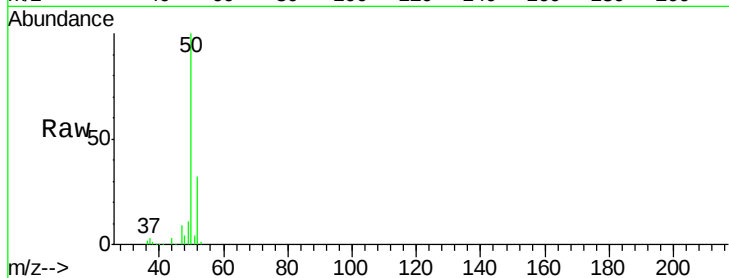
52 32.4 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

120000

100000

80000

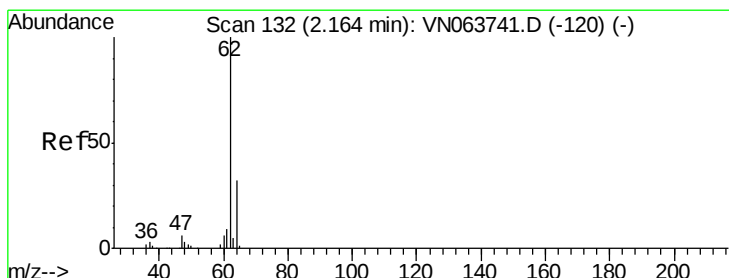
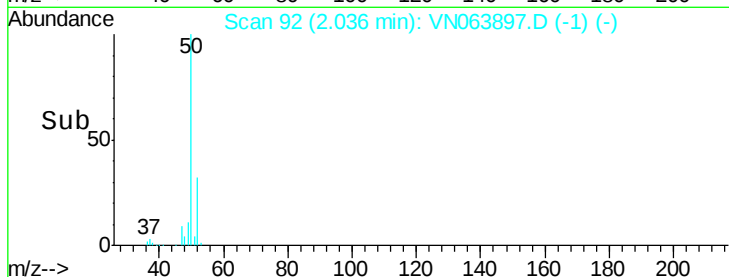
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 43.562 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063897.D

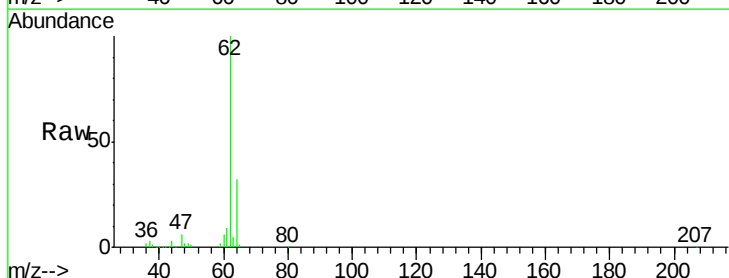
Acq: 6 Oct 2020 16:25

Tgt Ion: 62 Resp: 155856

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

120000

100000

80000

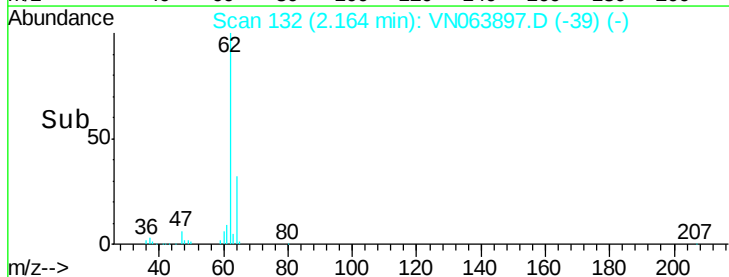
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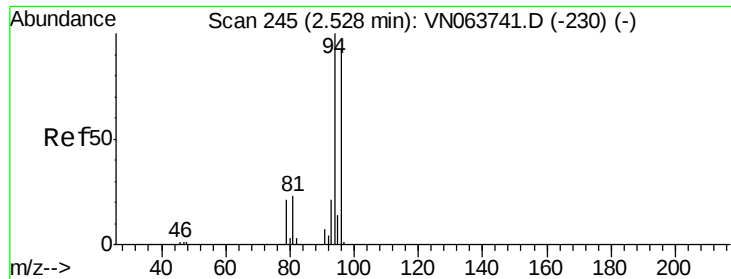
40000

20000

0

Time--> 2.10 2.15 2.20





#5

Bromomethane

Concen: 44.935 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 101122

Ion Ratio Lower Upper

94 100

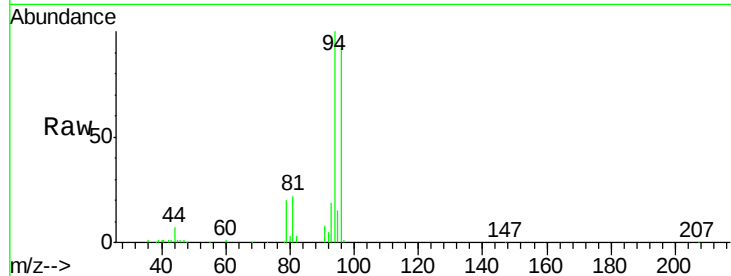
96 92.4 73.3 109.9

Manual Integrations

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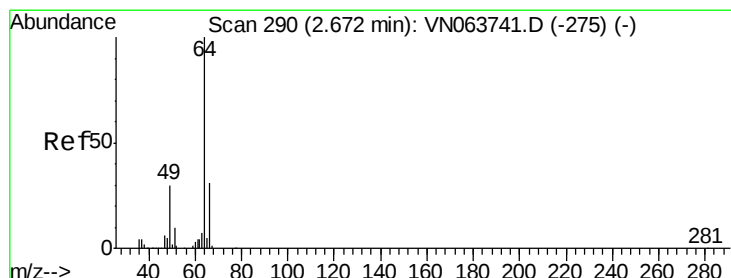
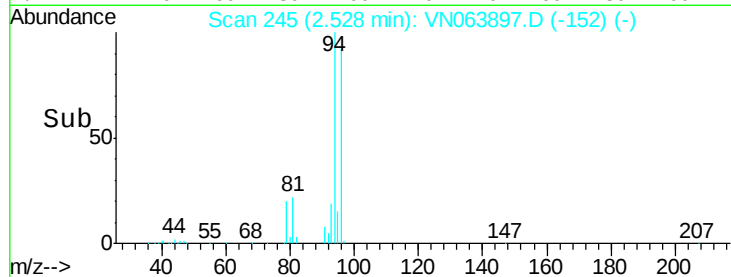
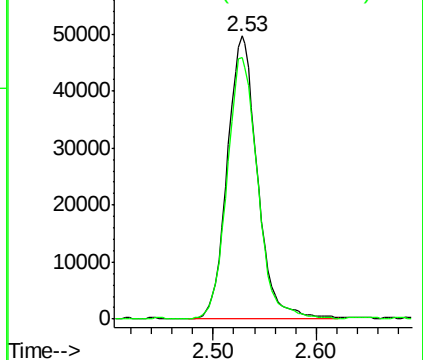
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.827 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063897.D

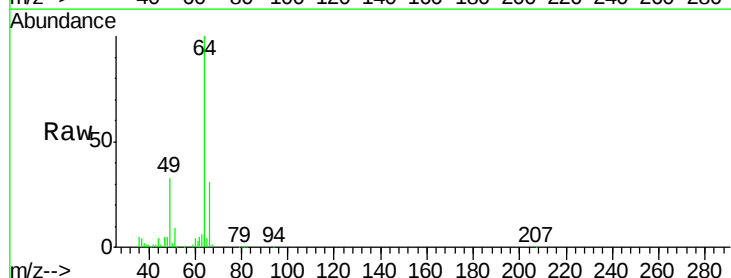
Acq: 6 Oct 2020 16:25

Tgt Ion: 64 Resp: 102250

Ion Ratio Lower Upper

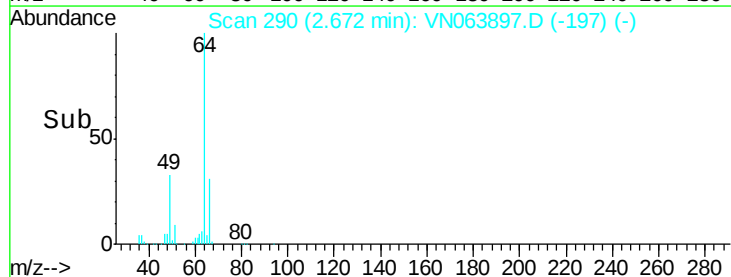
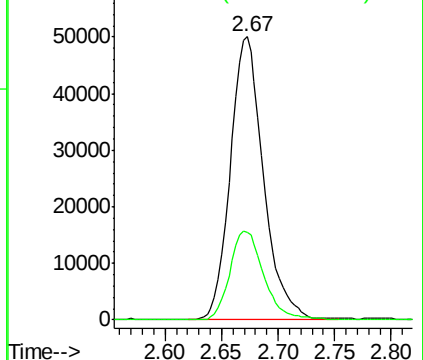
64 100

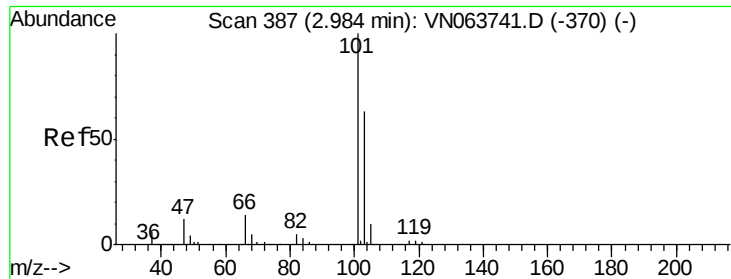
66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

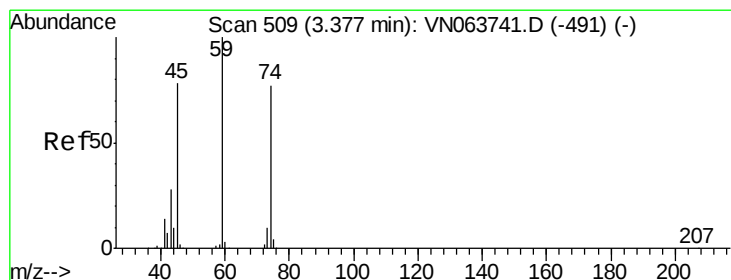
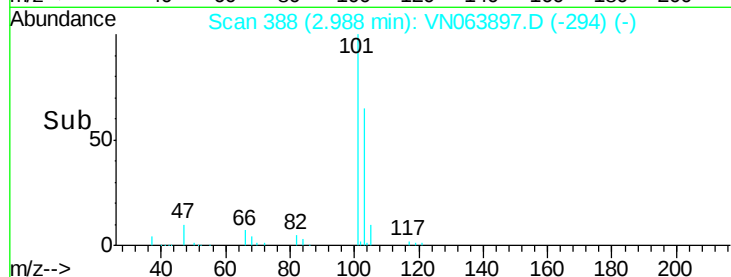
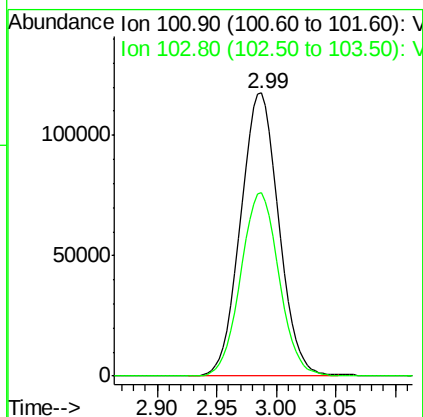
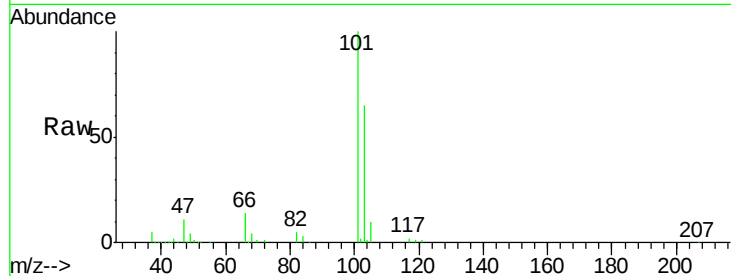
Trichlorofluoromethane
Concen: 46.154 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

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MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.7	76.1

Manual Integrations
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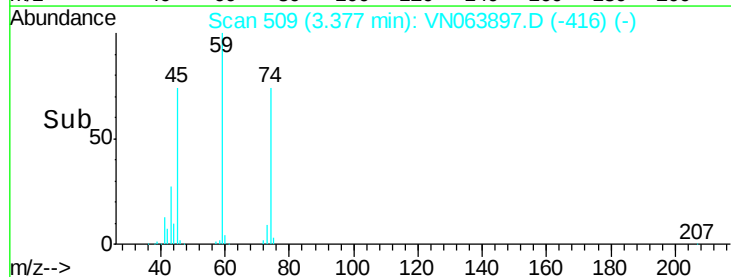
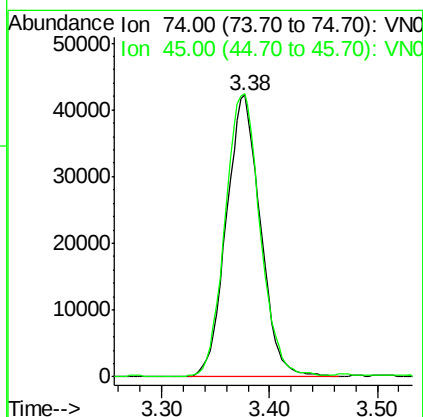
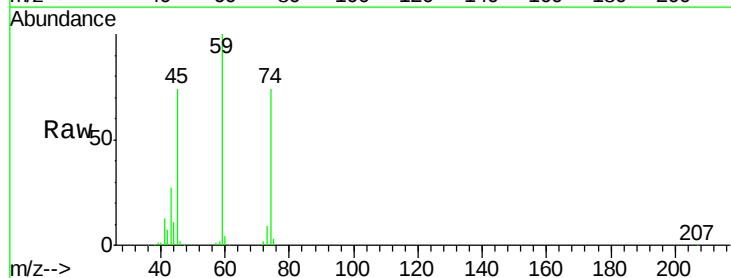
MMDadoda
10/7/2020 12:11:44 PM

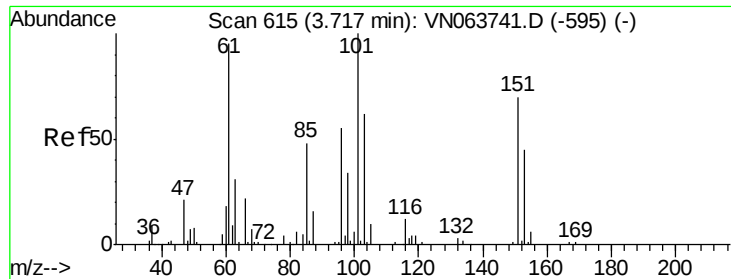


#8

Diethyl Ether
Concen: 48.357 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.138 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

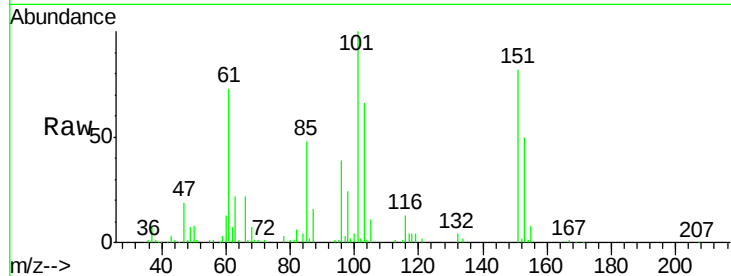
ClientSampleId :

VSTDCCC050

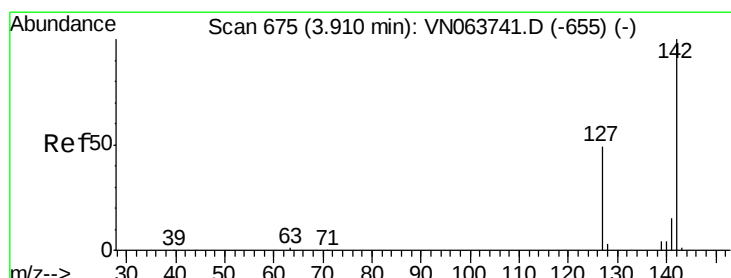
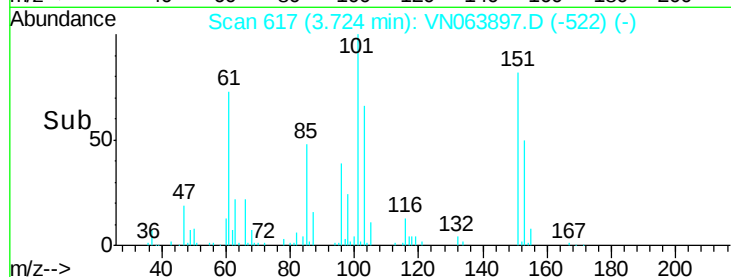
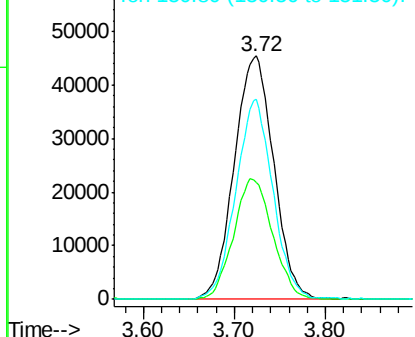
Tot Ion:	101	Resp:	136896
Ion Ratio	Lower	Upper	
101	100		
85	49.0	38.6	58.0
151	77.3	58.7	88.1

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.618 ug/l

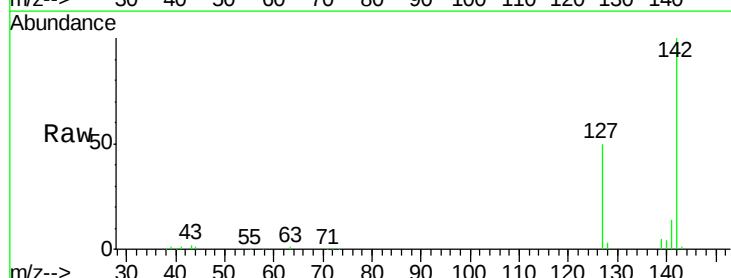
RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

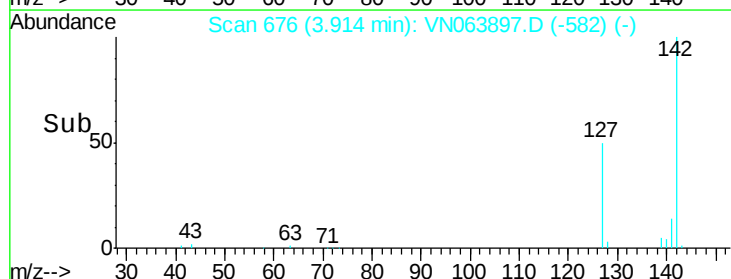
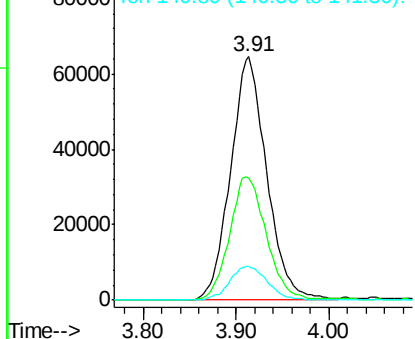
Lab File: VN063897.D

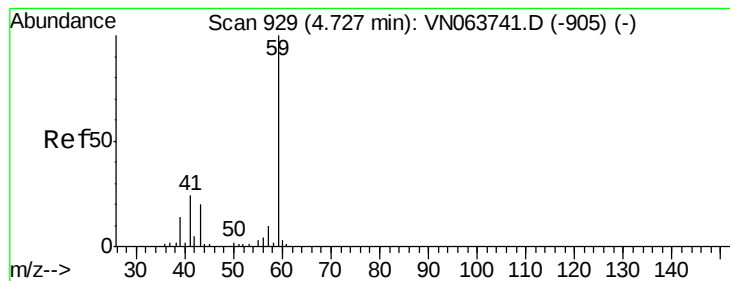
Acq: 6 Oct 2020 16:25

Tgt Ion:	142	Resp:	174728
Ion Ratio	Lower	Upper	
142	100		
127	51.2	40.5	60.7
141	14.5	11.7	17.5



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

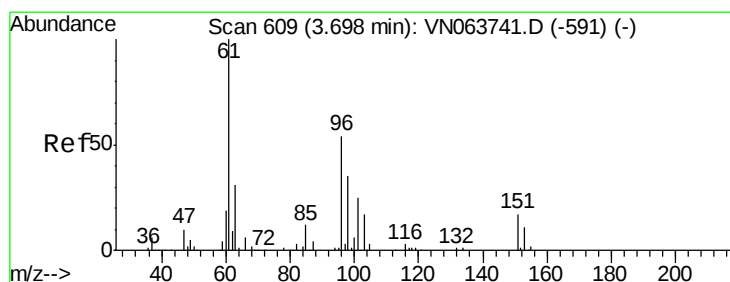
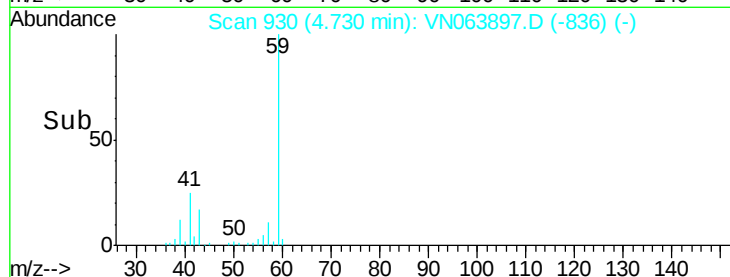
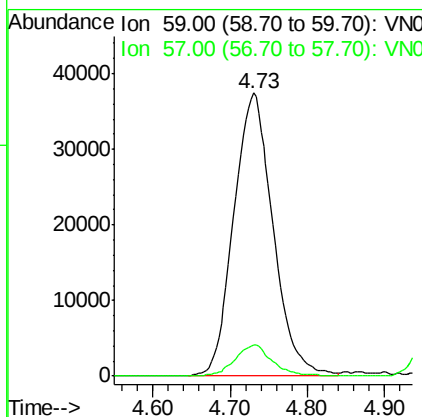
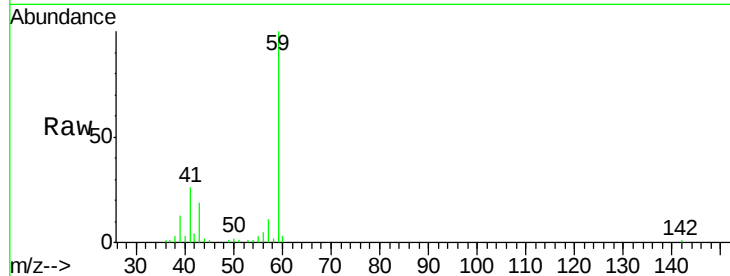
Tert butyl alcohol
 Concen: 251.488 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	132051
Ion Ratio	100	Lower	Upper
59	100		
57	10.3	8.7	13.1

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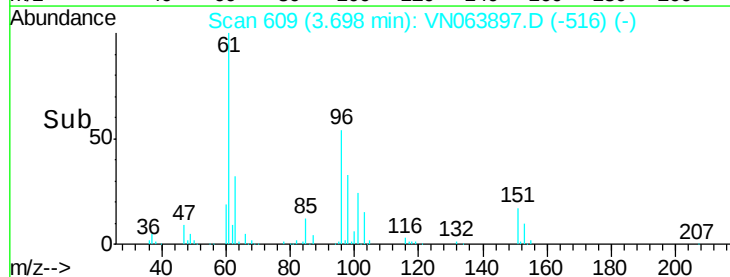
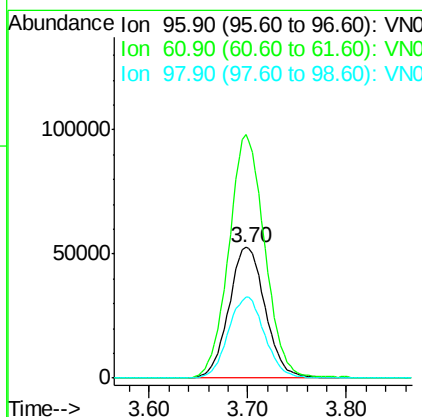
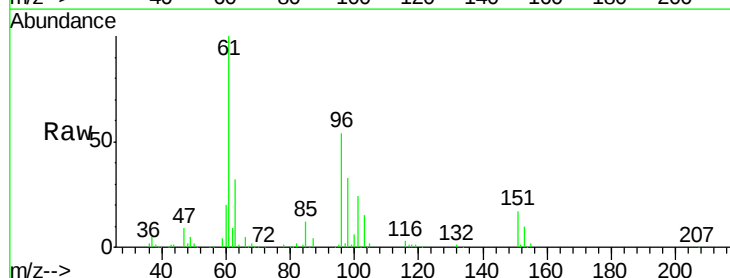
MMDadoda
 10/7/2020 12:11:44 PM

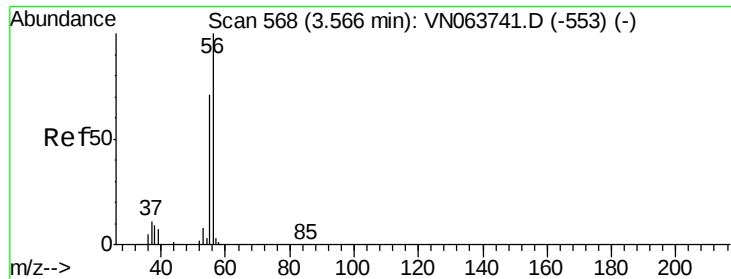


#12

1,1-Dichloroethene
 Concen: 46.601 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion	96	Resp	135093
Ion Ratio	100	Lower	Upper
96	100		
61	185.8	147.7	221.5
98	62.1	51.9	77.9





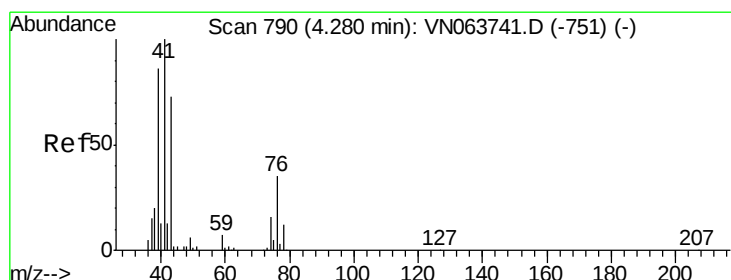
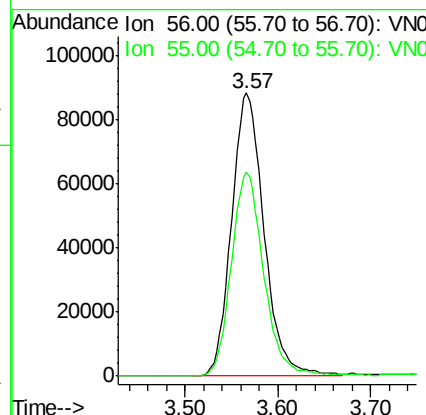
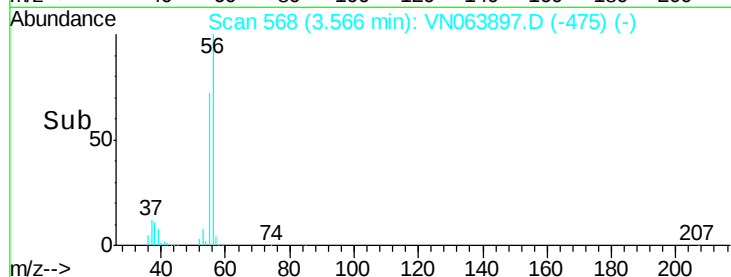
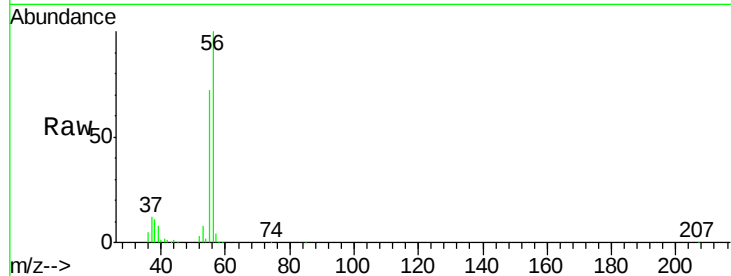
#13
 Acrolein
 Concen: 667.012 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.6	56.9	85.3

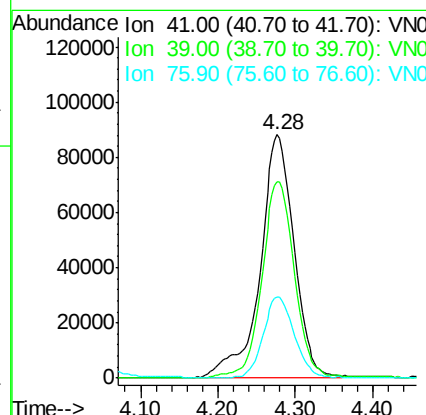
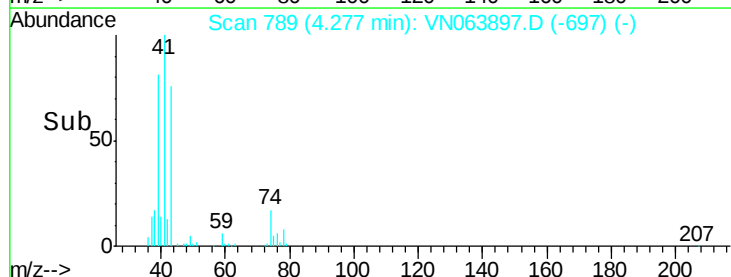
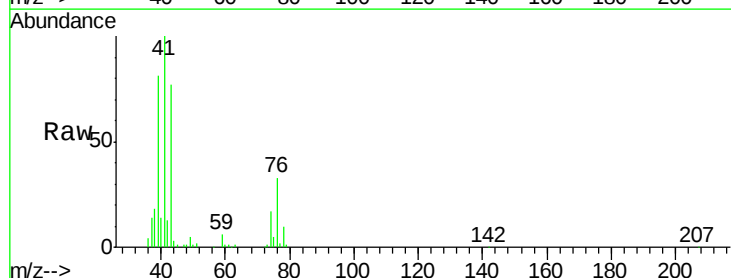
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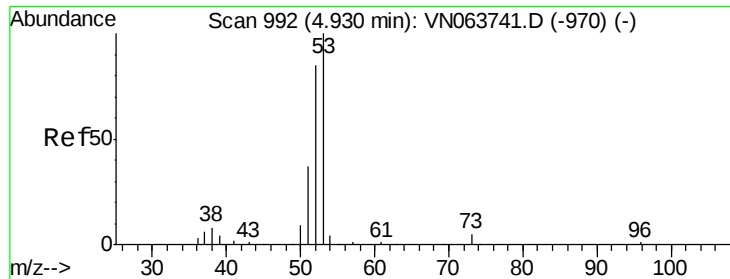
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#14
 Allyl chloride
 Concen: 50.115 ug/l
 RT: 4.28 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	76.3	64.5	96.7
76	76	29.6	25.9	38.9





#15

Acrylonitrile

Concen: 251.323 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

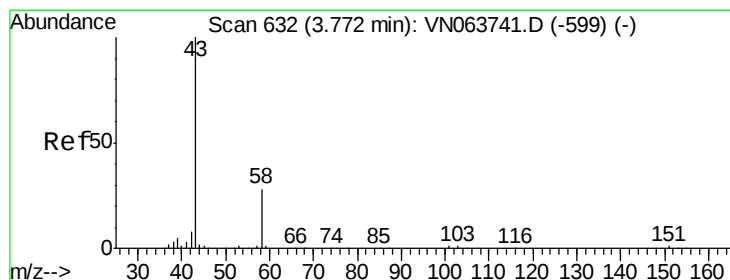
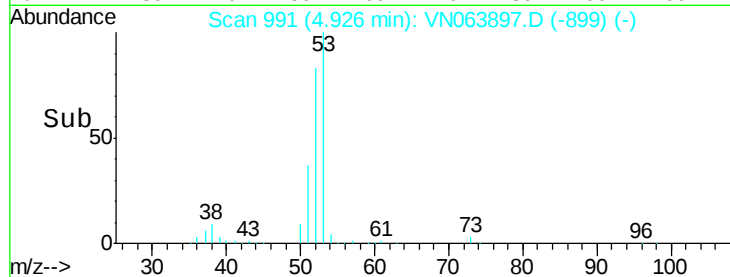
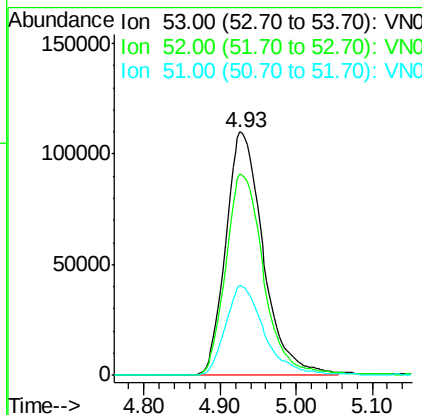
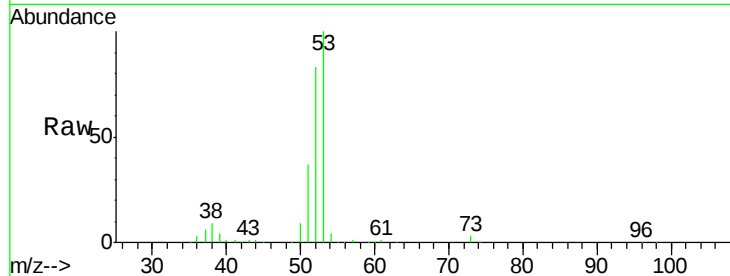
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	377741
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	38.2	29.9	44.9

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#16

Acetone

Concen: 257.247 ug/l

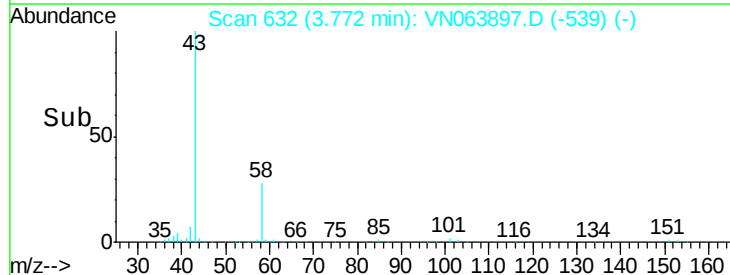
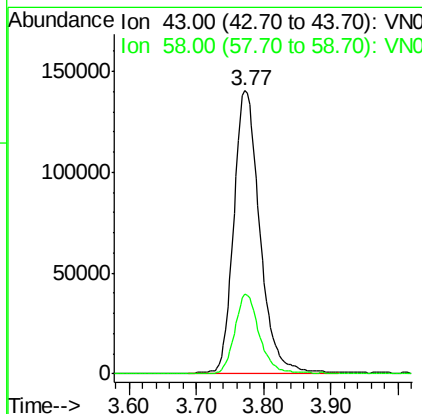
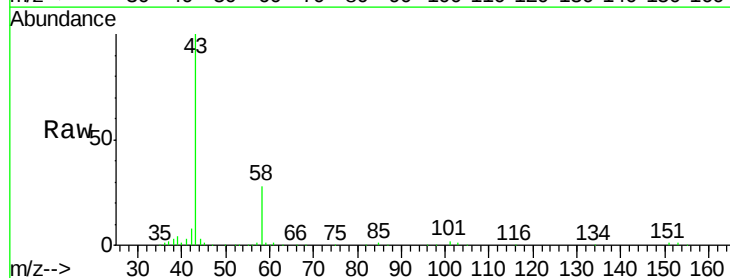
RT: 3.77 min Scan# 632

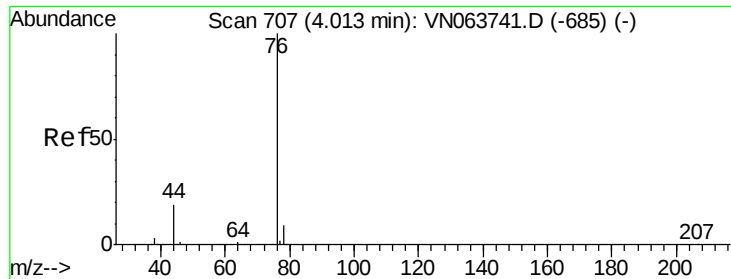
Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Tgt Ion:	43	Resp:	376624
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.3	33.5





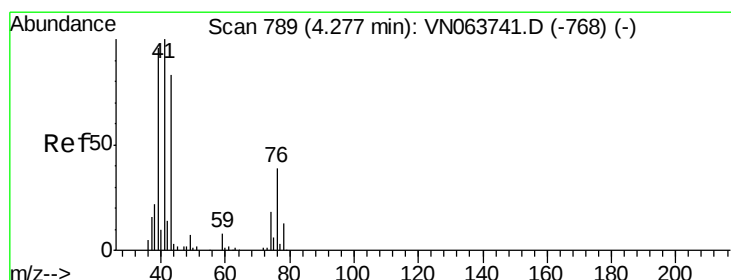
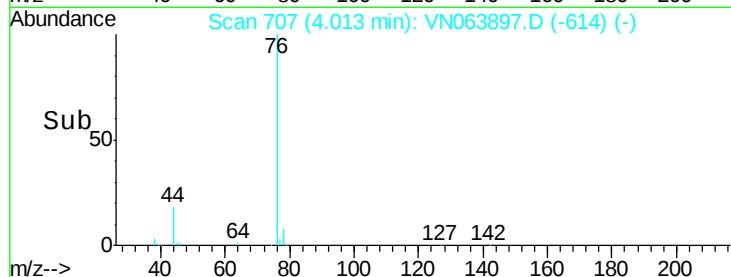
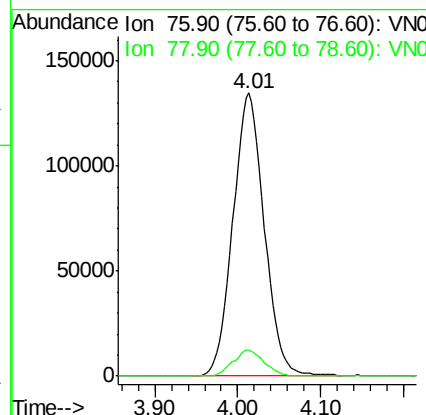
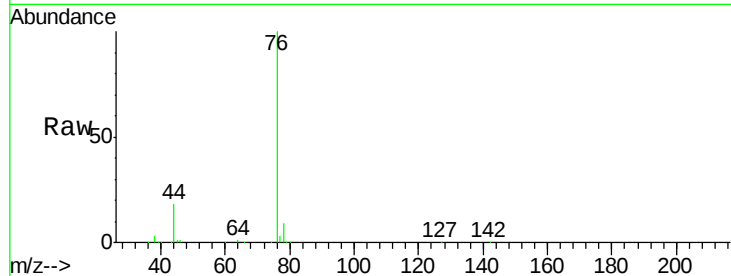
#17
Carbon Disulfide
Concen: 45.202 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

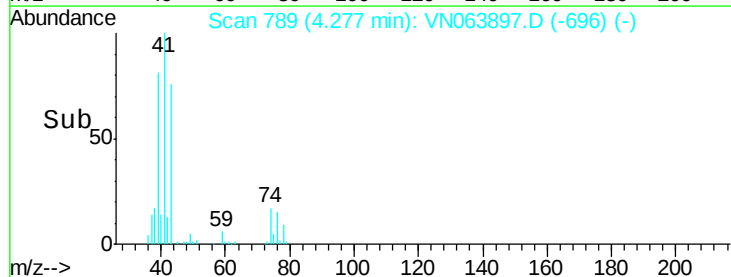
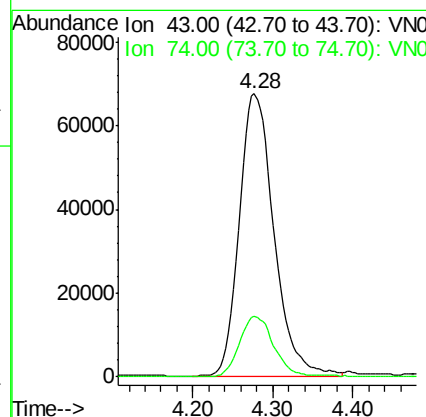
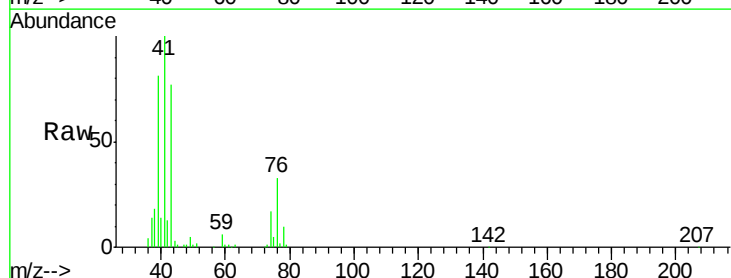
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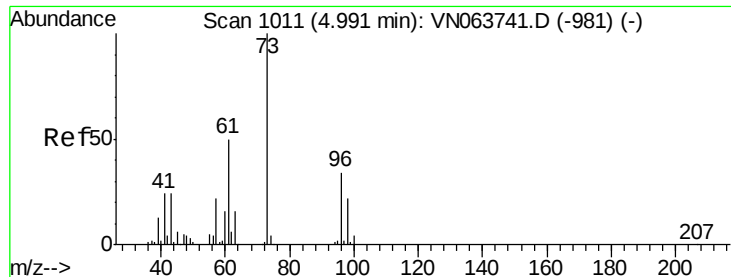
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#18
Methyl Acetate
Concen: 51.946 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.4	26.2





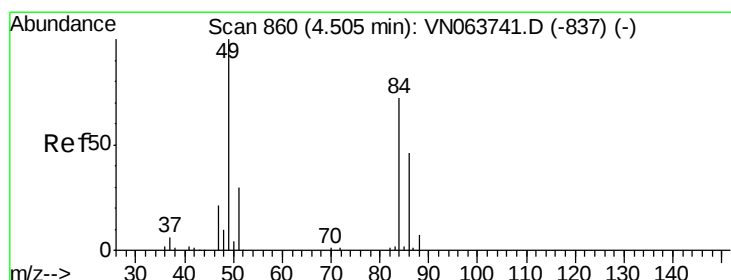
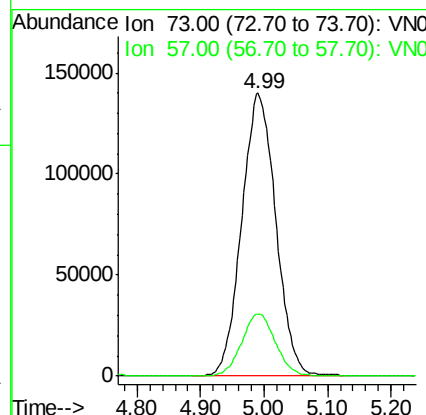
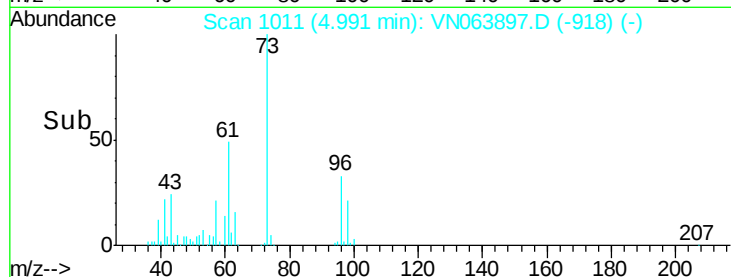
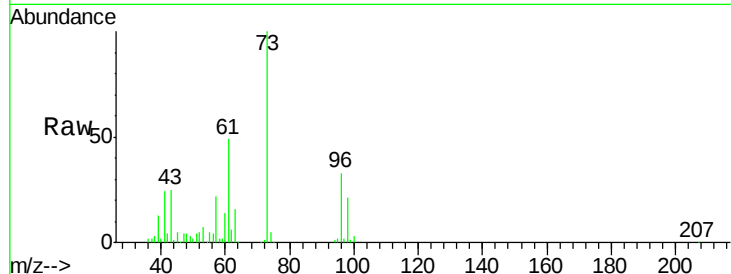
#19
Methvl tert-butvl Ether
Concen: 49.435 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 520646
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

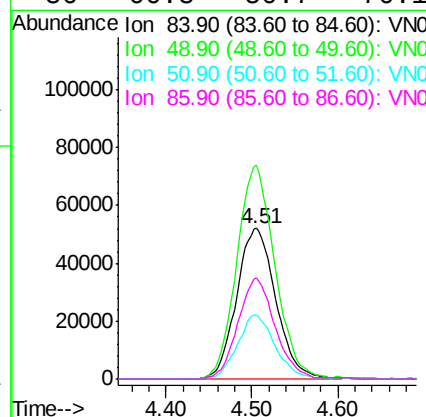
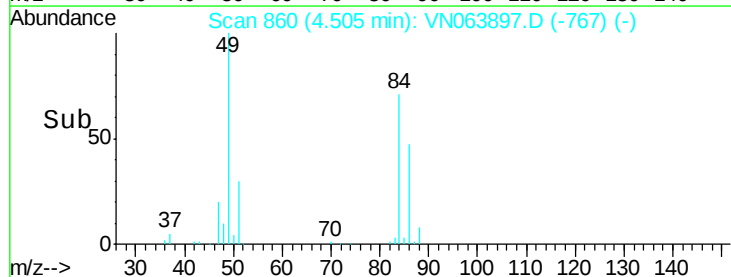
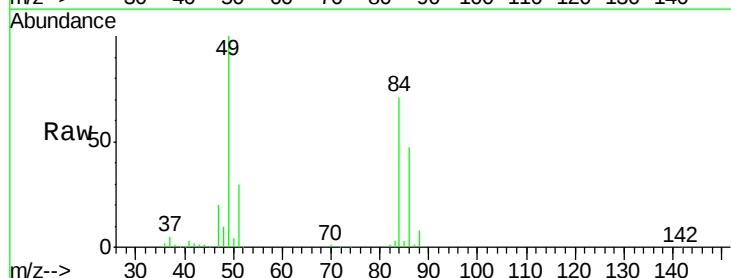
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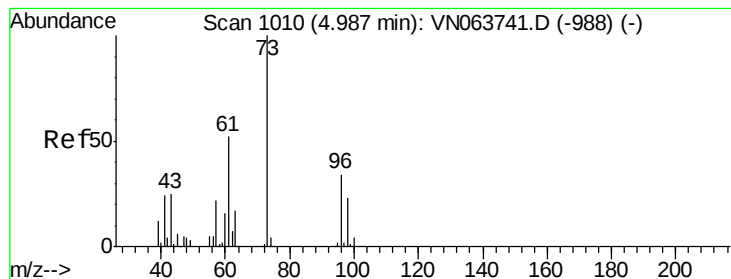
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#20
Methylene Chloride
Concen: 49.193 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion: 84 Resp: 164958
Ion Ratio Lower Upper
84 100
49 141.7 110.4 165.6
51 42.1 33.3 49.9
86 66.8 50.7 76.1





#21

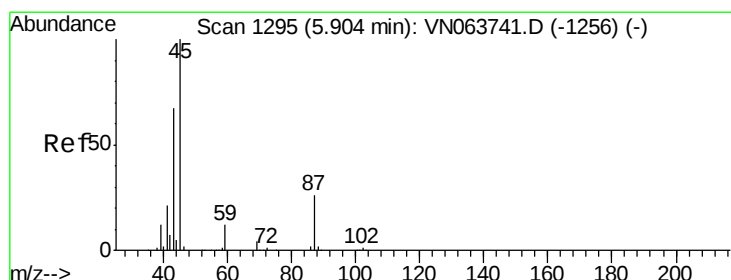
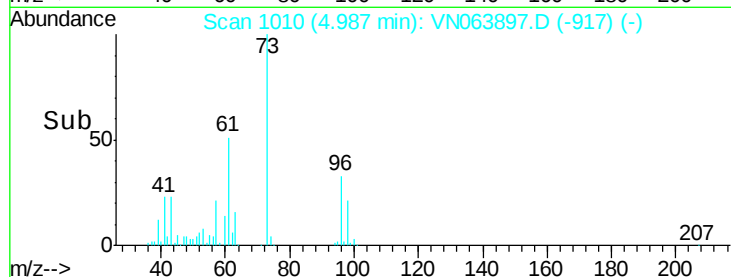
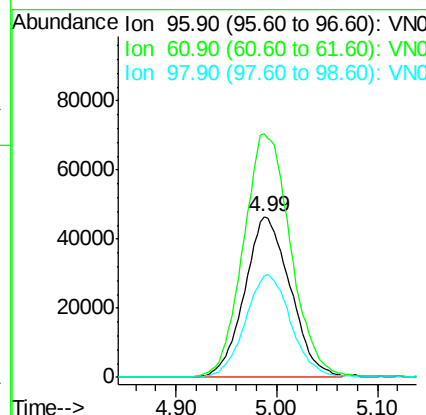
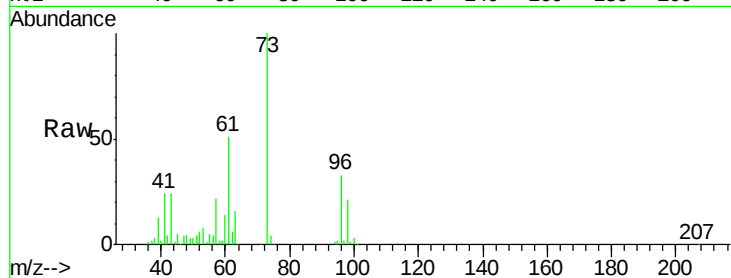
trans-1,2-Dichloroethene
Concen: 45.166 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	120.2	180.2
98	62.9	52.6	79.0

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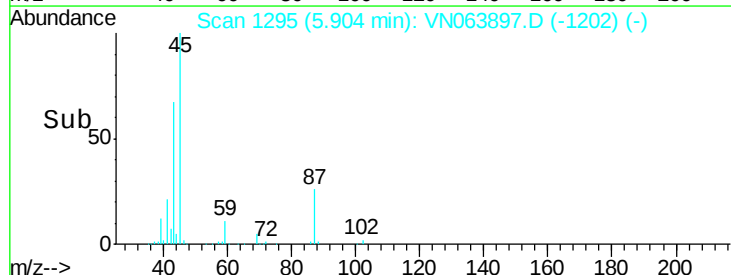
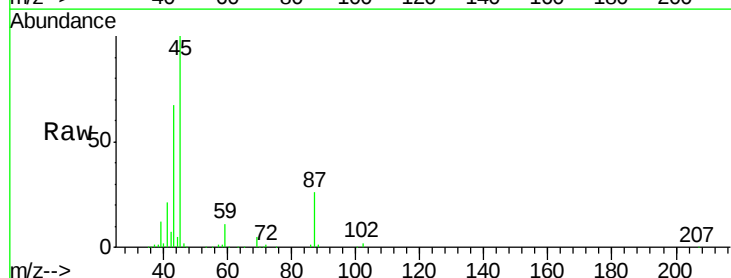
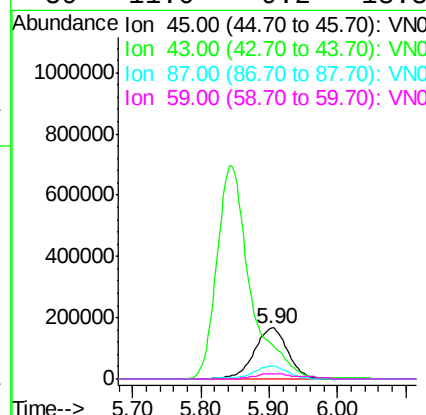
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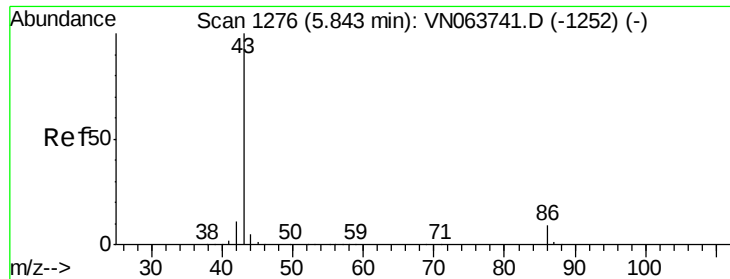


#22

Diisopropyl ether
Concen: 51.801 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.5	53.7	80.5
87	25.5	21.1	31.7
59	11.0	9.2	13.8





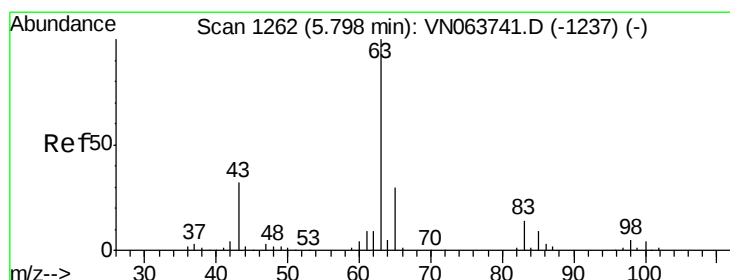
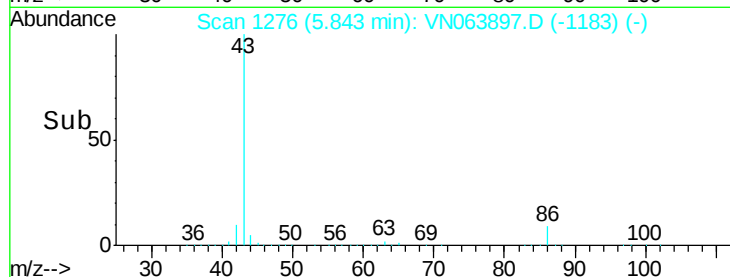
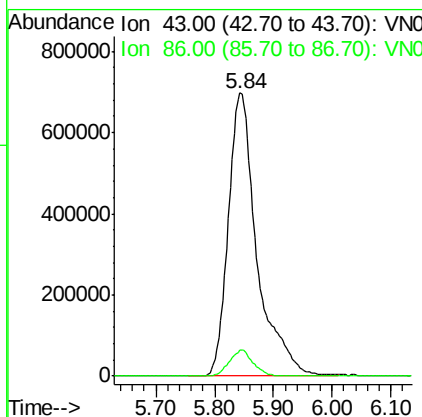
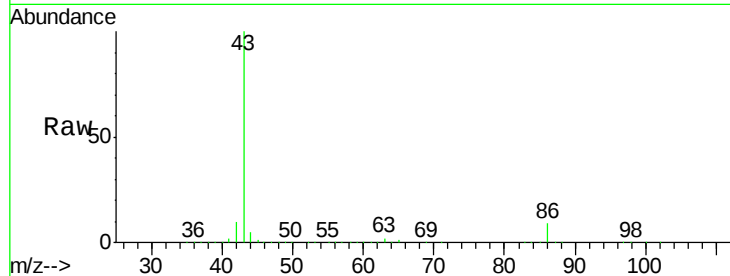
#23
 Vinyl Acetate
 Concen: 258.846 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2375867
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.3 10.9

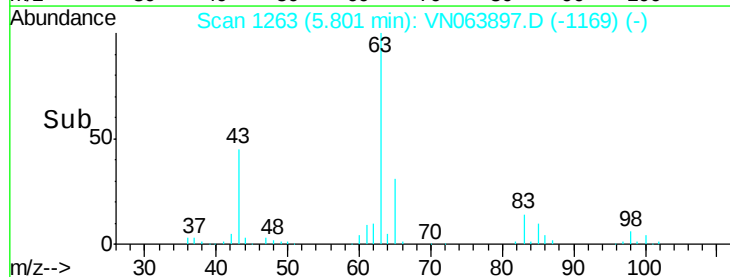
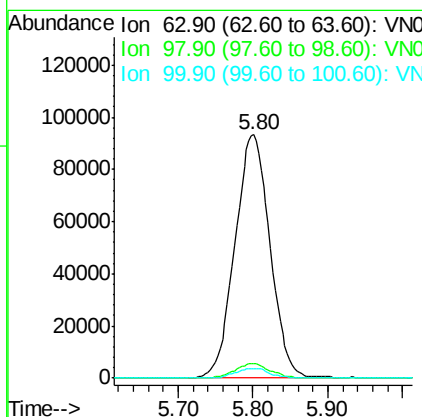
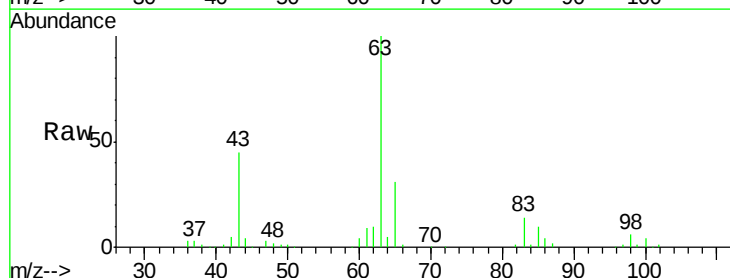
Manual Integrations
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 10/7/2020 12:11:44 PM



#24
 1,1-Dichloroethane
 Concen: 47.988 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion: 63 Resp: 304030
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.7 8.1
 100 4.0 1.9 5.7





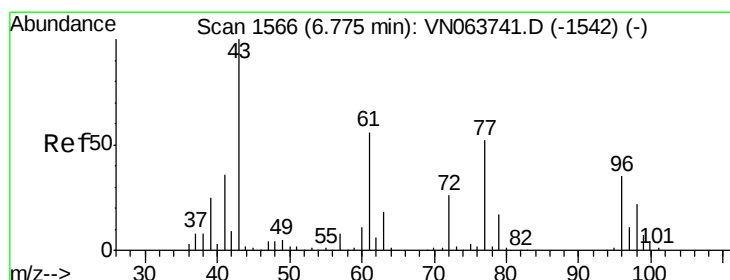
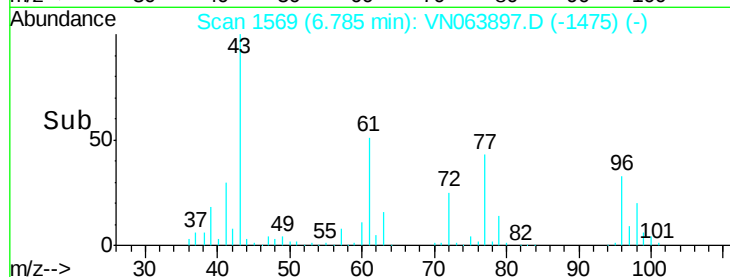
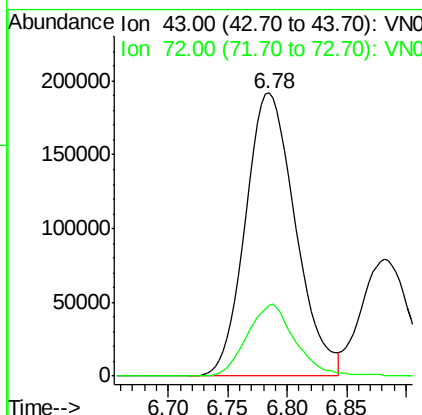
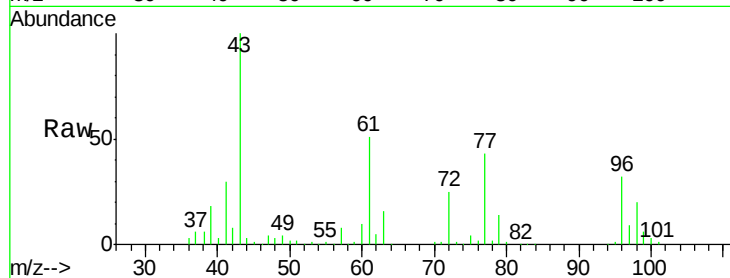
#25
2-Butanone
Concen: 268.150 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 556591
Ion Ratio Lower Upper
43 100
72 24.9 19.3 28.9

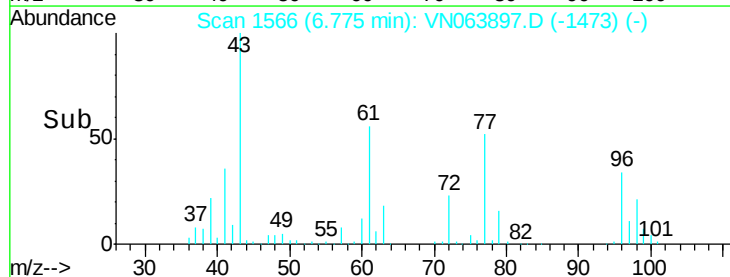
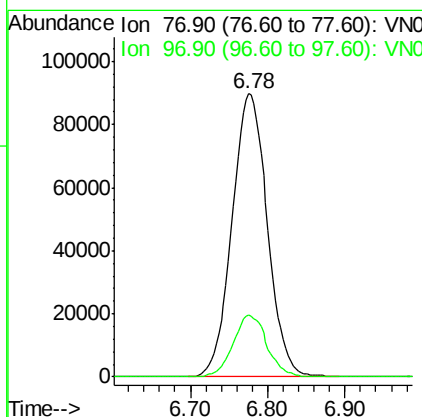
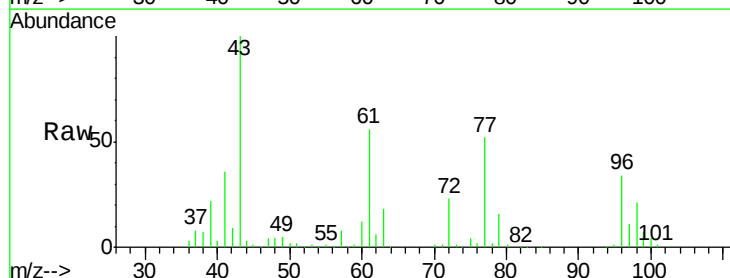
Manual Integrations
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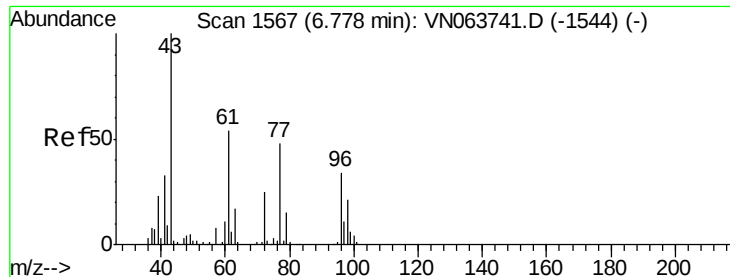
MMDadoda
10/7/2020 12:11:44 PM



#26
2,2-Dichloropropane
Concen: 49.027 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion: 77 Resp: 284450
Ion Ratio Lower Upper
77 100
97 21.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 47.779 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

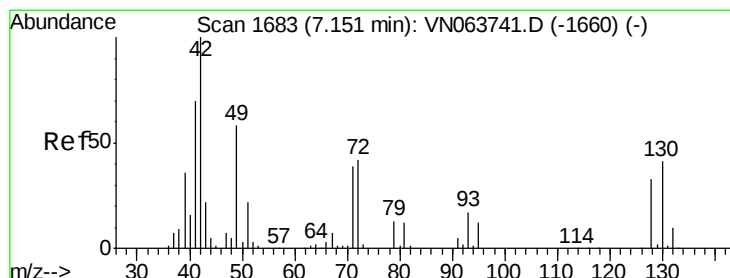
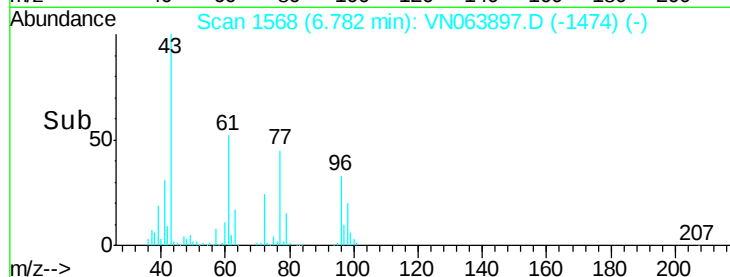
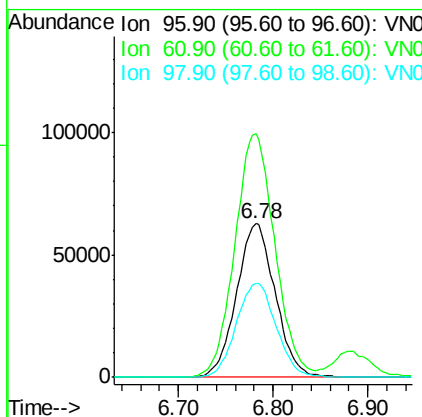
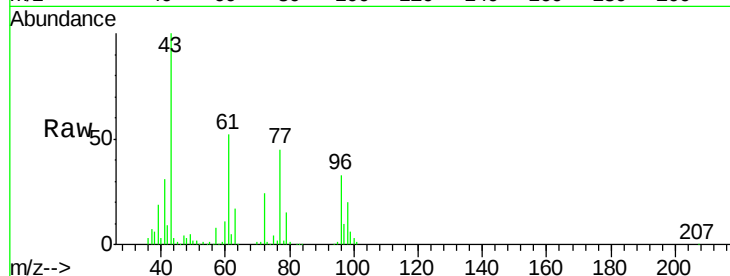
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	178427
Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	321.2
98	63.5	0.0	124.4

Manual Integrations
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10/7/2020 12:11:44 PM



#28

Bromochloromethane

Concen: 50.409 ug/l

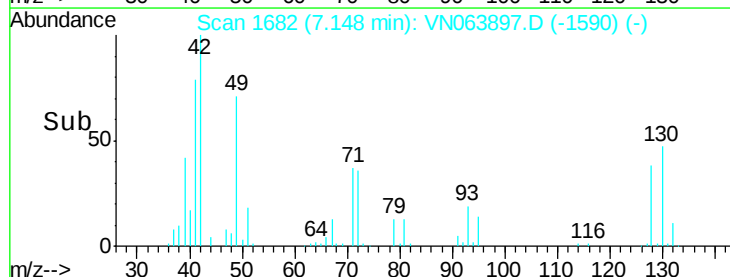
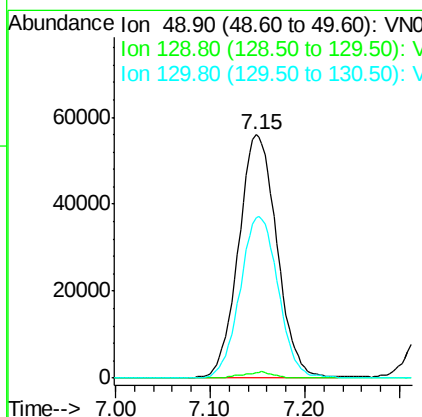
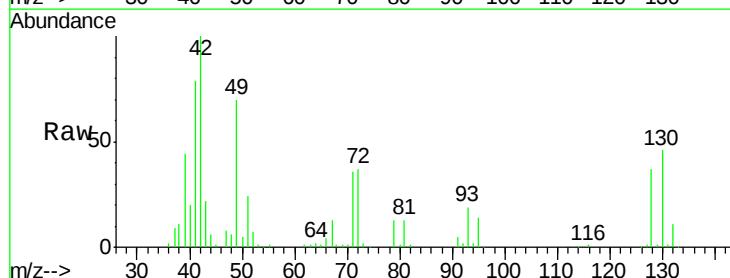
RT: 7.15 min Scan# 1682

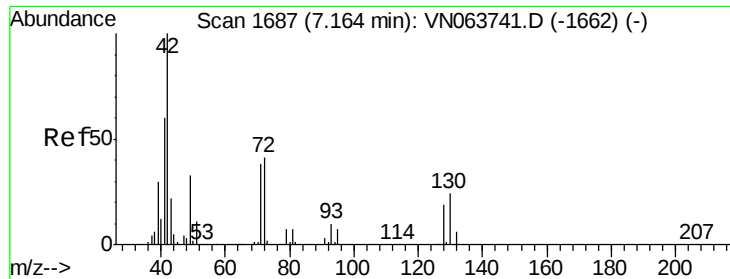
Delta R.T. -0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Tgt Ion:	49	Resp:	157847
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	65.9	55.6	83.4





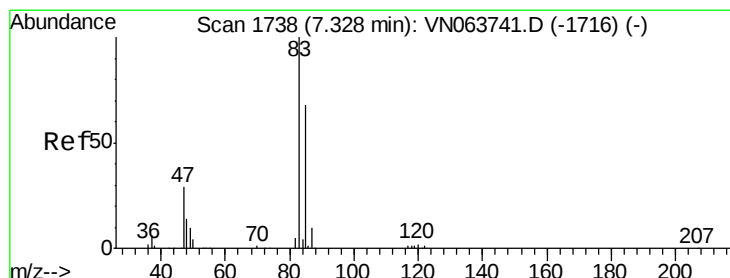
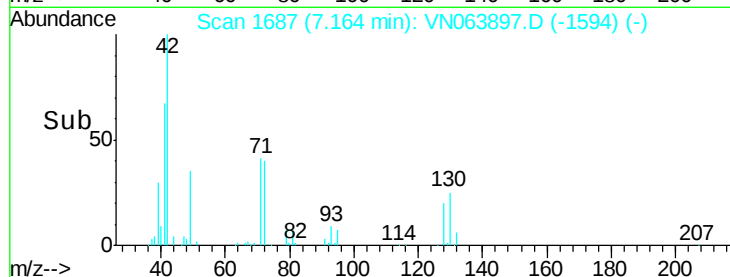
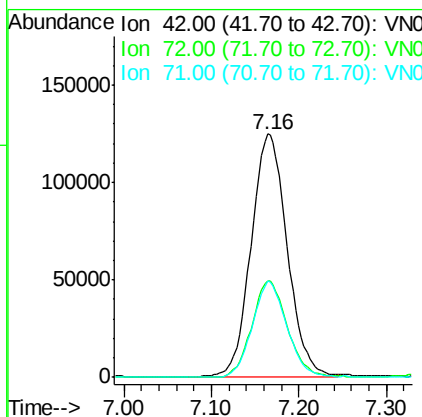
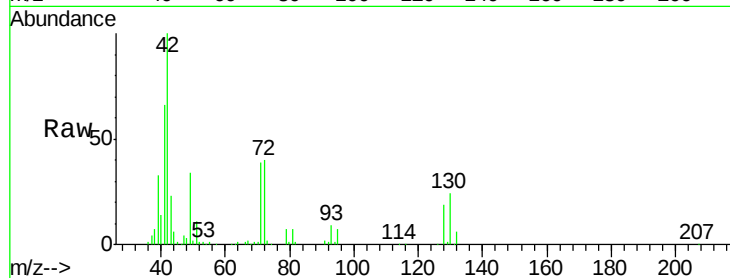
#29
Tetrahydrofuran
Concen: 256.016 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	32.8	49.2
71	37.7	30.6	45.8

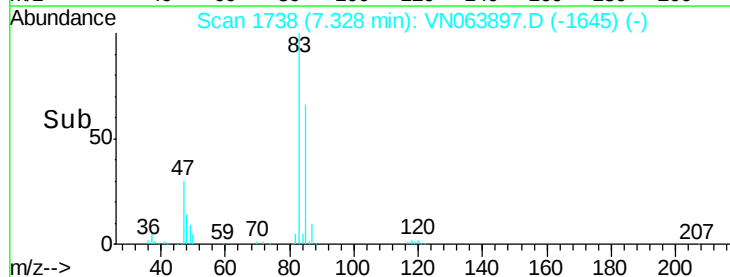
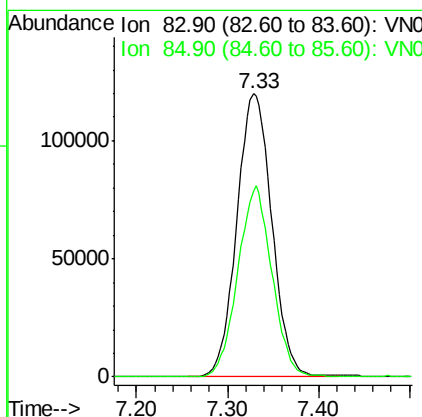
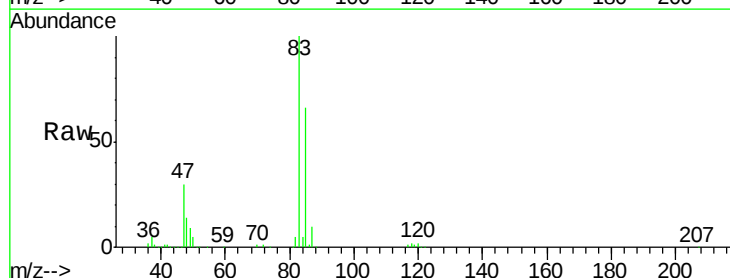
Manual Integrations
APPROVED

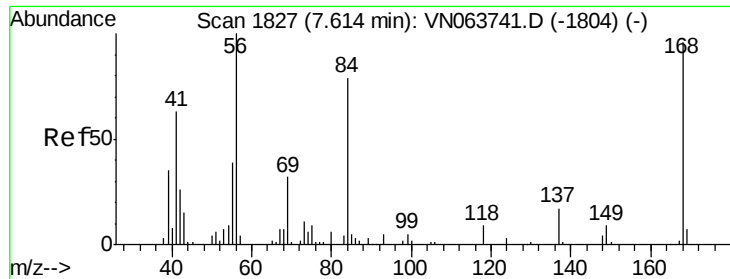
MMDadoda
10/7/2020 12:11:44 PM



#30
Chloroform
Concen: 48.553 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	54.6	82.0





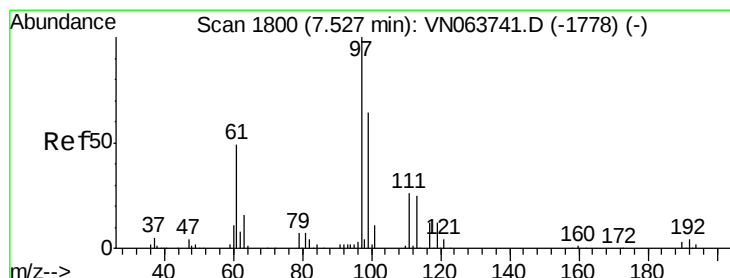
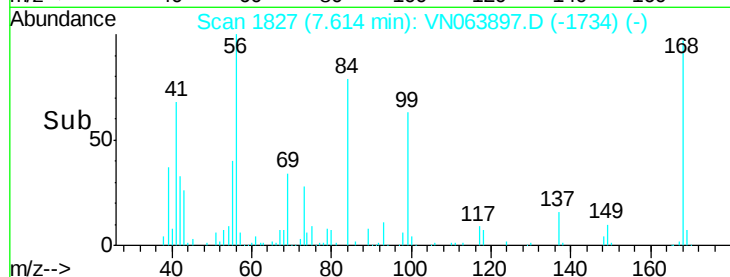
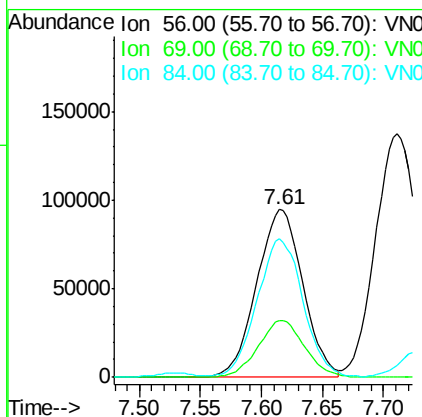
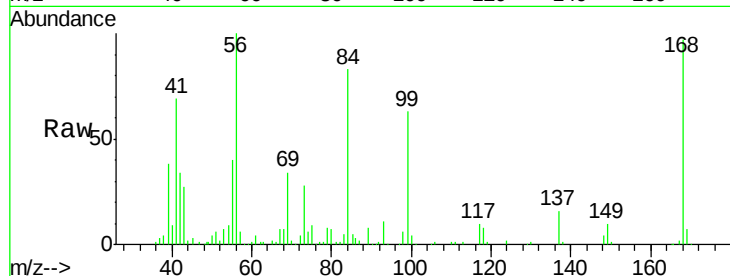
#31
Cyclohexane
Concen: 45.117 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.4	38.2
84	81.0	63.3	94.9

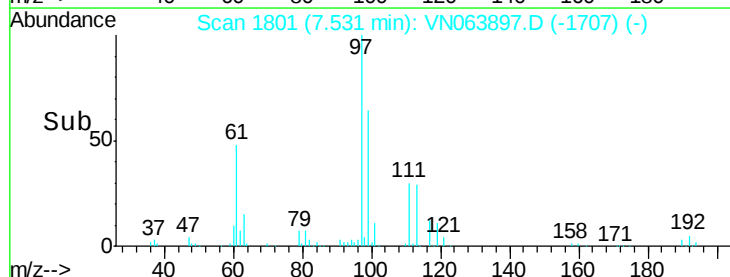
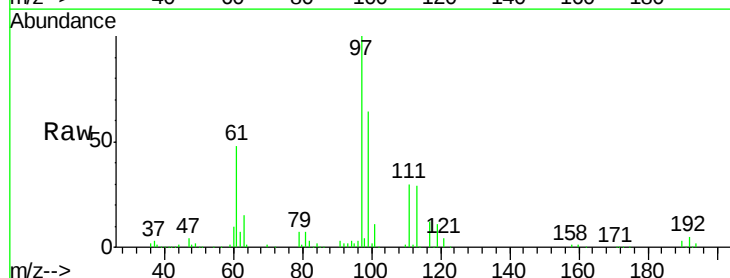
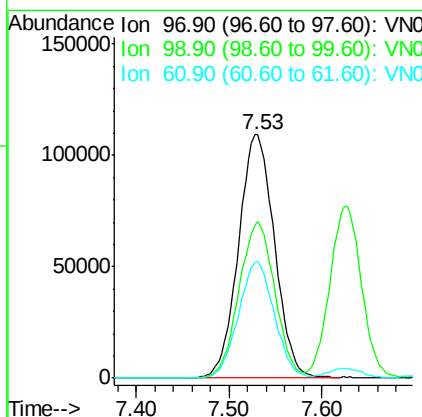
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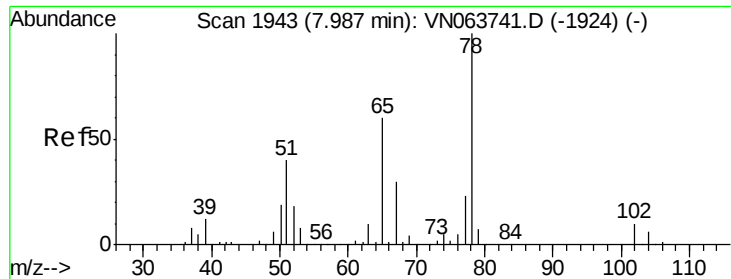
MMDadoda
10/7/2020 12:11:44 PM



#32
1,1,1-Trichloroethane
Concen: 49.428 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	47.5	38.7	58.1





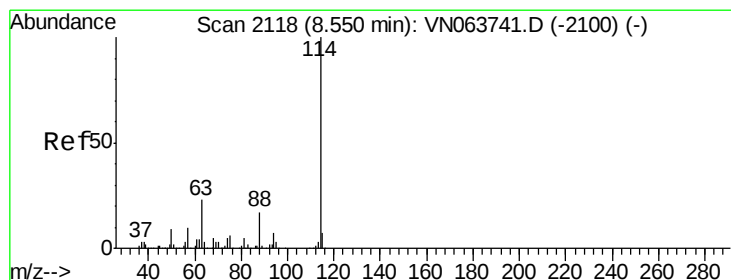
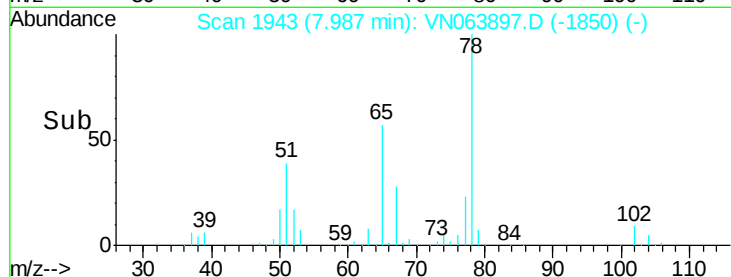
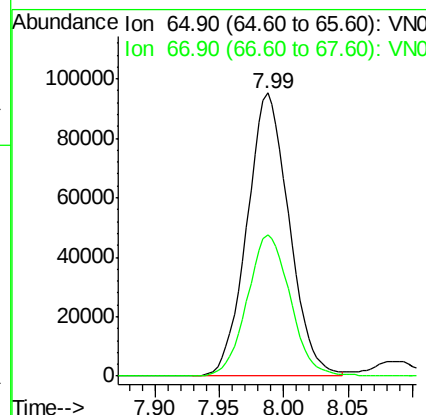
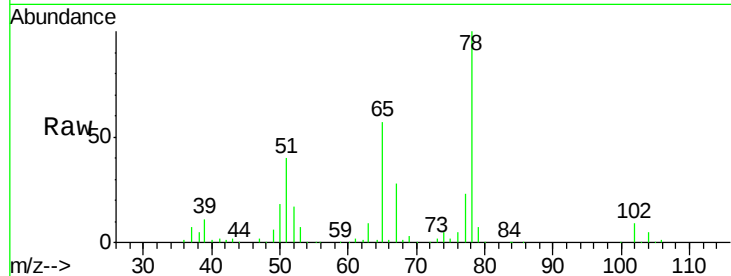
#33
 1,2-Dichloroethane-d4
 Concen: 45.591 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.9	0.0	99.6	

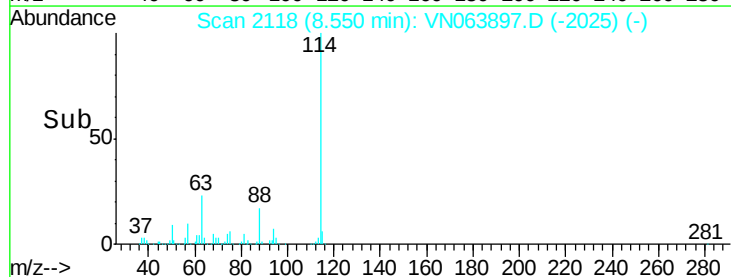
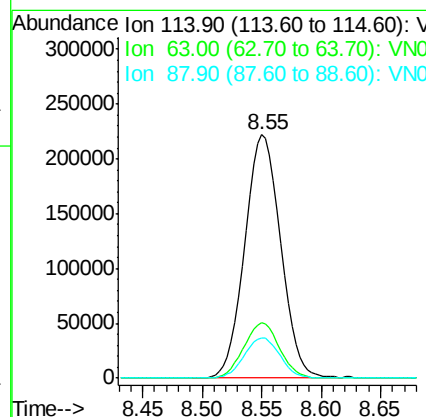
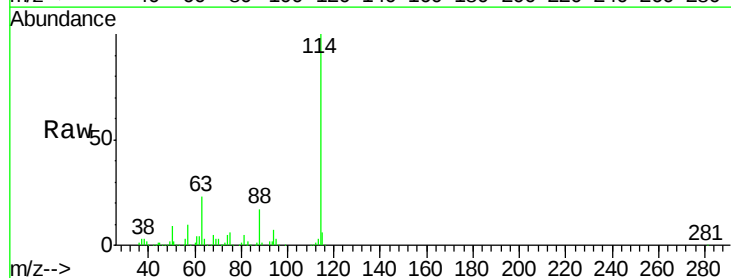
Manual Integrations
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 10/7/2020 12:11:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	45.0	
88	16.6	0.0	34.0	





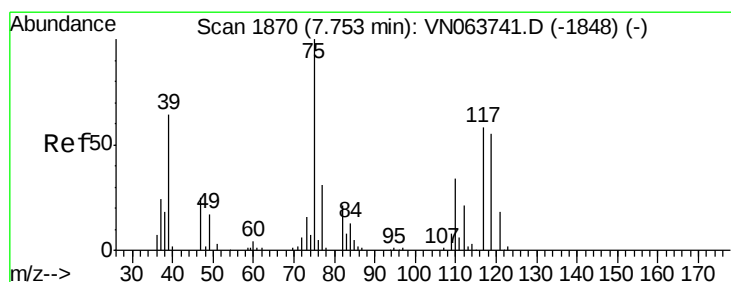
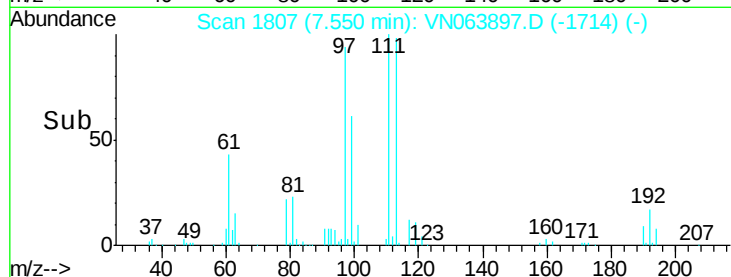
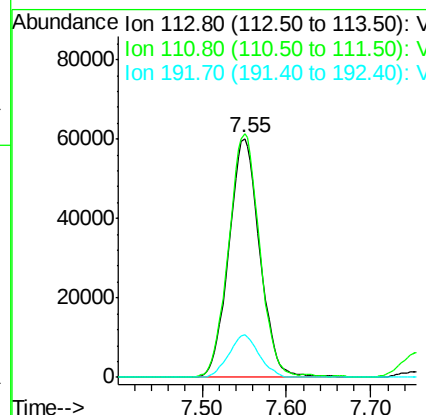
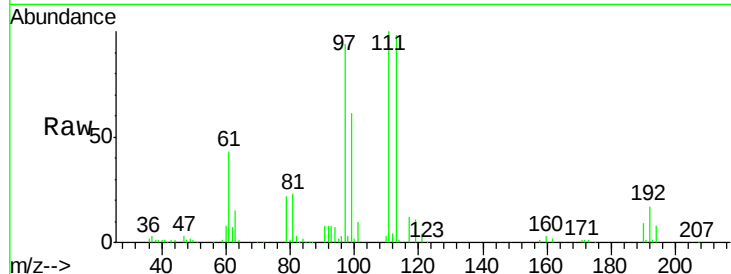
#35
 Dibromofluoromethane
 Concen: 47.299 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152859		
111	101.9	81.8	122.8	
192	17.5	14.2	21.2	

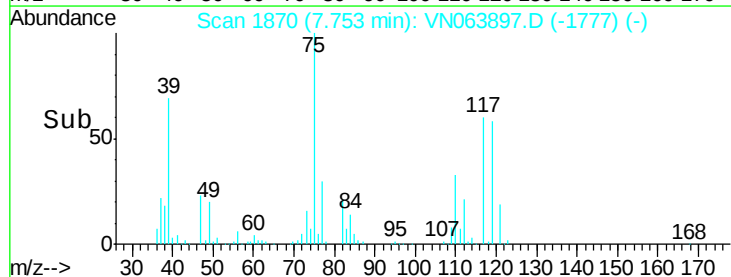
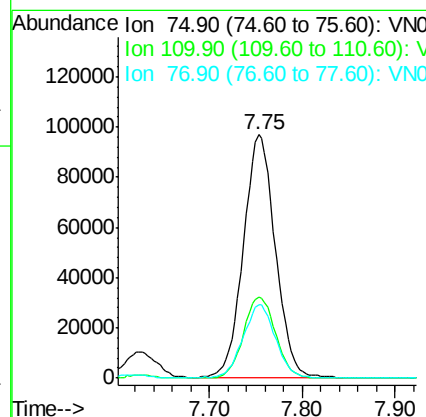
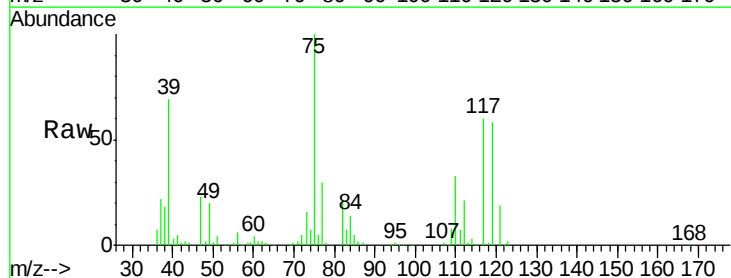
Manual Integrations
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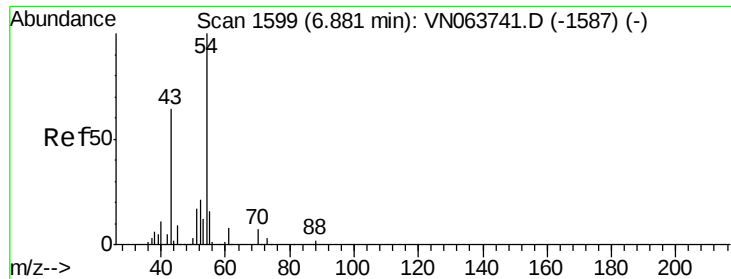
MMDadoda
 10/7/2020 12:11:44 PM



#36
 1,1-Dichloropropene
 Concen: 48.916 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	230816		
110	33.4	16.9	50.6	
77	30.9	24.5	36.7	





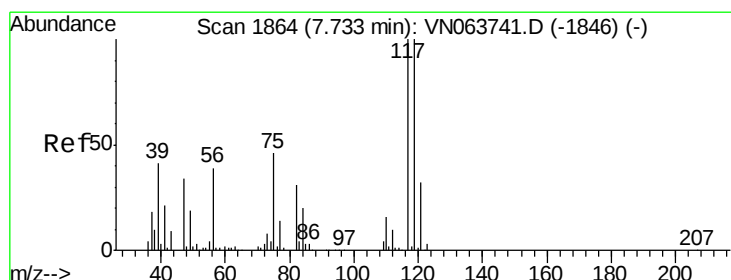
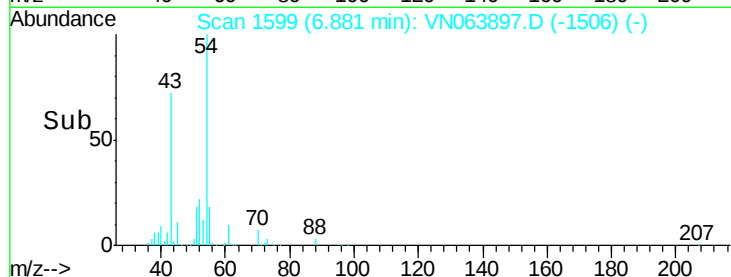
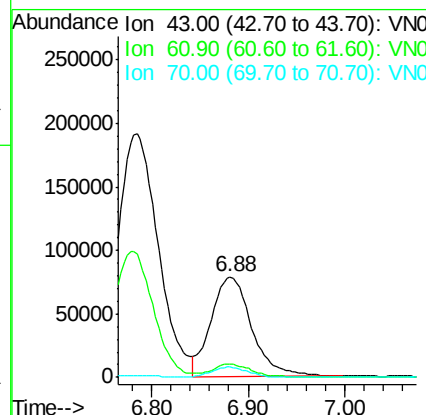
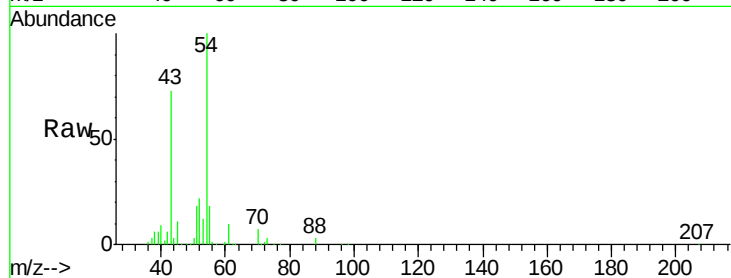
#37
Ethyl Acetate
Concen: 48.798 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	9.5	7.3	10.9

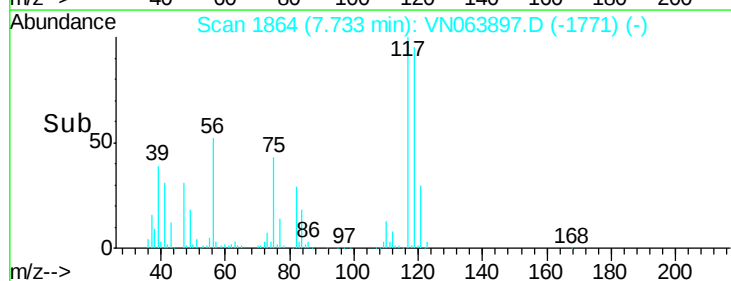
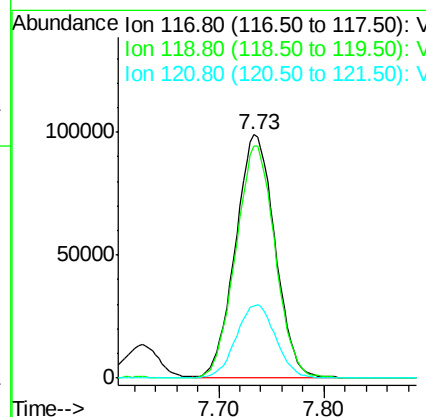
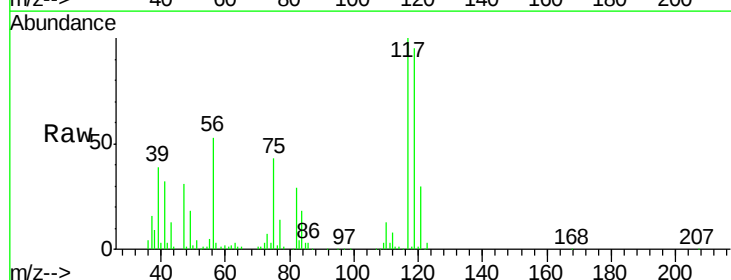
Manual Integrations
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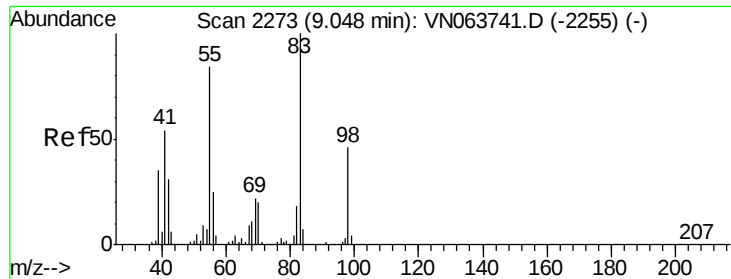
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.486 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	80.1	120.1
121	29.8	25.7	38.5





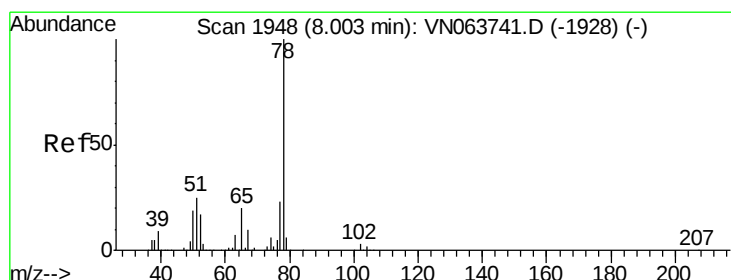
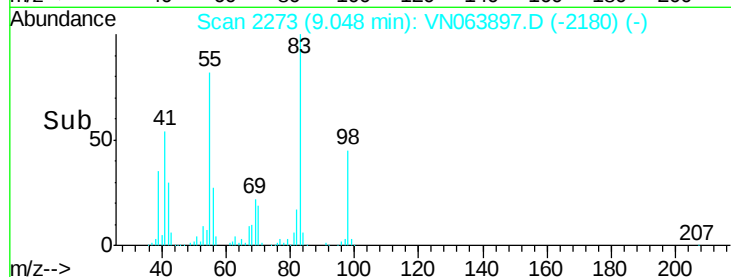
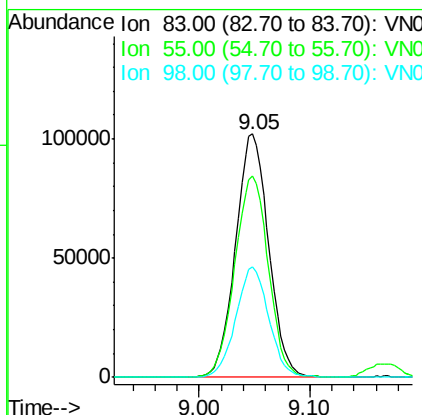
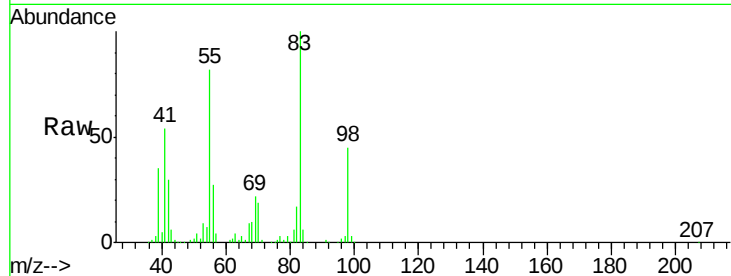
#39
Methvlcvclohexane
Concen: 45.169 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	212543
Ion Ratio	Lower	Upper	
83	100		
55	82.5	67.1	100.7
98	45.4	36.6	54.8

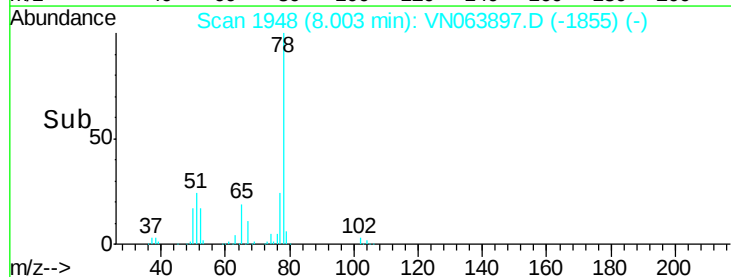
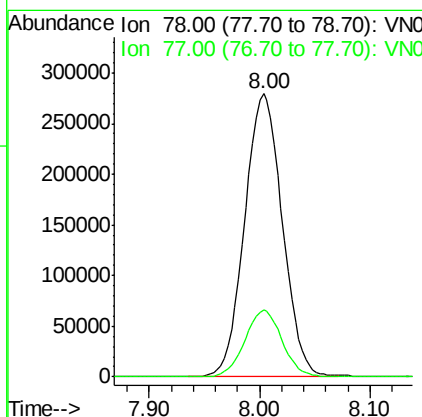
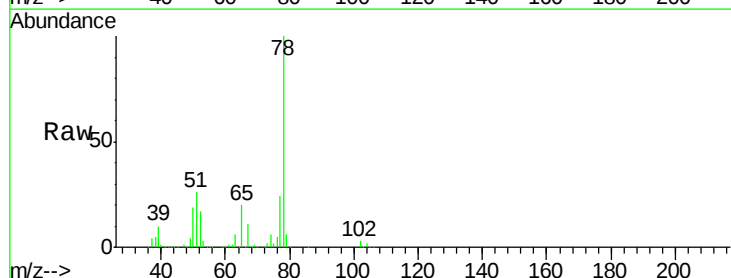
Manual Integrations
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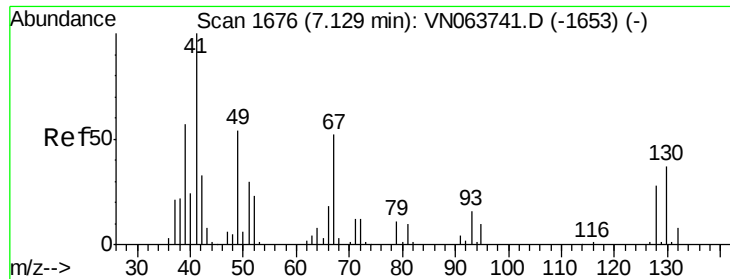
MMDadoda
10/7/2020 12:11:44 PM



#40
Benzene
Concen: 49.186 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	78	Resp	662903
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.7	28.1





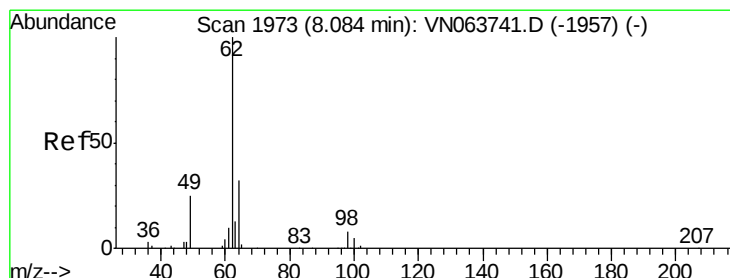
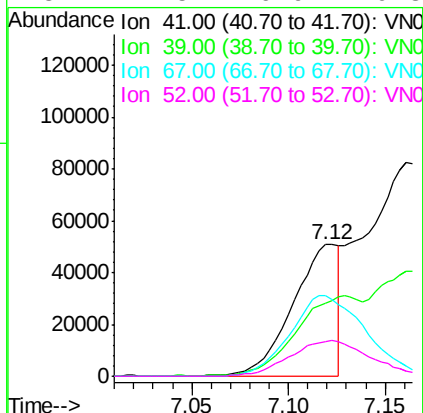
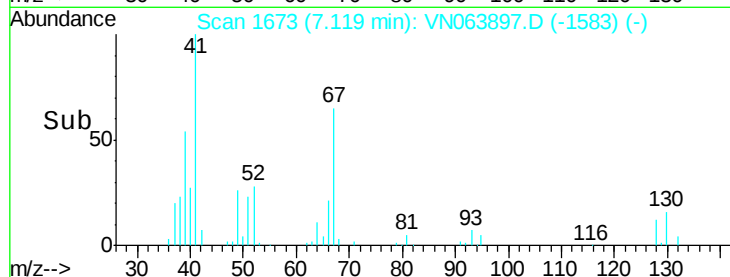
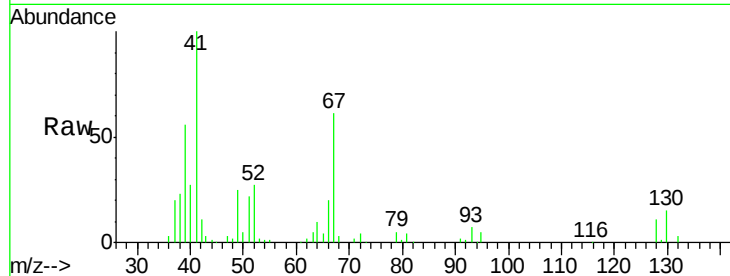
#41
Methacrylonitrile
Concen: 40.288 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	84.7	42.5	63.7#	
67	101.6	57.4	86.2#	
52	47.5	26.9	40.3#	

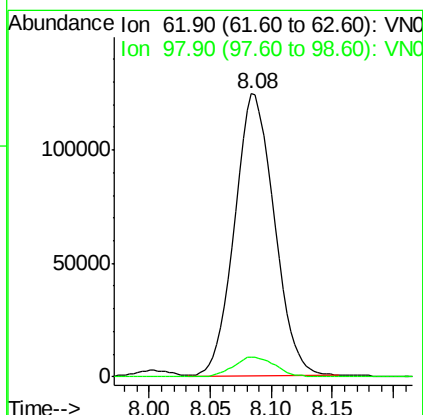
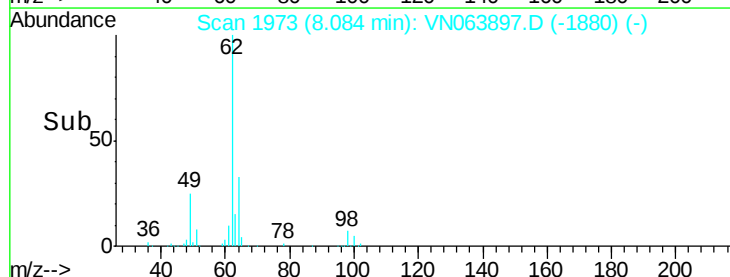
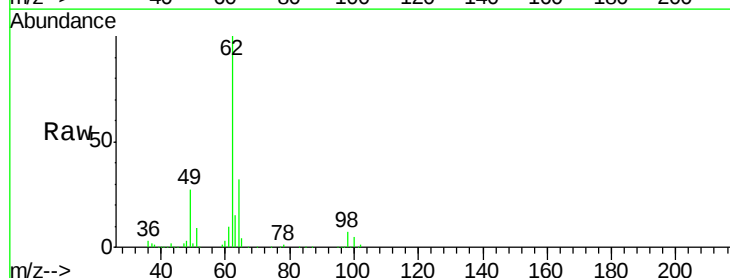
Manual Integrations
APPROVED

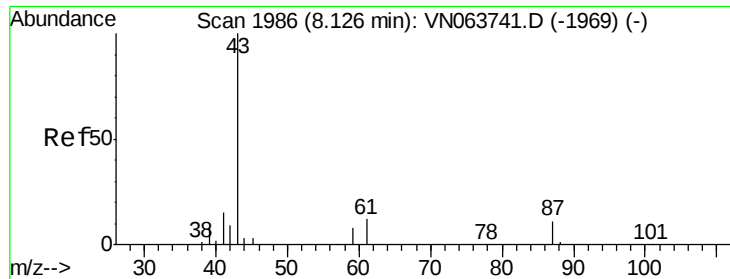
MMDadoda
10/7/2020 12:11:44 PM



#42
1,2-Dichloroethane
Concen: 48.825 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	15.0	





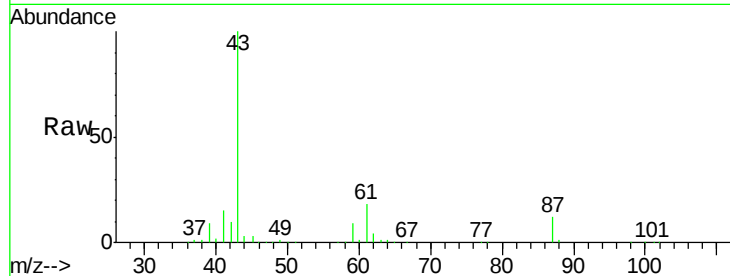
#43
Isopropyl Acetate
Concen: 52.120 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

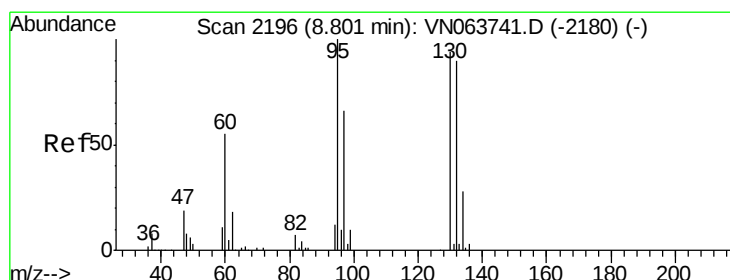
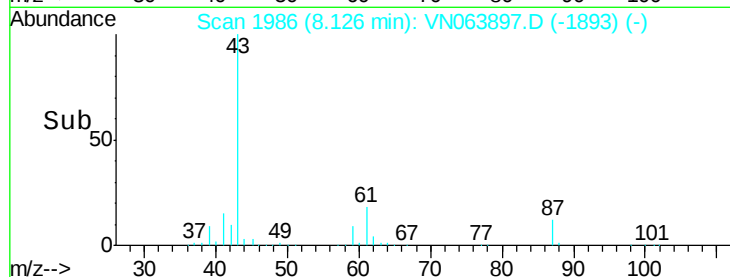
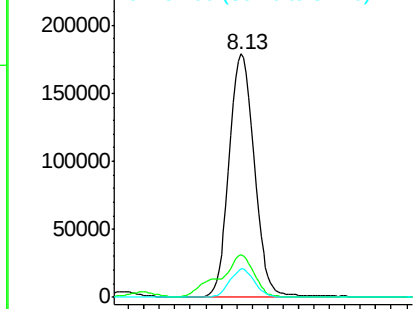
Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	14.2	21.4#
87	11.6	9.0	13.6

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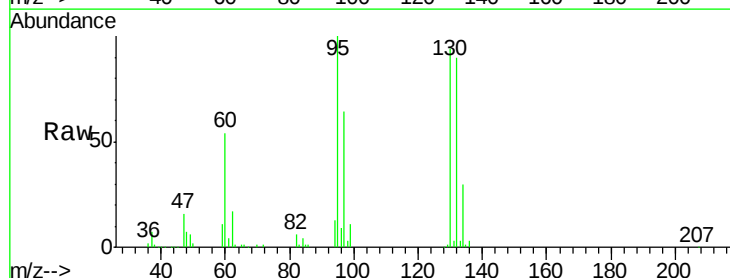


Abundance Ion 43.00 (42.70 to 43.70): VN063897.D (-2103) (-)

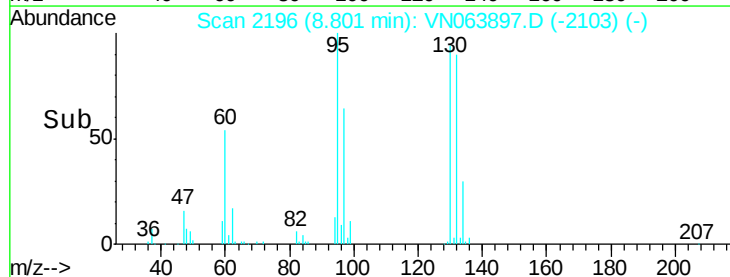
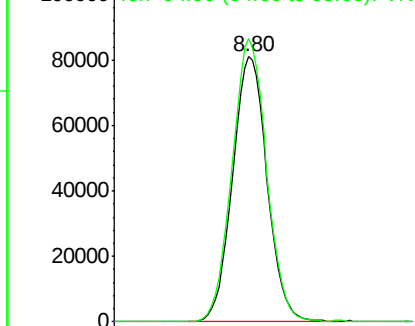


#44
Trichloroethene
Concen: 47.323 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	213.6



Abundance Ion 129.80 (129.50 to 130.50): VN063897.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 49.965 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 181863

Ion Ratio Lower Upper

63 100

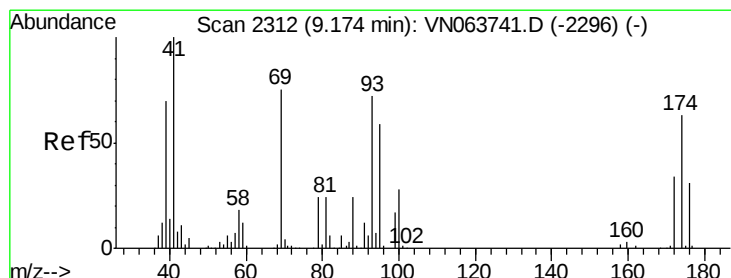
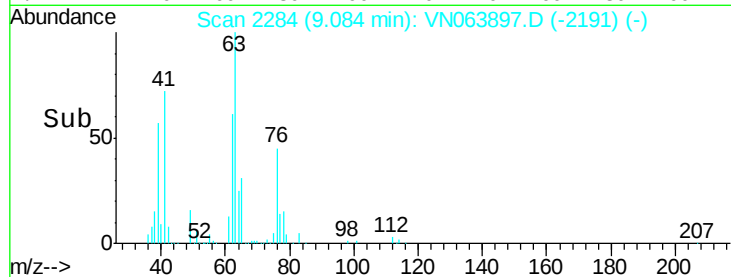
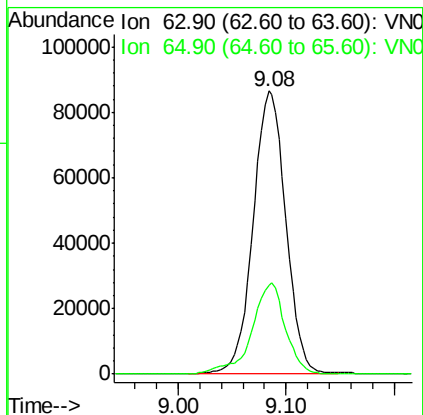
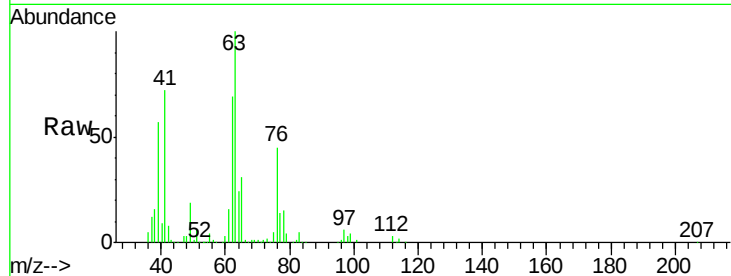
65 31.5 24.7 37.1

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#46

Dibromomethane

Concen: 48.666 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

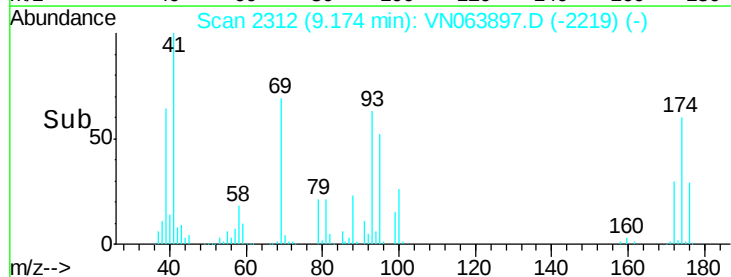
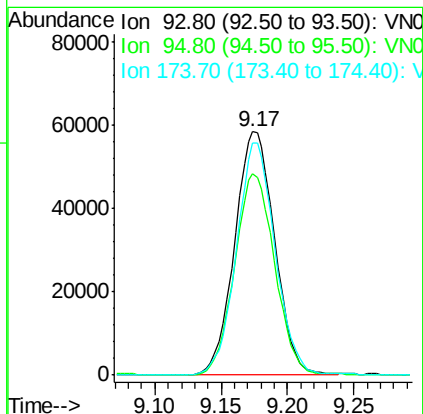
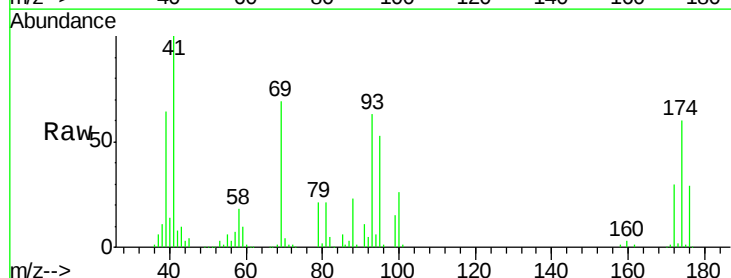
Tgt Ion: 93 Resp: 122198

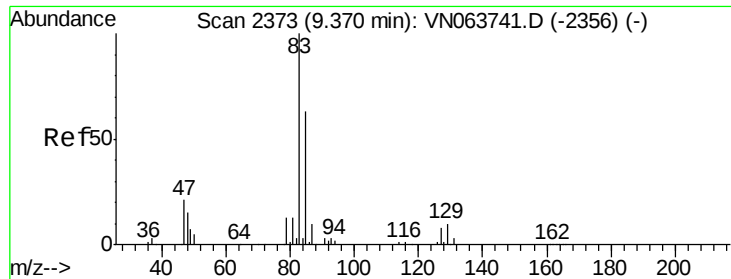
Ion Ratio Lower Upper

93 100

95 82.9 66.3 99.5

174 92.7 72.7 109.1





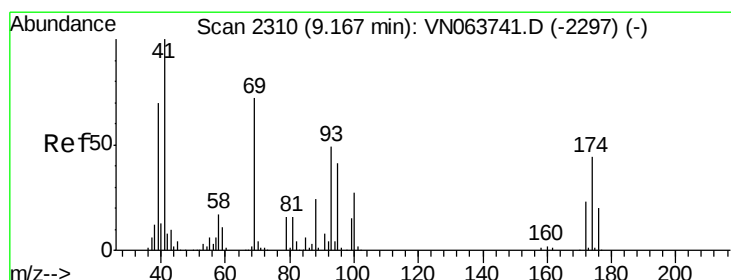
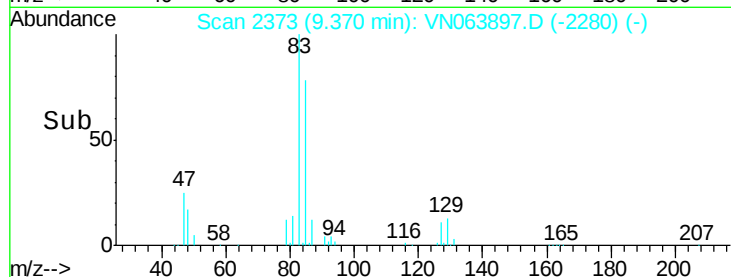
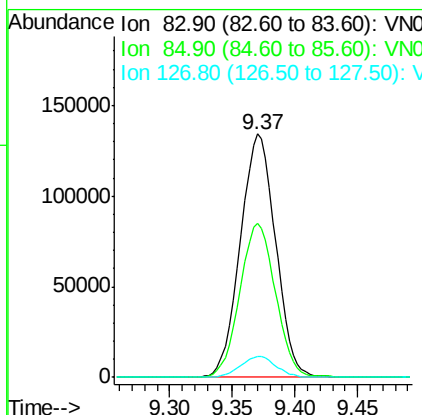
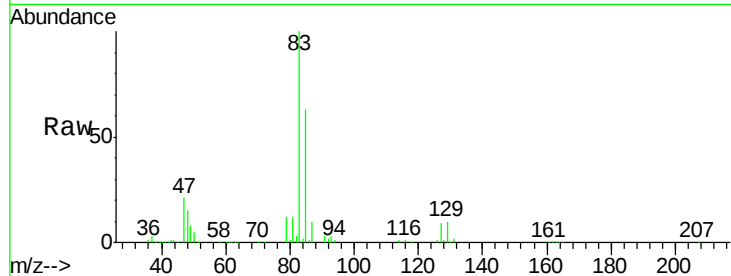
#47
Bromodichloromethane
Concen: 50.848 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	263133
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	50.6	75.8
127	8.6	6.6	9.8

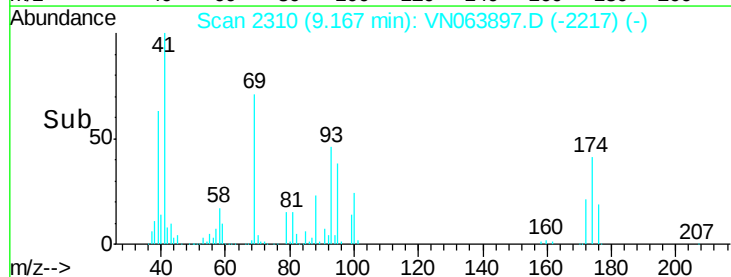
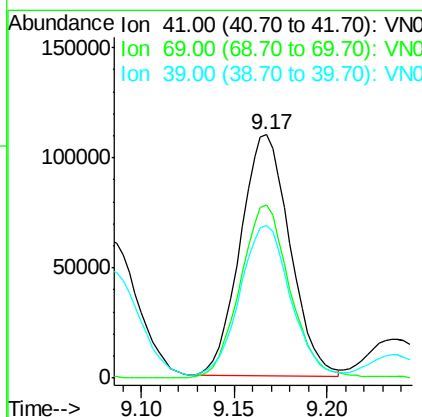
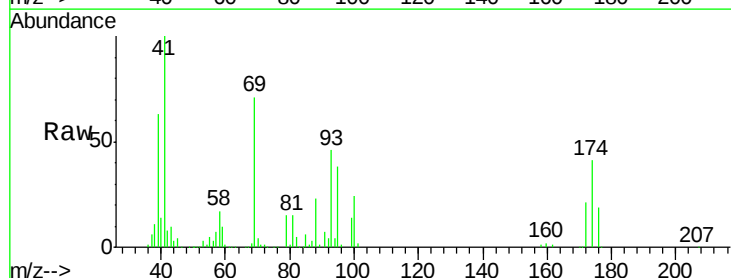
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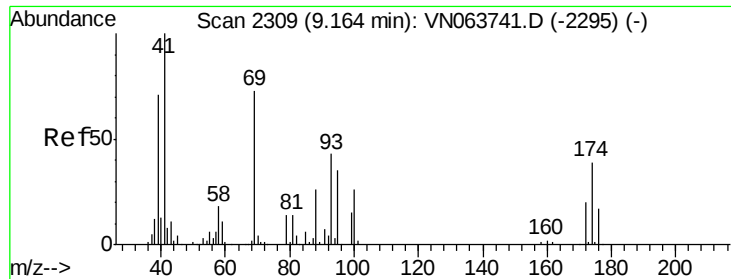
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#48
Methyl methacrylate
Concen: 53.226 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	41	Resp	203344
Ion Ratio	100	Lower	Upper
41	100		
69	73.0	60.9	91.3
39	65.4	57.5	86.3





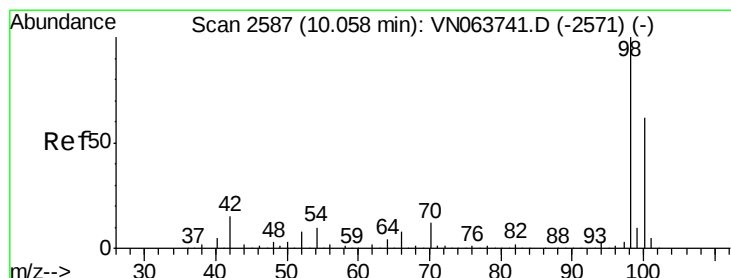
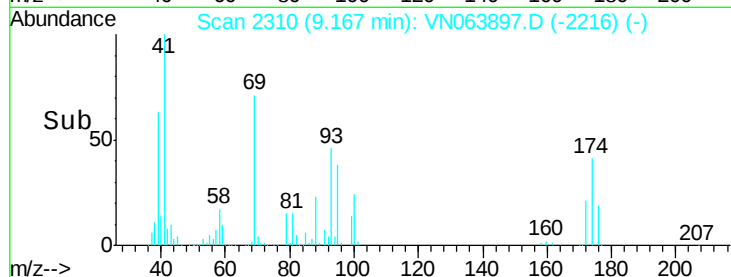
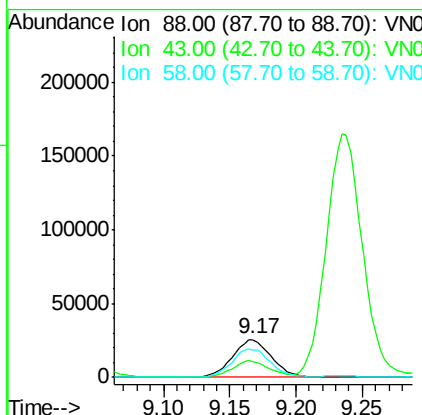
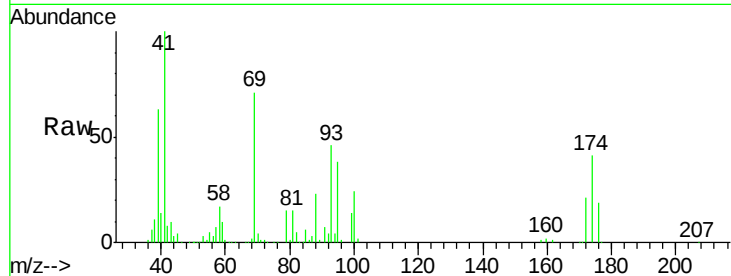
#49
1,4-Dioxane
Concen: 959.253 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	33.1	49.7
58	74.5	58.9	88.3

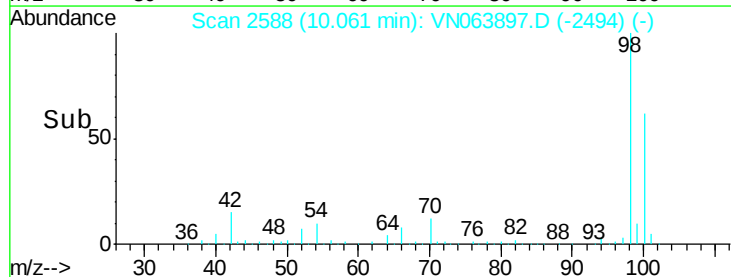
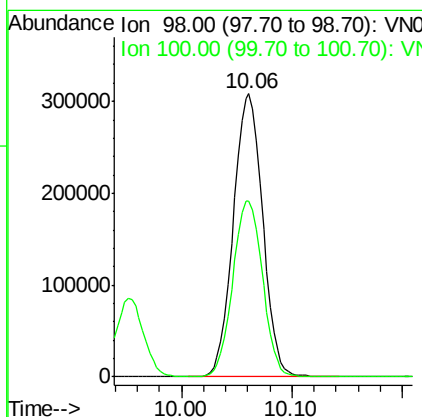
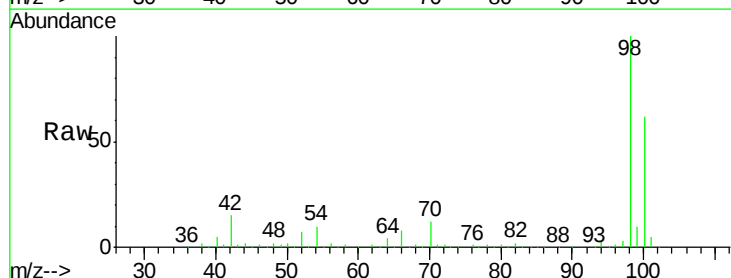
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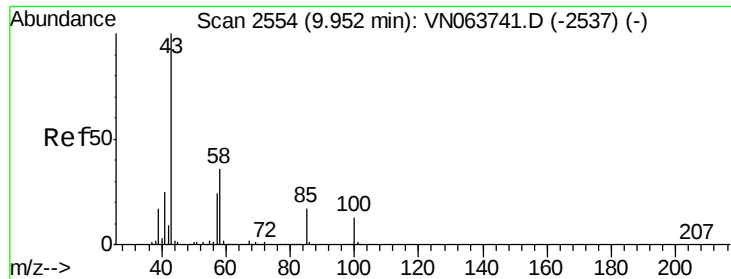
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#50
Toluene-d8
Concen: 46.496 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 270.750 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1228626

Ion Ratio Lower Upper

43 100

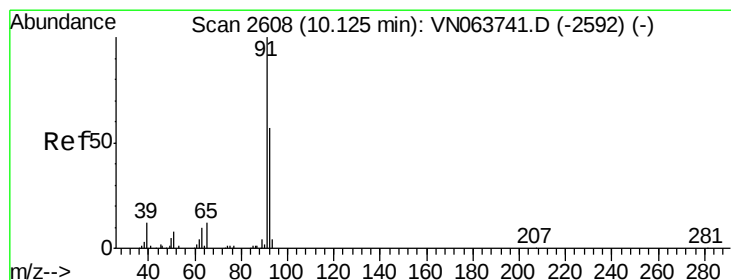
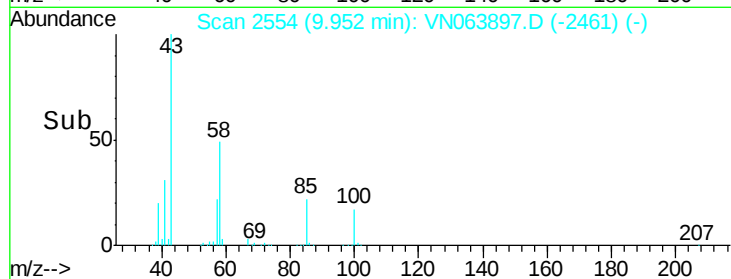
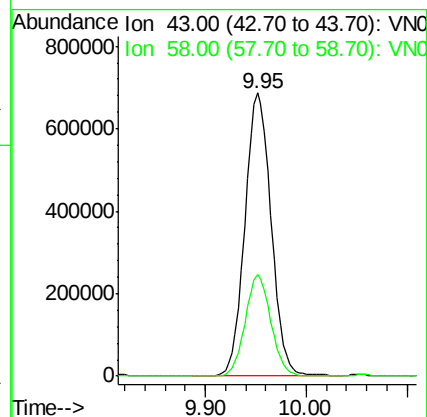
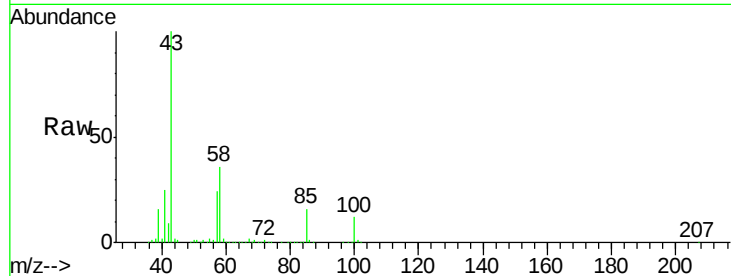
58 35.1 28.4 42.6

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#52

Toluene

Concen: 50.902 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063897.D

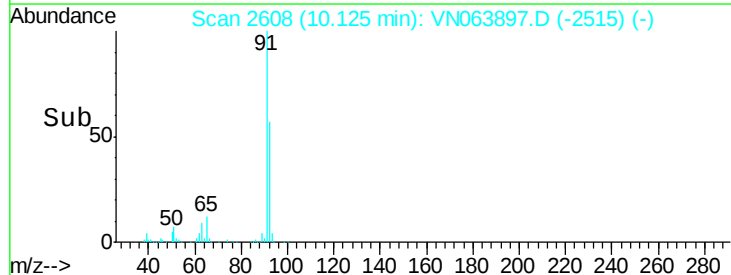
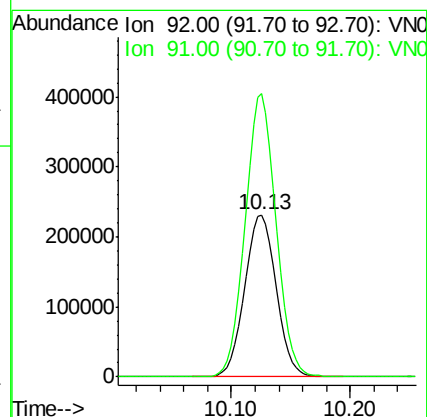
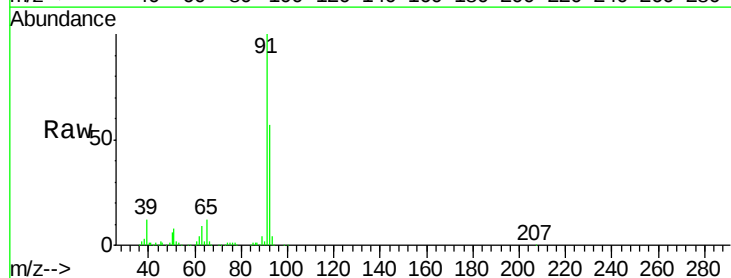
Acq: 6 Oct 2020 16:25

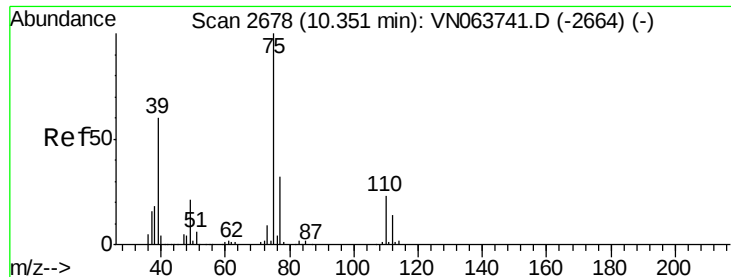
Tgt Ion: 92 Resp: 424332

Ion Ratio Lower Upper

92 100

91 171.0 140.6 210.8





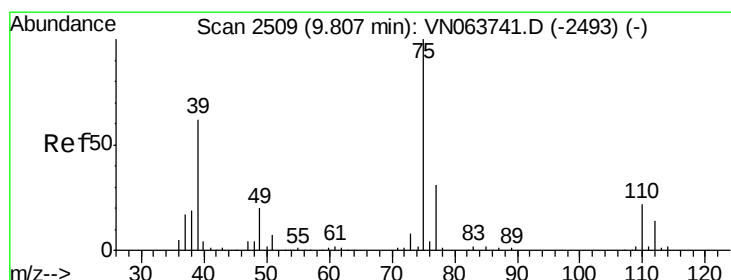
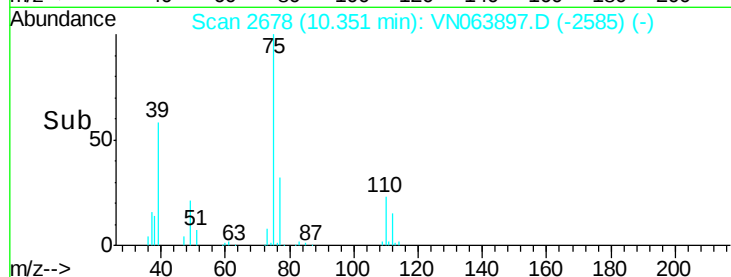
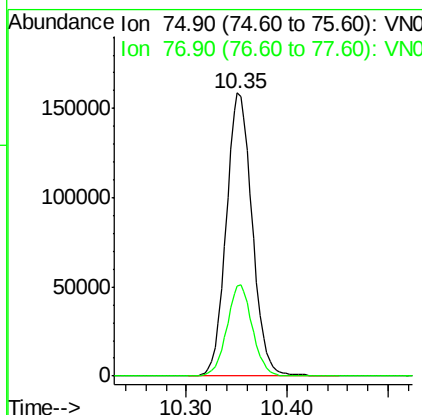
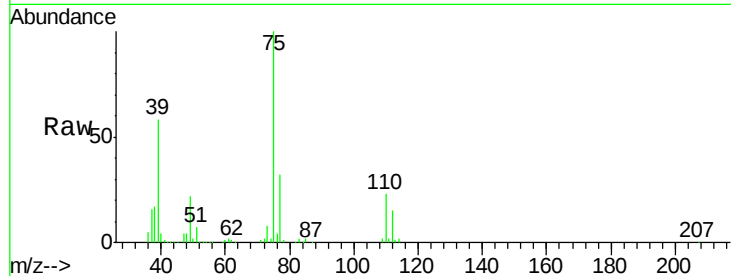
#53
t-1,3-Dichloropropene
Concen: 51.399 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 285120
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9

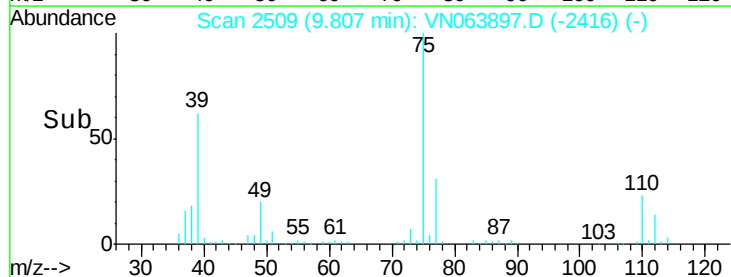
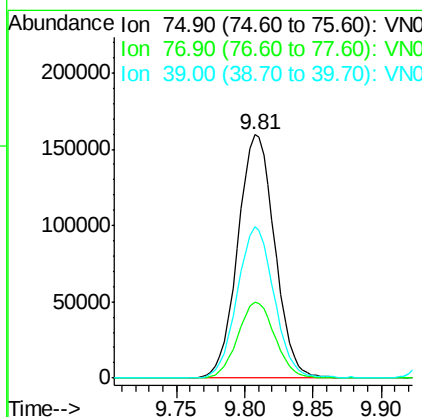
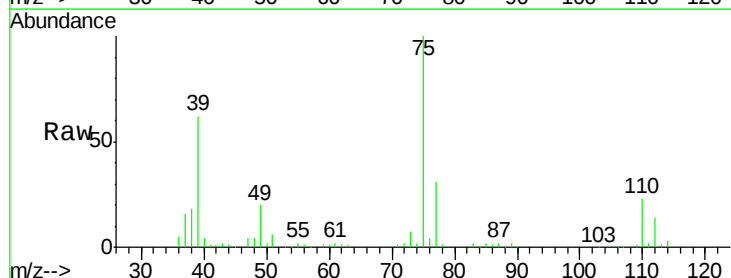
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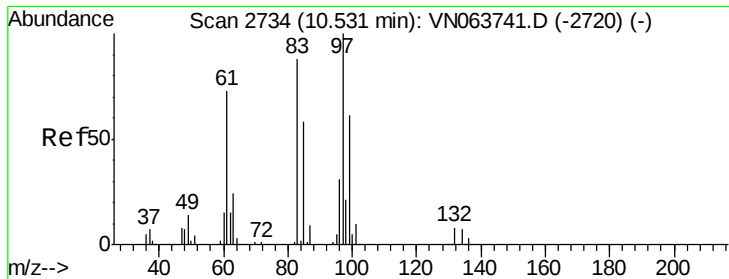
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#54
cis-1,3-Dichloropropene
Concen: 51.736 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion: 75 Resp: 300142
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 61.9 49.7 74.5





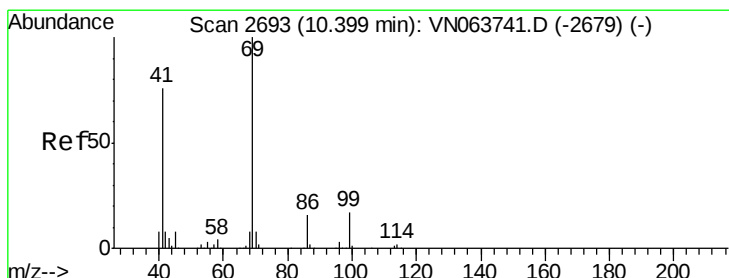
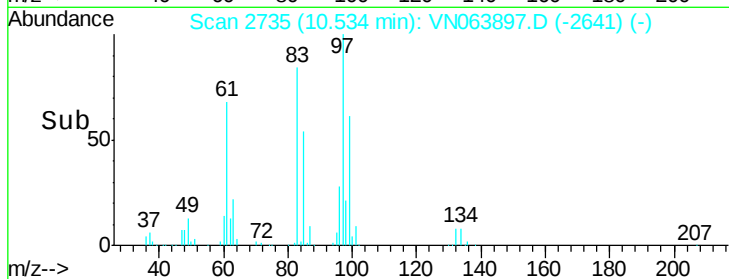
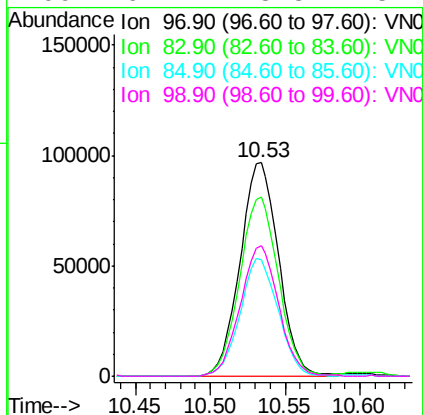
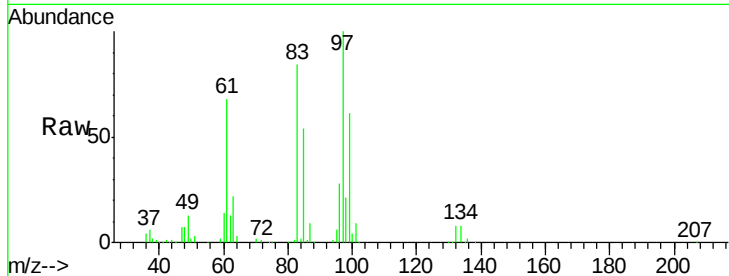
#55
 1,1,2-Trichloroethane
 Concen: 51.965 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	173727
Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.7	106.1
85	54.4	46.1	69.1
99	61.4	48.8	73.2

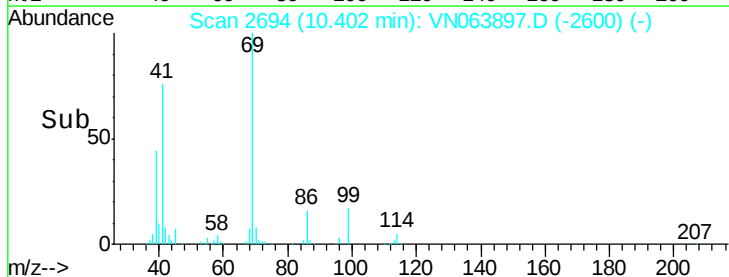
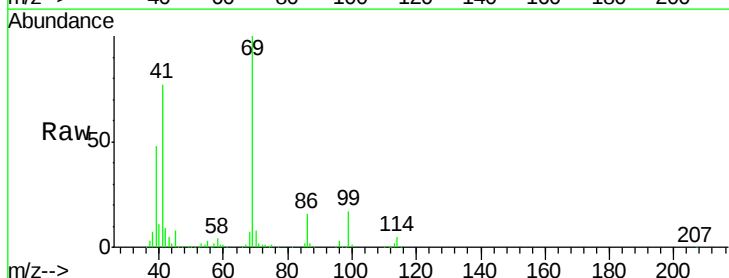
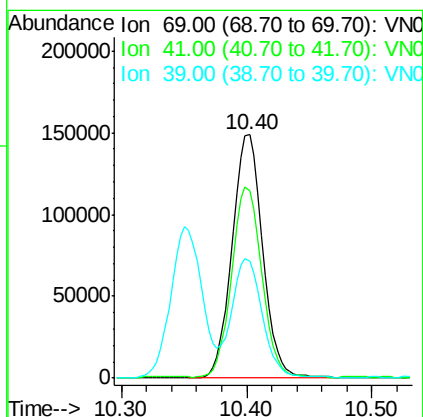
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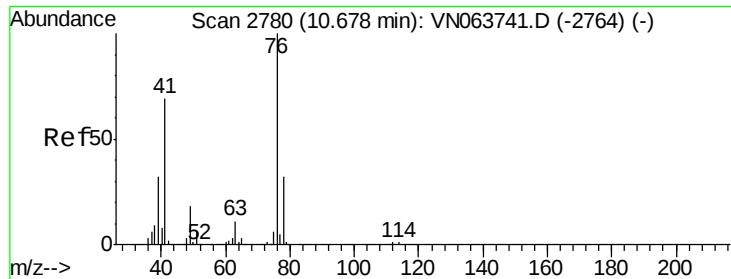
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#56
 Ethyl methacrylate
 Concen: 53.326 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion:	69	Resp:	252700
Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.1	91.7
39	48.2	42.2	63.4





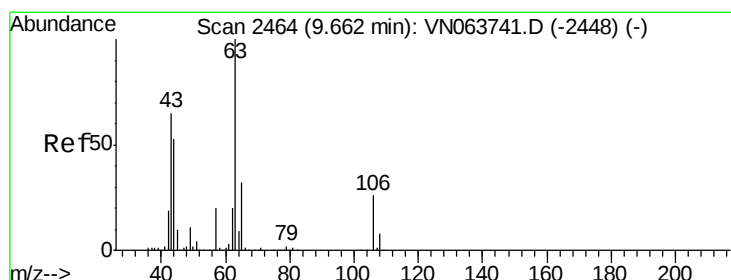
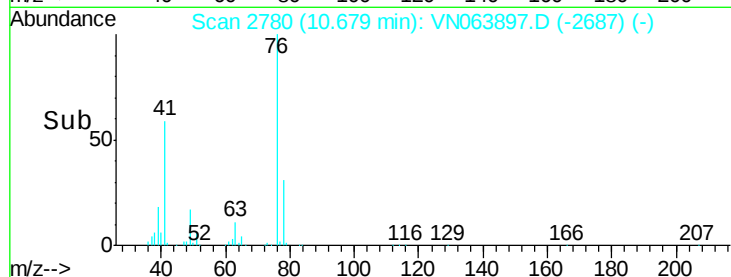
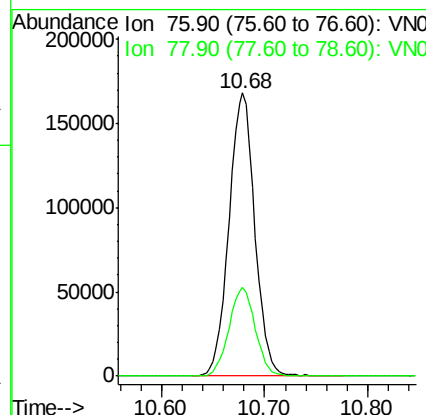
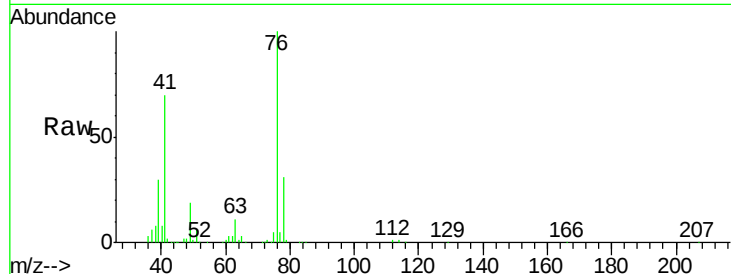
#57
 1,3-Dichloropropane
 Concen: 51.853 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 293284
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

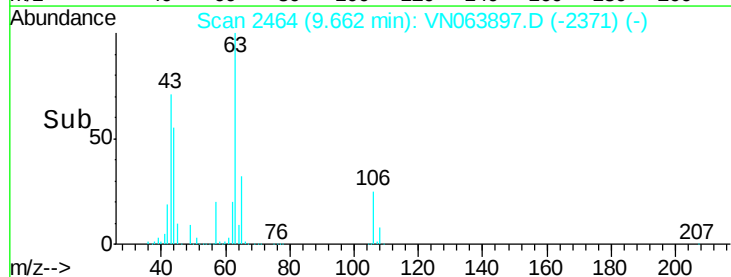
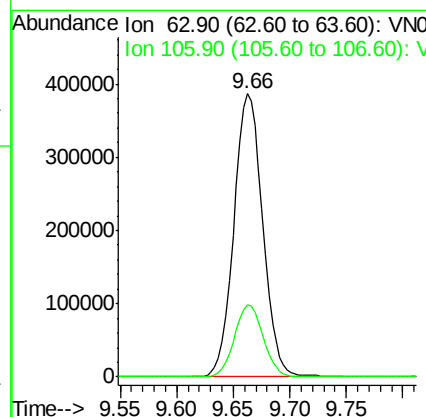
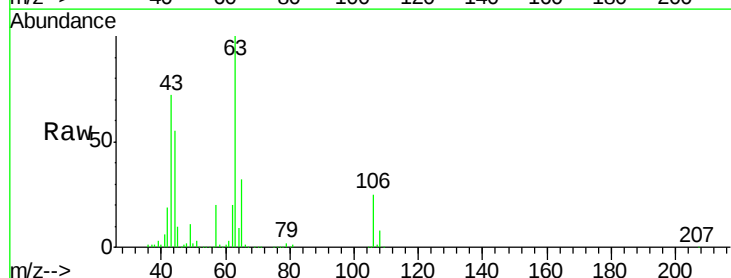
Manual Integrations
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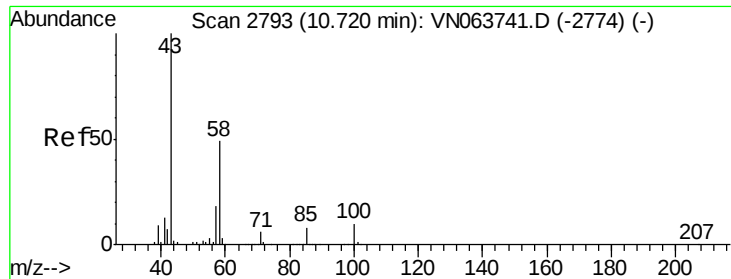
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 270.807 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion: 63 Resp: 686447
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.7 31.1





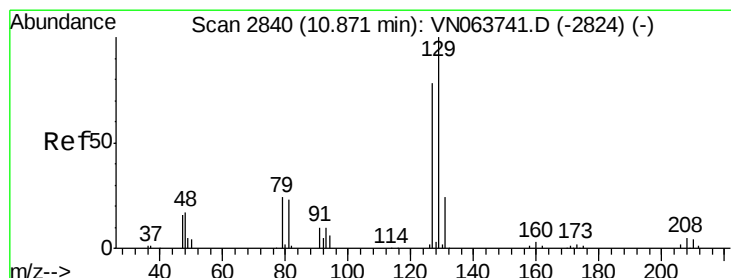
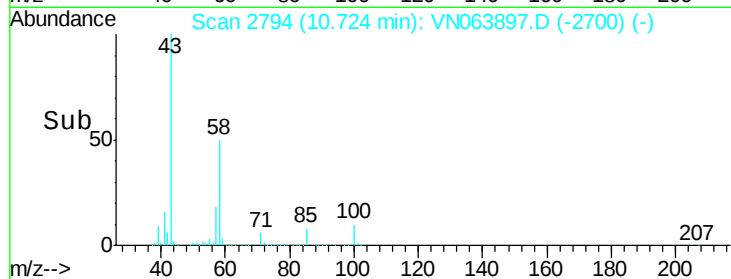
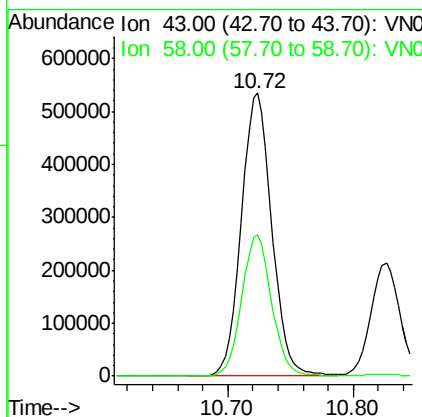
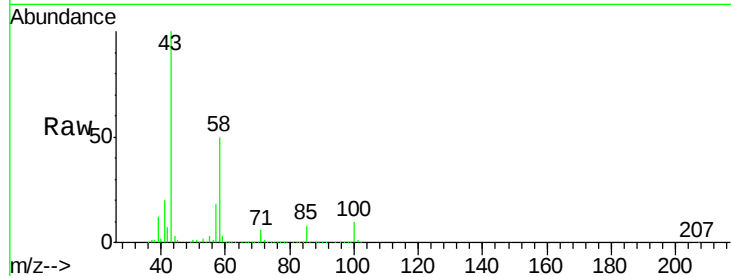
#59
2-Hexanone
Concen: 267.169 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	900628
Ion Ratio	43	100	
Lower	58	49.1	24.6
Upper			73.8

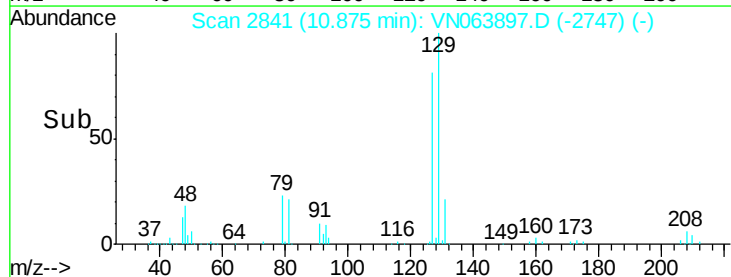
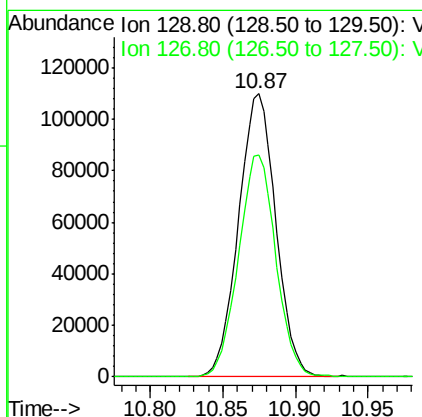
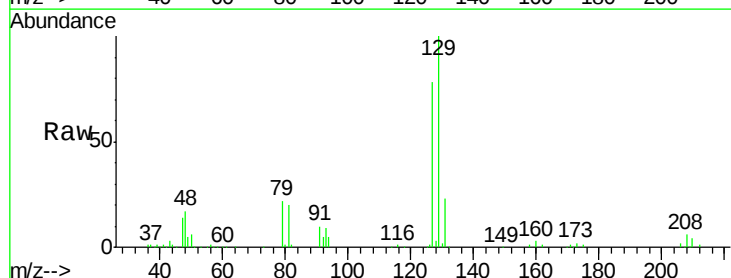
Manual Integrations
APPROVED

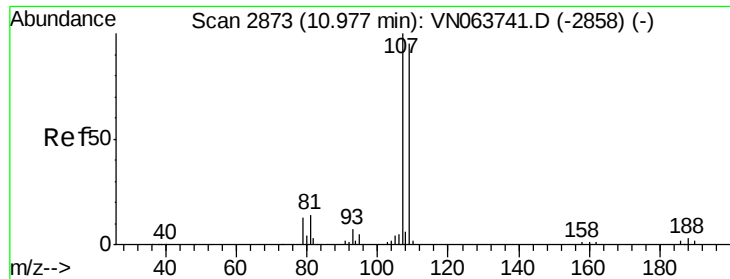
MMDadoda
10/7/2020 12:11:44 PM



#60
Dibromochloromethane
Concen: 50.635 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	129	Resp	197142
Ion Ratio	129	100	
Lower	127	78.5	38.9
Upper			116.7





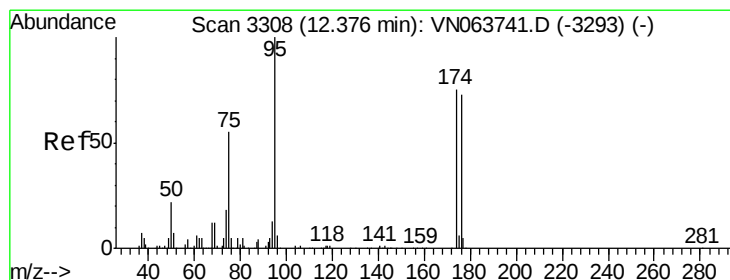
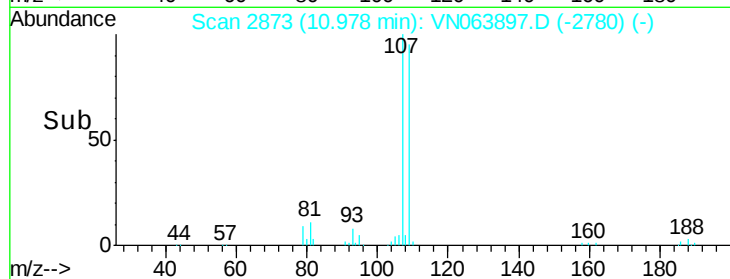
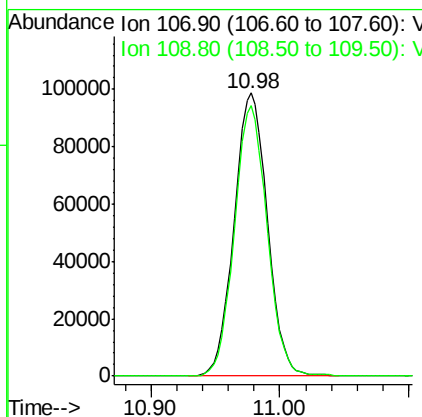
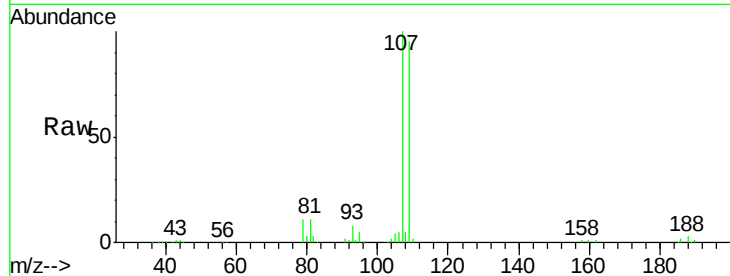
#61
 1,2-Dibromoethane
 Concen: 51.764 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.8	112.2

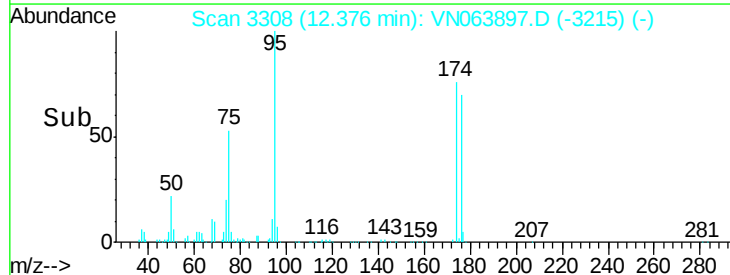
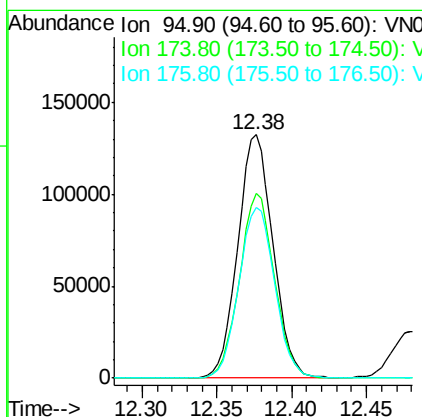
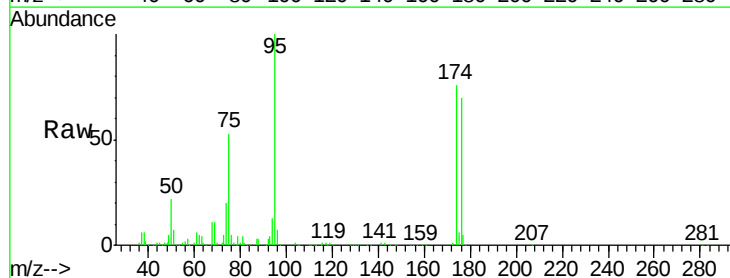
Manual Integrations
 APPROVED

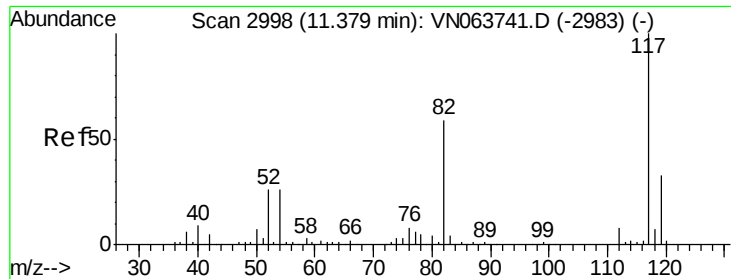
MMDadoda
 10/7/2020 12:11:44 PM



#62
 4-Bromofluorobenzene
 Concen: 47.082 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	71.5	0.0	145.4





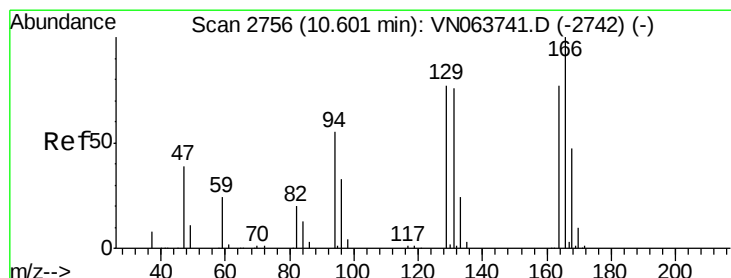
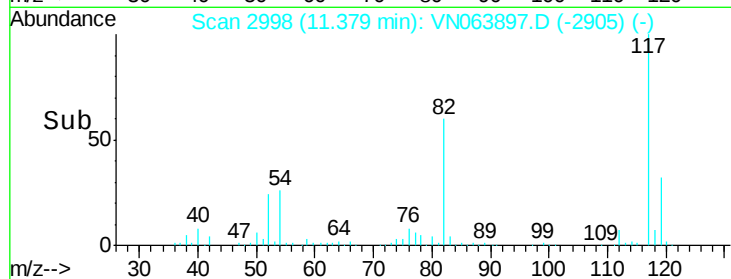
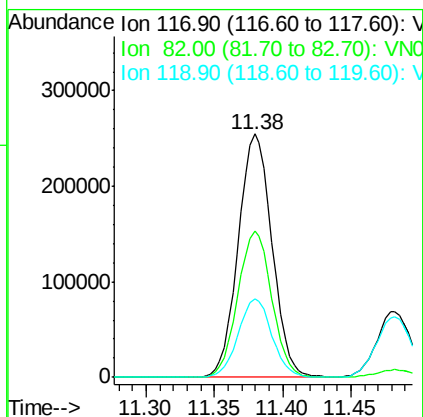
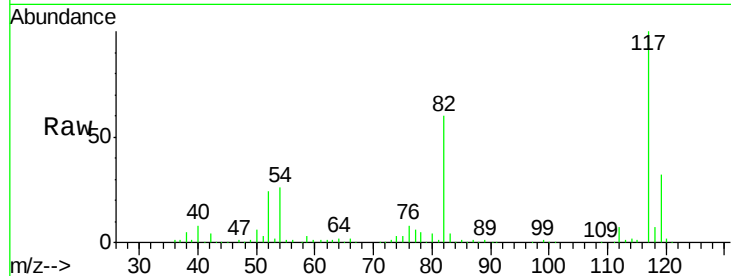
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	47.4	71.2
119	32.4	26.4	39.6

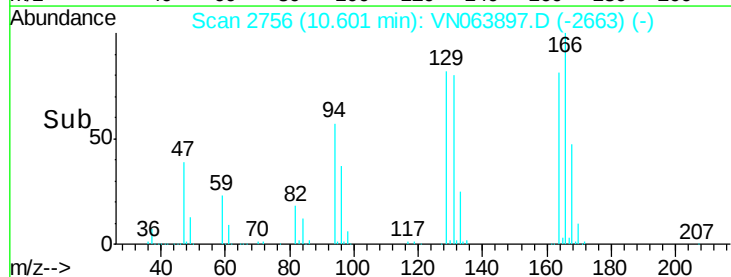
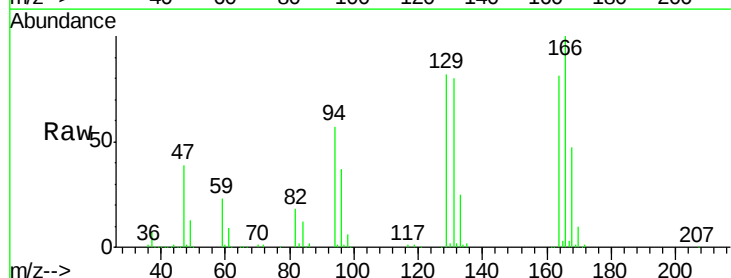
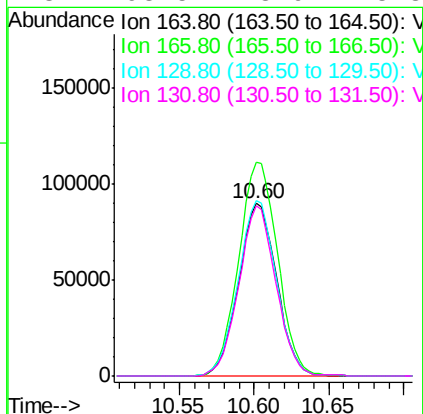
Manual Integrations
APPROVED

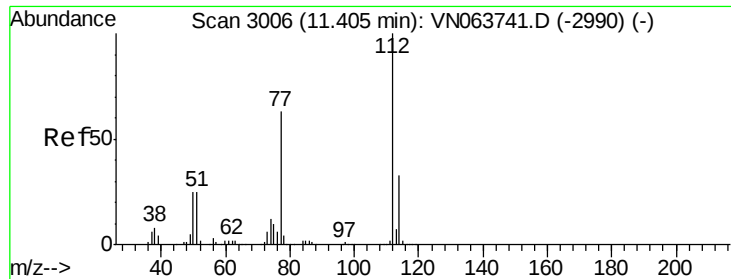
MMDadoda
10/7/2020 12:11:44 PM



#64
Tetrachloroethene
Concen: 46.914 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	103.9	155.9
129	101.7	80.3	120.5
131	98.5	78.9	118.3





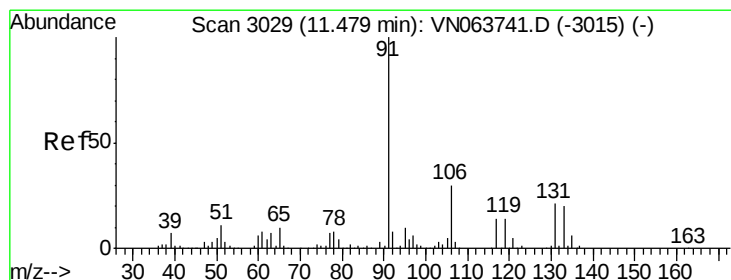
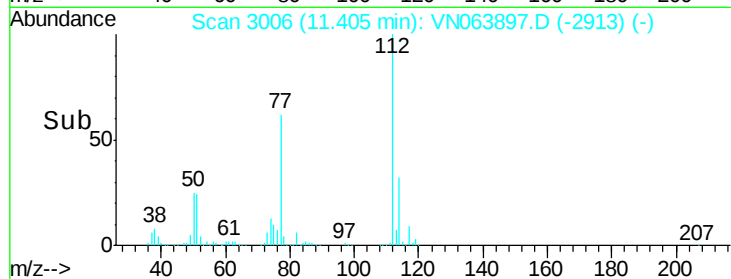
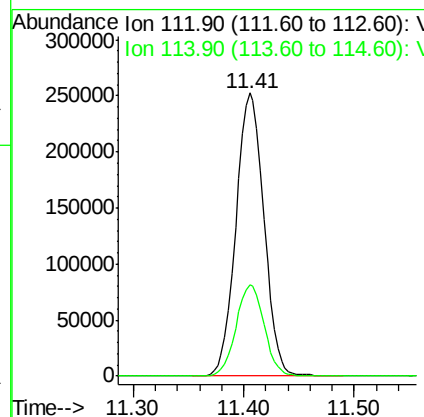
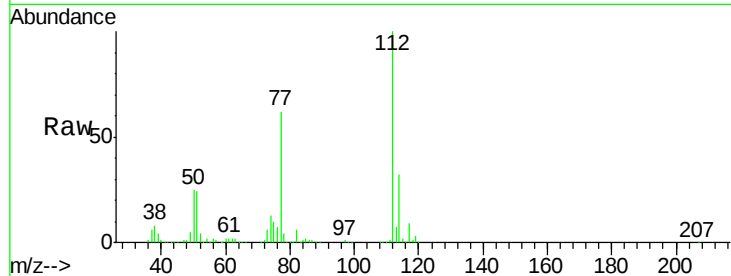
#65
Chlorobenzene
Concen: 49.468 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.1	39.1

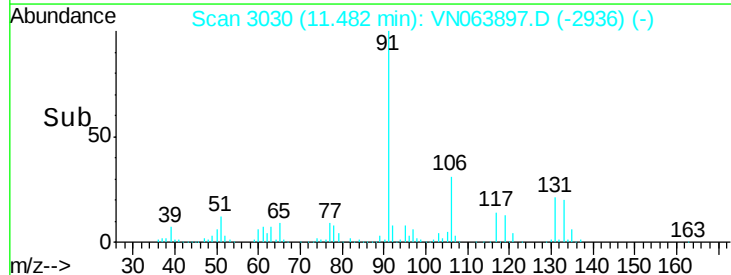
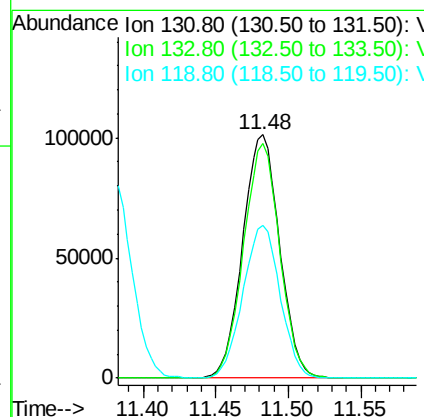
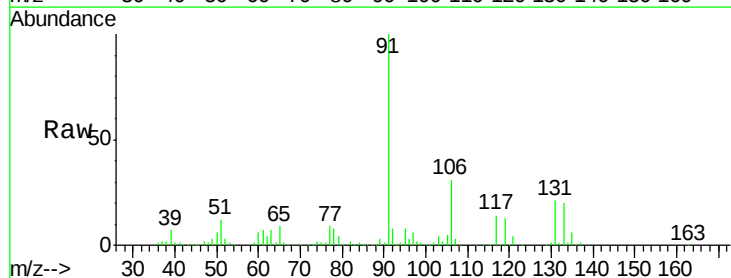
Manual Integrations
APPROVED

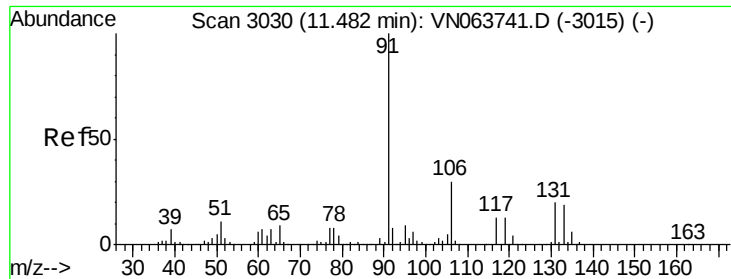
MMDadoda
10/7/2020 12:11:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.010 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.3	141.8
119	63.5	32.6	97.7





#67

Ethyl Benzene

Concen: 50.353 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 824160

Ion Ratio Lower Upper

91 100

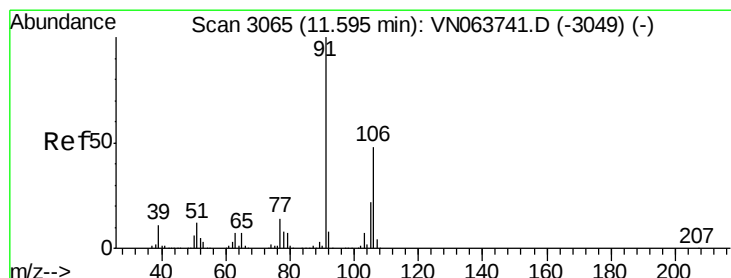
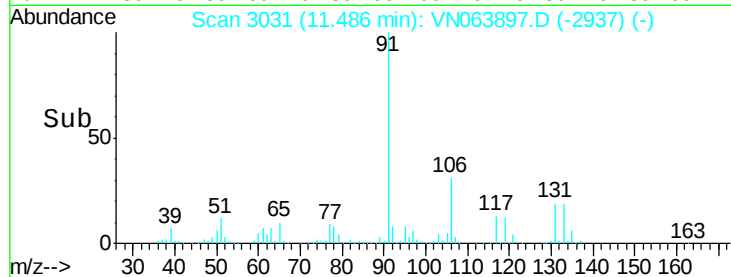
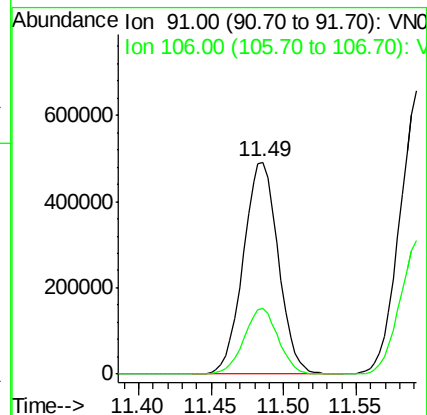
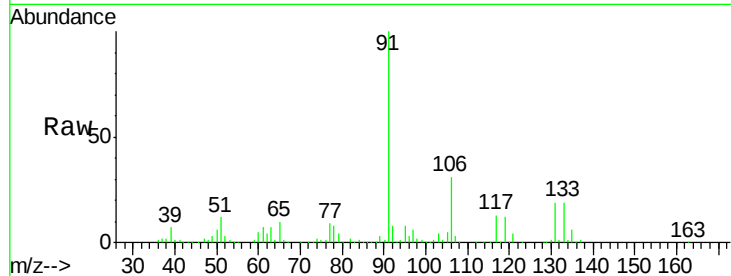
106 30.9 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:44 PM



#68

m/p-Xylenes

Concen: 100.801 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063897.D

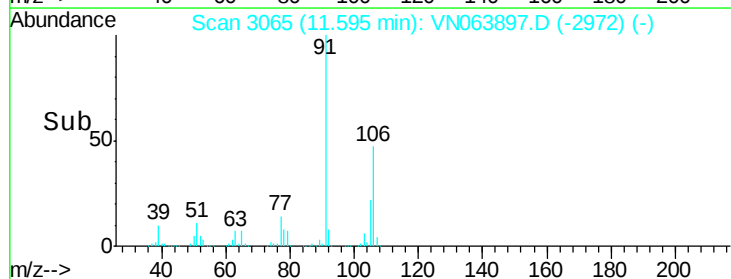
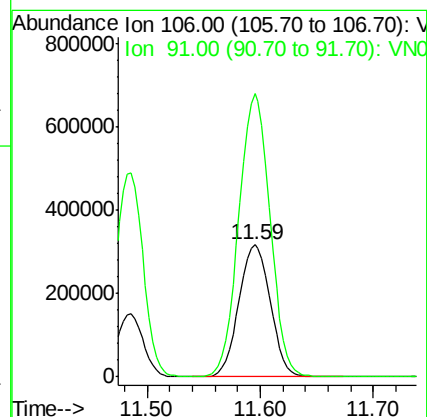
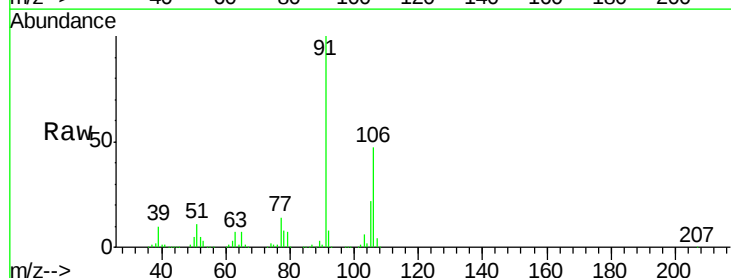
Acq: 6 Oct 2020 16:25

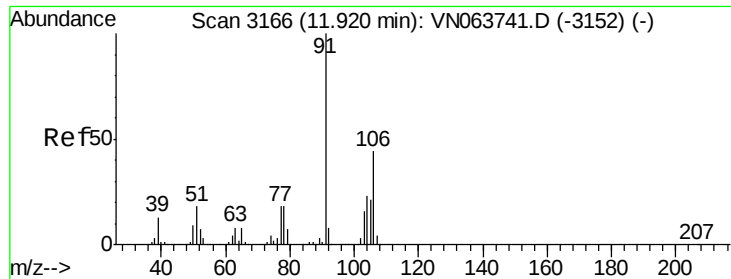
Tgt Ion: 106 Resp: 614899

Ion Ratio Lower Upper

106 100

91 212.0 168.0 252.0





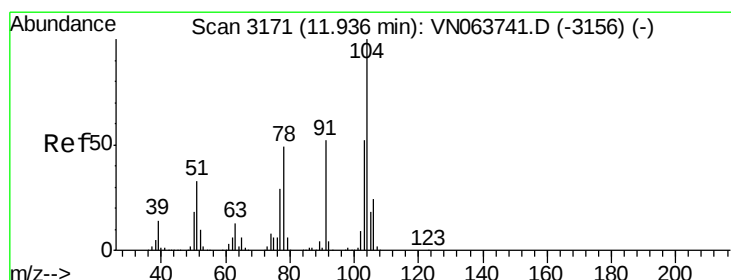
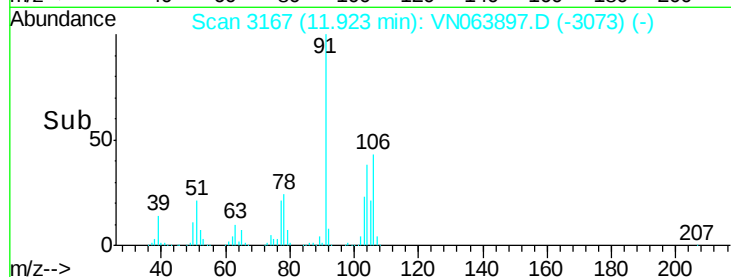
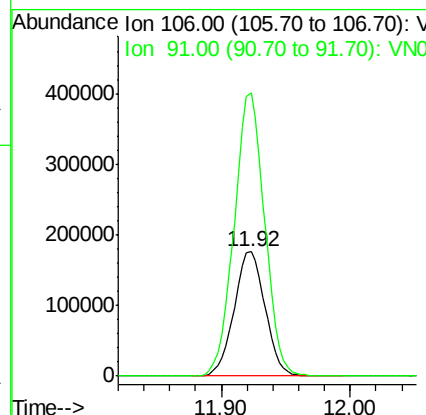
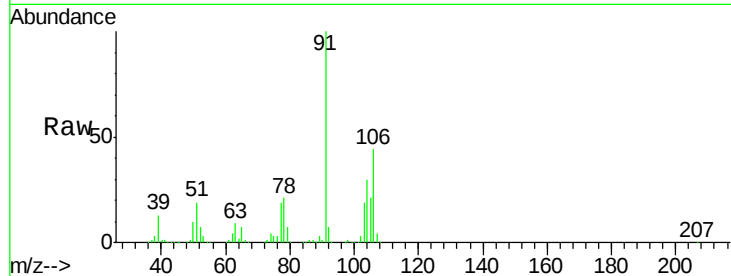
#69
o-Xylene
Concen: 51.591 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		294153		
91	223.5	112.7	338.0		

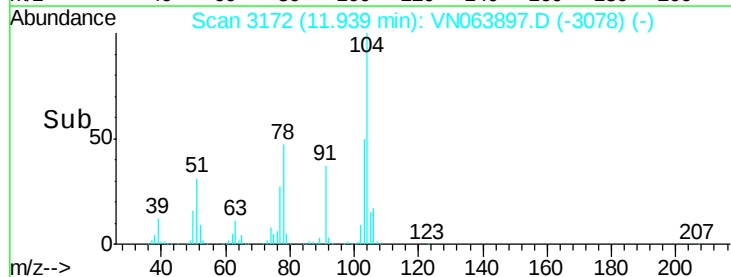
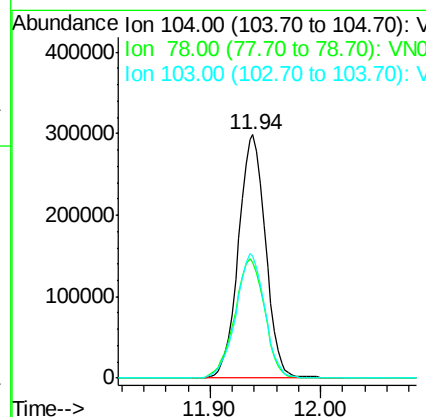
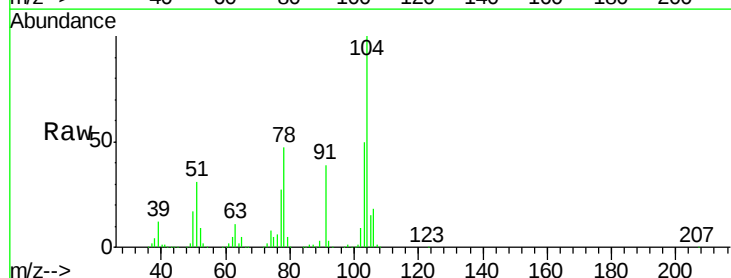
Manual Integrations
APPROVED

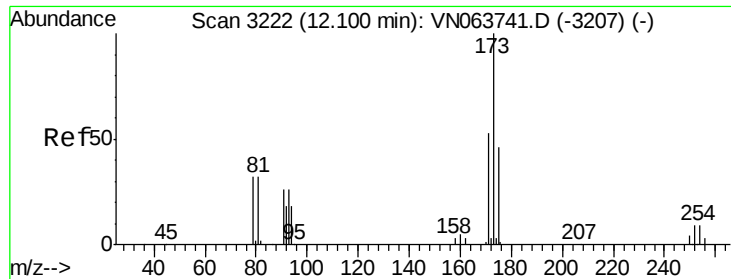
MMDadoda
10/7/2020 12:11:44 PM



#70
Styrene
Concen: 52.466 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		507787		
78	54.3	44.1	66.1		
103	54.6	44.3	66.5		





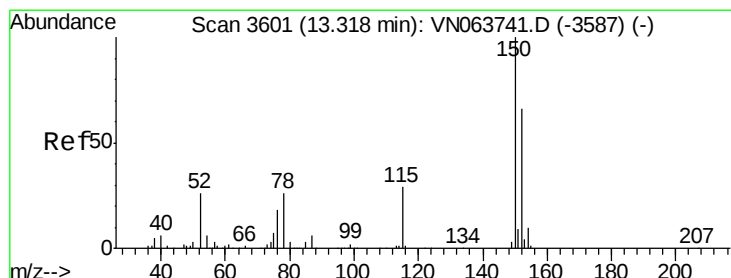
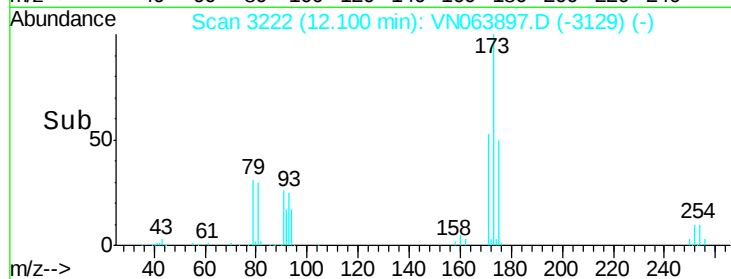
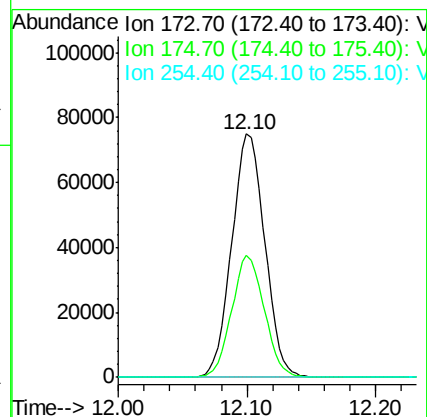
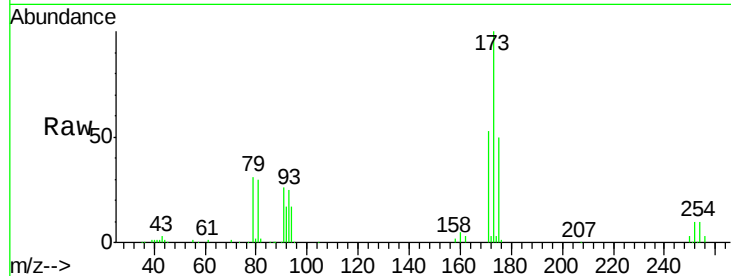
#71
Bromoform
Concen: 50.669 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.5	70.5
254	0.0	0.0	0.0

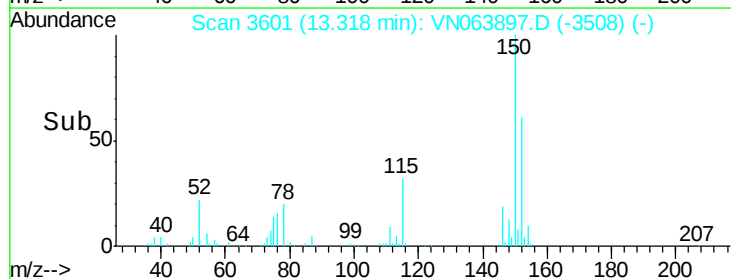
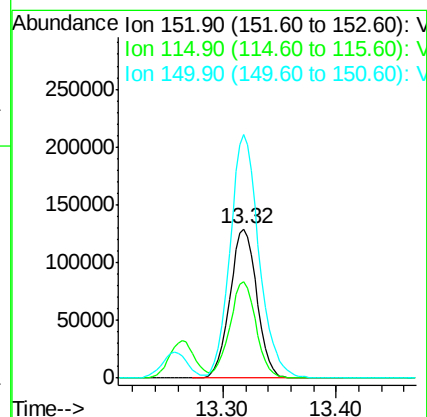
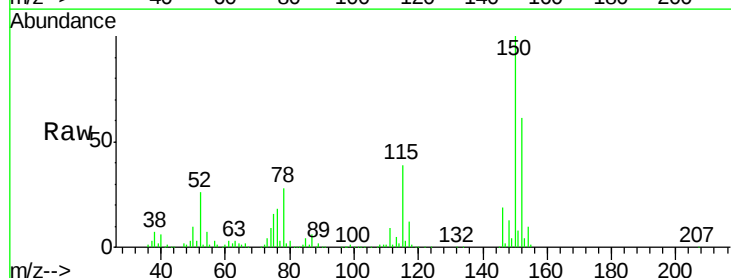
Manual Integrations
APPROVED

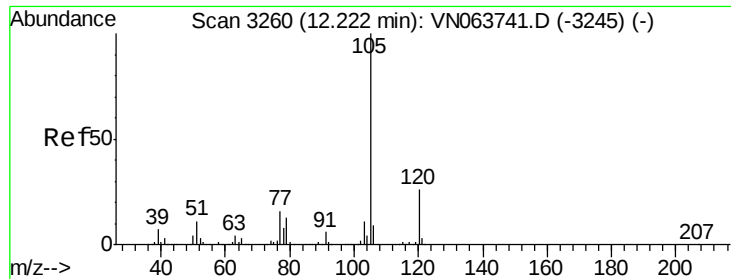
MMDadoda
10/7/2020 12:11:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.8
150	175.2	0.0	341.8





#73

Isopropylbenzene

Concen: 50.717 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 790963

Ion Ratio Lower Upper

105 100

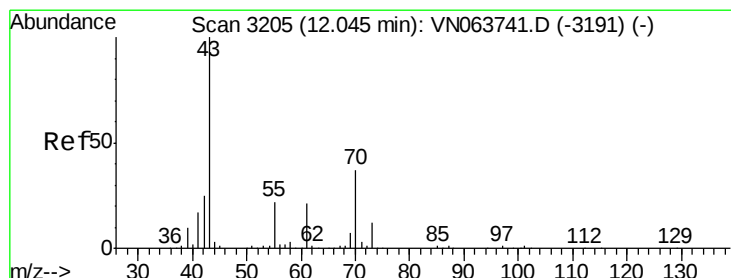
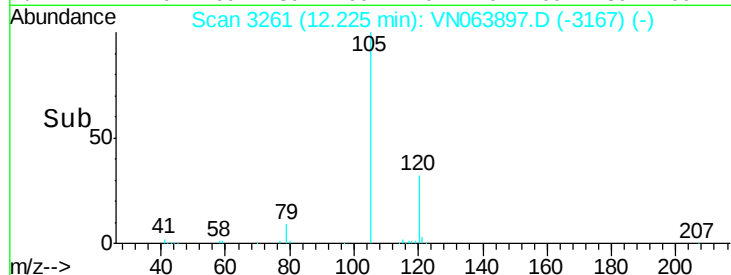
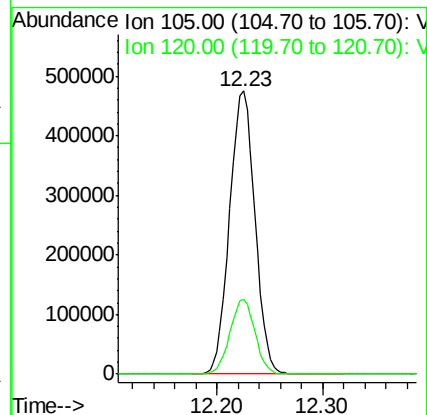
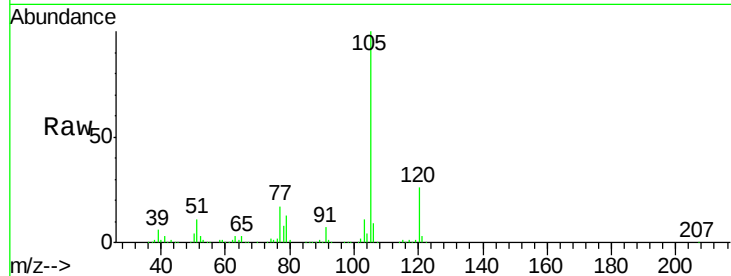
120 25.8 12.6 37.8

Manual Integrations

APPROVED

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10/7/2020 12:11:44 PM



#74

N-ethyl acetate

Concen: 49.410 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Tgt Ion: 43 Resp: 357953

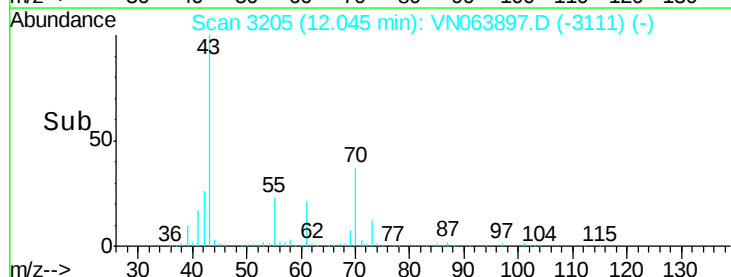
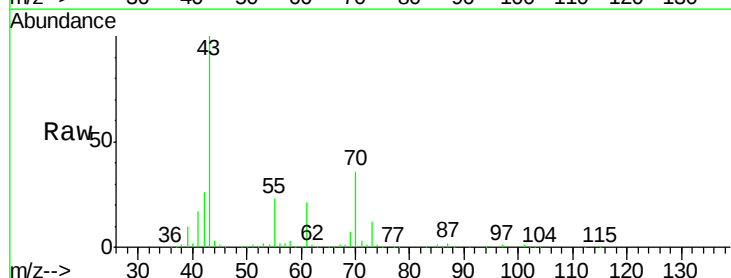
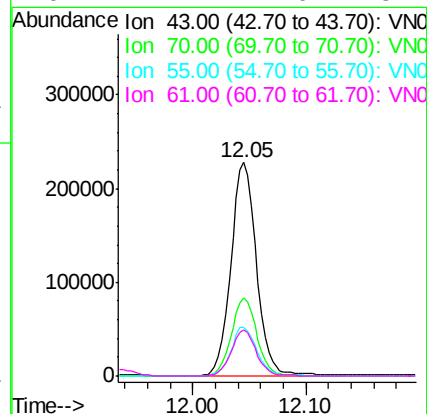
Ion Ratio Lower Upper

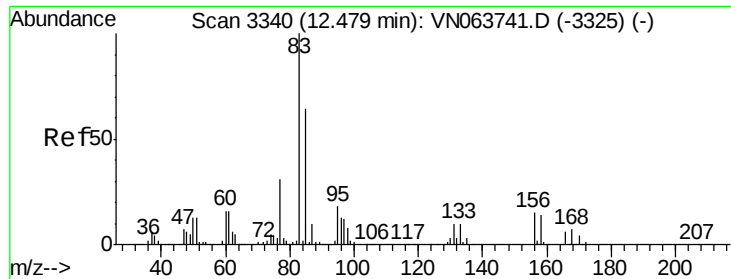
43 100

70 36.5 29.8 44.8

55 23.4 17.9 26.9

61 21.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.338 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 240062

Ion Ratio Lower Upper

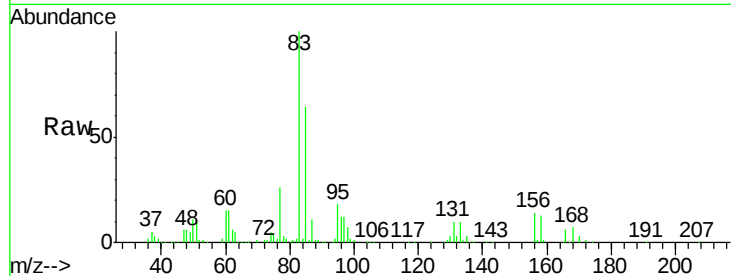
83 100

131 10.6 5.3 15.8

85 64.4 31.3 93.8

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:44 PM

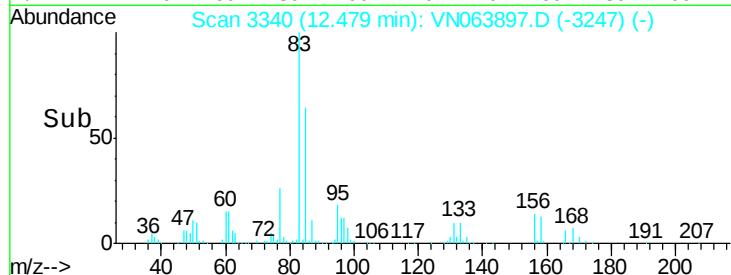


Abundance Ion 82.90 (82.60 to 83.60): VN063897.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063897.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063897.D (-3247) (-)

Time-->



12.48

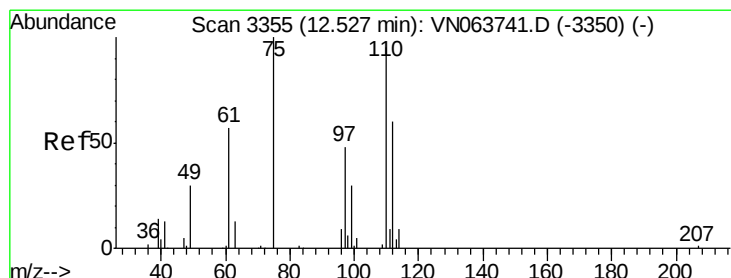
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.105 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063897.D

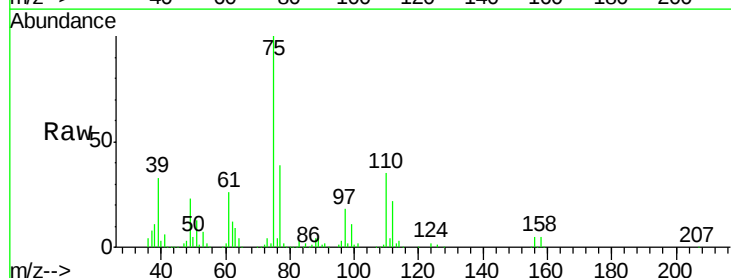
Acq: 6 Oct 2020 16:25

Tgt Ion: 75 Resp: 231448

Ion Ratio Lower Upper

75 100

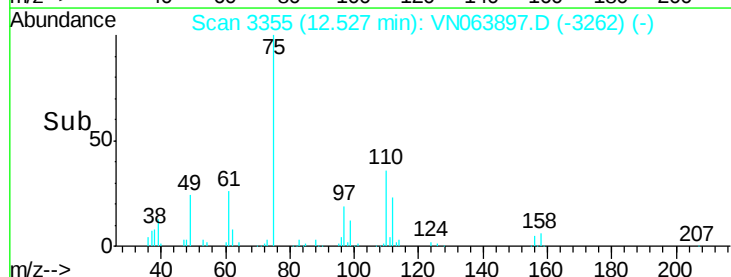
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063897.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063897.D (-3262) (-)

Time-->



250000

200000

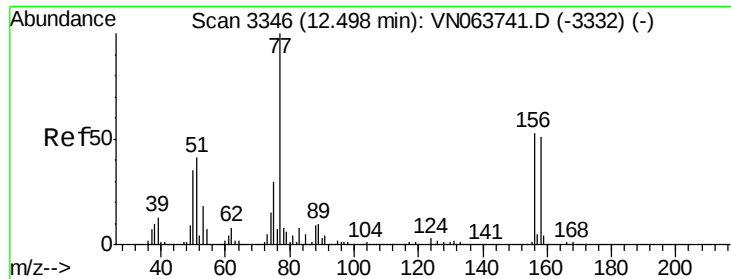
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 50.865 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

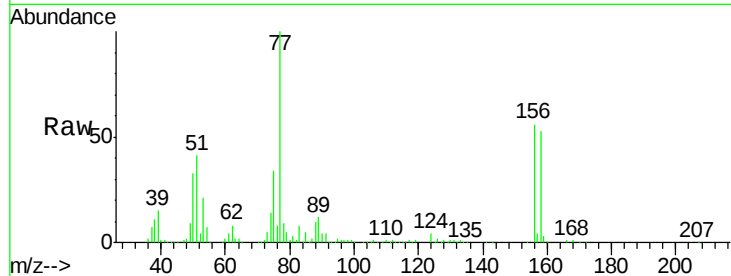
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.8	110.9	332.7
158	96.9	47.7	143.1

Manual Integrations
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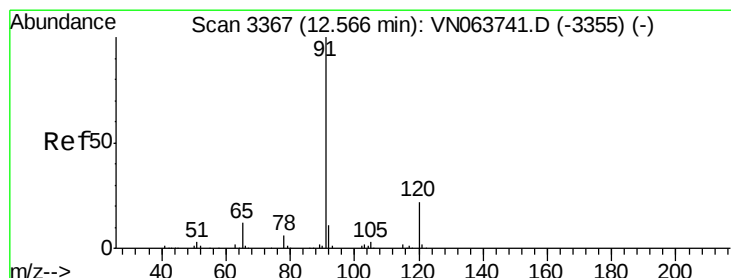
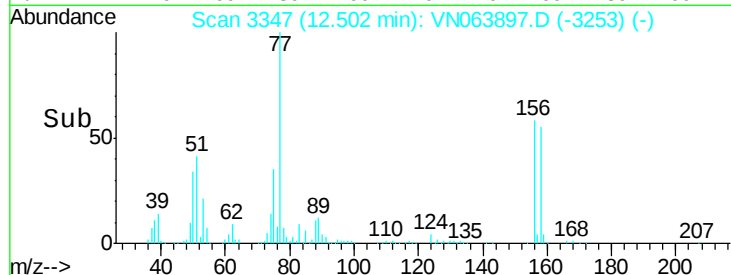
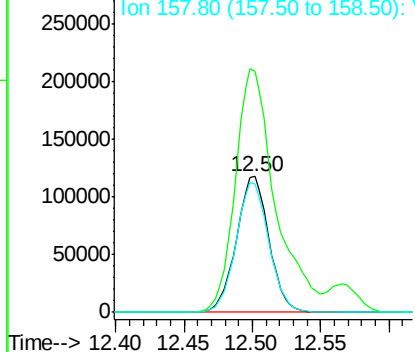
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.935 ug/l

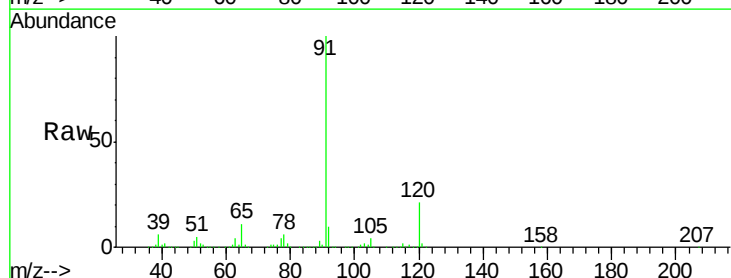
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063897.D

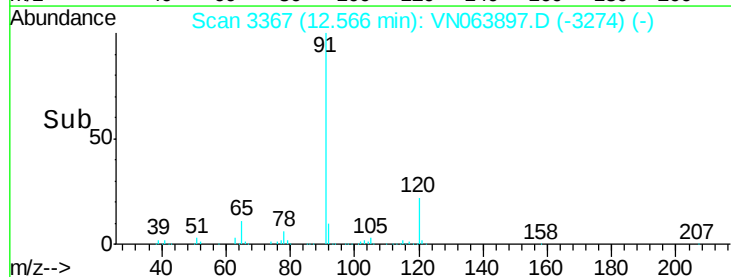
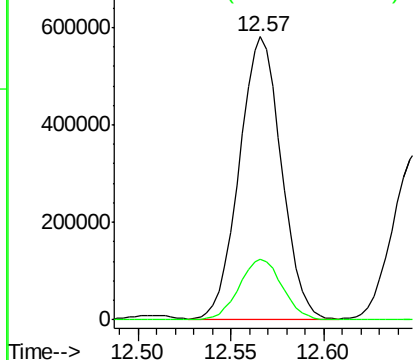
Acq: 6 Oct 2020 16:25

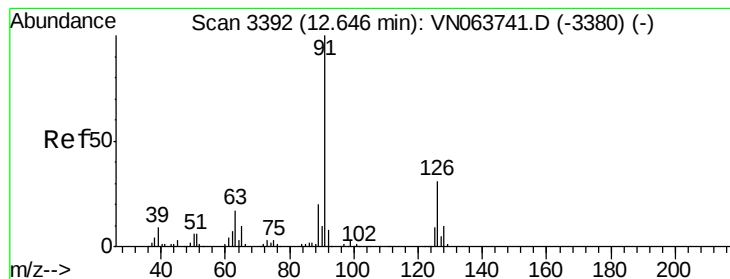
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.992 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 558044

Ion Ratio Lower Upper

91 100

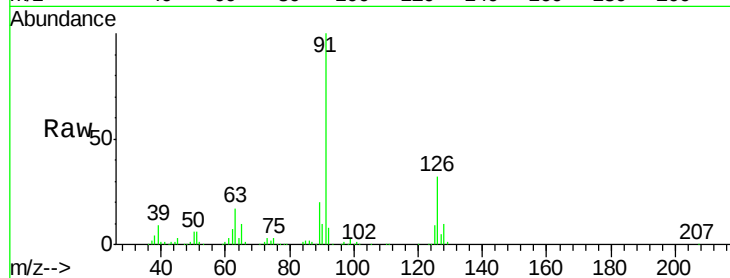
126 31.9 15.9 47.7

Manual Integrations

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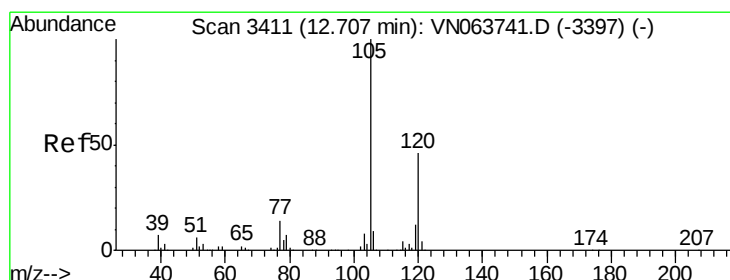
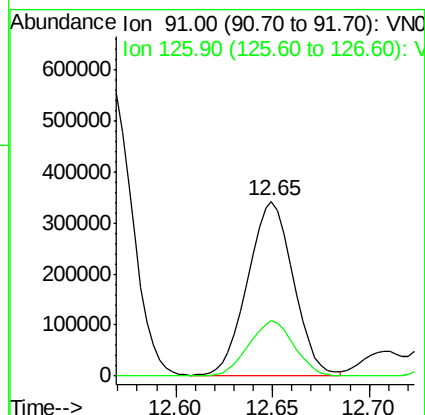
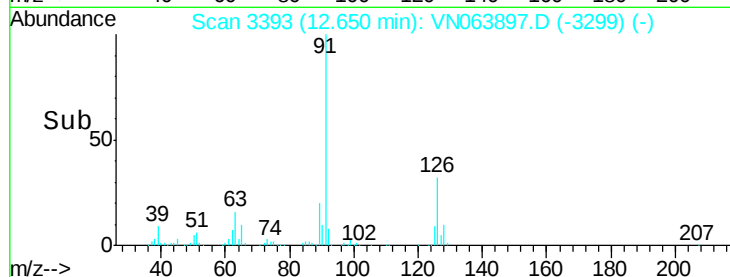
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Abundance Ion 91.00 (90.70 to 91.70): VN063897.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN063897.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.792 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063897.D

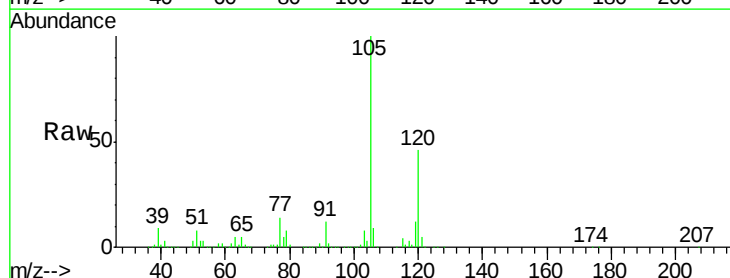
Acq: 6 Oct 2020 16:25

Tgt Ion: 105 Resp: 664555

Ion Ratio Lower Upper

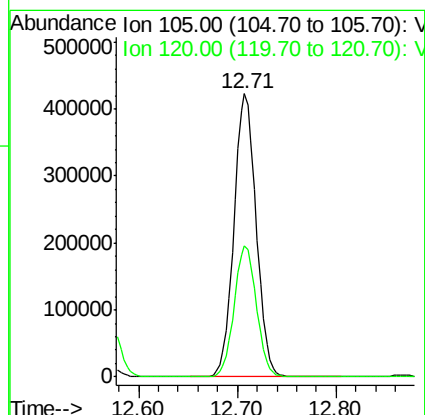
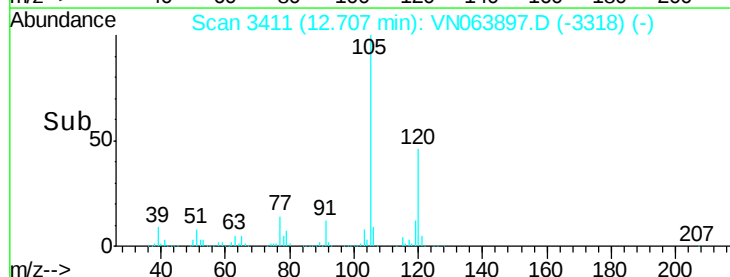
105 100

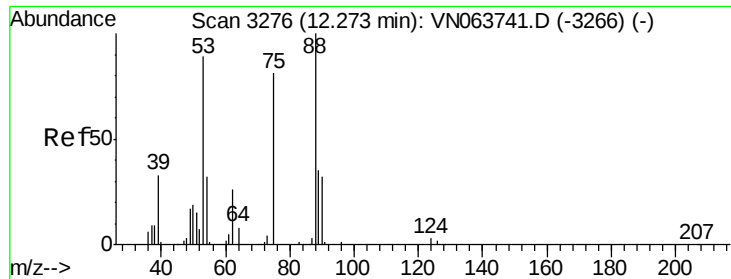
120 46.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063897.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN063897.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.513 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

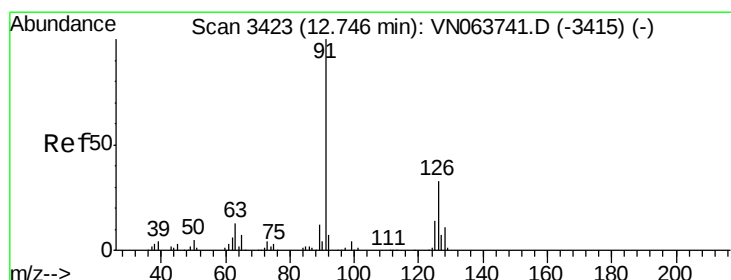
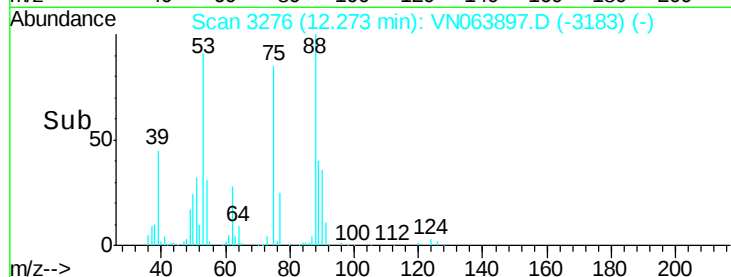
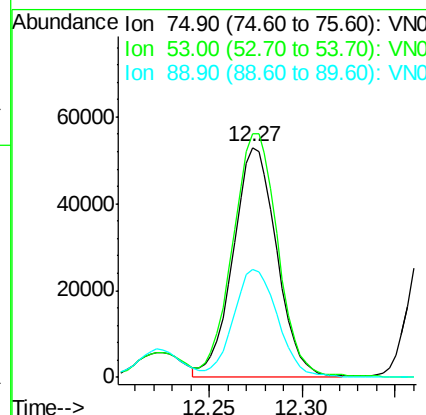
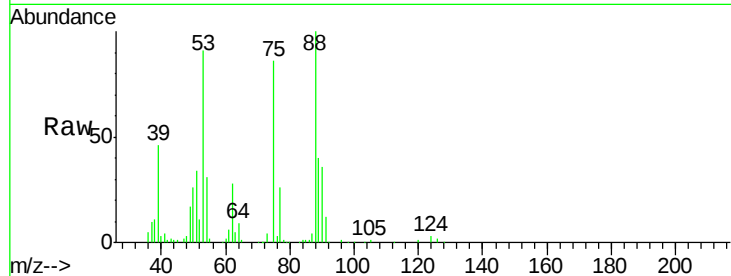
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	85937
Ion Ratio	Lower	Upper	
75	100		
53	109.6	88.2	132.2
89	48.3	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.412 ug/l

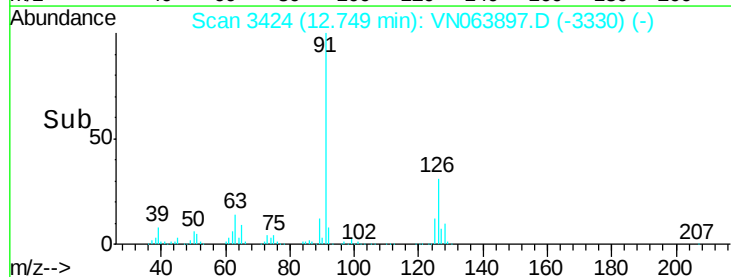
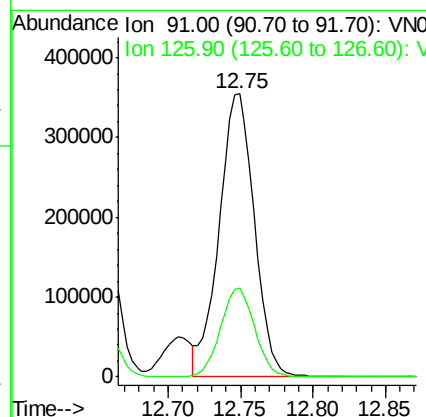
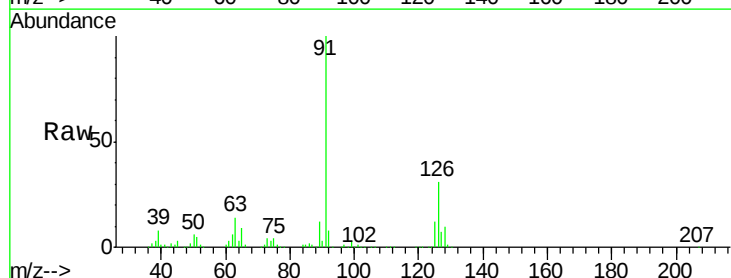
RT: 12.75 min Scan# 3424

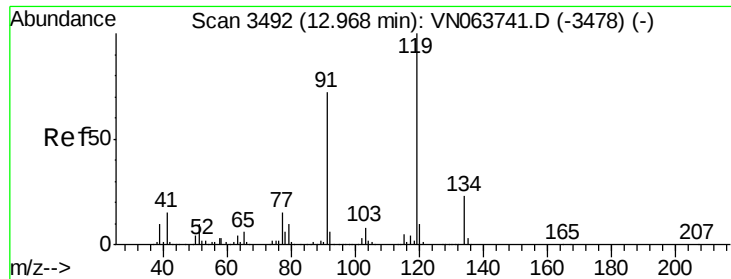
Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Tgt Ion:	91	Resp:	595758
Ion Ratio	Lower	Upper	
91	100		
126	30.6	15.4	46.2





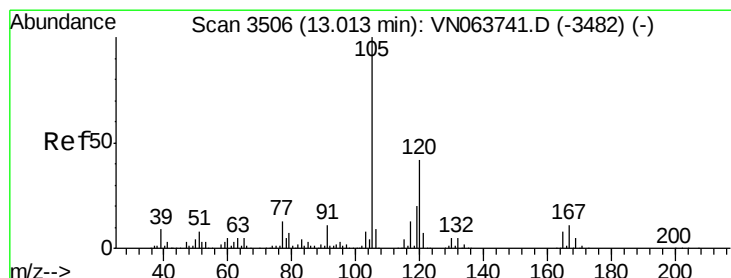
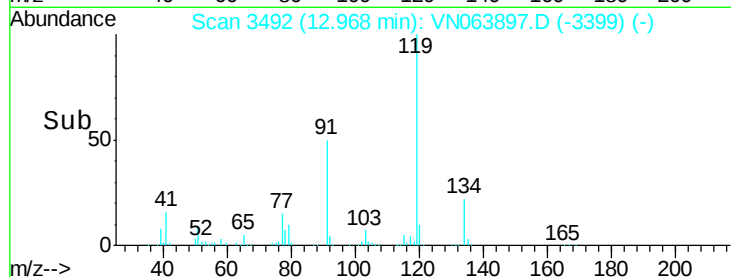
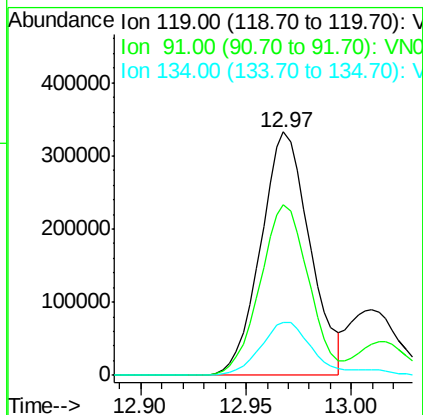
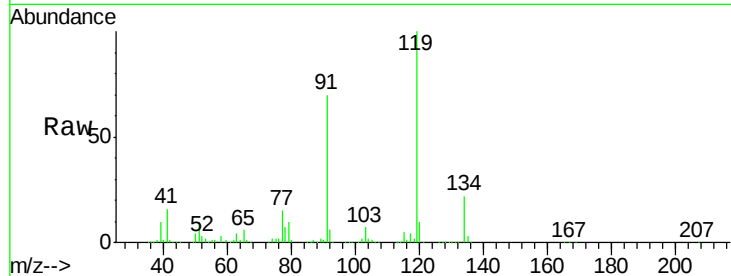
#83
tert-Butylbenzene
Concen: 50.566 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	35.5	106.5
134	24.2	11.7	35.1

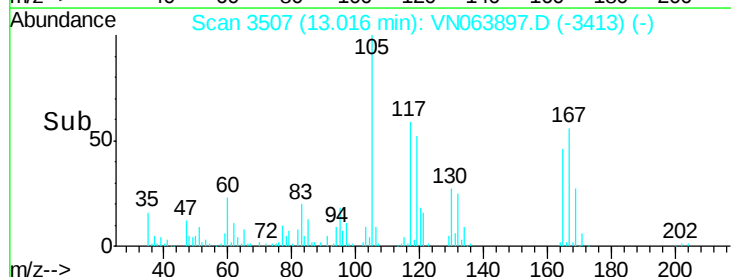
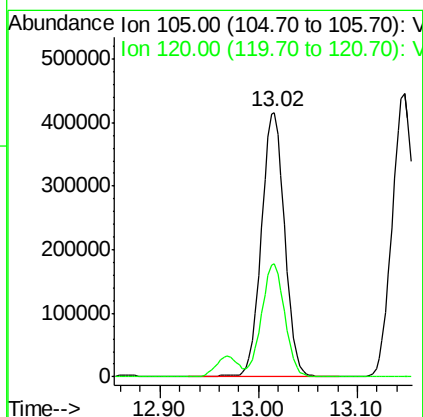
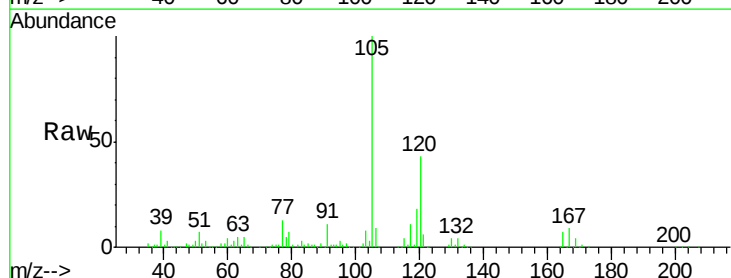
Manual Integrations
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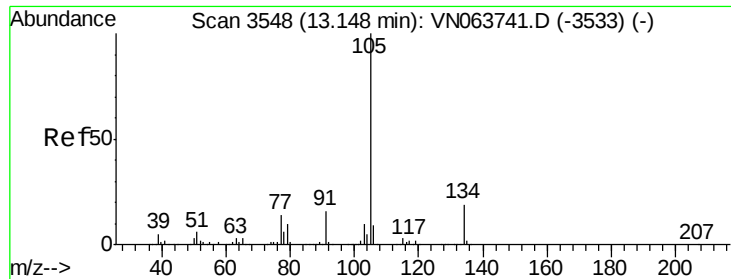
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#84
1,2,4-Trimethylbenzene
Concen: 51.644 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.3	20.9	62.7





#85

sec-Butylbenzene

Concen: 49.870 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 701020

Ion Ratio Lower Upper

105 100

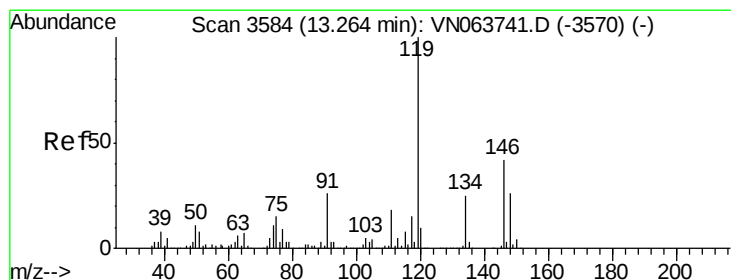
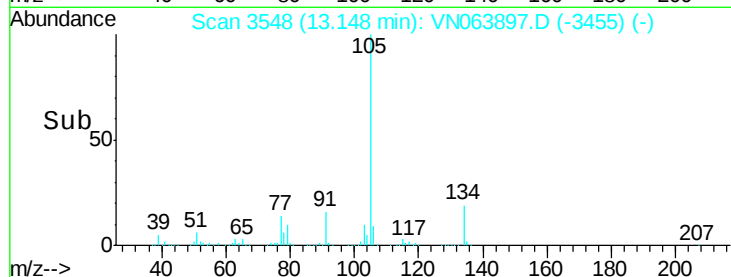
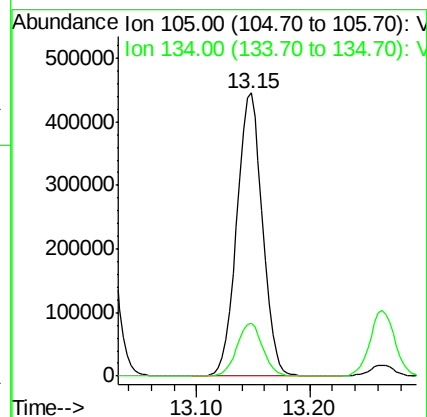
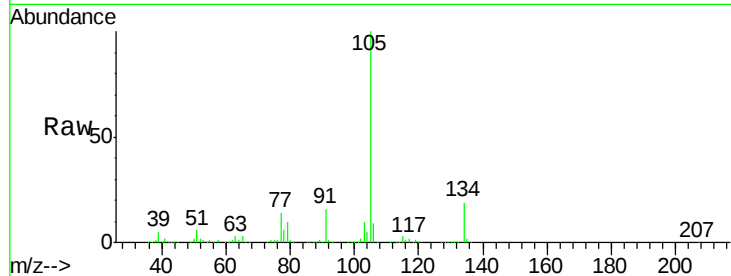
134 18.7 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.282 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063897.D

Acq: 6 Oct 2020 16:25

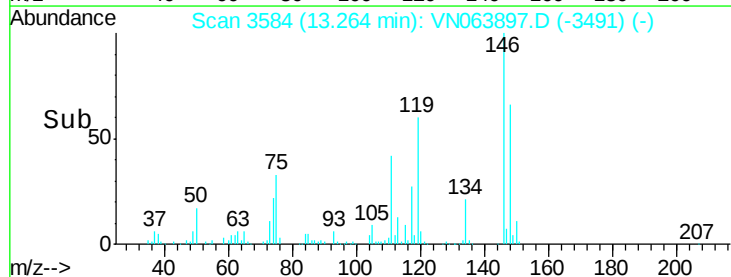
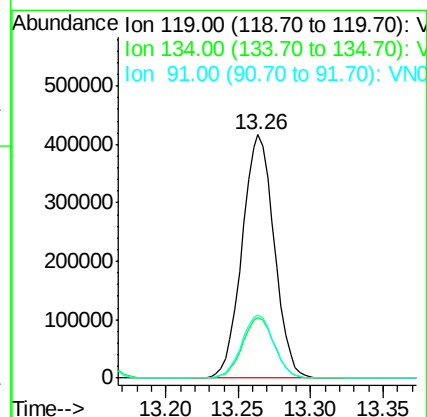
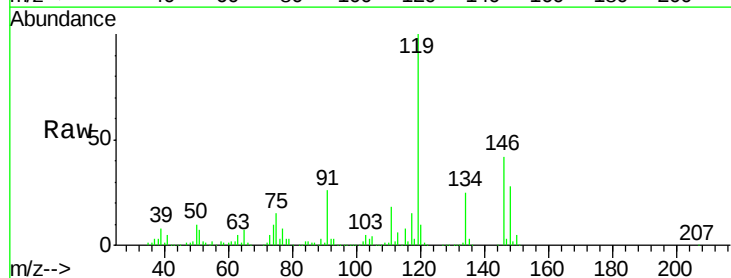
Tgt Ion:119 Resp: 637717

Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.8

91 26.0 13.4 40.2





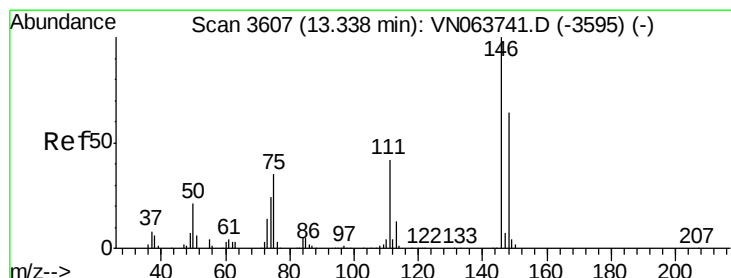
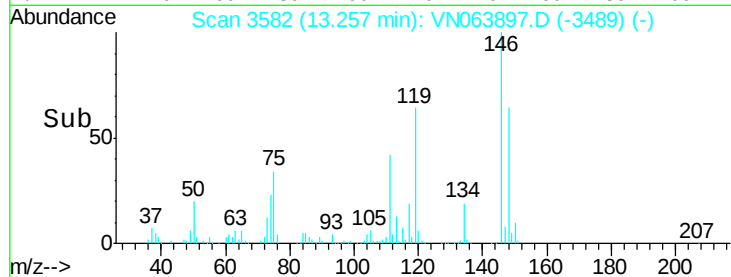
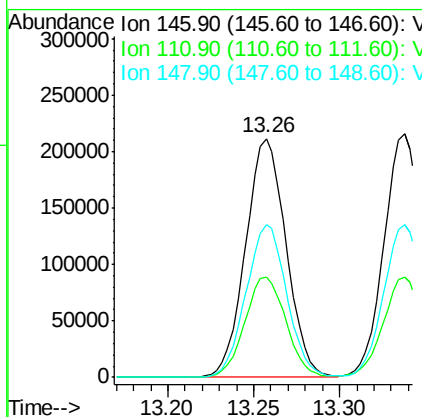
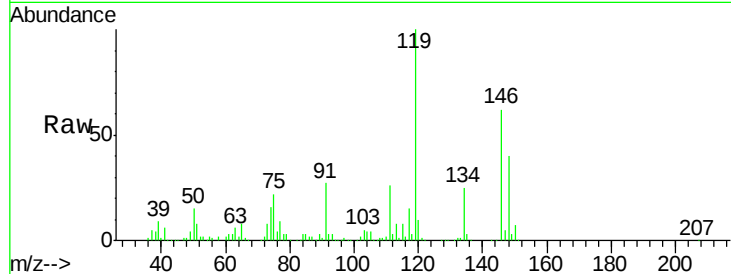
#87
 1,3-Dichlorobenzene
 Concen: 49.899 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.8	21.5	64.5	
148	64.3	31.1	93.3	

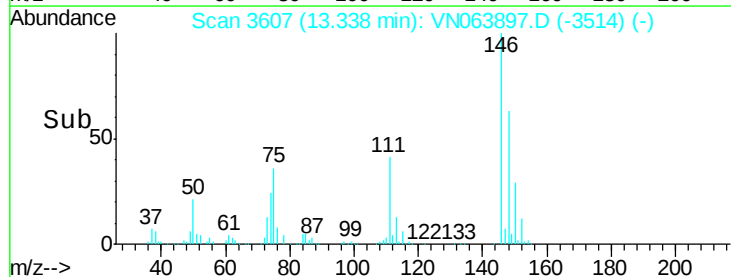
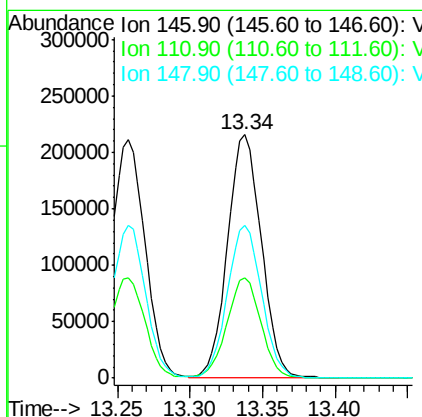
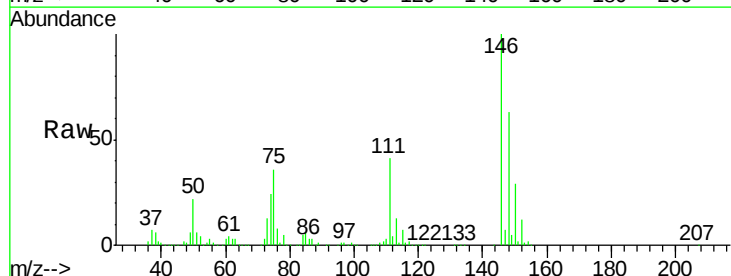
Manual Integrations
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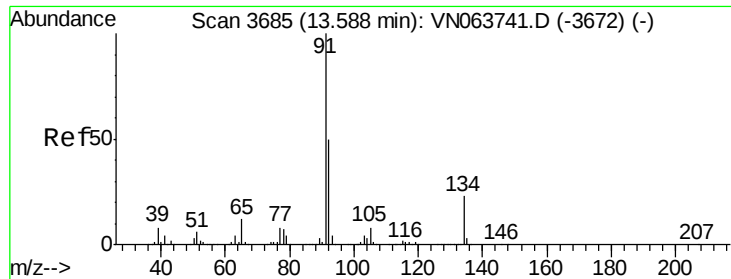
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#88
 1,4-Dichlorobenzene
 Concen: 48.301 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	21.3	63.7	
148	63.5	32.0	96.0	





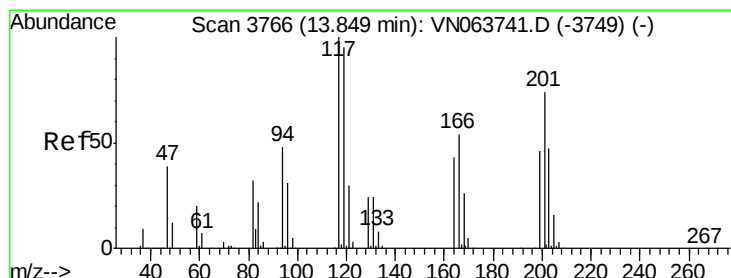
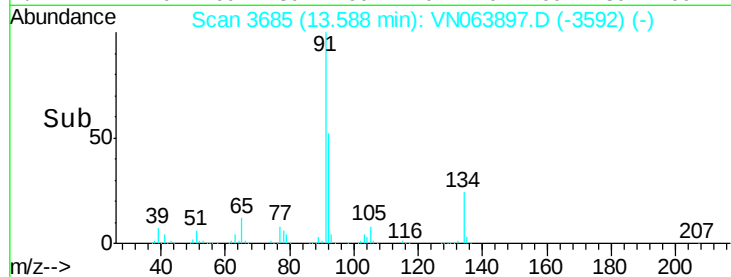
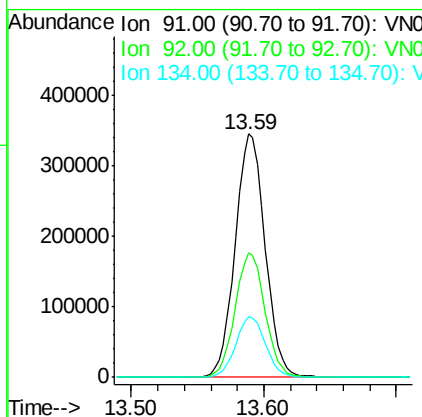
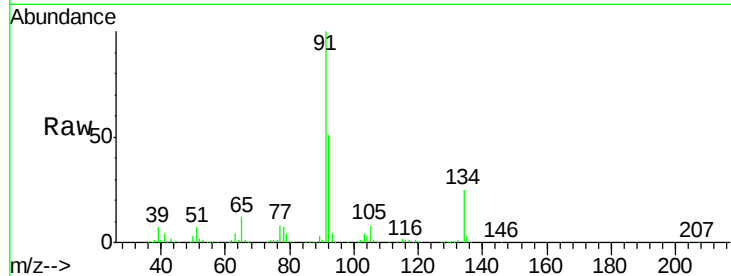
#89
n-Butylbenzene
Concen: 47.222 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.4	76.4
134	24.7	11.7	35.1

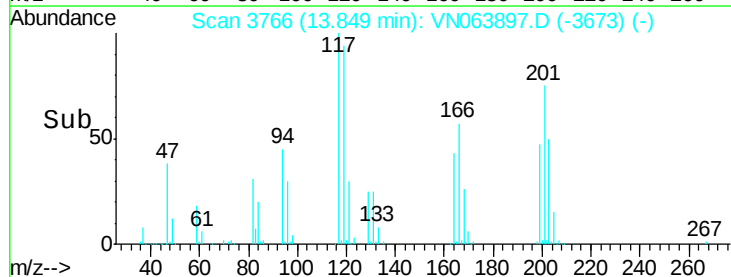
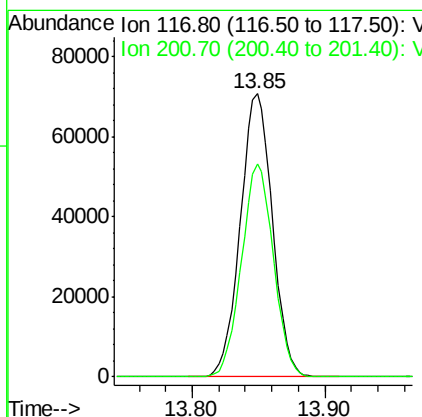
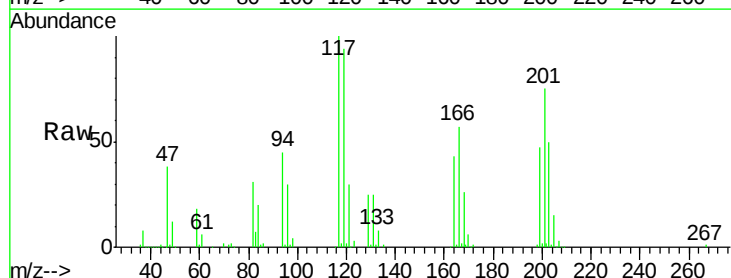
Manual Integrations
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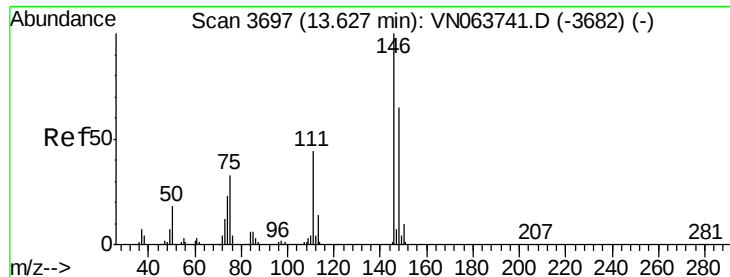
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#90
Hexachloroethane
Concen: 49.360 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.8	36.0	108.0





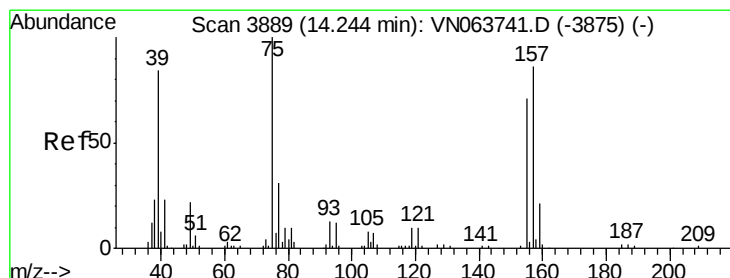
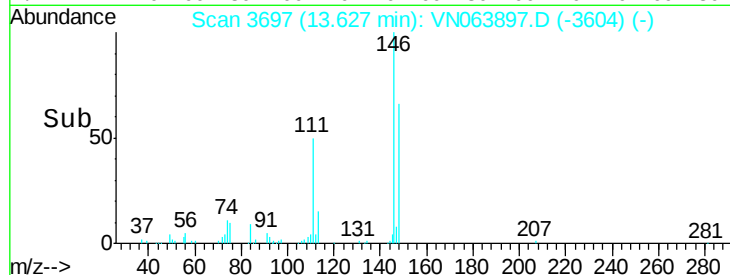
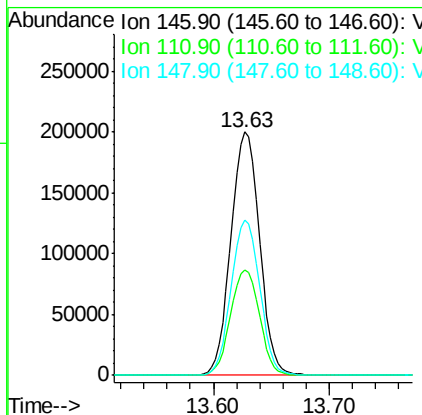
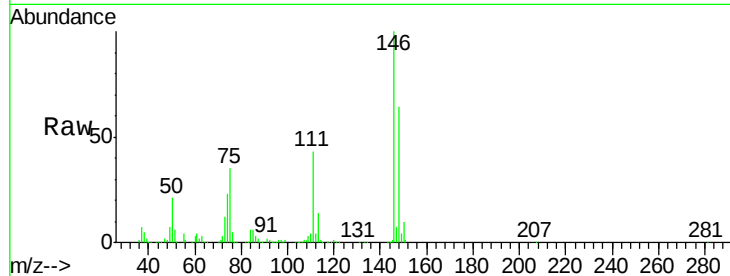
#91
1,2-Dichlorobenzene
Concen: 50.051 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.7	32.5	97.4

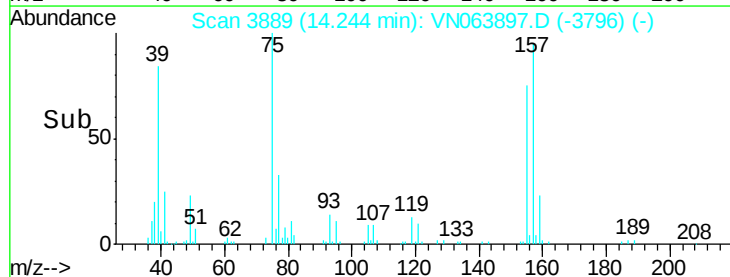
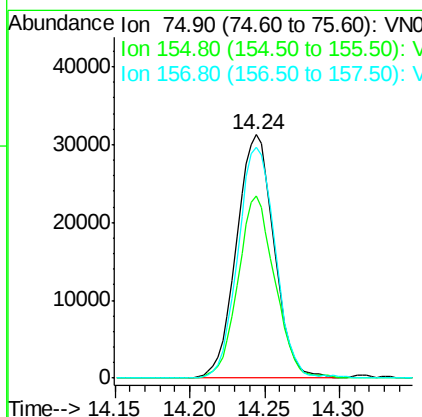
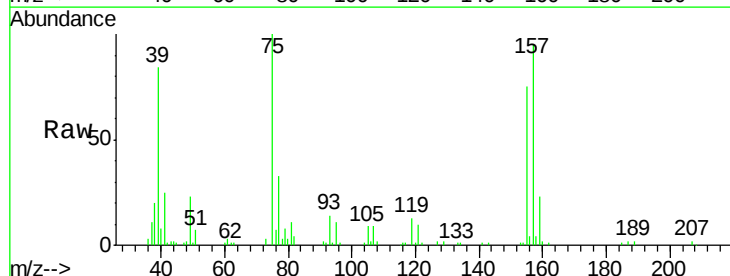
Manual Integrations
APPROVED

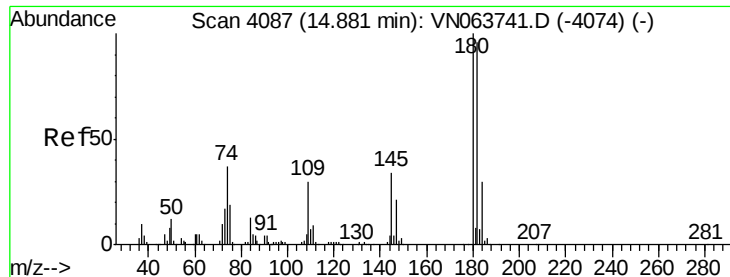
MMDadoda
10/7/2020 12:11:44 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.975 ug/l
RT: 14.24 min Scan# 3889
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	34.8	104.5
157	94.1	43.7	131.1





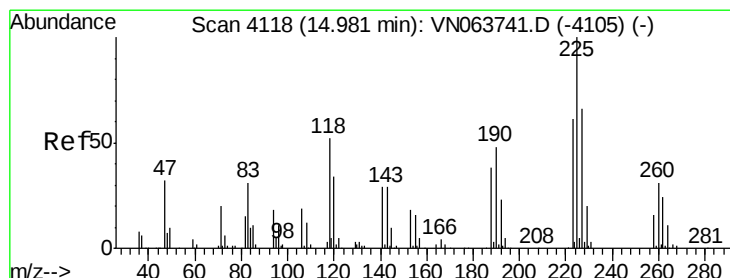
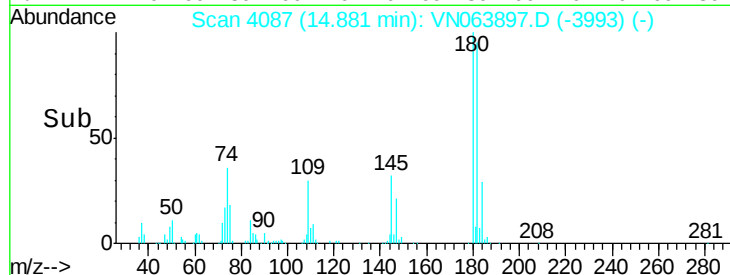
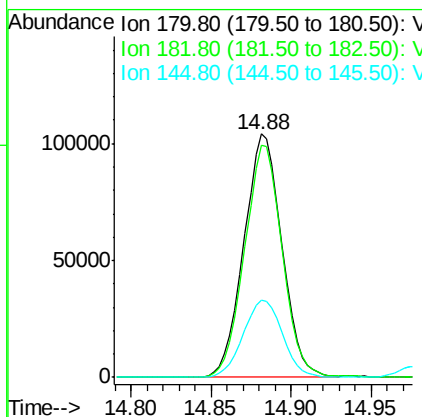
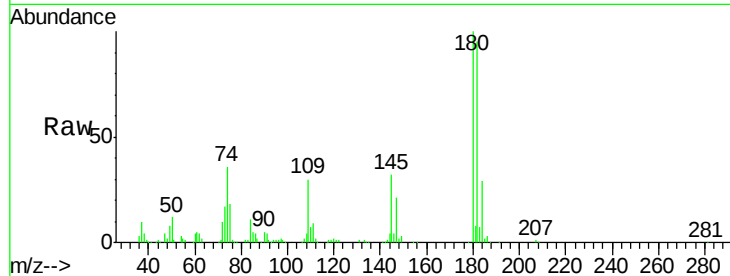
#93
 1,2,4-Trichlorobenzene
 Concen: 45.543 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	169216		
182	95.0	48.2	144.6	
145	33.0	17.1	51.2	

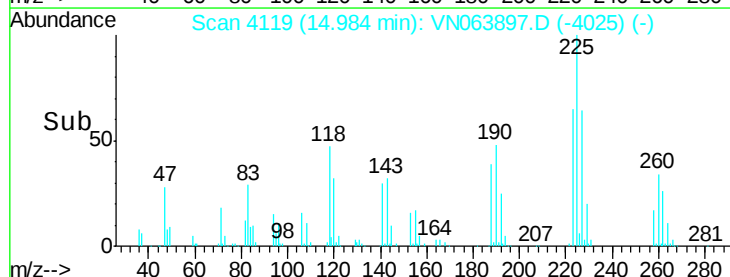
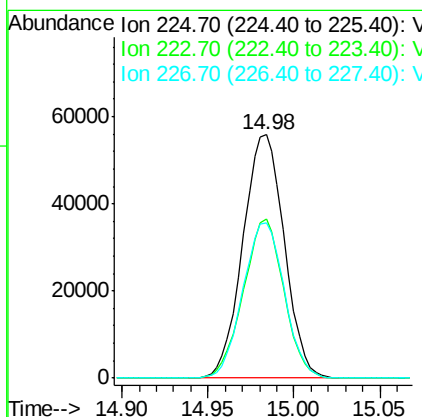
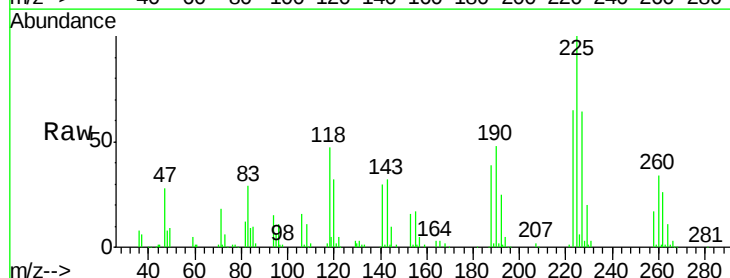
Manual Integrations
 APPROVED

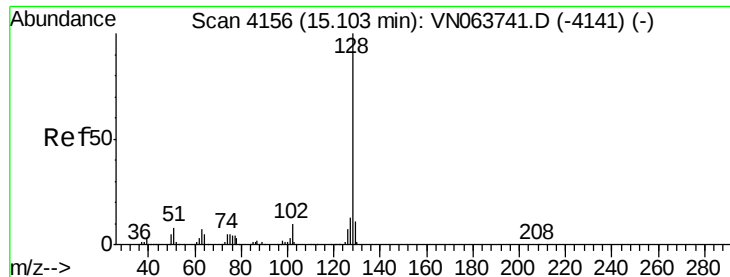
MMDadoda
 10/7/2020 12:11:44 PM



#94
 Hexachlorobutadiene
 Concen: 50.275 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063897.D
 Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93473		
223	63.6	30.3	91.0	
227	63.8	31.9	95.5	





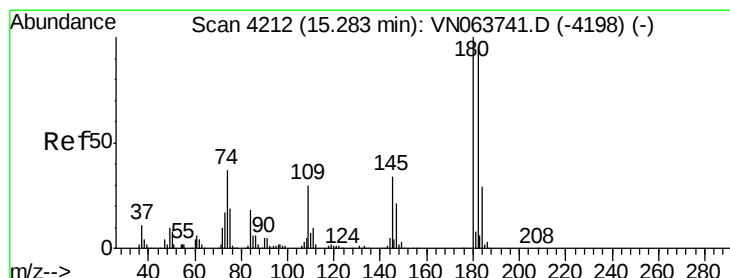
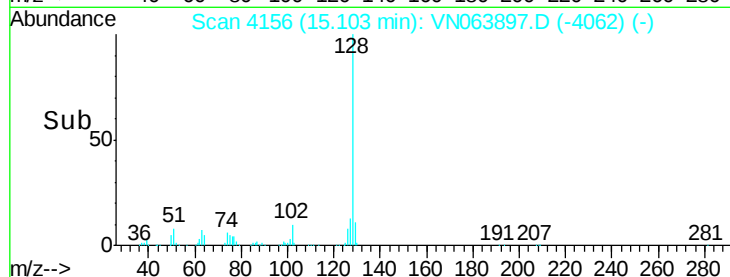
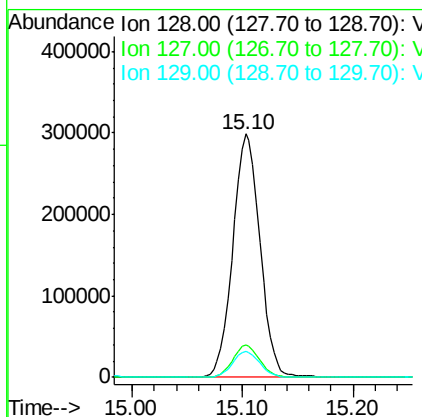
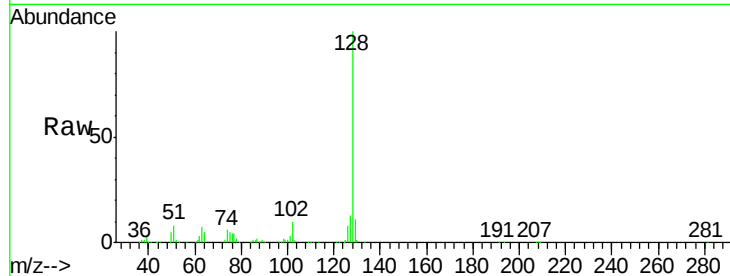
#95
Naphthalene
Concen: 44.540 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.837 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063897.D
Acq: 6 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	34.6	17.2	51.5

