

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064048.D
 Acq On : 9 Oct 2020 19:13
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:10:10 PM

Quant Time: Oct 10 02:21:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51189	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	254803	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	241765	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	135979	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	12.38	95	122363	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	10.06	98	341675	31.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	59106	17.060	ug/l 93
3) Chloromethane	2.04	50	66999	18.687	ug/l 94
4) Vinyl Chloride	2.16	62	61922	17.361	ug/l 96
5) Bromomethane	2.53	94	33976	14.800	ug/l 100
6) Chloroethane	2.68	64	38118	17.035	ug/l 100
7) Trichlorofluoromethane	2.98	101	91938	16.329	ug/l 97
8) Diethyl Ether	3.37	74	29817	16.355	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47839	16.351	ug/l 92
10) 1,1-Dichloroethene	3.70	96	45226	16.465	ug/l 95
11) Methyl Iodide	3.92	142	57608	16.437	ug/l 91
12) Methyl Acetate	4.28	43	62573	18.509	ug/l 93
13) Acrolein	3.57	56	29357	89.217	ug/l 92
14) Acrylonitrile	4.94	53	122607	88.211	ug/l 97
15) Acetone	3.78	58	32991	81.998	ug/l # 55
16) Carbon Disulfide	4.01	76	135360	16.617	ug/l 99
17) Allyl chloride	4.28	41	84329	16.494	ug/l 85
18) Methylene Chloride	4.51	84	58501	17.768	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	51477	16.591	ug/l 93
20) Diisopropyl ether	5.90	45	178849m	17.402	ug/l
21) 1,1-Dichloroethane	5.80	63	105970	17.032	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	57604	16.354	ug/l 91
23) tert-Butyl Alcohol	4.72	59	46410m	77.842	ug/l
24) Methyl tert-Butyl Ether	4.99	73	146698	15.919	ug/l # 87
25) Chloroform	7.33	83	112279	17.211	ug/l 99
26) Cyclohexane	7.61	56	70970	15.836	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	74594	16.717	ug/l 97
30) 2-Butanone	6.79	43	192656	88.029	ug/l 95
31) 2,2-Dichloropropane	6.78	77	85762	16.082	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	94804	16.654	ug/l 98
33) Carbon Tetrachloride	7.73	117	81340	16.309	ug/l 95
34) Benzene	8.00	78	226571	17.859	ug/l 95
35) Methacrylonitrile	7.13	41	39803	19.135	ug/l 92
36) 1,2-Dichloroethane	8.09	62	94034	16.870	ug/l # 85
37) Trichloroethene	8.80	130	55533	16.706	ug/l 96
38) Methylcyclohexane	9.05	83	58675	15.574	ug/l 97
39) 1,2-Dichloropropane	9.08	63	62580	18.154	ug/l 95
40) Dibromomethane	9.18	93	41155	17.094	ug/l 91

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Oct 10 02:21:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	85463	17.079	ug/l	98
42) Vinyl Acetate	5.85	43	806193	88.757	ug/l	97
43) Ethyl Acetate	6.88	43	82384	17.578	ug/l	98
44) Isopropyl Acetate	8.13	43	136719	17.602	ug/l #	90
45) 1,4-Dioxane	9.17	88	15873	318.745	ug/l	93
46) Methyl methacrylate	9.17	41	68385	17.696	ug/l	85
47) n-amyl Acetate	12.05	43	106712	15.452	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	86505	15.998	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	94966	16.937	ug/l #	83
50) 1,1,2-Trichloroethane	10.53	97	57270	17.814	ug/l	99
51) Ethyl methacrylate	10.40	69	76761	16.461	ug/l	80
52) 1,3-Dichloropropane	10.68	76	96613	17.544	ug/l	98
53) Dibromochloromethane	10.87	129	61853	16.717	ug/l	98
54) 1,2-Dibromoethane	10.98	107	58719	17.421	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	217290	87.322	ug/l	99
56) Bromoform	12.10	173	42678	16.646	ug/l #	93
58) 4-Methyl-2-Pentanone	9.95	43	430648	91.782	ug/l	93
59) 2-Hexanone	10.72	43	301747	86.340	ug/l	94
61) Tetrachloroethene	10.60	164	50809	16.566	ug/l	92
62) Toluene	10.13	91	243019	17.502	ug/l	98
64) Chlorobenzene	11.41	112	140560	16.702	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	56578	17.189	ug/l	98
66) Ethyl Benzene	11.49	91	247751	16.248	ug/l	98
67) m/p-Xylenes	11.60	106	188572	33.257	ug/l	97
68) o-Xylene	11.92	106	88624	16.405	ug/l	95
69) Styrene	11.94	104	149900	16.262	ug/l	96
70) Isopropylbenzene	12.23	105	237172	16.522	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.48	83	81883	18.046	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	84688m	18.303	ug/l	
73) Bromobenzene	12.50	156	58412	16.054	ug/l	86
74) n-propylbenzene	12.57	91	269133	16.038	ug/l	100
75) 2-Chlorotoluene	12.65	91	170551	16.662	ug/l	95
76) 1,3,5-Trimethylbenzene	12.71	105	195534	16.153	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	25403	15.436	ug/l	86
78) 4-Chlorotoluene	12.75	91	179370	16.548	ug/l	96
79) tert-butylbenzene	12.97	119	154900	15.972	ug/l	96
80) 1,2,4-Trimethylbenzene	13.02	105	195099	16.077	ug/l	97
81) sec-Butylbenzene	13.15	105	201858	15.836	ug/l	98
82) p-Isopropyltoluene	13.26	119	178996	15.536	ug/l	94
83) 1,3-Dichlorobenzene	13.26	146	102265	15.804	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	98232	15.282	ug/l	99
85) n-Butylbenzene	13.59	91	148162	14.699	ug/l	96
86) Hexachloroethane	13.85	117	31961	16.097	ug/l	82
87) 1,2-Dichlorobenzene	13.63	146	100788	15.873	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17140	15.809	ug/l	86
89) 1,2,4-Trichlorobenzene	14.88	180	40220	12.461	ug/l #	90
90) Hexachlorobutadiene	14.98	225	26727	15.635	ug/l	96
91) Naphthalene	15.10	128	124897	12.650	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	44536	14.167	ug/l	96

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

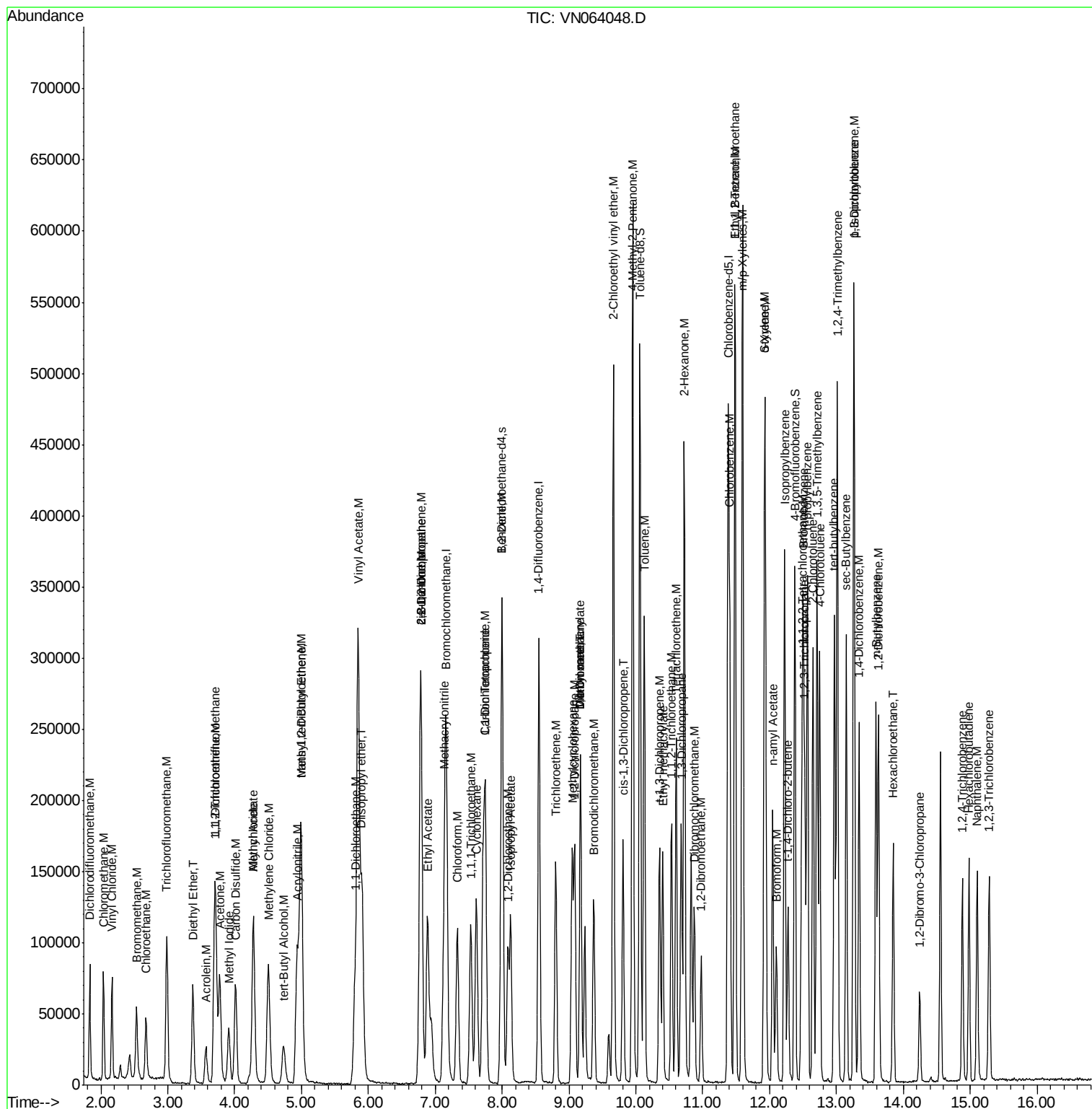
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Data File : VN064048.D
Acq On : 9 Oct 2020 19:13
Operator : JC/MD
Sample : VSTDC0020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

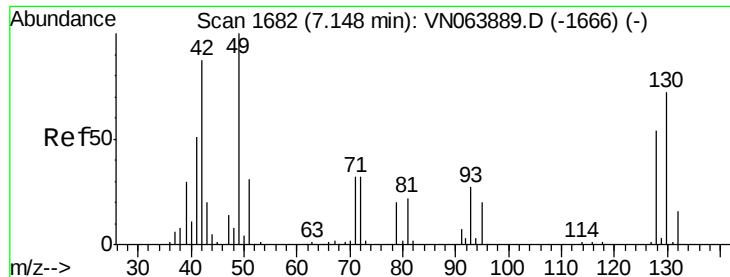
Instrument :
MSVOA_N
Client Sample ID :
VSTDC0020EC

Manual Integrations
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10/12/2020 2:10:10 PM

Quant Time: Oct 10 02:21:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

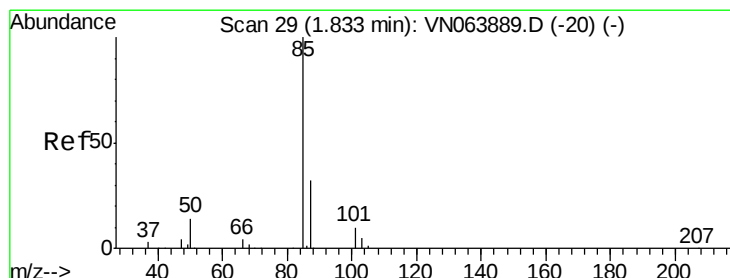
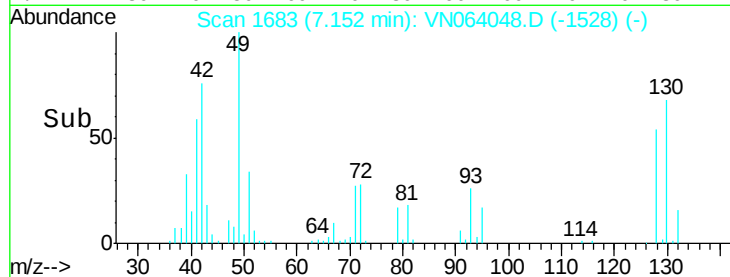
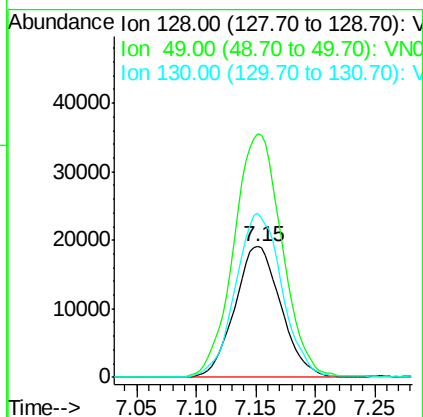
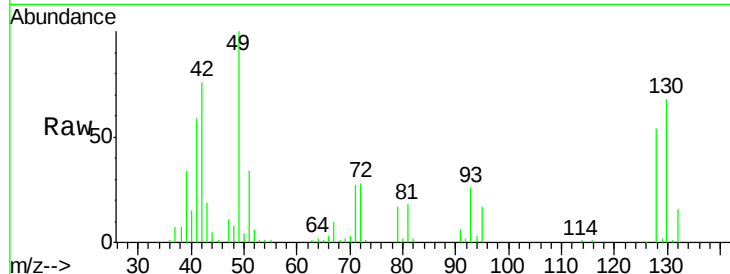
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	51189
Ion	Ratio	Lower	Upper
128	100		
49	194.7	0.0	437.5
130	126.9	0.0	327.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 17.060 ug/l

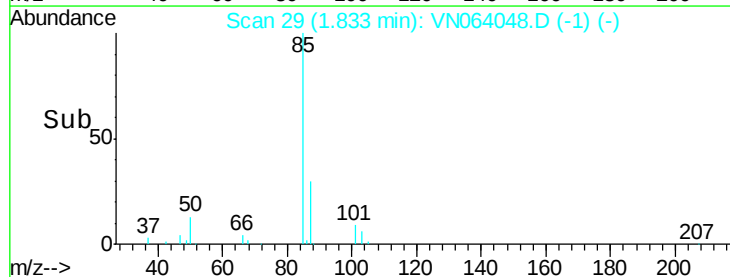
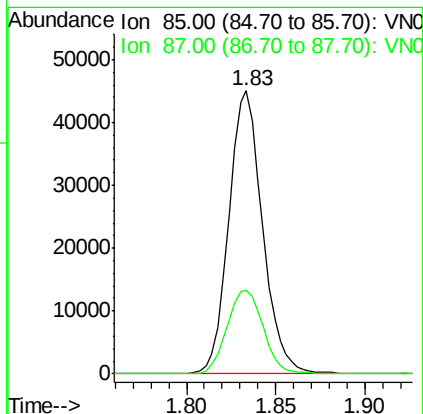
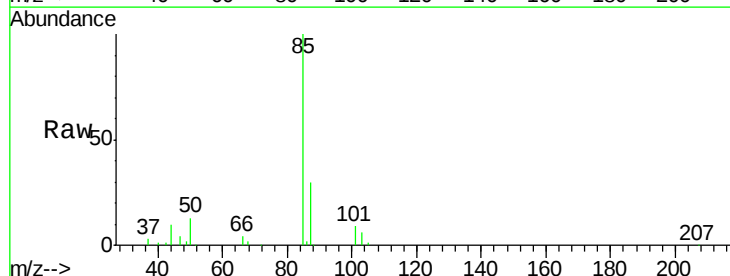
RT: 1.83 min Scan# 29

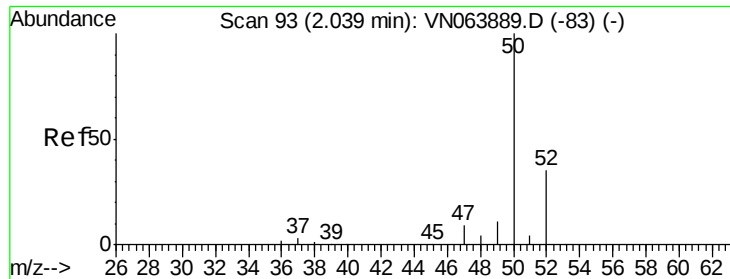
Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Tgt Ion:	85	Resp:	59106
Ion	Ratio	Lower	Upper
85	100		
87	29.6	16.9	50.6





#3

Chloromethane

Concen: 18.687 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 66999

Ion Ratio Lower Upper

50 100

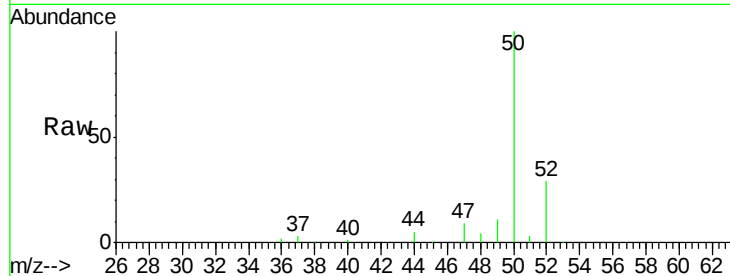
52 29.0 26.0 39.0

Manual Integrations

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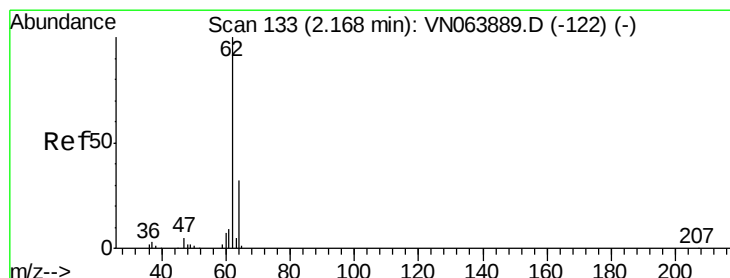
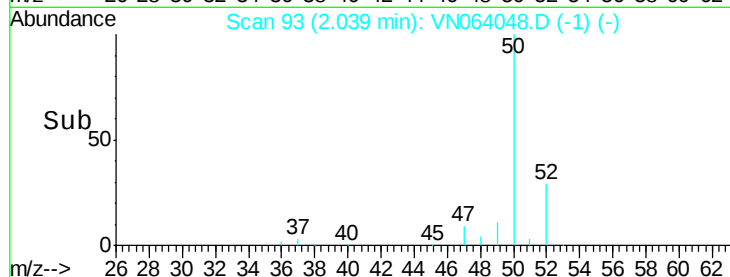
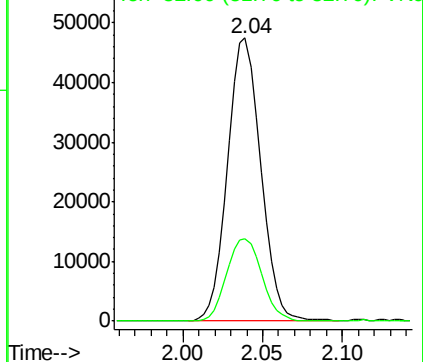
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 17.361 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.01 min

Lab File: VN064048.D

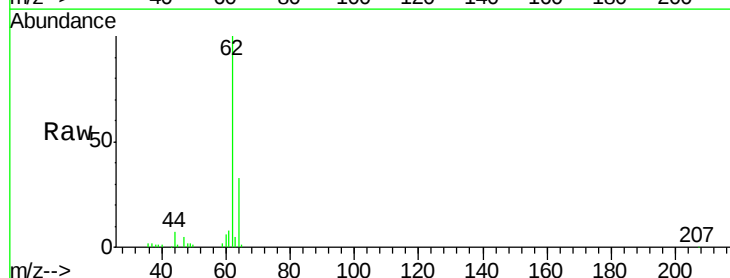
Acq: 9 Oct 2020 19:13

Tgt Ion: 62 Resp: 61922

Ion Ratio Lower Upper

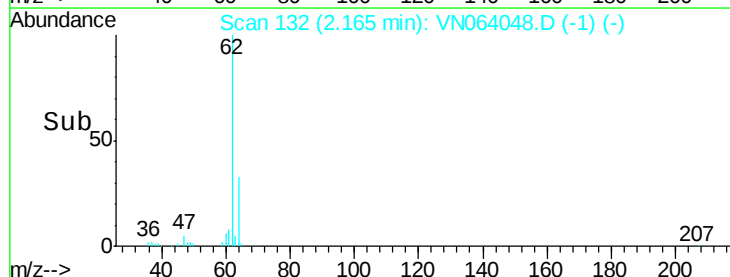
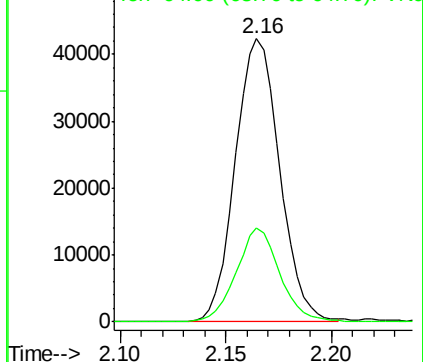
62 100

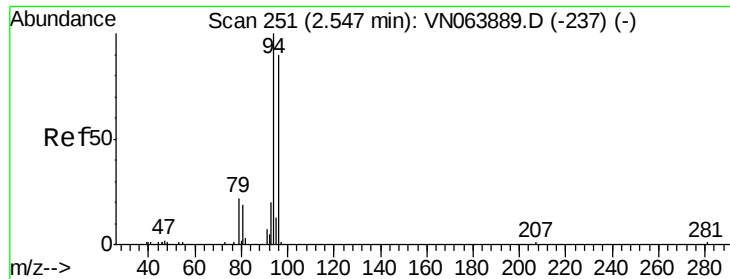
64 33.4 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 14.800 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

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ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 33976

Ion Ratio Lower Upper

94 100

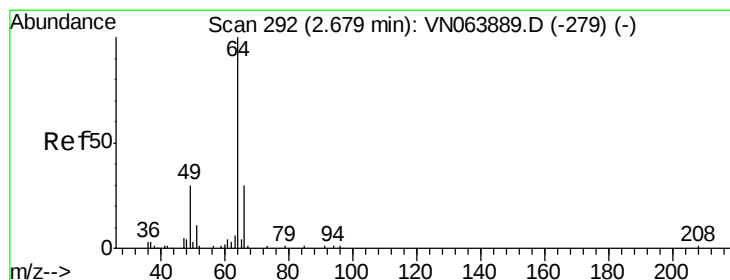
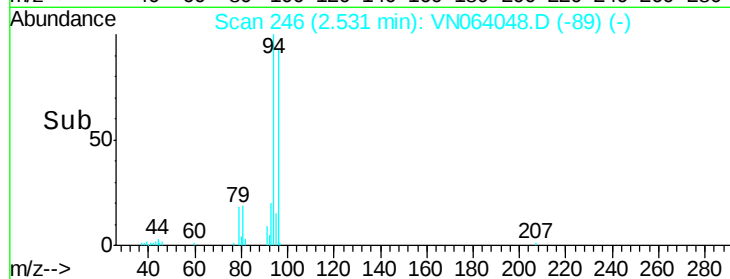
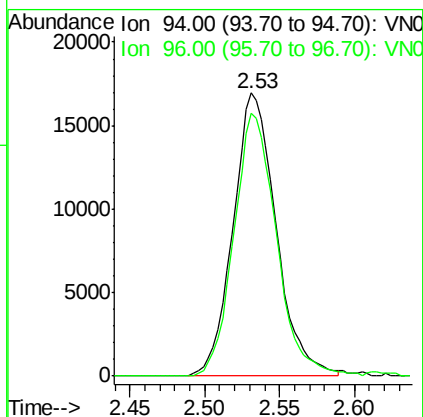
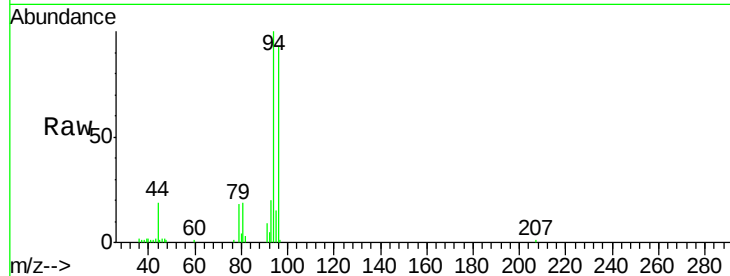
96 92.7 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 17.035 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064048.D

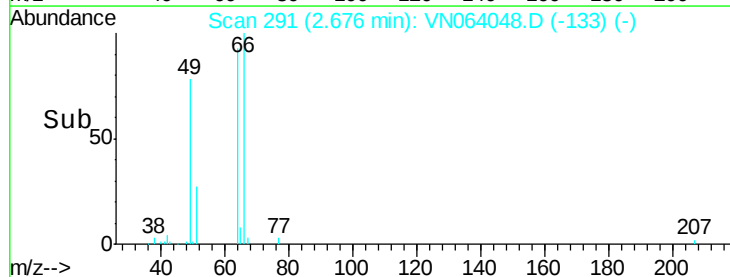
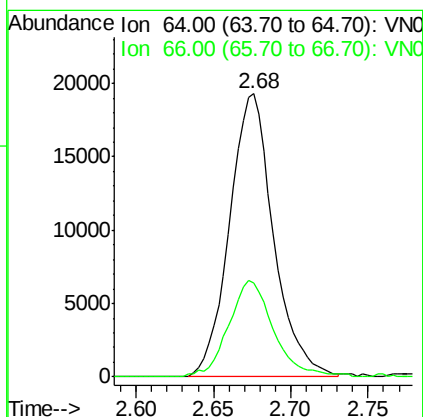
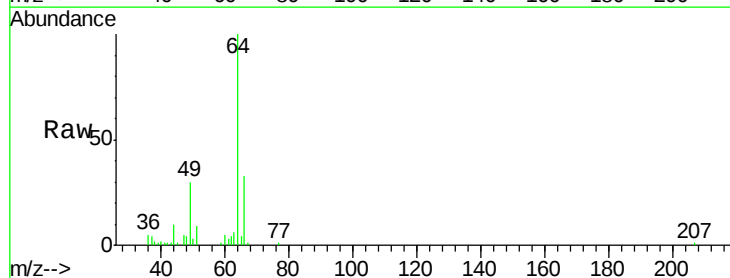
Acq: 9 Oct 2020 19:13

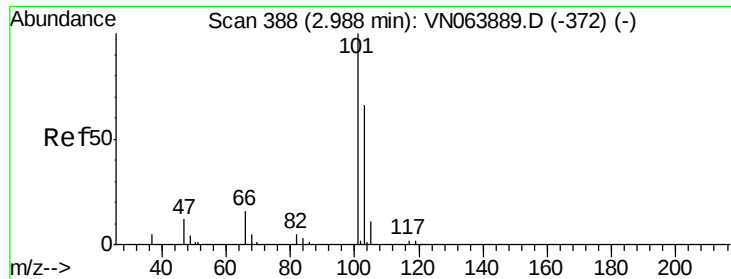
Tgt Ion: 64 Resp: 38118

Ion Ratio Lower Upper

64 100

66 32.1 25.8 38.8





#7

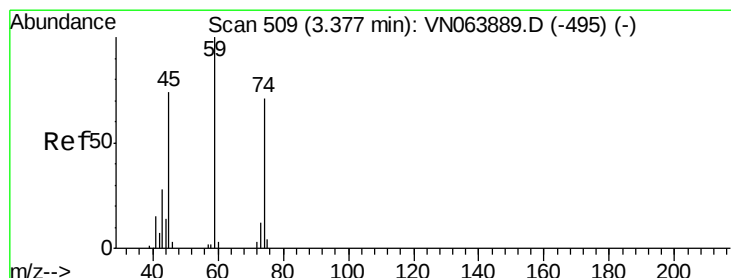
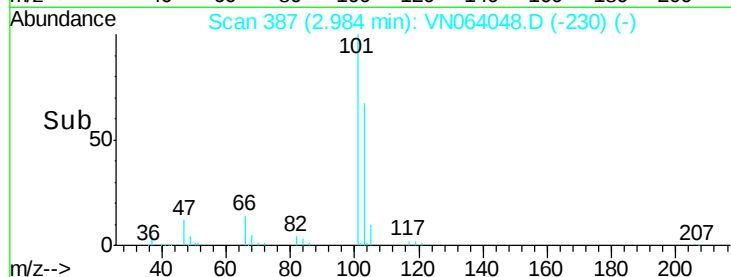
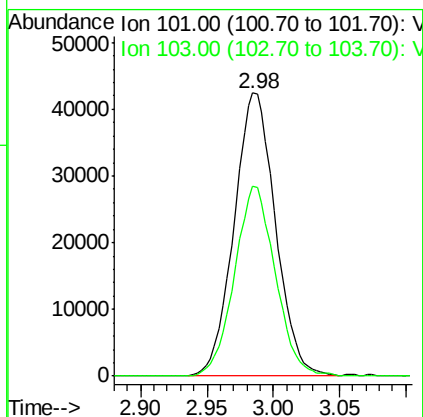
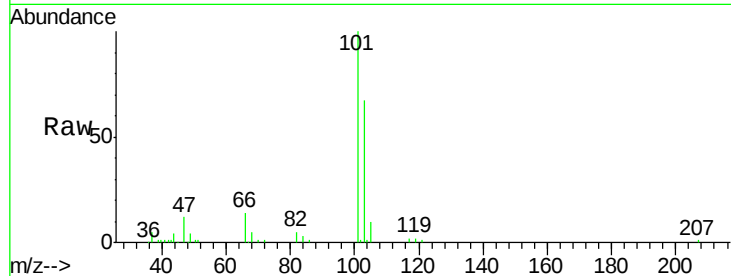
Trichlorofluoromethane
Concen: 16.329 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.01 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

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ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.9	77.9

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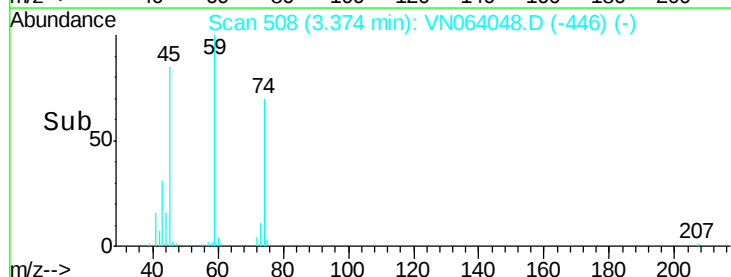
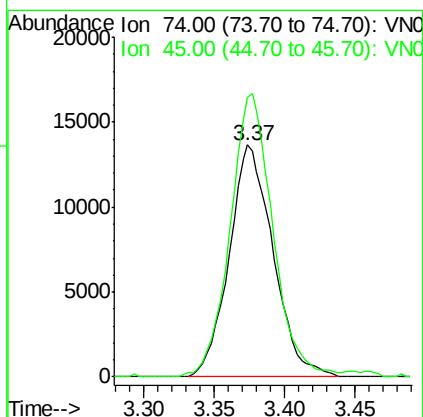
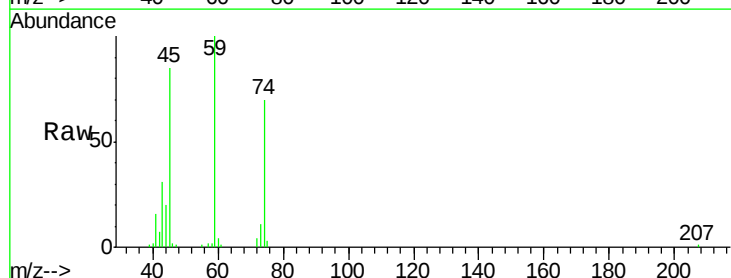
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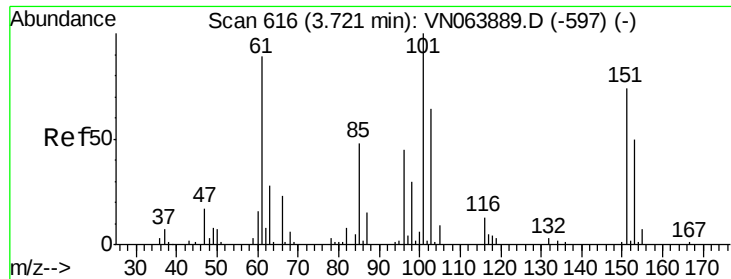


#8

Diethyl Ether
Concen: 16.355 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.6	20.6	185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.351 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

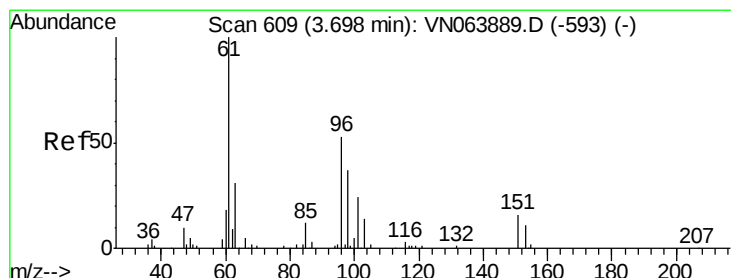
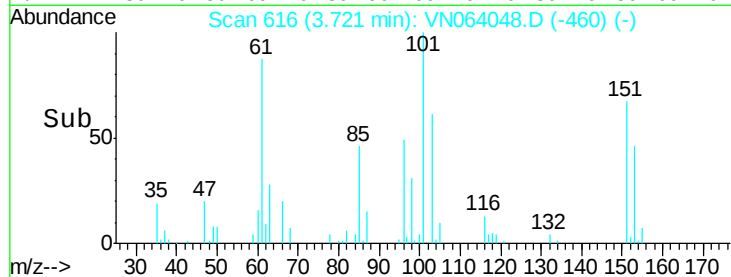
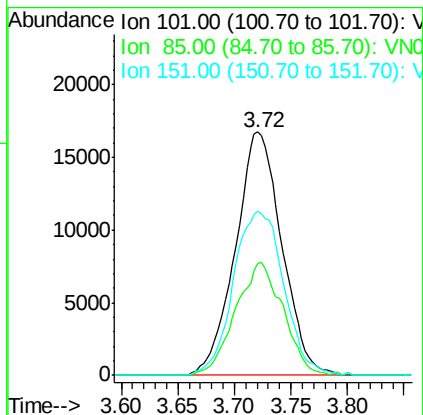
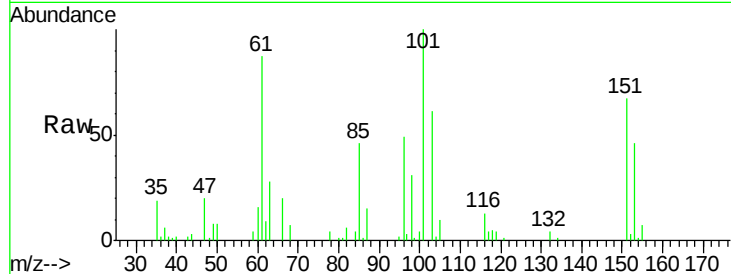
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	47839
Ion Ratio	Lower	Upper	
101	100		
85	47.3	0.0	85.0
151	72.9	0.0	161.6

Manual Integrations
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MMDadoda
10/12/2020 2:10:10 PM



#10

1,1-Dichloroethene

Concen: 16.465 ug/l

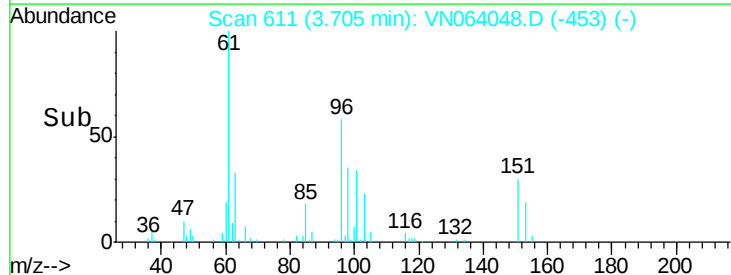
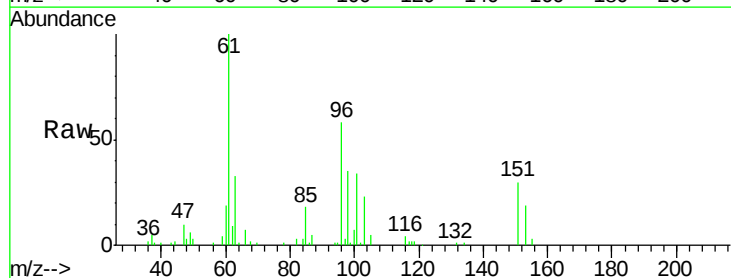
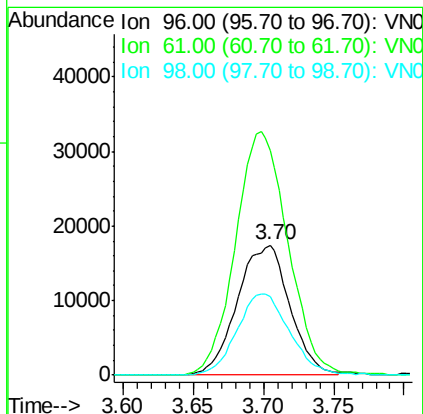
RT: 3.70 min Scan# 611

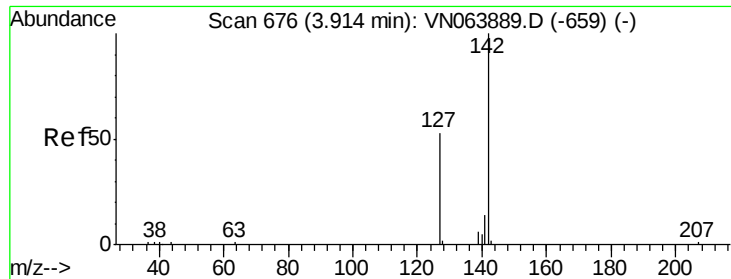
Delta R.T. 0.01 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Tgt Ion:	96	Resp:	45226
Ion Ratio	Lower	Upper	
96	100		
61	172.0	130.8	196.2
98	60.9	49.0	73.4





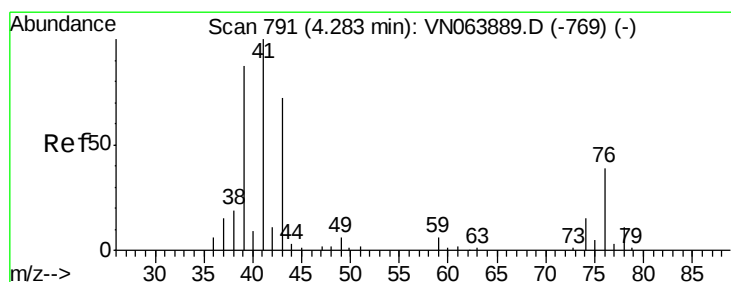
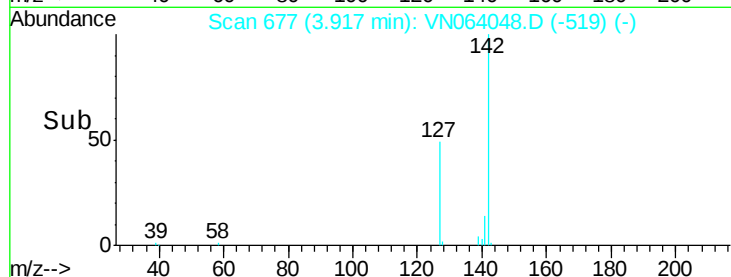
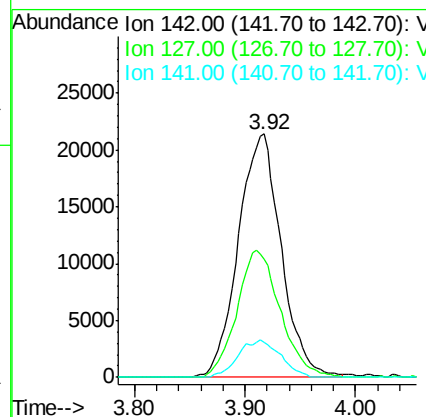
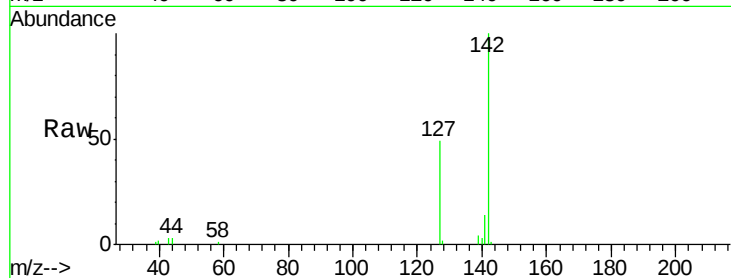
#11
Methyl Iodide
Concen: 16.437 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.1	20.9	62.8
141	14.4	6.7	20.1

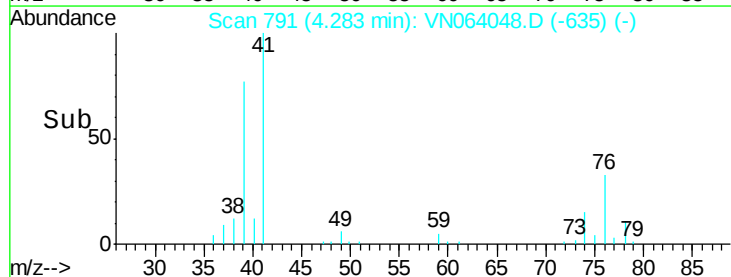
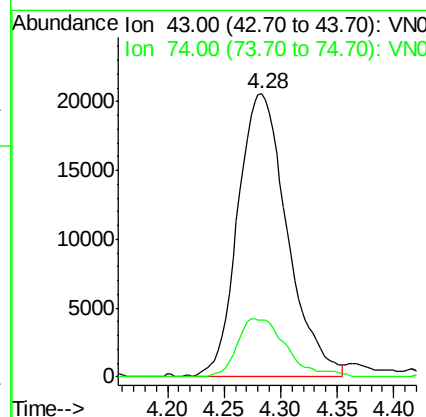
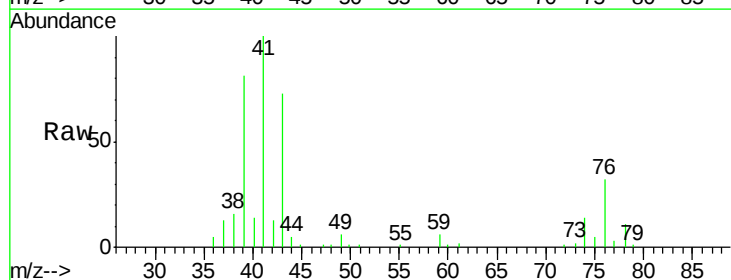
Manual Integrations
APPROVED

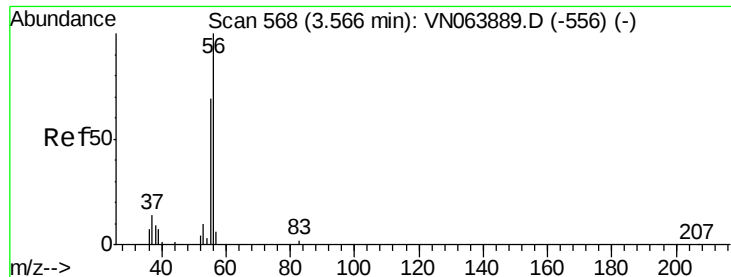
MMDadoda
10/12/2020 2:10:10 PM



#12
Methyl Acetate
Concen: 18.509 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	18.6	27.8





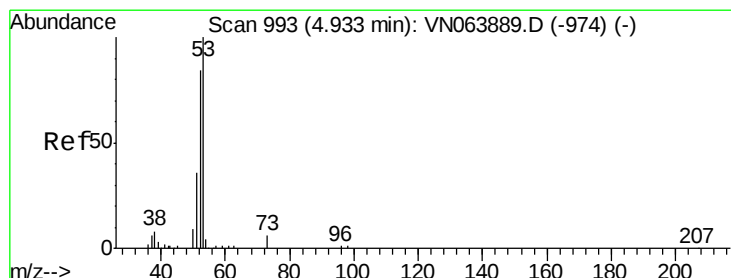
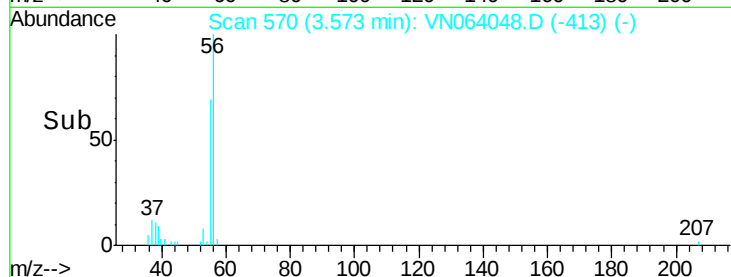
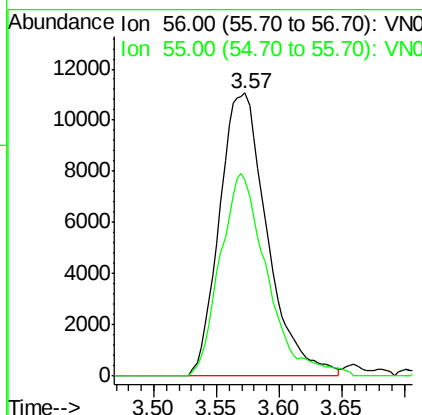
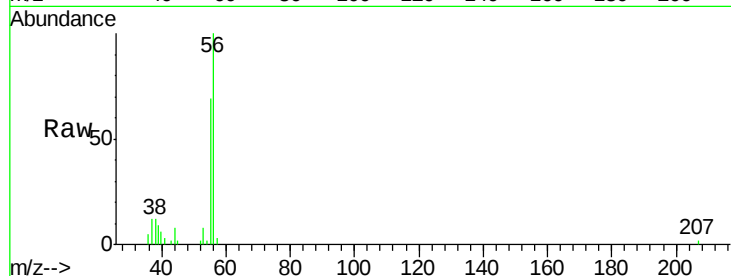
#13
Acrolein
Concen: 89.217 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	56	Resp	29357
Ion Ratio	100	Lower	Upper
56	100		
55	66.7	58.7	88.1

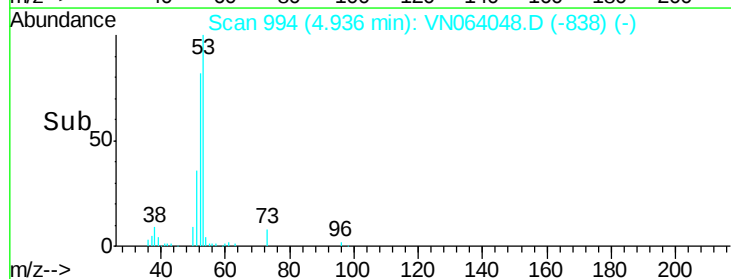
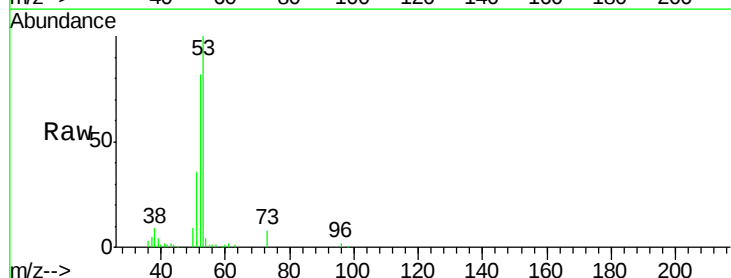
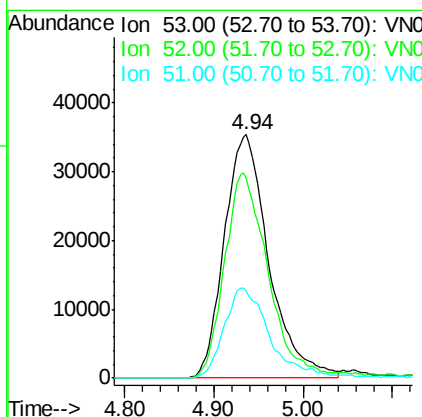
Manual Integrations
APPROVED

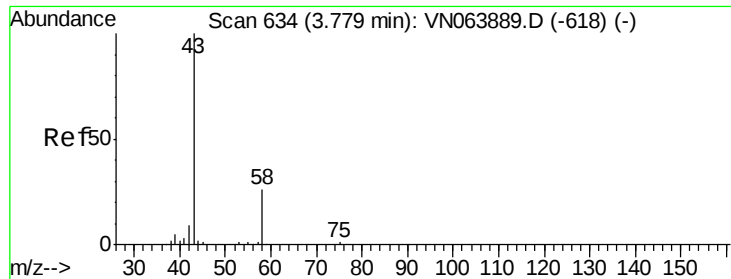
MMDadoda
10/12/2020 2:10:10 PM



#14
Acrylonitrile
Concen: 88.211 ug/l
RT: 4.94 min Scan# 994
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	53	Resp	122607
Ion Ratio	100	Lower	Upper
53	100		
52	82.0	39.9	119.7
51	36.1	17.0	51.0





#15

Acetone

Concen: 81.998 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 32991

Ion Ratio Lower Upper

58 100

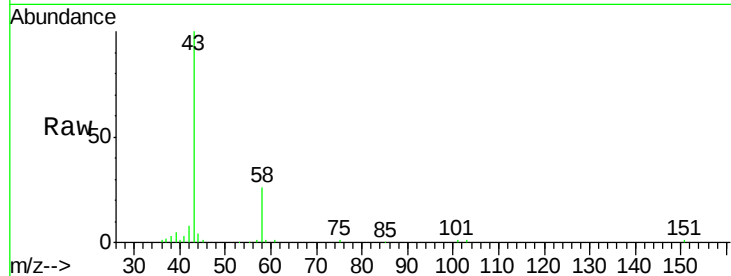
43 377.4 233.2 349.8#

Manual Integrations

APPROVED

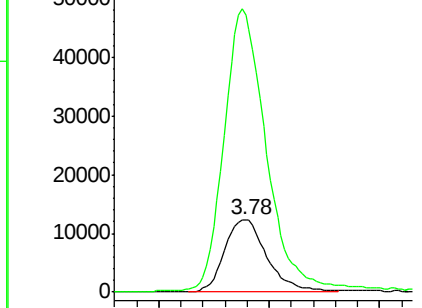
MMDadoda

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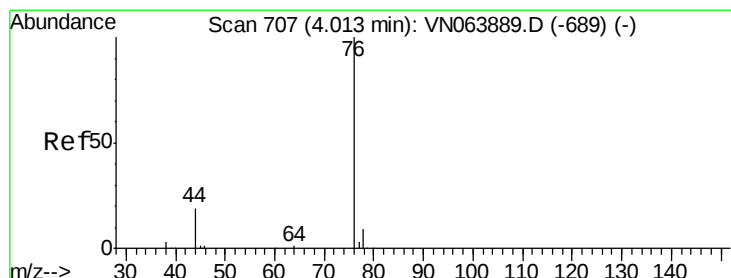
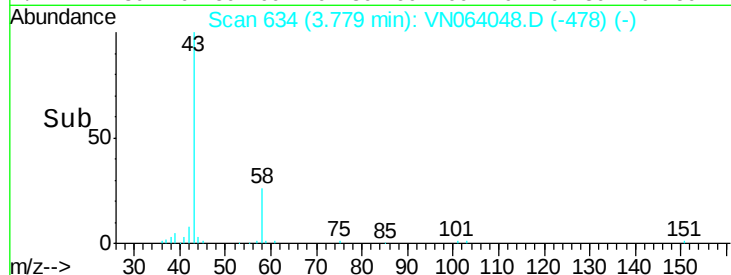


Abundance Ion 58.00 (57.70 to 58.70): VN063889.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-618) (-)



Time-->



#16

Carbon Disulfide

Concen: 16.617 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064048.D

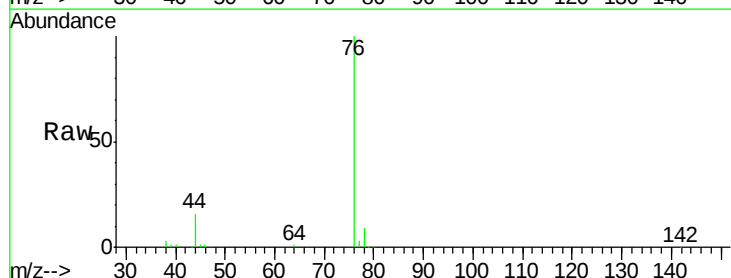
Acq: 9 Oct 2020 19:13

Tgt Ion: 76 Resp: 135360

Ion Ratio Lower Upper

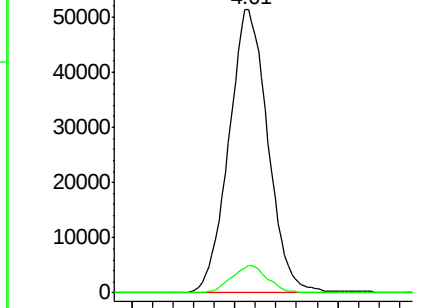
76 100

78 9.0 7.0 10.4

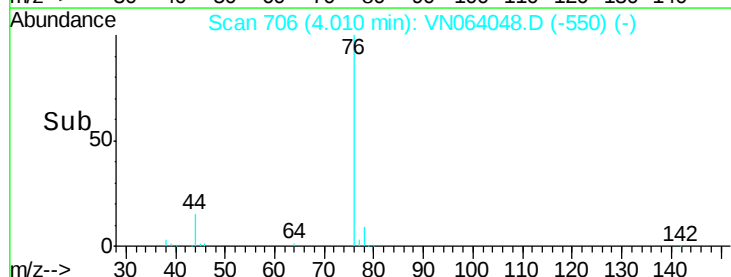


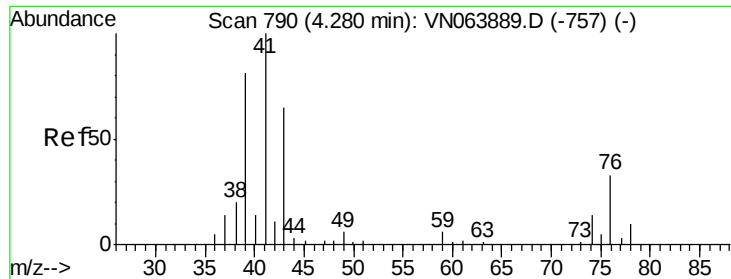
Abundance Ion 76.00 (75.70 to 76.70): VN063889.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN063889.D (-689) (-)



Time-->





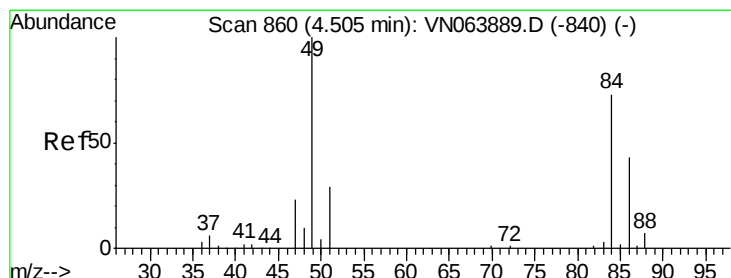
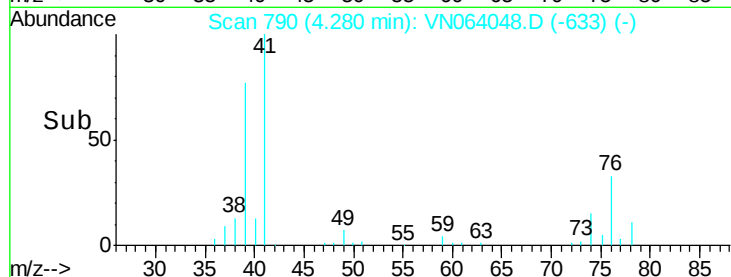
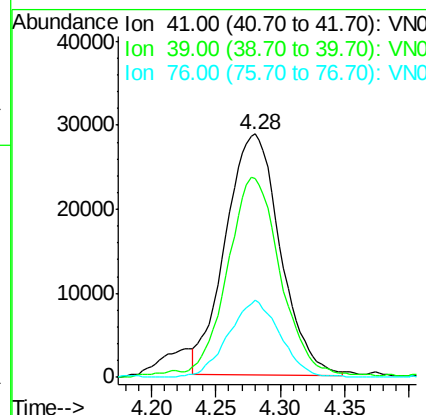
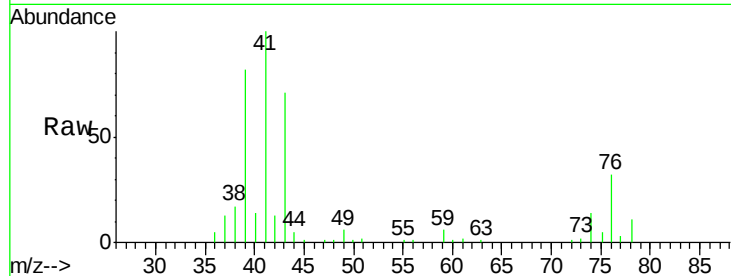
#17
Allvl chloride
Concen: 16.494 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.7	33.8	101.4
76	31.7	19.4	58.4

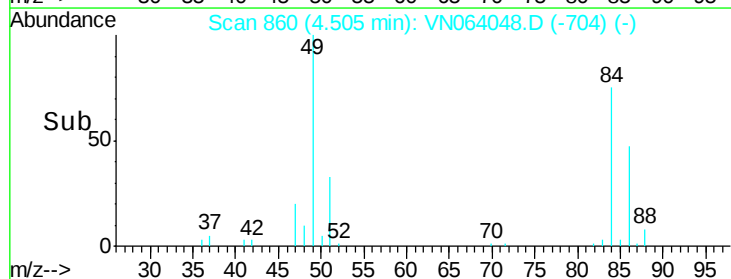
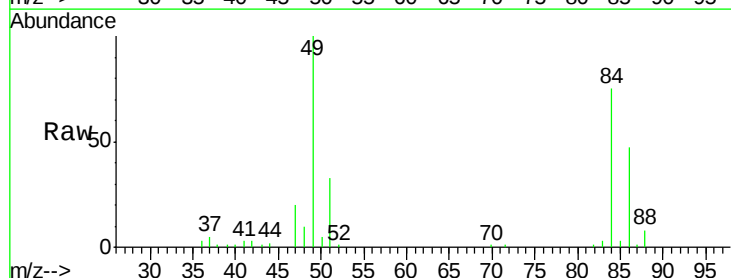
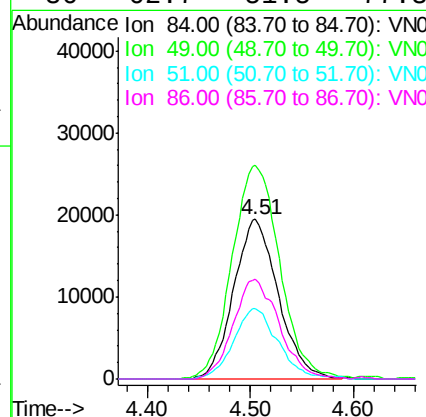
Manual Integrations
APPROVED

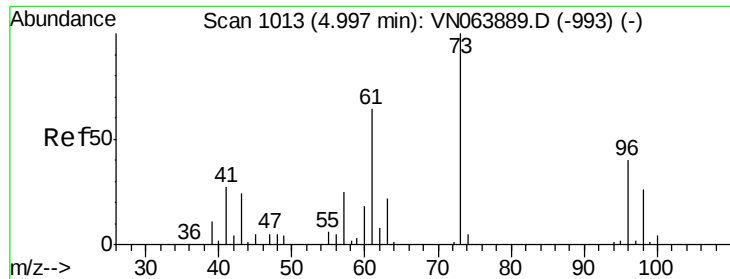
MMDadoda
10/12/2020 2:10:10 PM



#18
Methylene Chloride
Concen: 17.768 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.9	97.8	146.8
51	44.0	30.7	46.1
86	62.7	51.5	77.3





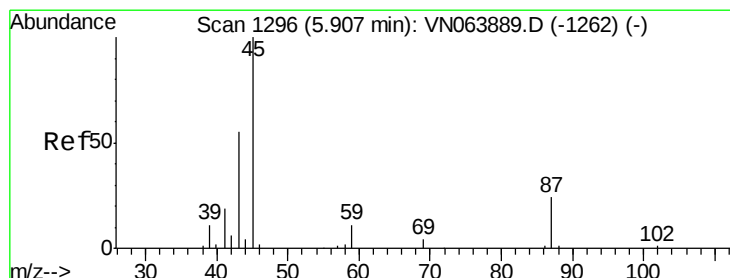
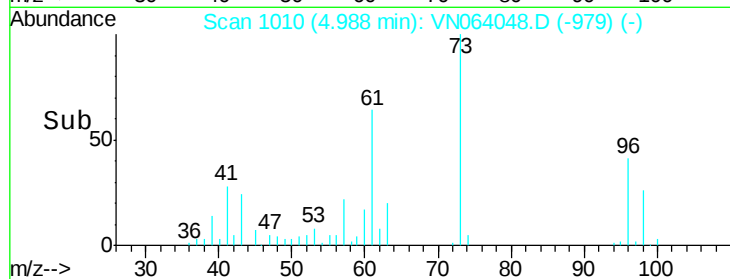
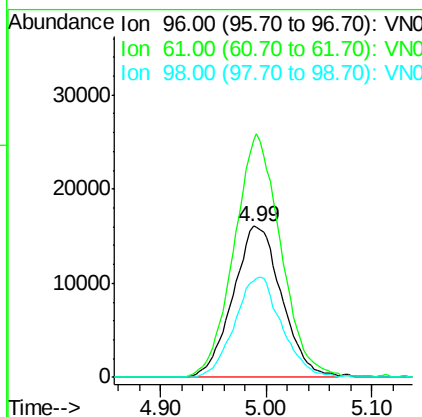
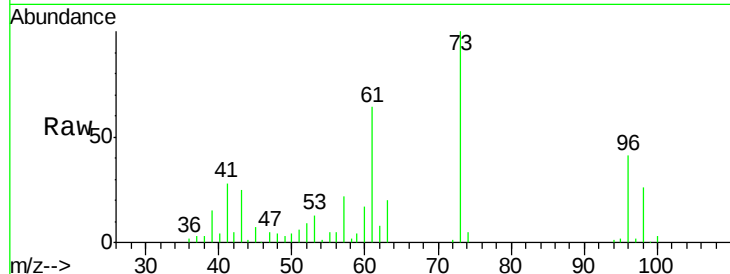
#19
trans-1,2-Dichloroethene
Concen: 16.591 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.0	115.9	173.9
98	63.8	53.3	79.9

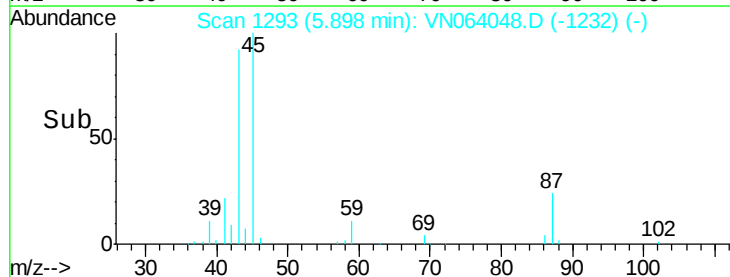
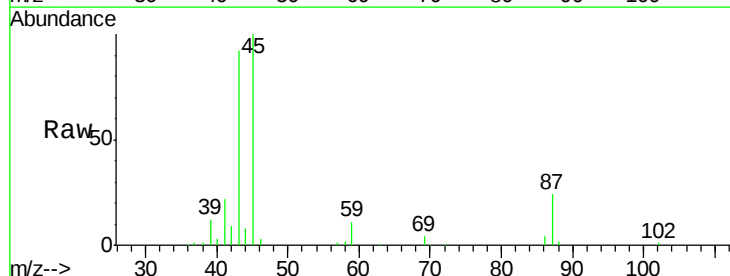
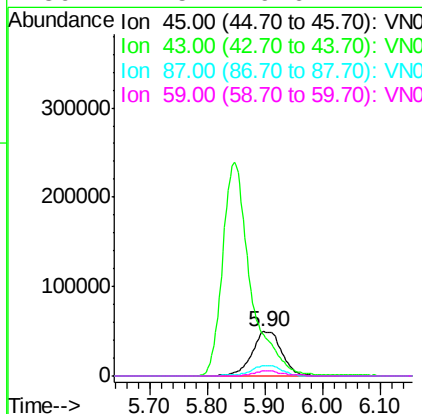
Manual Integrations
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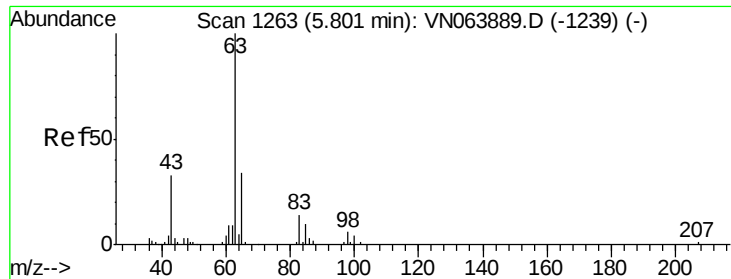
MMDadoda
10/12/2020 2:10:10 PM



#20
Diisopropyl ether
Concen: 17.402 ug/l m
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	91.6	51.8	77.6#
87	24.0	21.8	32.6
59	11.5	9.6	14.4





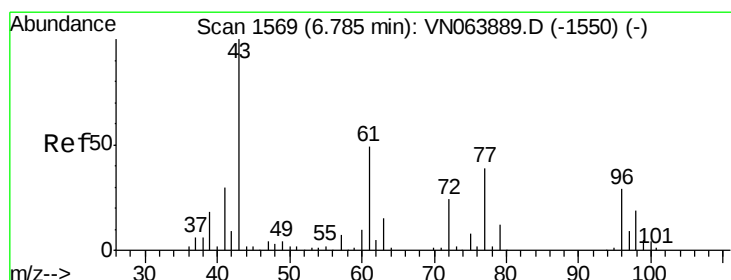
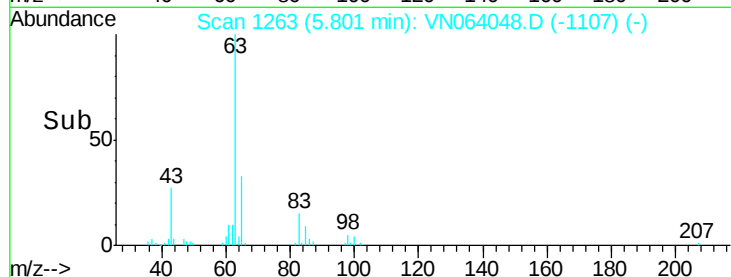
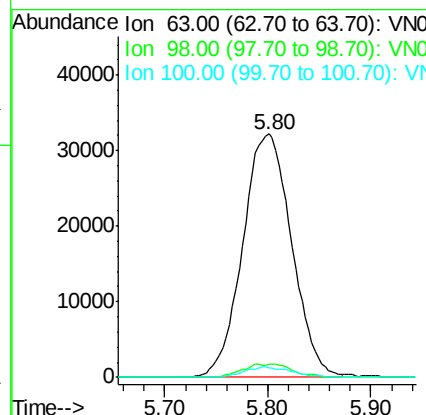
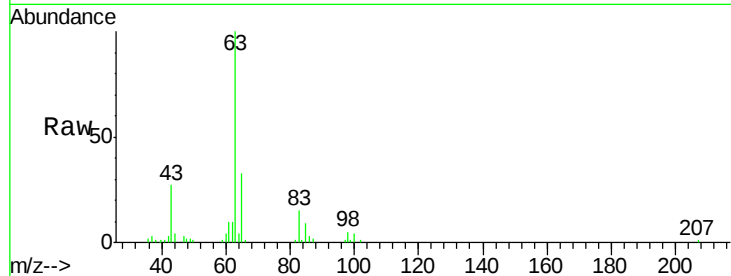
#21
 1,1-Dichloroethane
 Concen: 17.032 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.5	3.1	9.3	
100	4.1	1.8	5.3	

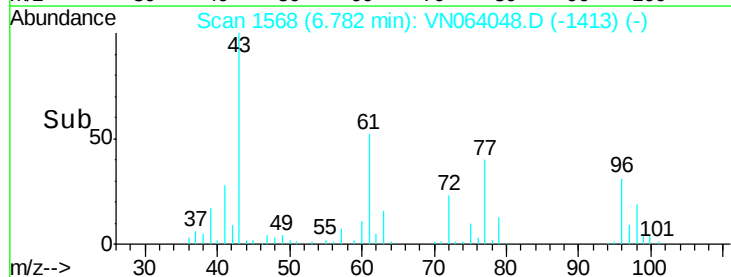
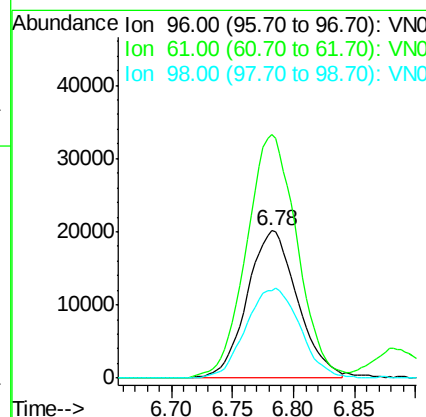
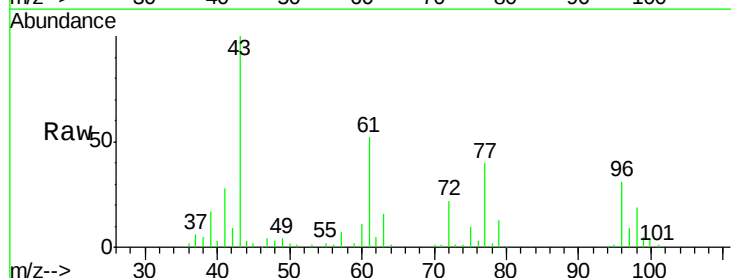
Manual Integrations
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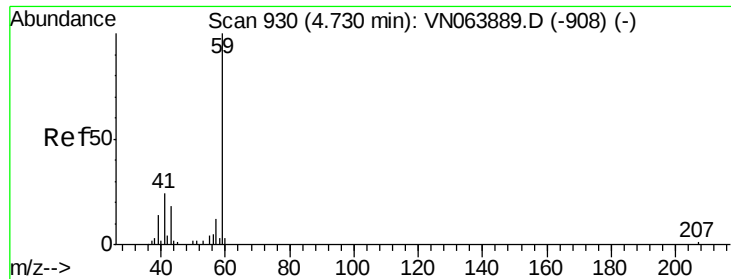
MMDadoda
 10/12/2020 2:10:10 PM



#22
 cis-1,2-Dichloroethene
 Concen: 16.354 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.7	120.9	181.3	
98	65.3	50.3	75.5	





#23

tert-Butyl Alcohol

Concen: 77.842 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.02 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 59 Resp: 46410

Ion Ratio Lower Upper

59 100

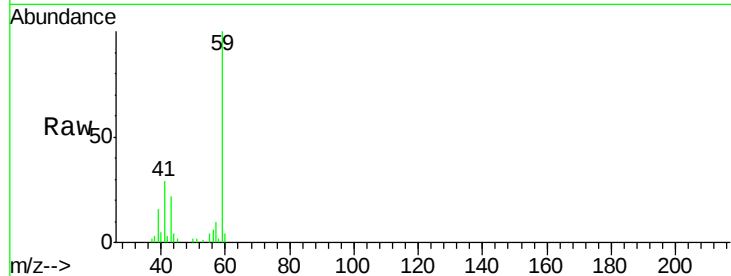
52 0.0 0.0 0.0

Manual Integrations

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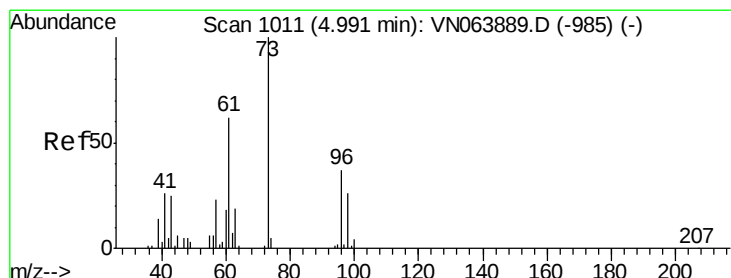
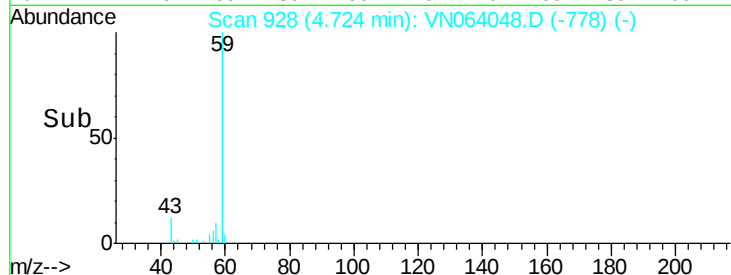
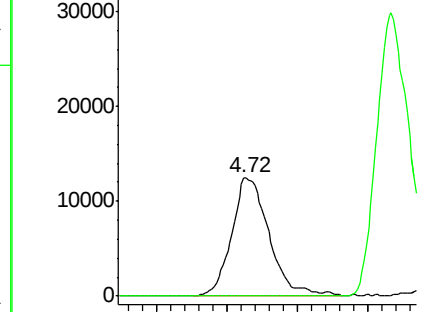
MMDadoda

10/12/2020 2:10:10 PM



Abundance Ion 59.00 (58.70 to 59.70): VN063889.D (-908) (-)

Ion 52.00 (51.70 to 52.70): VN063889.D (-908) (-)



#24

Methyl tert-Butyl Ether

Concen: 15.919 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064048.D

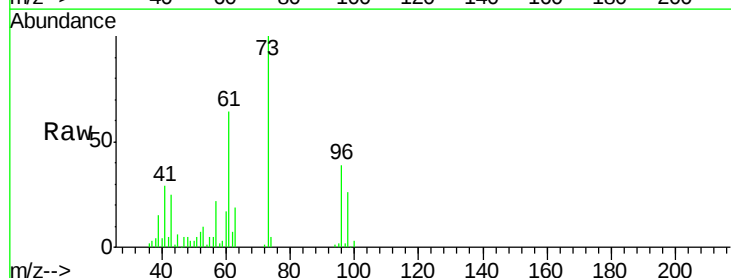
Acq: 9 Oct 2020 19:13

Tgt Ion: 73 Resp: 146698

Ion Ratio Lower Upper

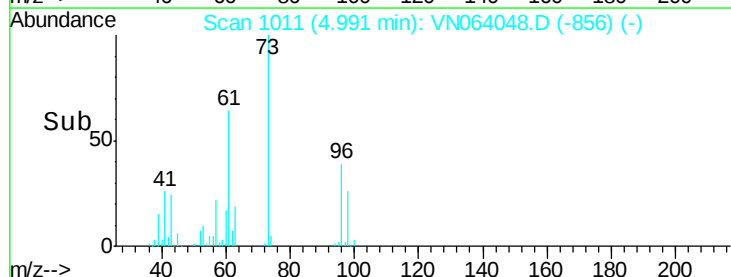
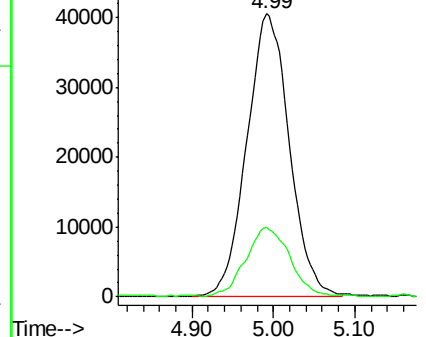
73 100

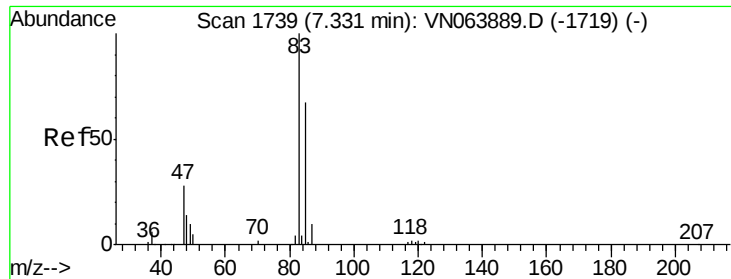
43 25.5 15.8 23.6#



Abundance Ion 73.00 (72.70 to 73.70): VN063889.D (-985) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-985) (-)





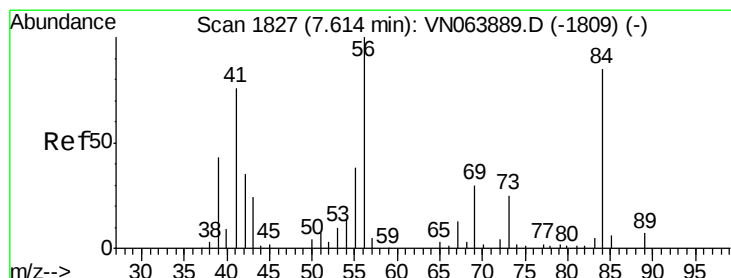
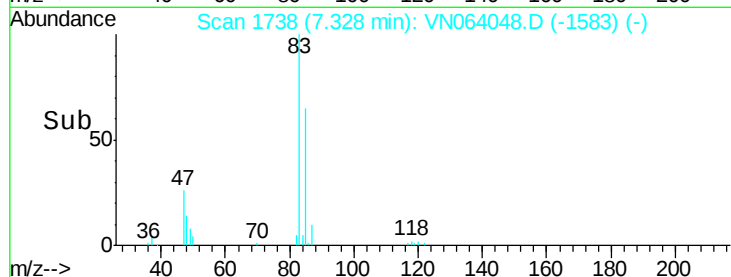
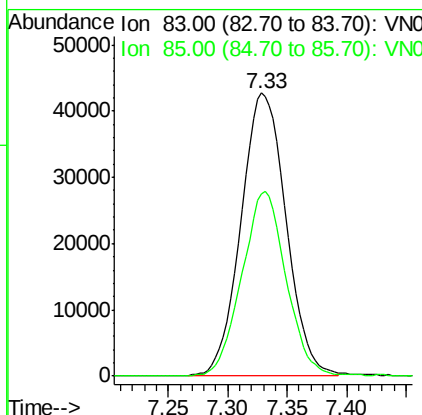
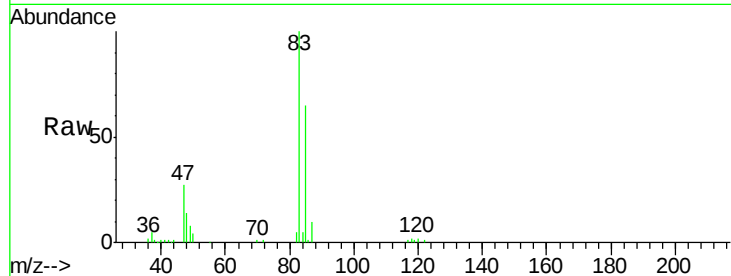
#25
Chloroform
Concen: 17.211 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	112279
Ion Ratio	100	Lower	Upper
85	64.6	51.0	76.4

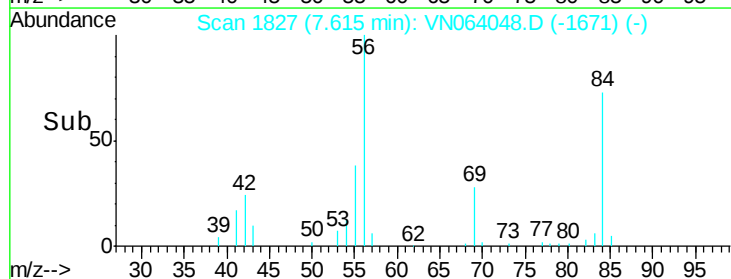
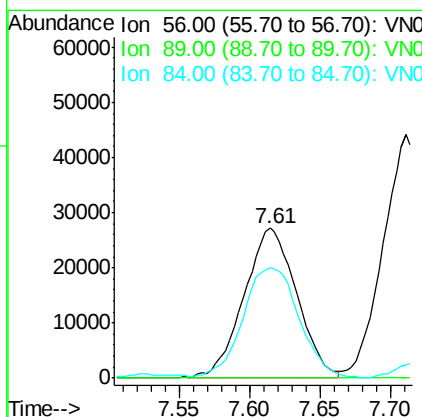
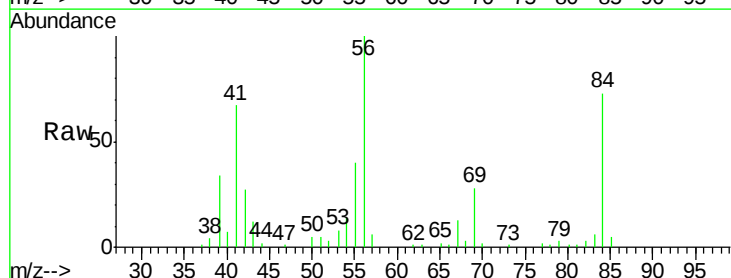
Manual Integrations
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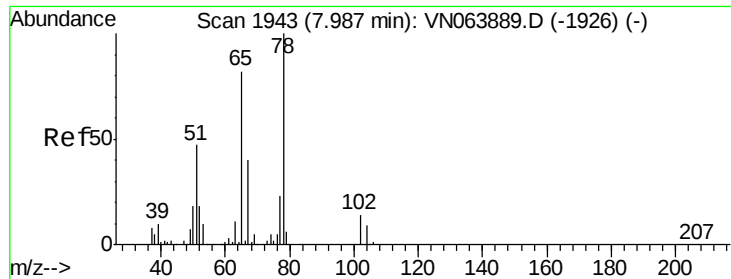
MMDadoda
10/12/2020 2:10:10 PM



#26
Cyclohexane
Concen: 15.836 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	56	Resp	70970
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	78.4	65.0	97.4





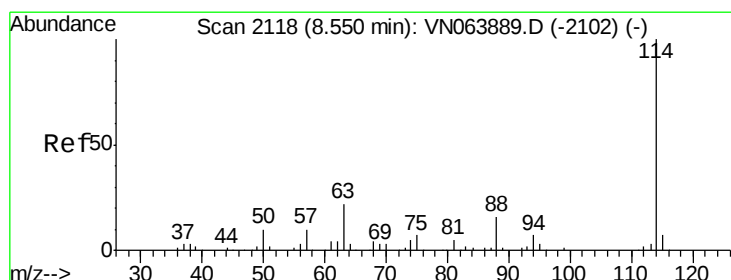
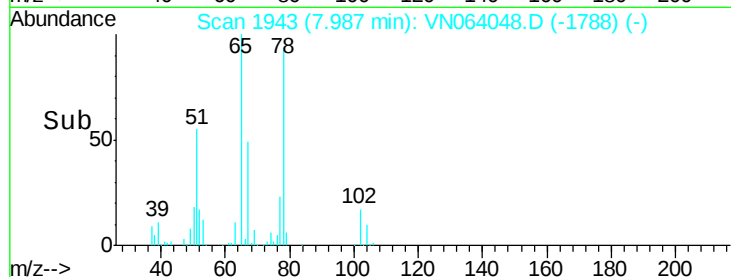
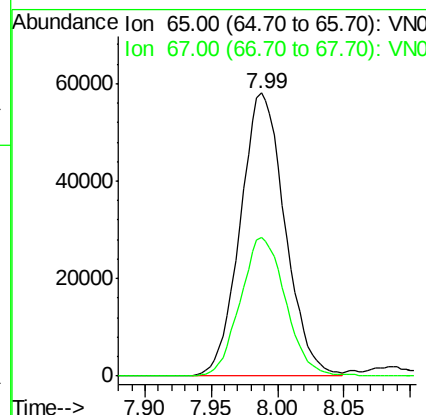
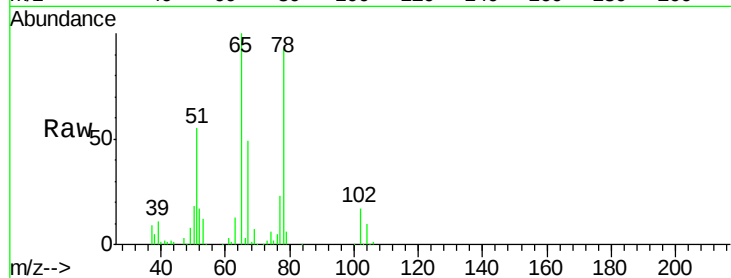
#27
 1,2-Dichloroethane-d4
 Concen: 29.578 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 135979
 Ion Ratio Lower Upper
 65 100
 67 49.4 43.8 65.6

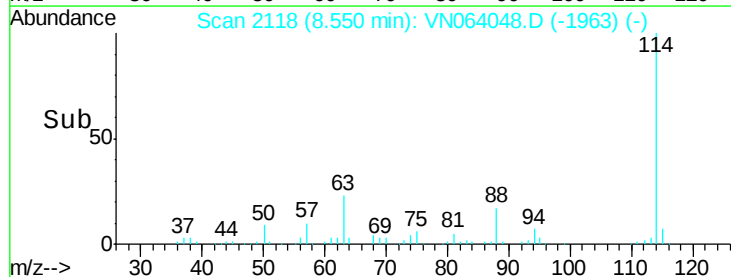
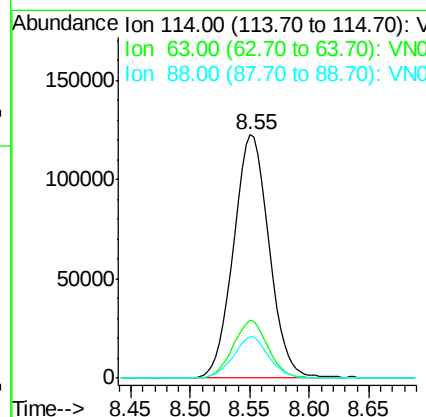
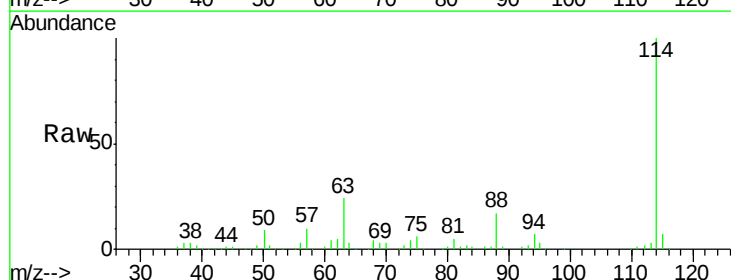
Manual Integrations
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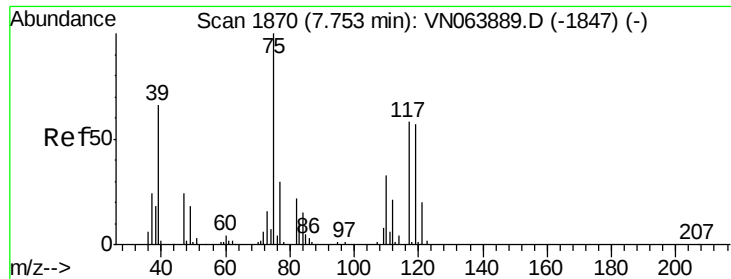
MMDadoda
 10/12/2020 2:10:10 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion: 114 Resp: 254803
 Ion Ratio Lower Upper
 114 100
 63 23.3 17.0 25.6
 88 16.7 12.6 18.8





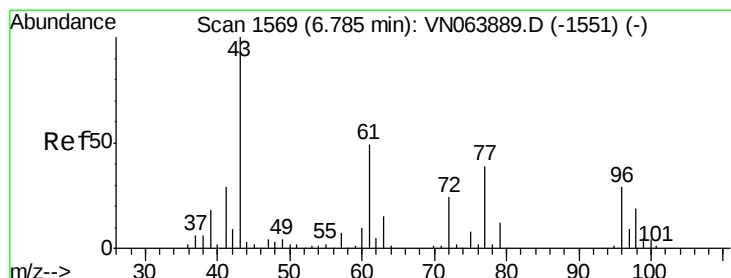
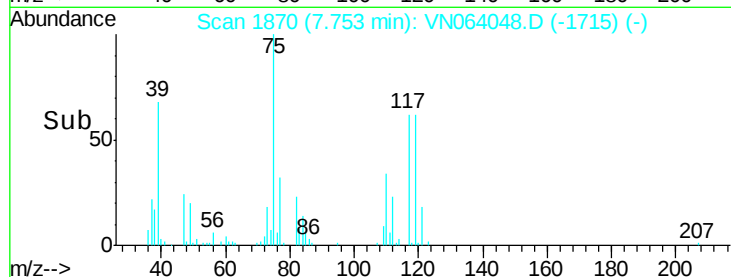
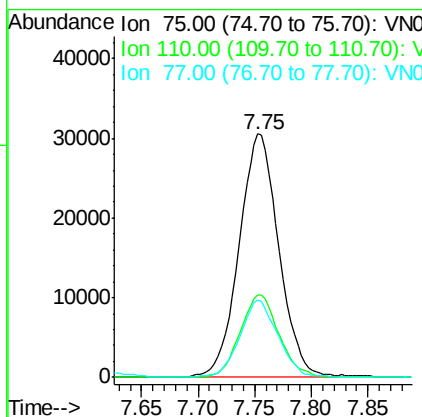
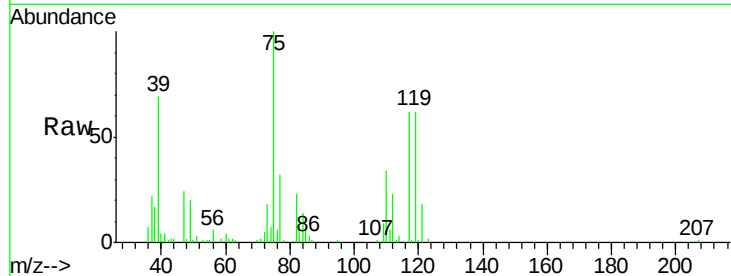
#29
 1,1-Dichloropropene
 Concen: 16.717 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.8	0.0	70.6
77	30.5	0.0	60.2

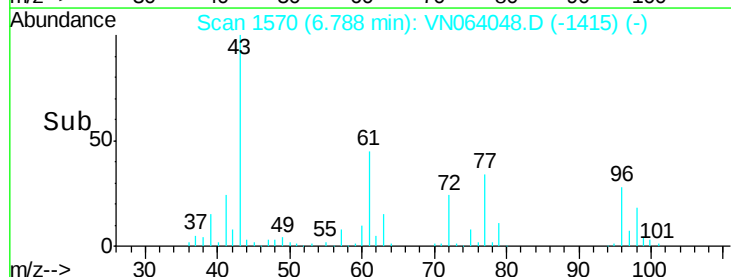
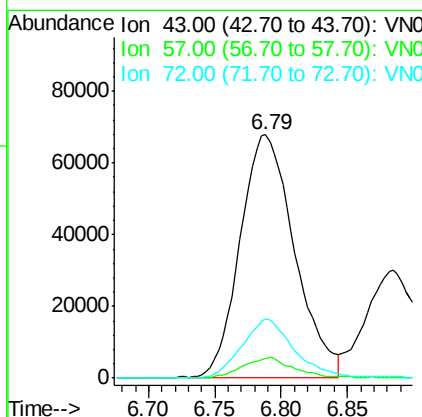
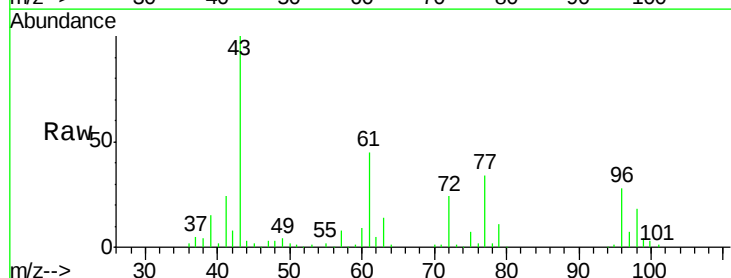
Manual Integrations
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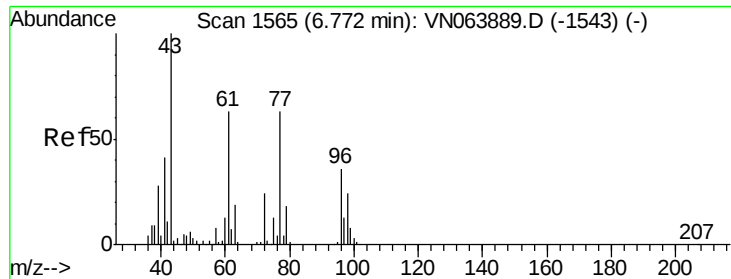
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#30
 2-Butanone
 Concen: 88.029 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.6	9.8
72	23.4	21.3	31.9





#31

2,2-Dichloropropane

Concen: 16.082 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 85762

Ion Ratio Lower Upper

77 100

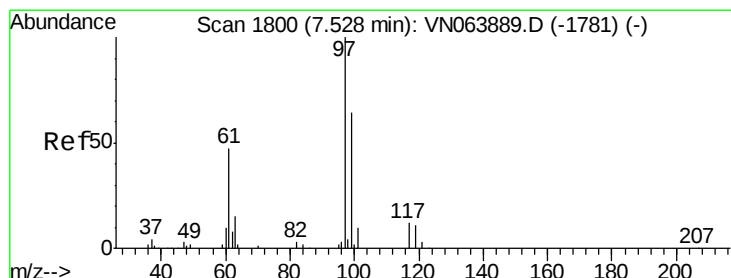
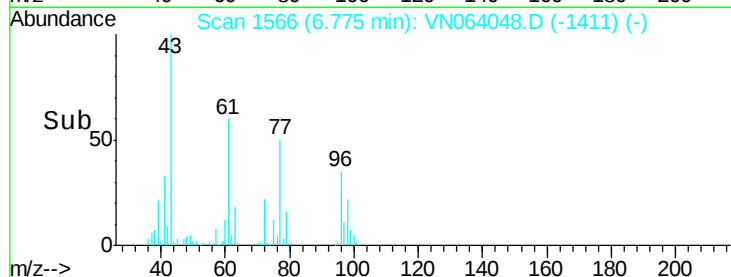
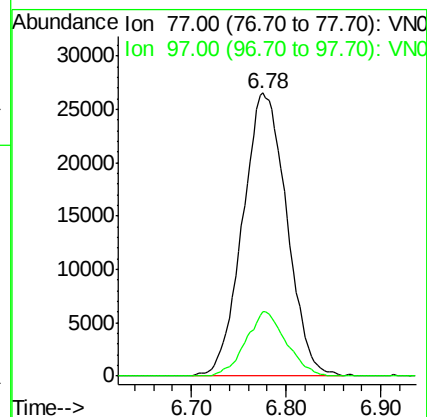
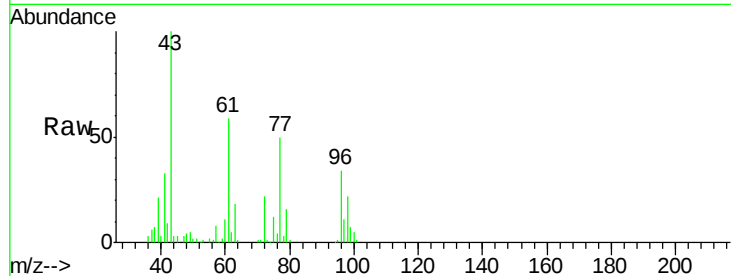
97 20.9 18.2 27.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 16.654 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

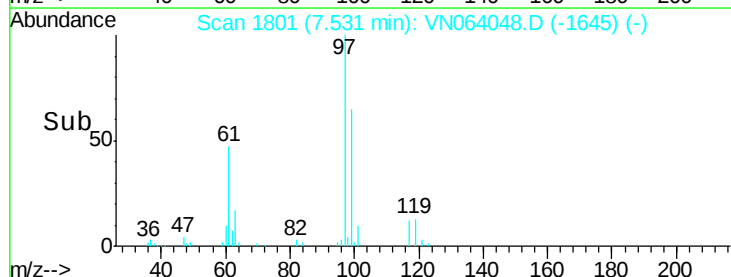
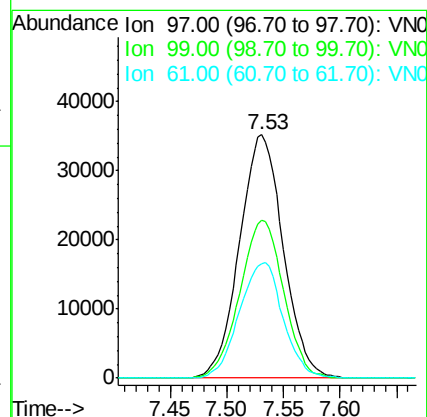
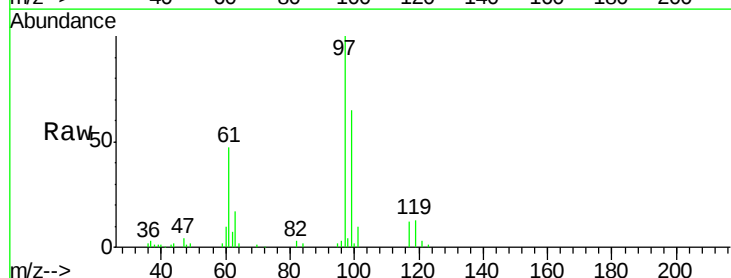
Tgt Ion: 97 Resp: 94804

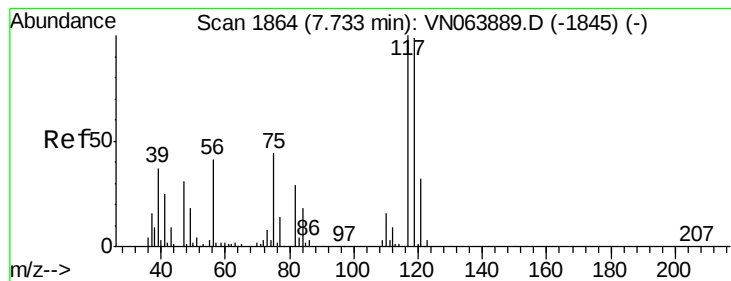
Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

61 47.5 35.3 52.9





#33

Carbon Tetrachloride

Concen: 16.309 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:117 Resp: 81340

Ion Ratio Lower Upper

117 100

119 97.8 73.0 109.4

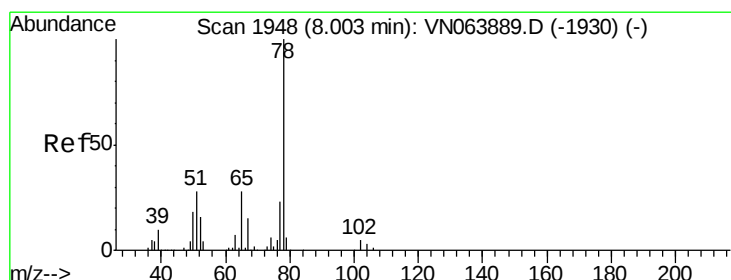
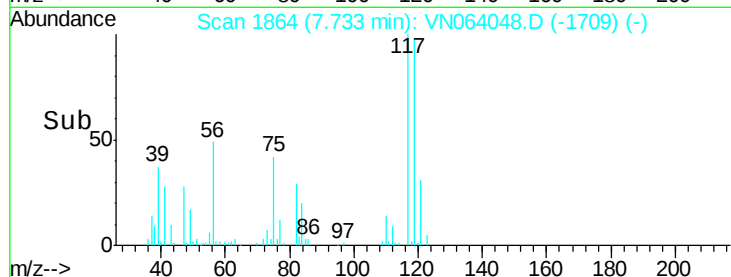
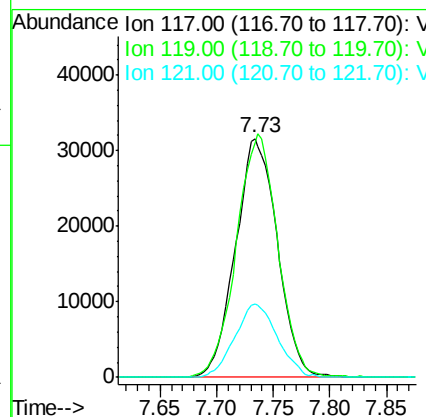
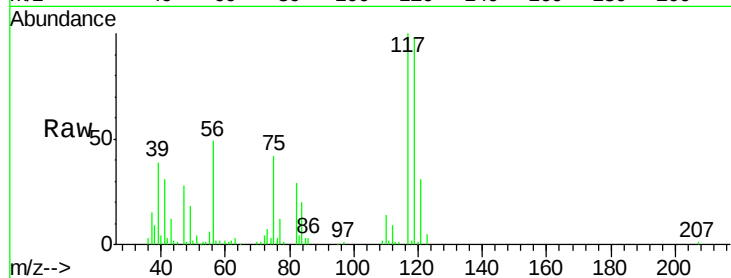
121 30.6 24.9 37.3

Manual Integrations

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#34

Benzene

Concen: 17.859 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

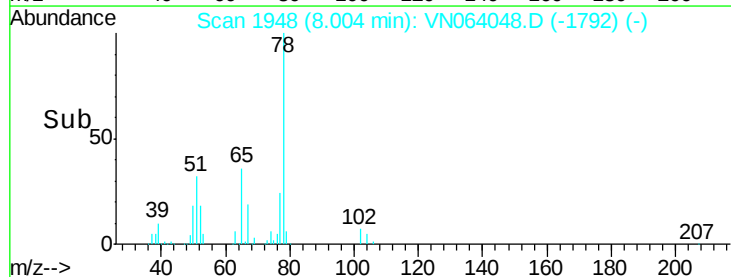
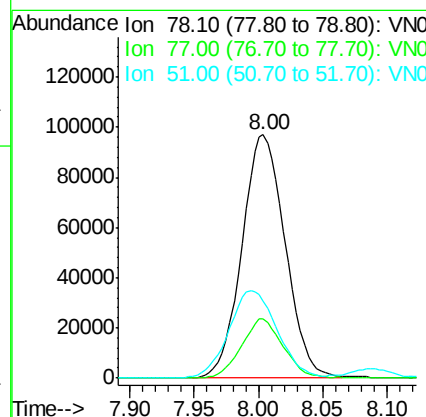
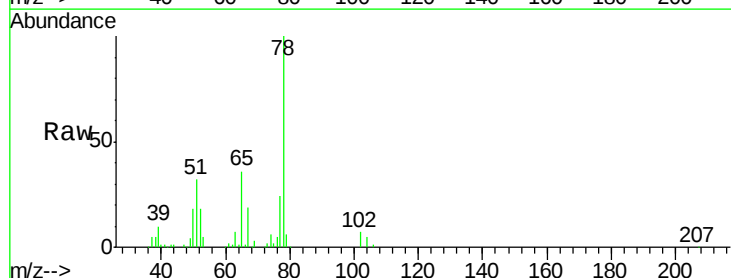
Tgt Ion: 78 Resp: 226571

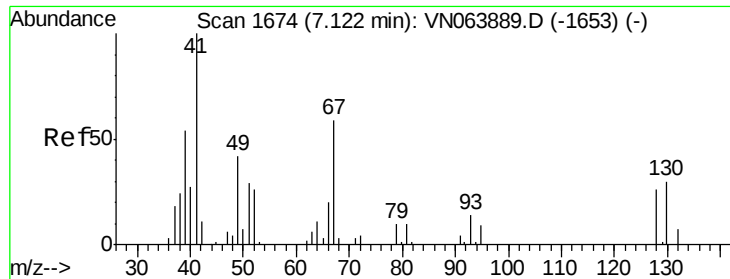
Ion Ratio Lower Upper

78 100

77 24.4 18.6 27.8

51 31.3 22.2 33.2





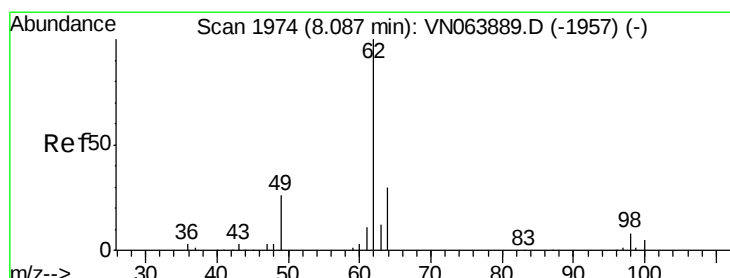
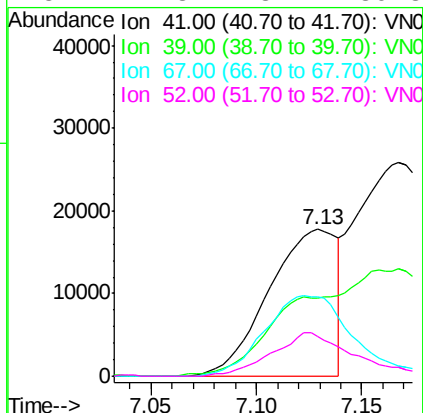
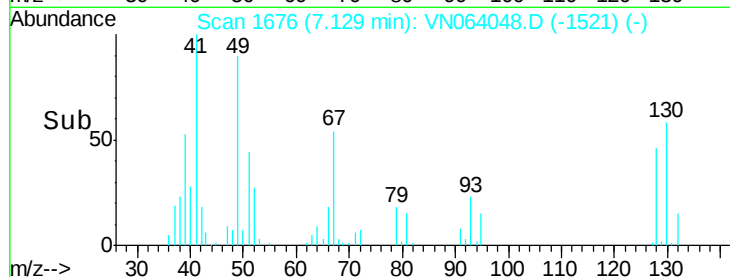
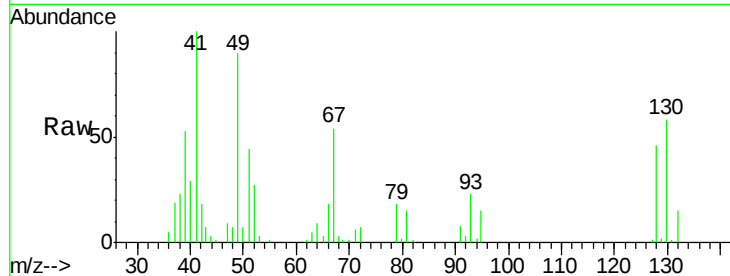
#35
Methacrylonitrile
Concen: 19.135 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.5	23.7	71.1
67	53.9	31.6	94.7
52	27.3	13.1	39.3

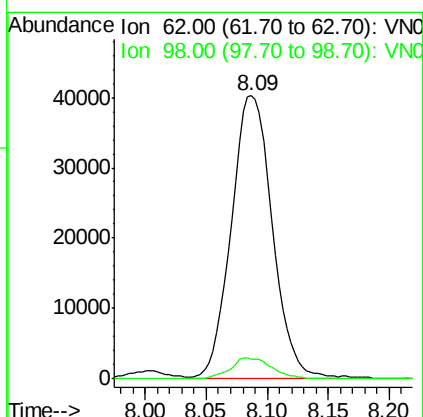
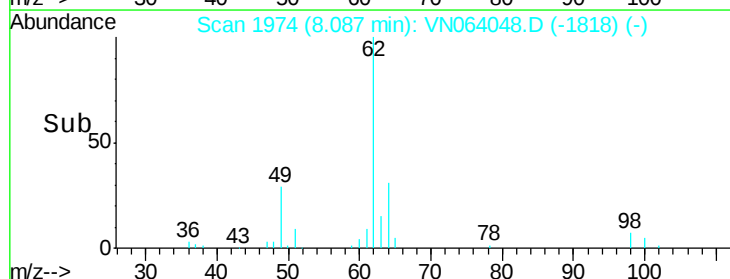
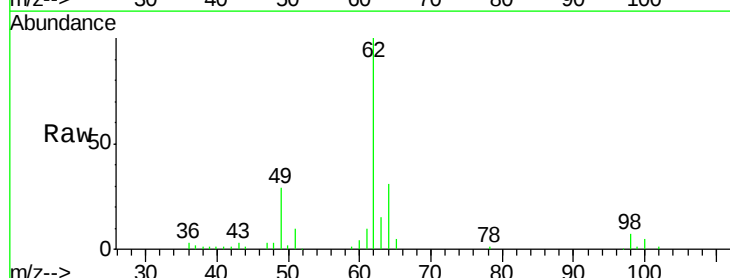
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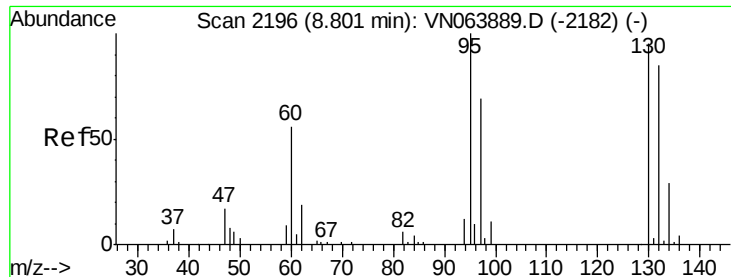
MMDadoda
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#36
1,2-Dichloroethane
Concen: 16.870 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.0	7.6	11.4#





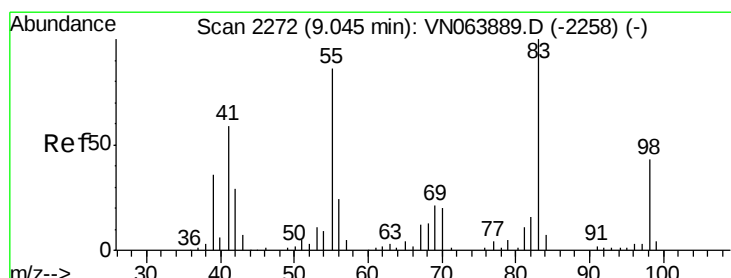
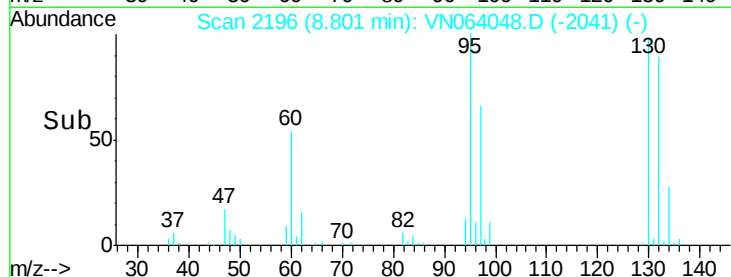
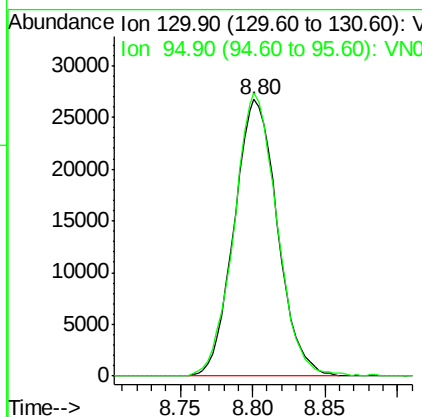
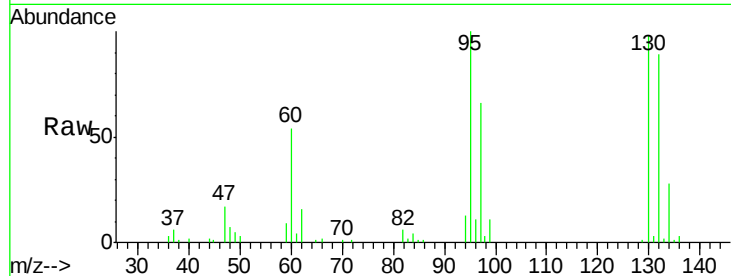
#37
 Trichloroethene
 Concen: 16.706 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 55533
 Ion Ratio Lower Upper
 130 100
 95 102.2 78.9 118.3

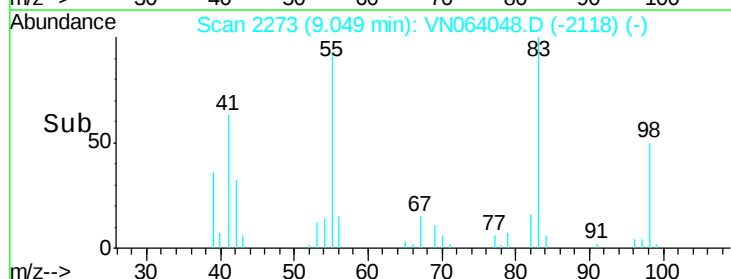
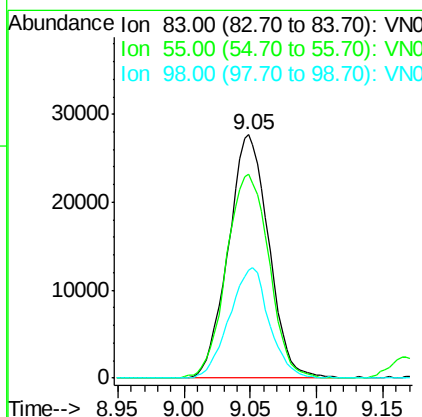
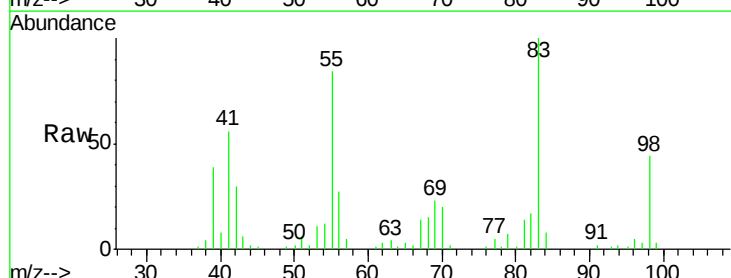
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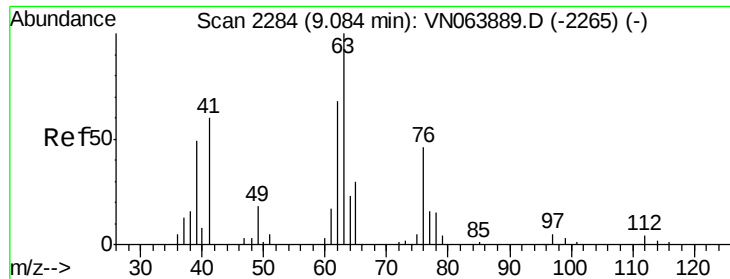
MMDadoda
 10/12/2020 2:10:10 PM



#38
 Methylcyclohexane
 Concen: 15.574 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion: 83 Resp: 58675
 Ion Ratio Lower Upper
 83 100
 55 88.3 41.9 125.7
 98 44.6 22.2 66.6





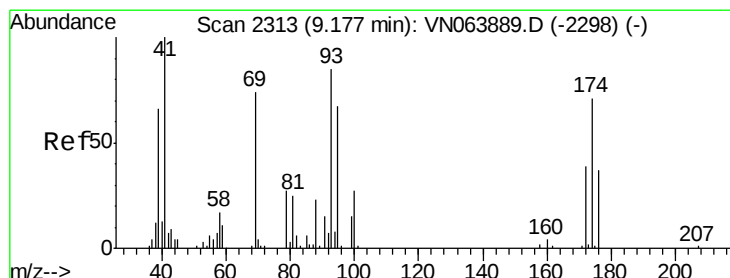
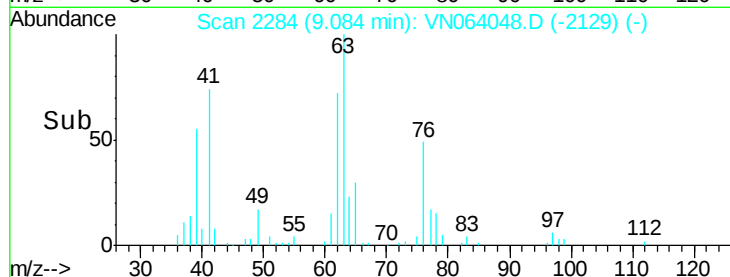
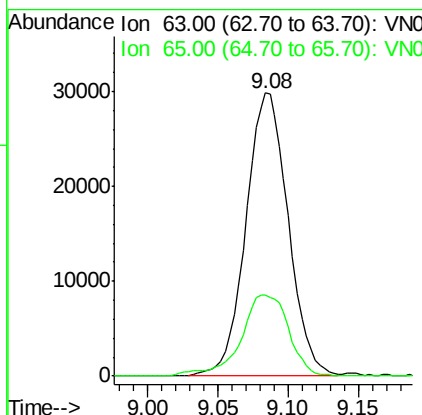
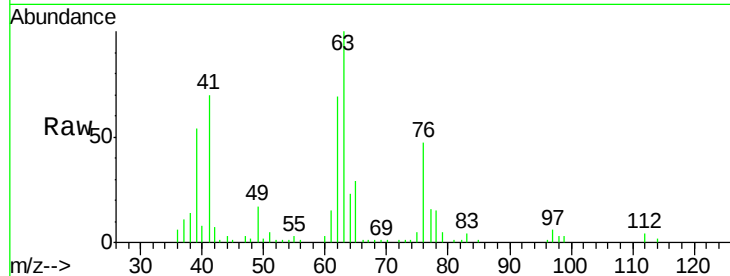
#39
 1,2-Dichloropropane
 Concen: 18.154 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 62580
 Ion Ratio Lower Upper
 63 100
 65 28.6 25.1 37.7

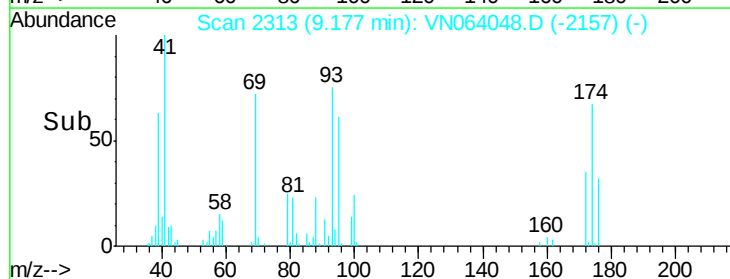
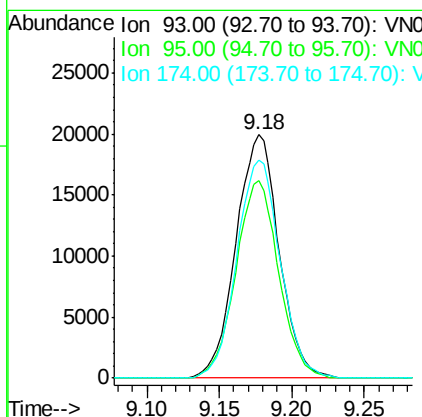
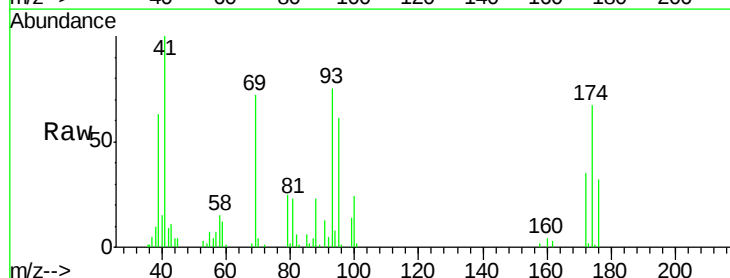
Manual Integrations
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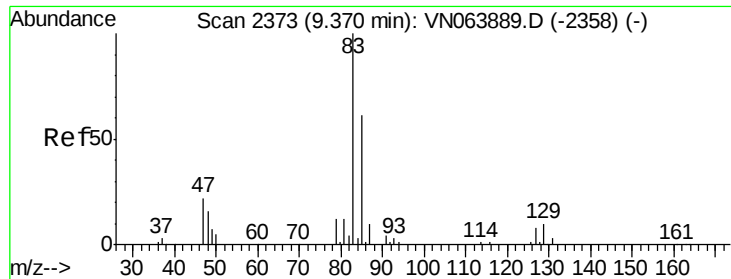
MMDadoda
 10/12/2020 2:10:10 PM



#40
 Dibromomethane
 Concen: 17.094 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion: 93 Resp: 41155
 Ion Ratio Lower Upper
 93 100
 95 80.4 0.0 168.2
 174 90.5 0.0 208.4





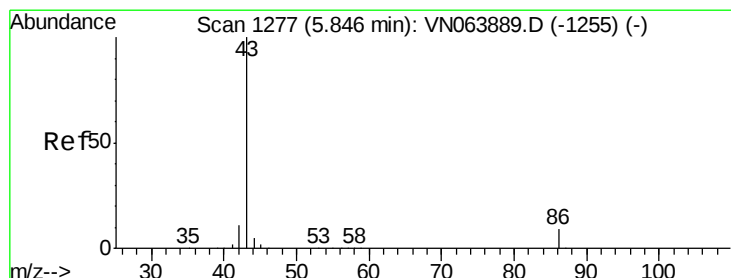
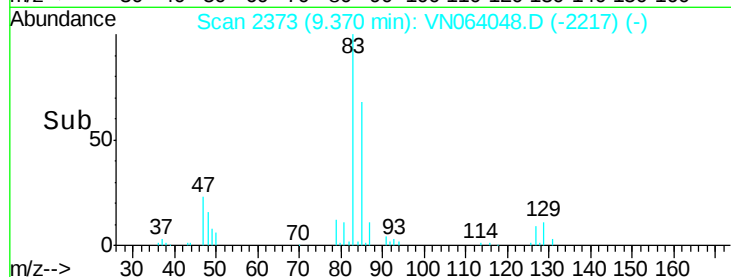
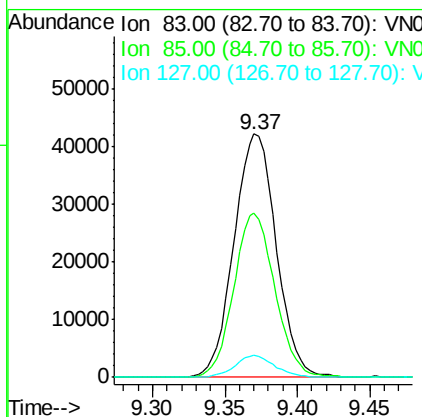
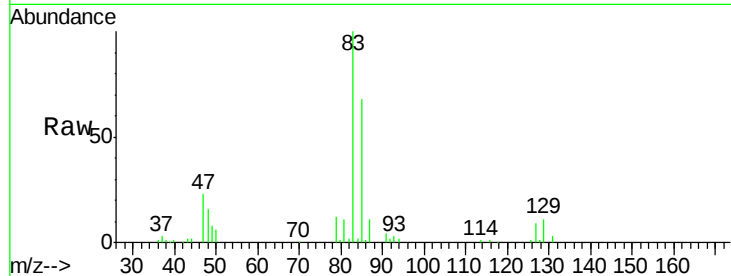
#41
Bromodichloromethane
Concen: 17.079 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	85463
Ion Ratio	100	Lower	Upper
83	100		
85	67.6	52.6	79.0
127	10.0	7.4	11.0

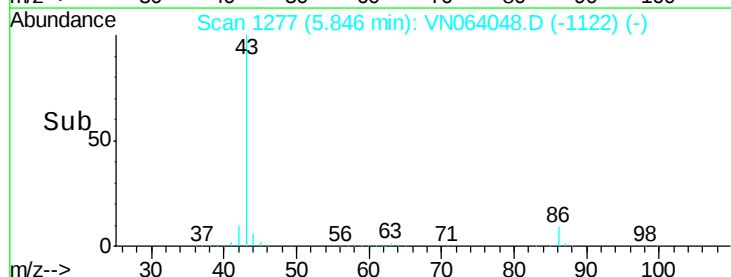
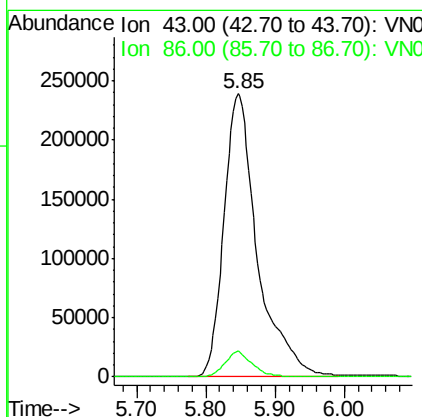
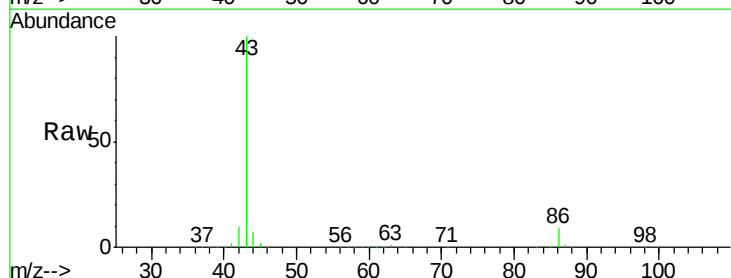
Manual Integrations
APPROVED

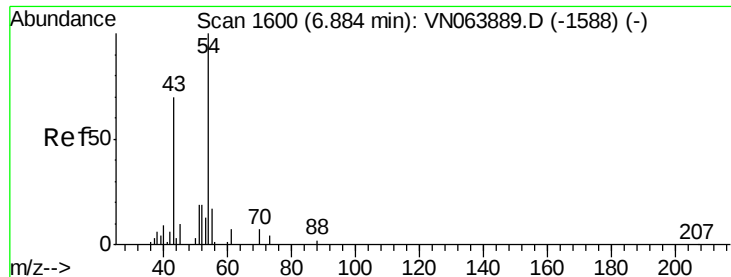
MMDadoda
10/12/2020 2:10:10 PM



#42
Vinyl Acetate
Concen: 88.757 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	43	Resp	806193
Ion Ratio	100	Lower	Upper
43	100		
86	7.4	6.7	10.1





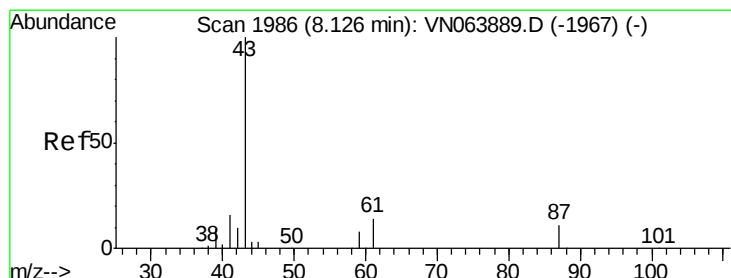
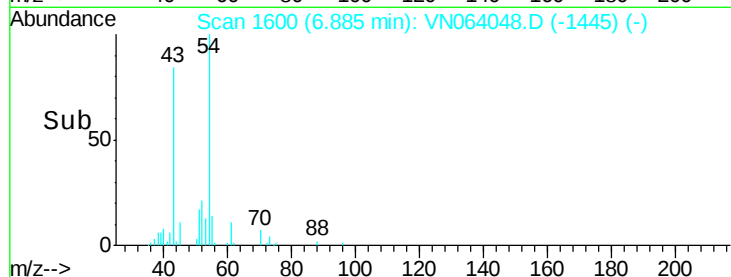
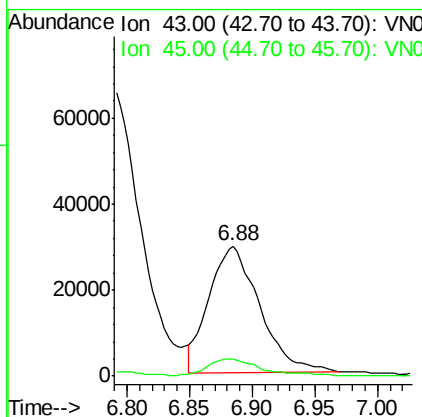
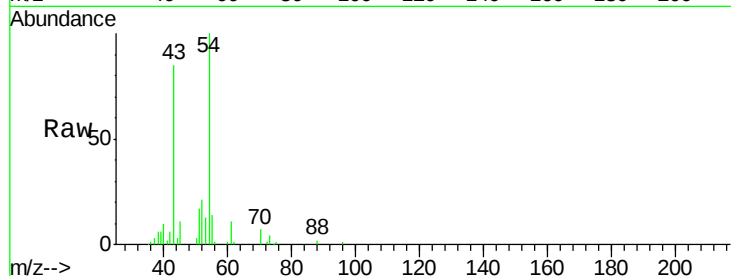
#43
Ethyl Acetate
Concen: 17.578 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
82384	100			
45	14.9	11.3	16.9	

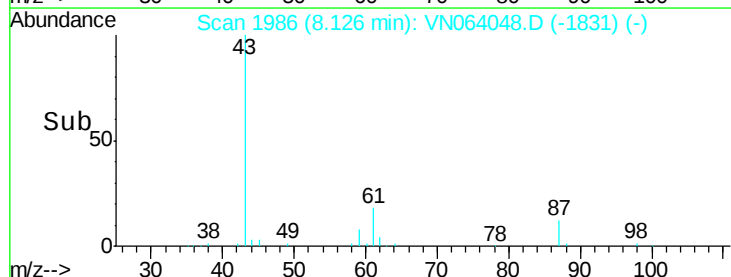
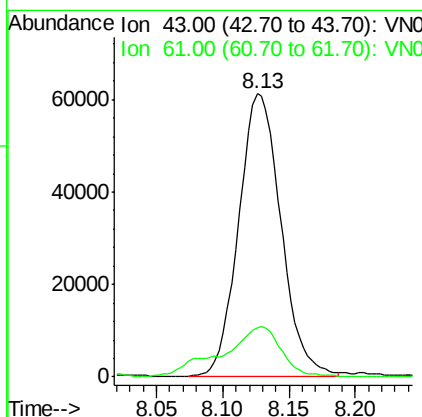
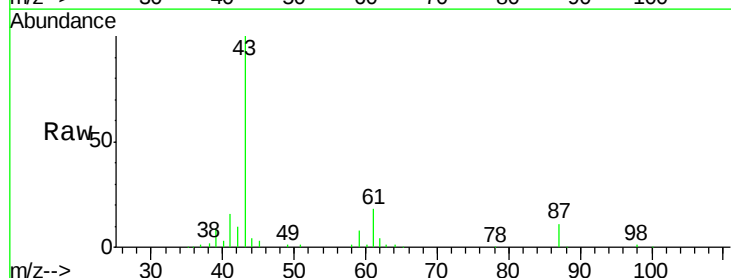
Manual Integrations
APPROVED

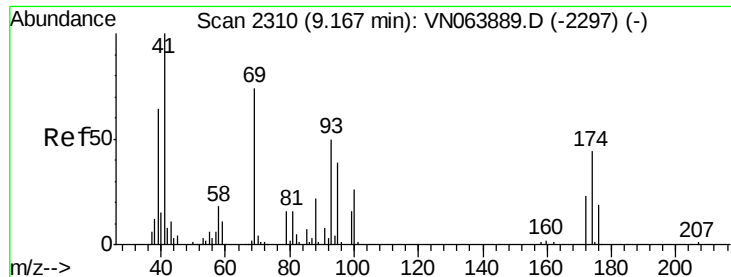
MMDadoda
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#44
Isopropyl Acetate
Concen: 17.602 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	43	Ratio	Lower	Upper
136719	100			
61	17.0	17.5	26.3	





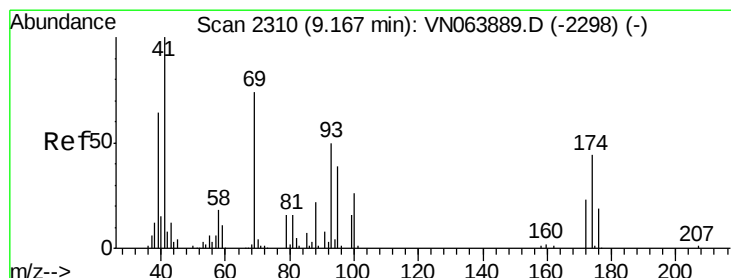
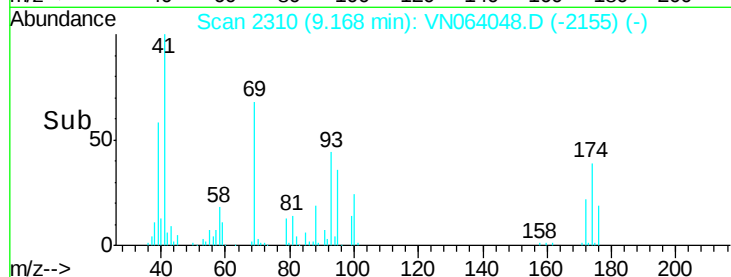
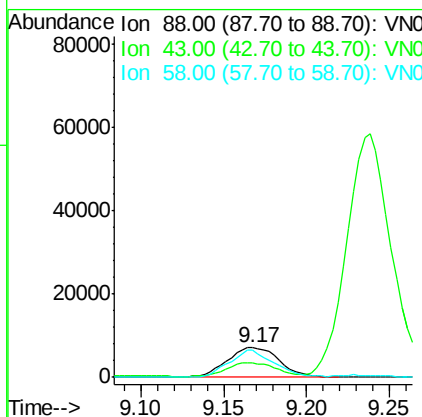
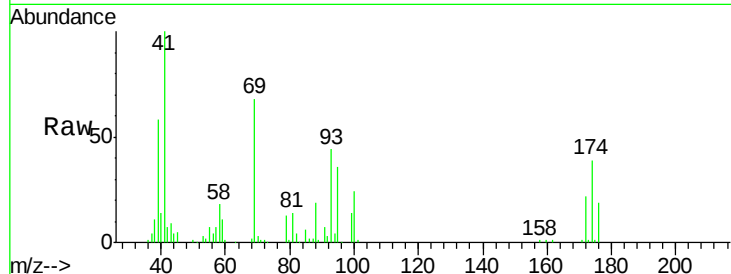
#45
1,4-Dioxane
Concen: 318.745 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.5	28.5	42.7
58	77.9	59.6	89.4

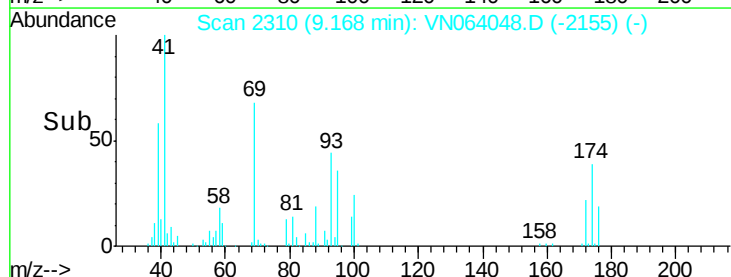
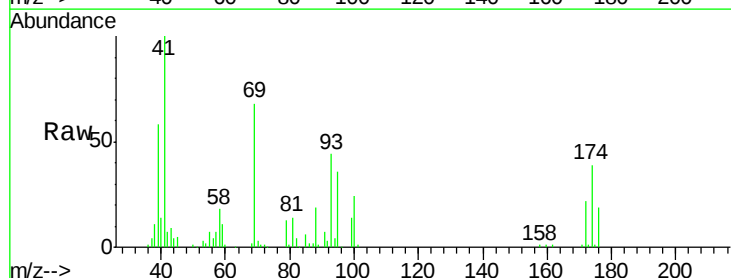
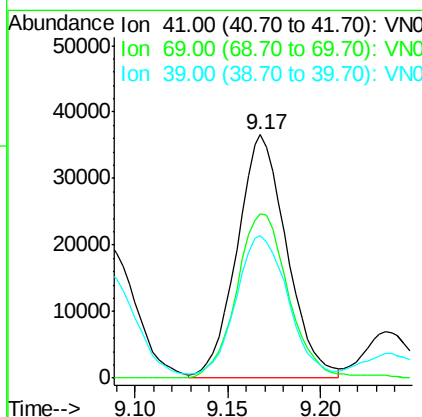
Manual Integrations
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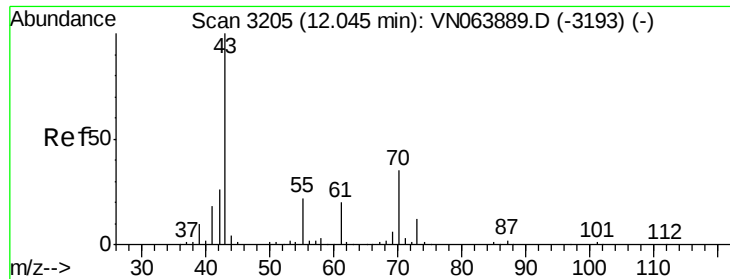
MMDadoda
10/12/2020 2:10:10 PM



#46
Methyl methacrylate
Concen: 17.696 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	68.5	42.6	128.0
39	57.4	25.1	75.4





#47

n-amvl Acetate

Concen: 15.452 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 106712

Ion Ratio Lower Upper

43 100

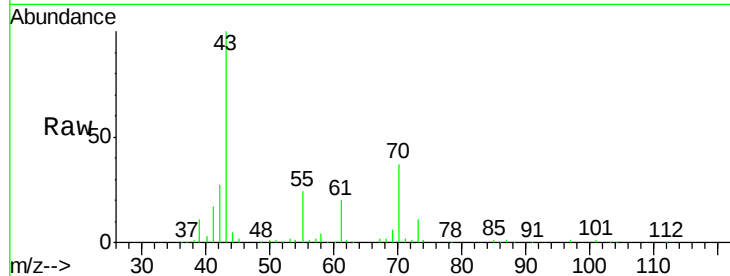
55 24.5 21.2 31.8

Manual Integrations

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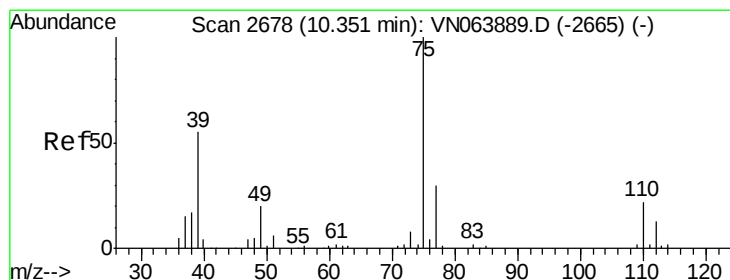
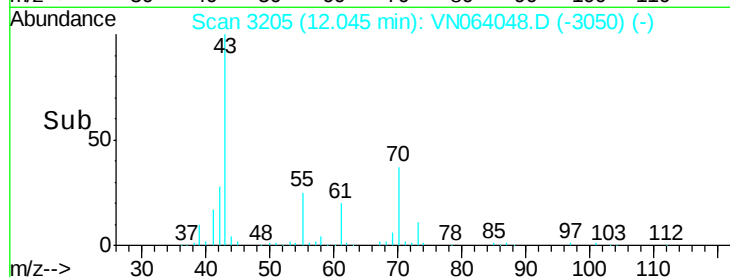
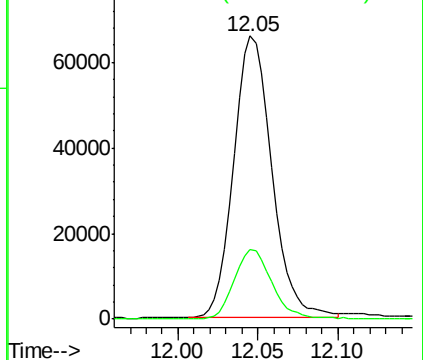
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 15.998 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064048.D

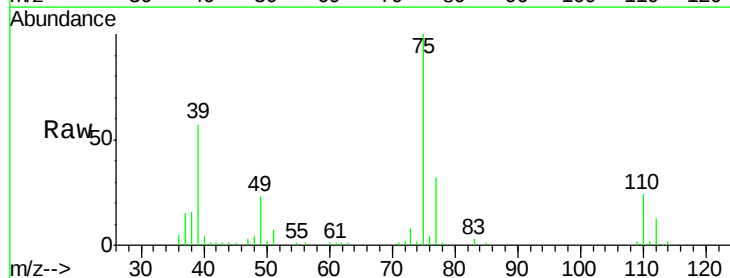
Acq: 9 Oct 2020 19:13

Tgt Ion: 75 Resp: 86505

Ion Ratio Lower Upper

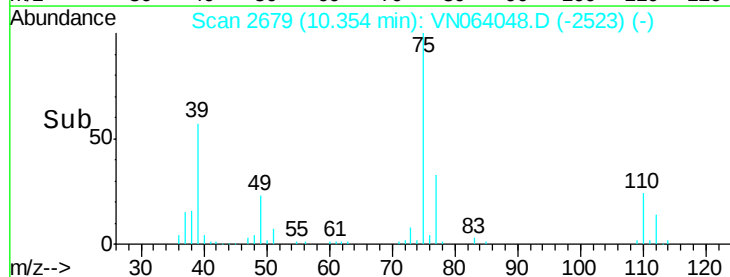
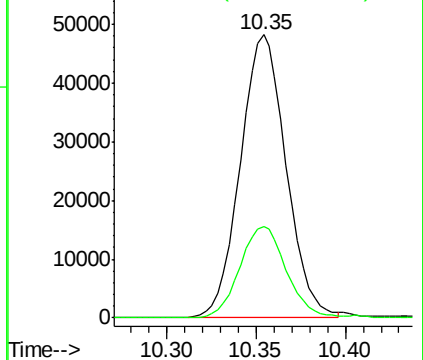
75 100

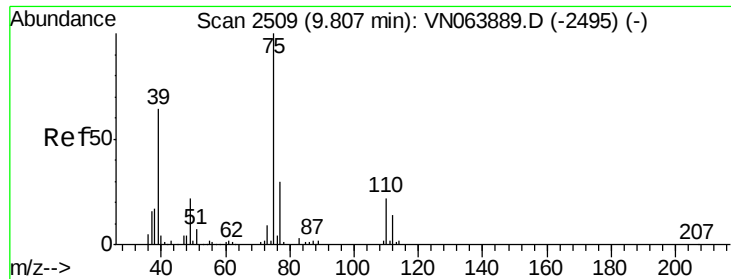
77 32.5 23.8 35.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





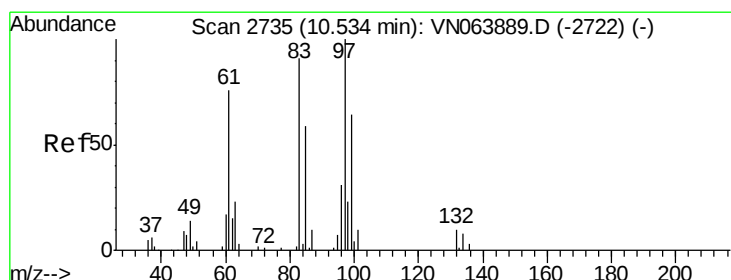
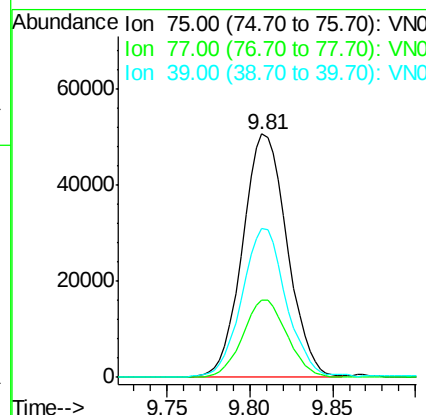
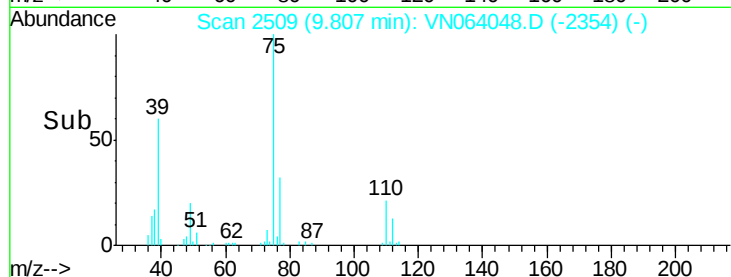
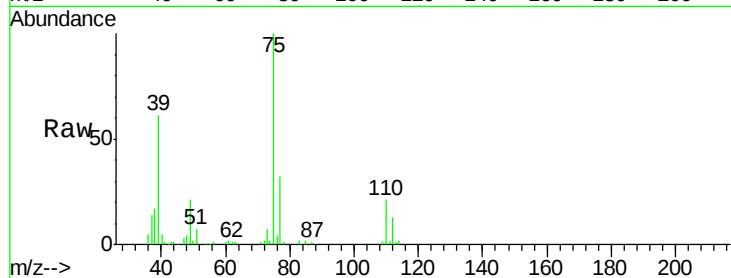
#49
 cis-1,3-Dichloropropene
 Concen: 16.937 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2
39	60.6	34.5	51.7#

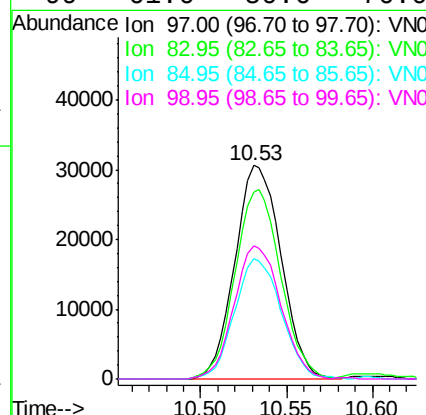
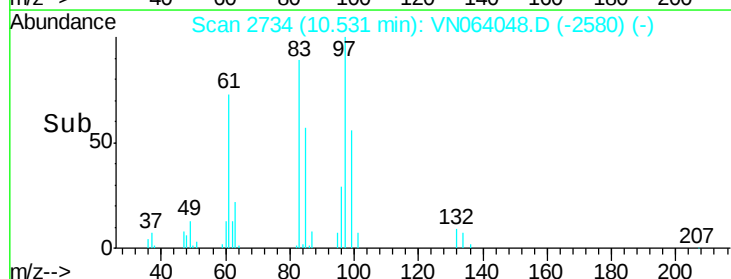
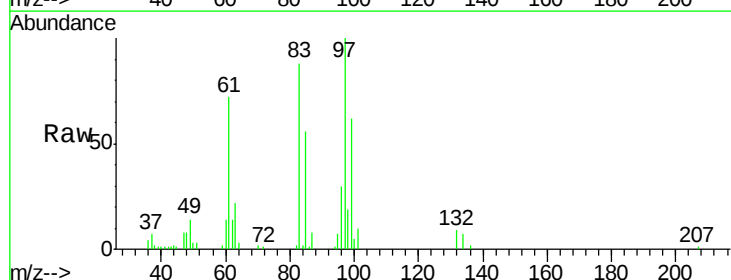
Manual Integrations
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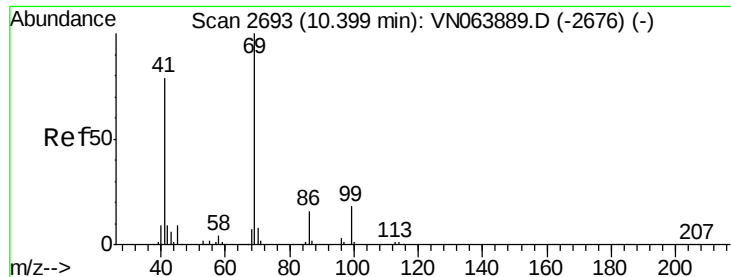
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 17.814 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.9	104.9
85	55.7	44.0	66.0
99	61.6	50.6	76.0





#51

Ethyl methacrylate

Concen: 16.461 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

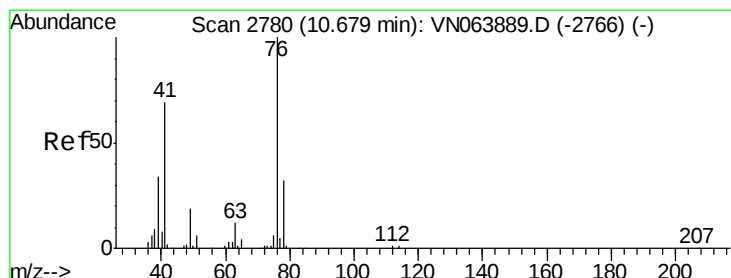
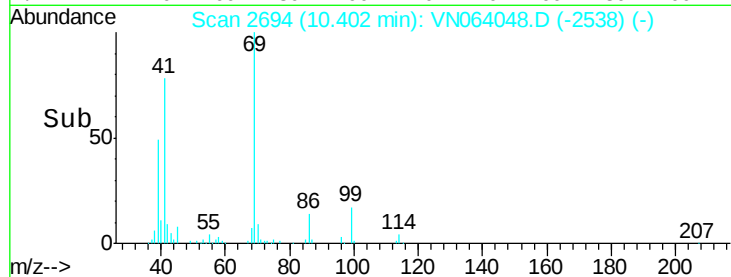
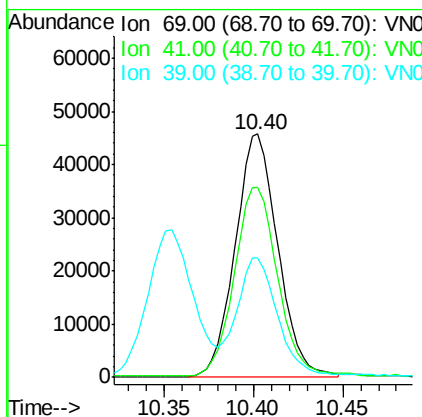
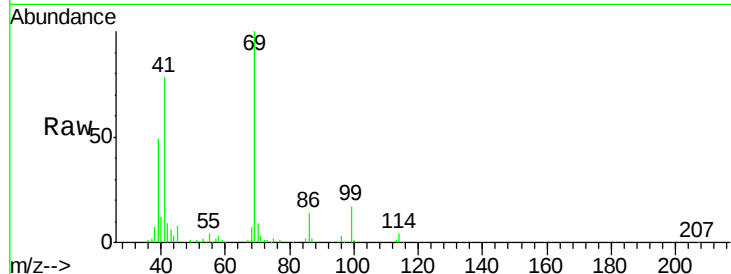
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	76761
Ion	Ratio	Lower	Upper
69	100		
41	77.4	32.1	96.5
39	47.8	16.1	48.3

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#52

1,3-Dichloropropane

Concen: 17.544 ug/l

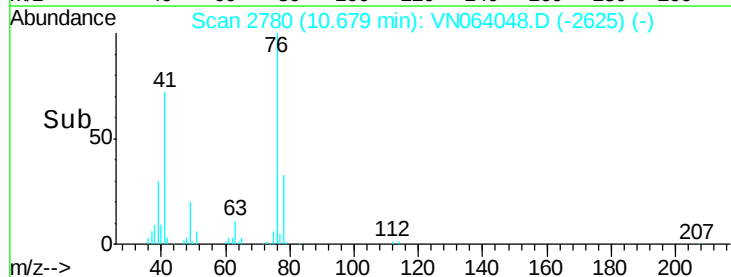
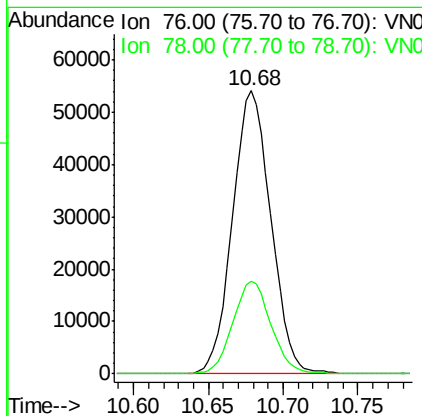
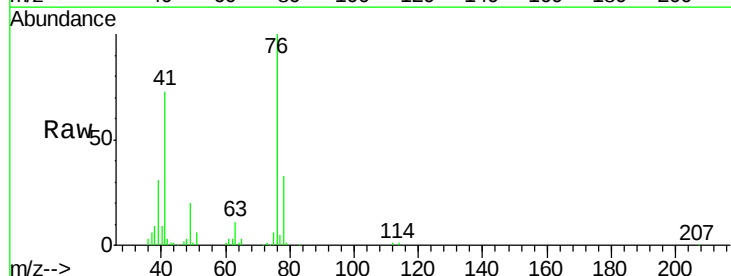
RT: 10.68 min Scan# 2780

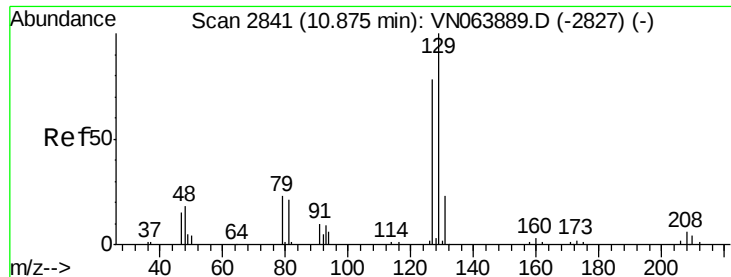
Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Tgt Ion:	76	Resp:	96613
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	63.2





#53

Dibromochloromethane

Concen: 16.717 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 61853

Ion Ratio Lower Upper

129 100

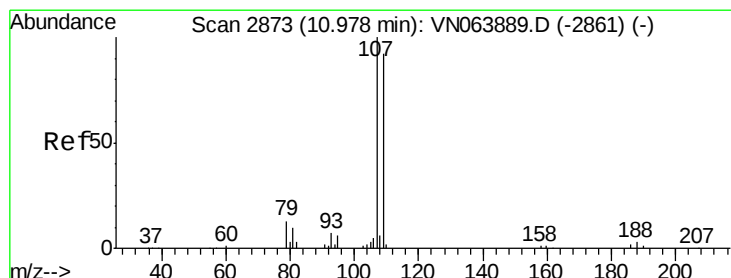
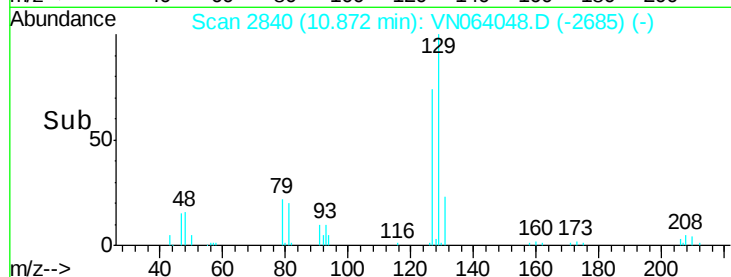
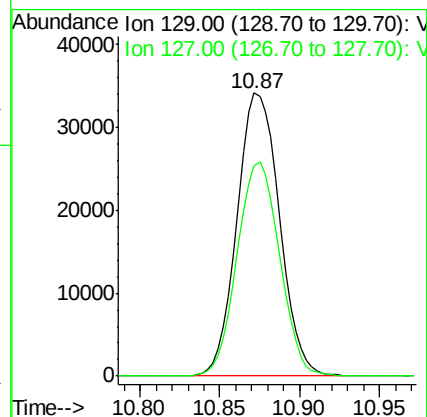
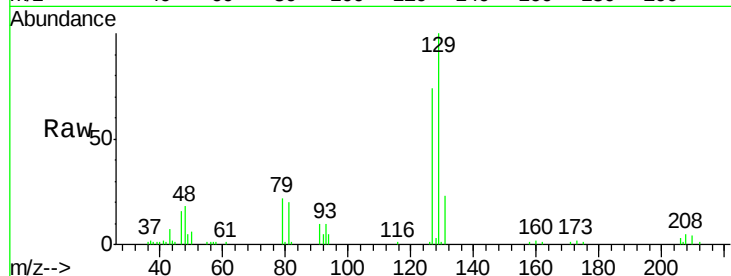
127 75.7 38.7 116.1

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#54

1,2-Dibromoethane

Concen: 17.421 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064048.D

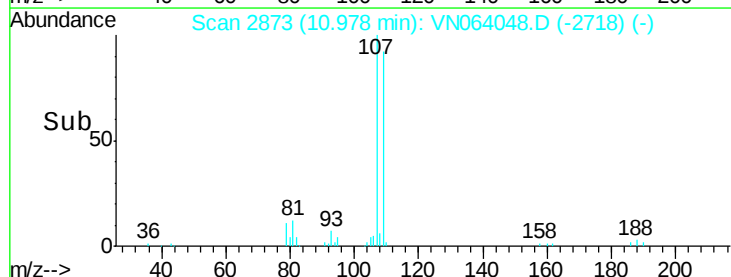
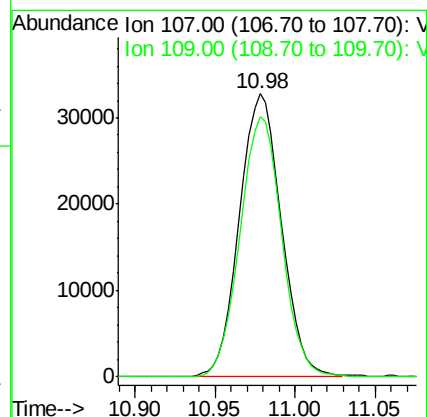
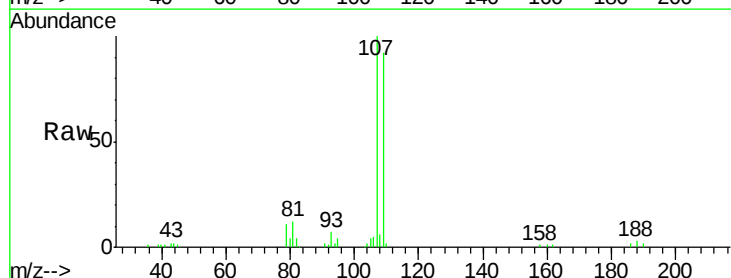
Acq: 9 Oct 2020 19:13

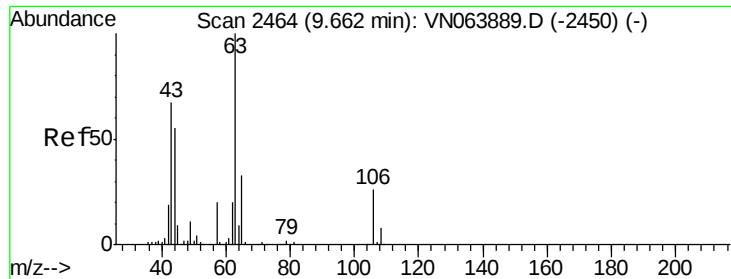
Tgt Ion:107 Resp: 58719

Ion Ratio Lower Upper

107 100

109 91.2 76.3 114.5





#55

2-Chloroethyl vinyl ether

Concen: 87.322 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

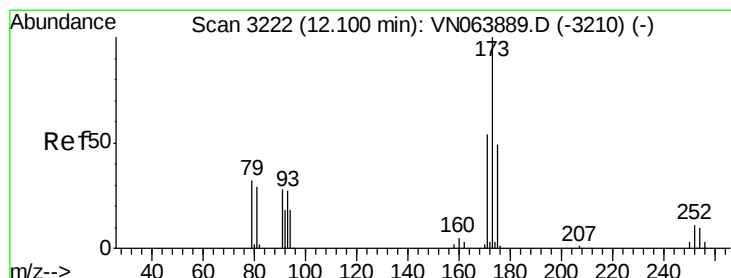
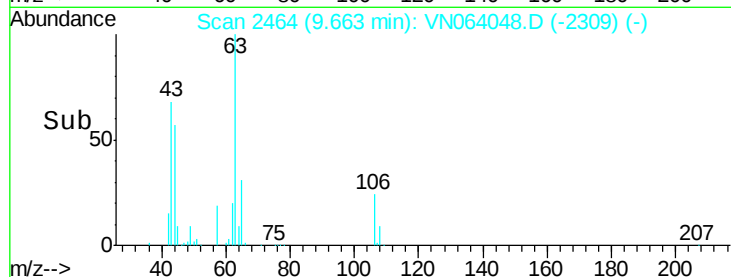
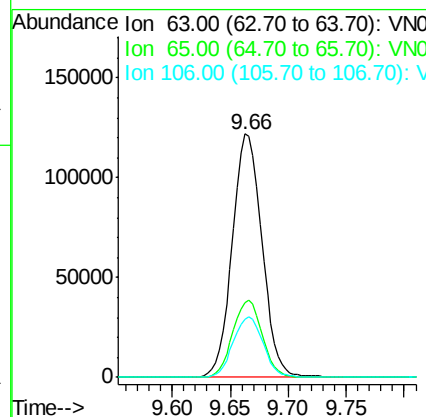
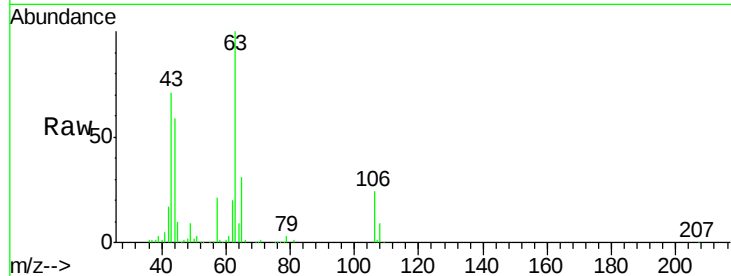
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	217290
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.9	38.9
106	25.0	19.9	29.9

Manual Integrations
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#56

Bromoform

Concen: 16.646 ug/l

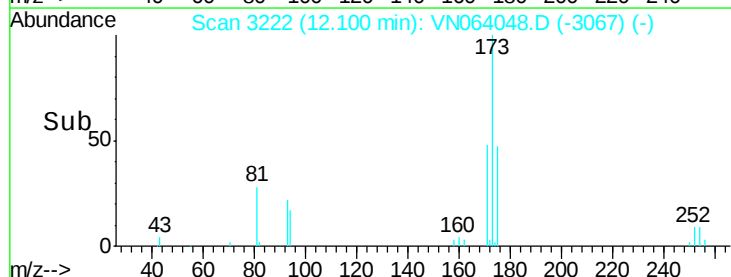
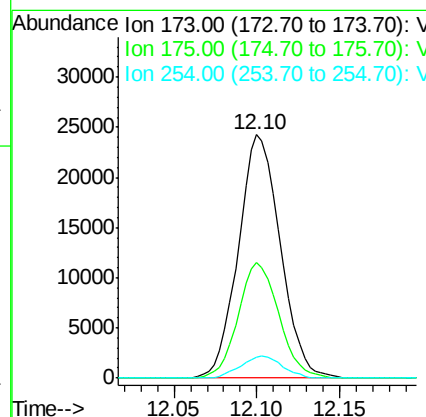
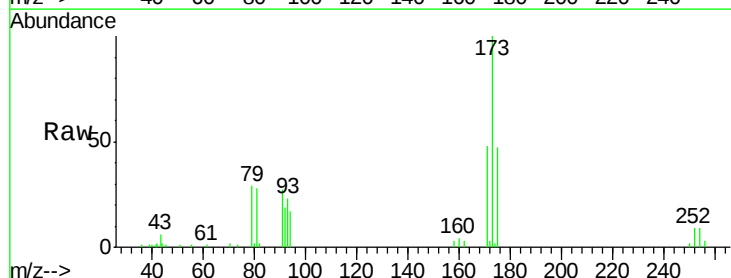
RT: 12.10 min Scan# 3222

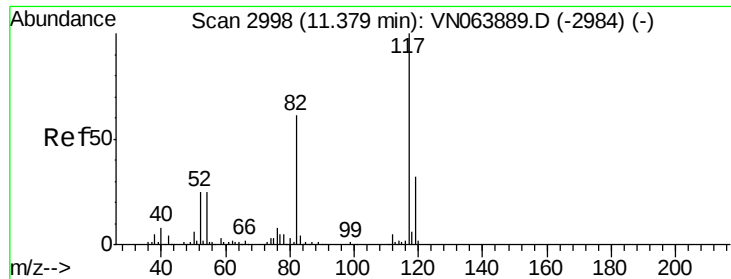
Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Tgt Ion:	173	Resp:	42678
Ion	Ratio	Lower	Upper
173	100		
175	46.0	41.2	61.8
254	8.9	9.0	13.4#





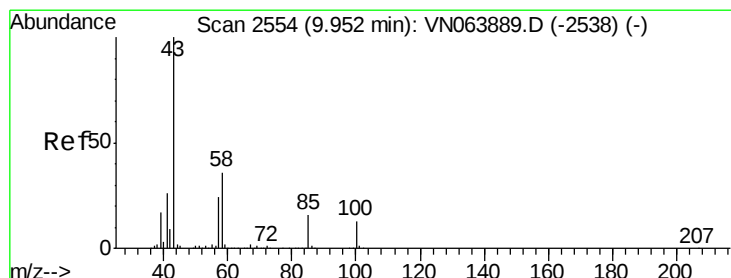
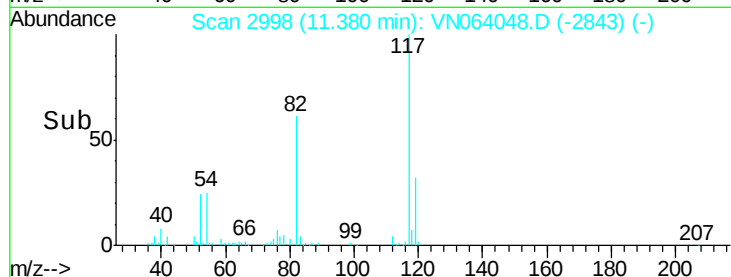
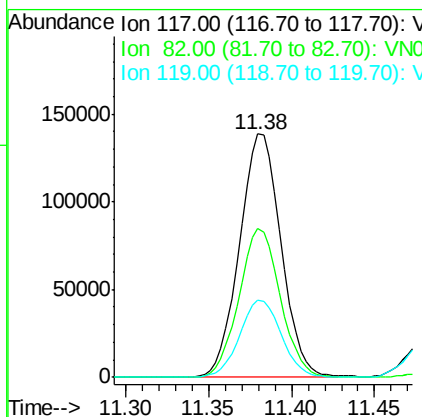
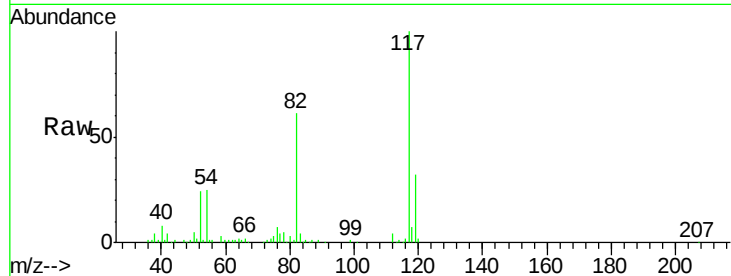
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	241765		
82	60.8	44.9	67.3	
119	31.8	26.0	39.0	

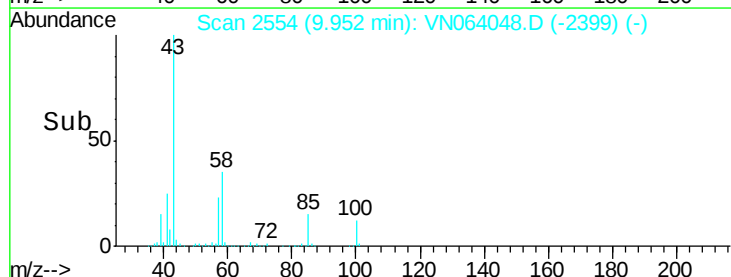
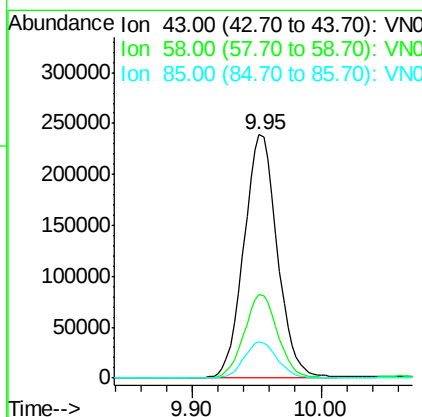
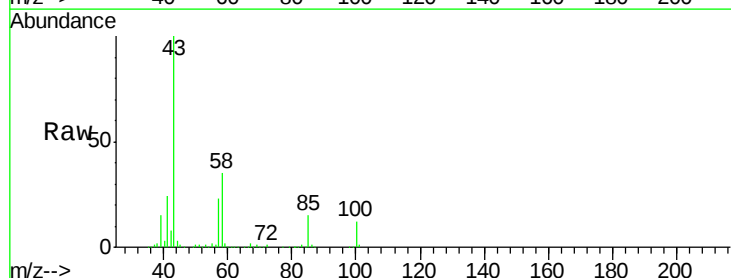
Manual Integrations
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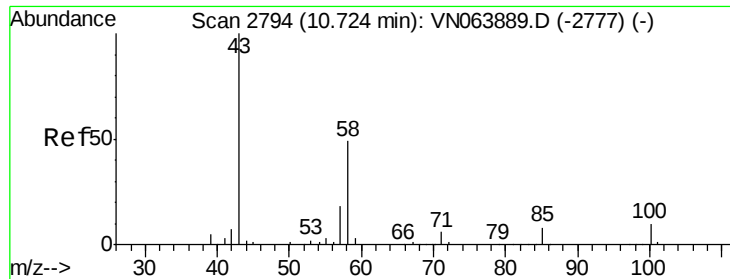
MMDadoda
10/12/2020 2:10:10 PM



#58
4-Methyl-2-Pentanone
Concen: 91.782 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	430648		
58	34.6	31.4	47.0	
85	14.9	13.4	20.2	





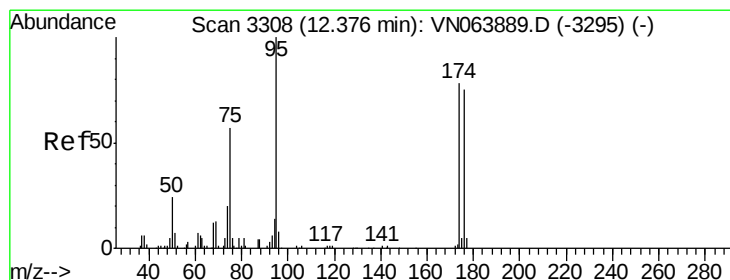
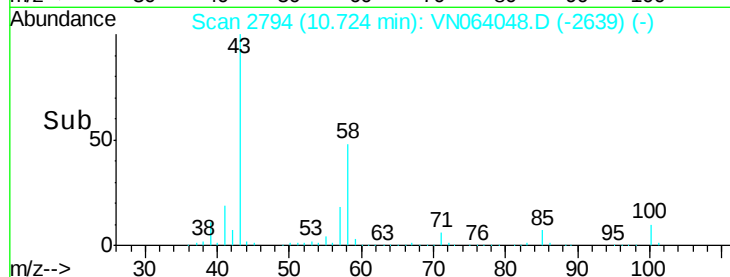
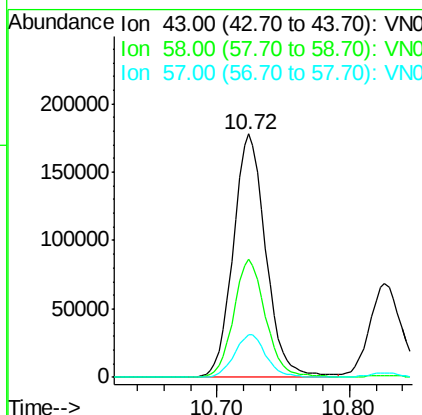
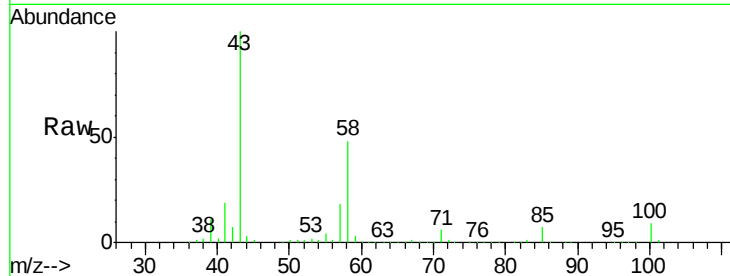
#59
2-Hexanone
Concen: 86.340 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	43	Resp:	301747
Ion Ratio	Lower	Upper	
43	100		
58	47.9	42.6	64.0
57	17.4	14.6	21.8

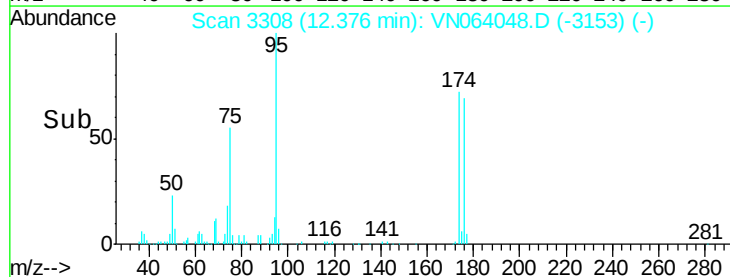
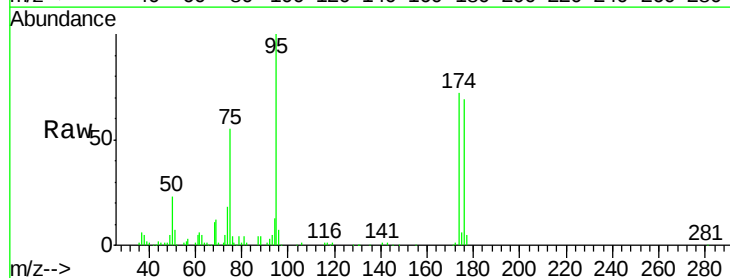
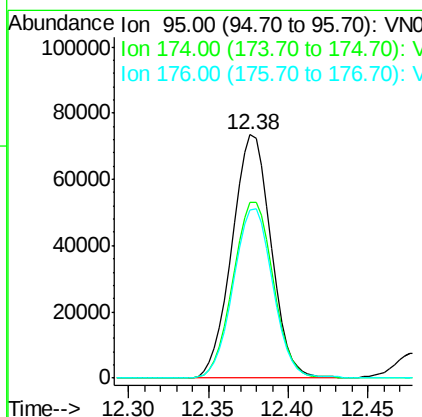
Manual Integrations
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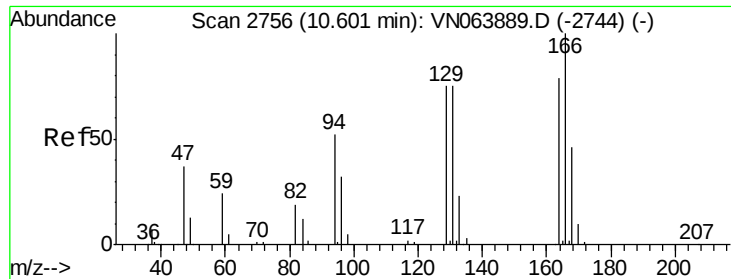
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.596 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion:	95	Resp:	122363
Ion Ratio	Lower	Upper	
95	100		
174	73.9	70.1	105.1
176	70.4	66.8	100.2





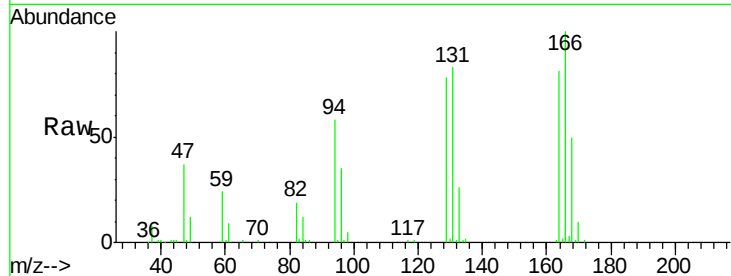
#61
 Tetrachloroethene
 Concen: 16.566 ug/l
 RT: 10.60 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

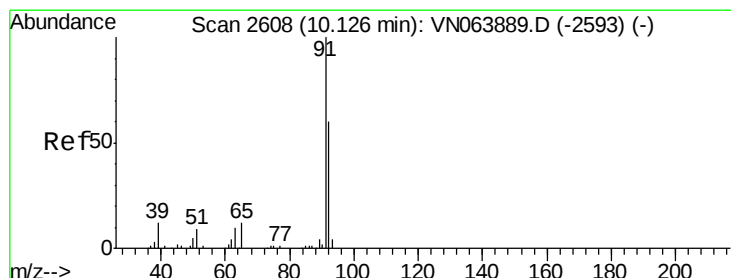
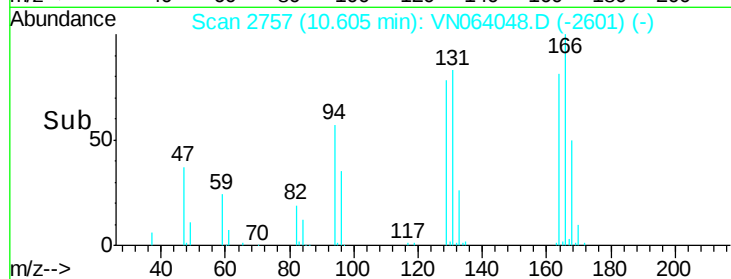
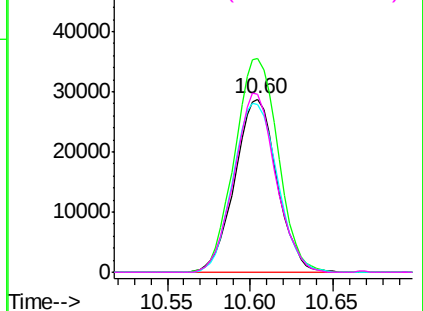
Tot Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.1	150.1
129	96.7	72.5	108.7
131	102.5	68.4	102.6

Manual Integrations
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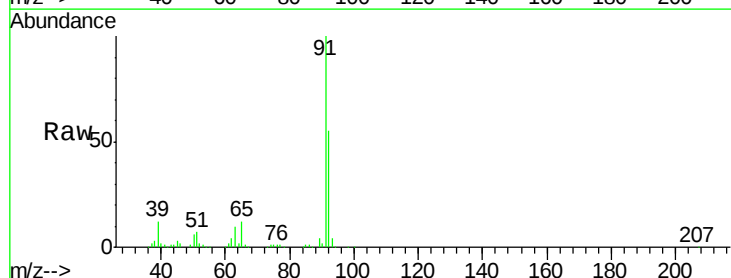


Abundance Ion 163.85 (163.55 to 164.55): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.90 (128.60 to 129.60): V
 Ion 130.90 (130.60 to 131.60): V

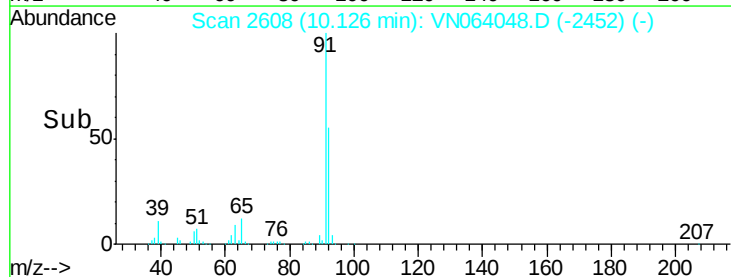
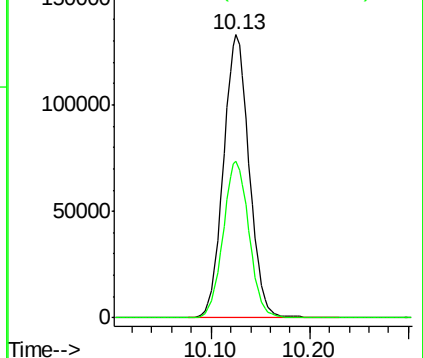


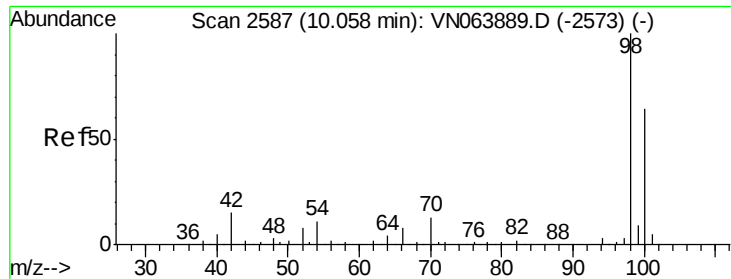
#62
 Toluene
 Concen: 17.502 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	45.5	68.3



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V





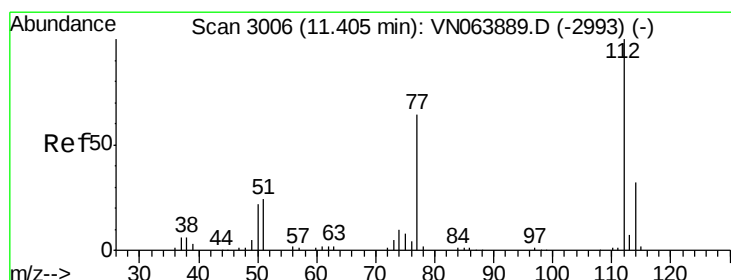
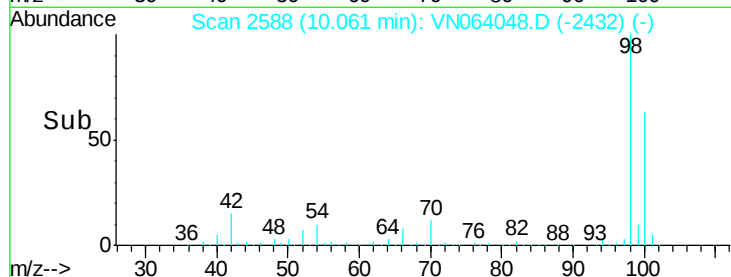
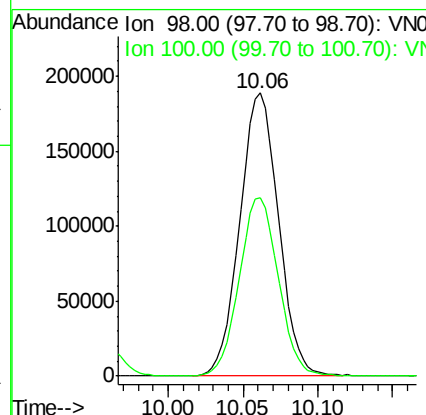
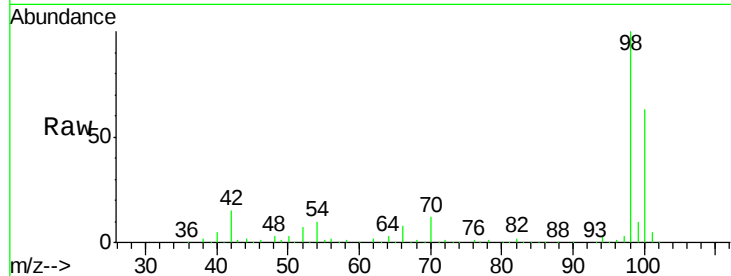
#63
Toluene-d8
Concen: 31.185 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 341675
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.2

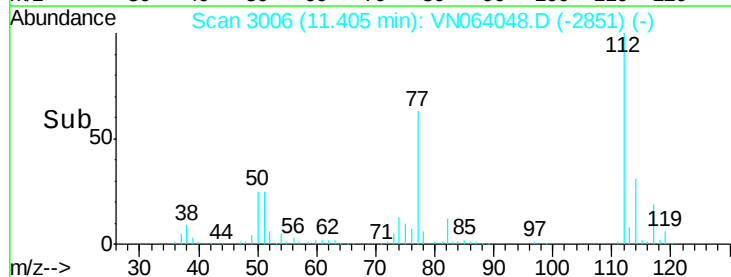
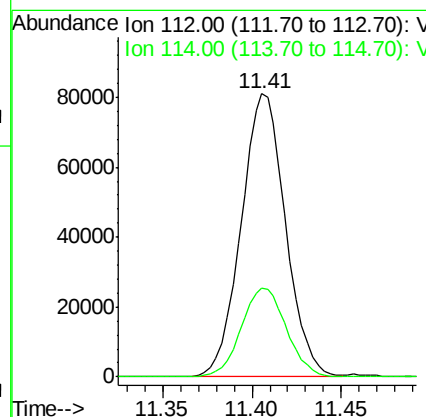
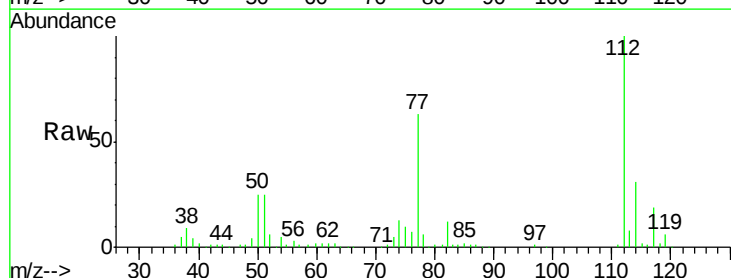
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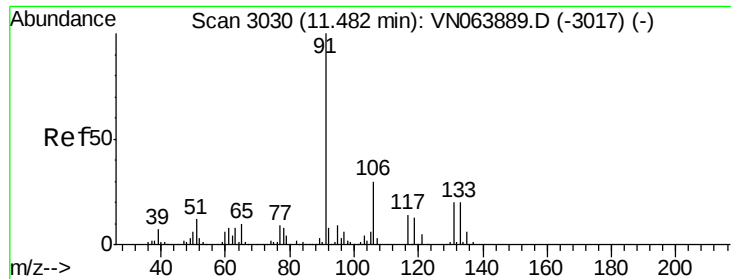
MMDadoda
10/12/2020 2:10:10 PM



#64
Chlorobenzene
Concen: 16.702 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion: 112 Resp: 140560
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 17.189 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

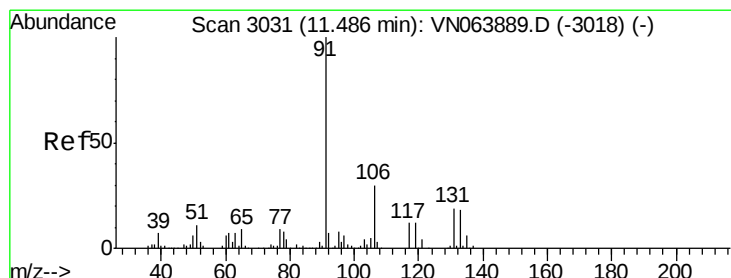
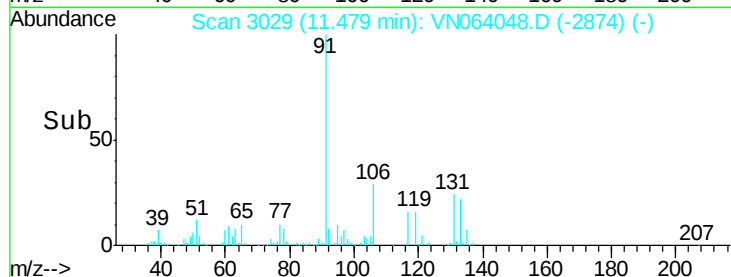
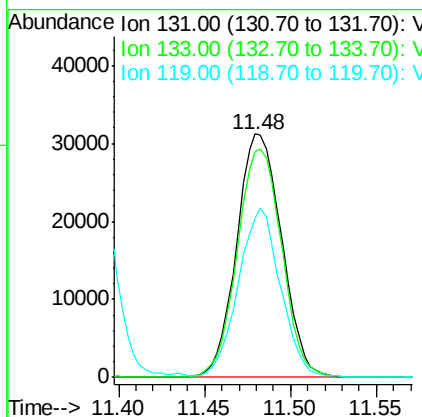
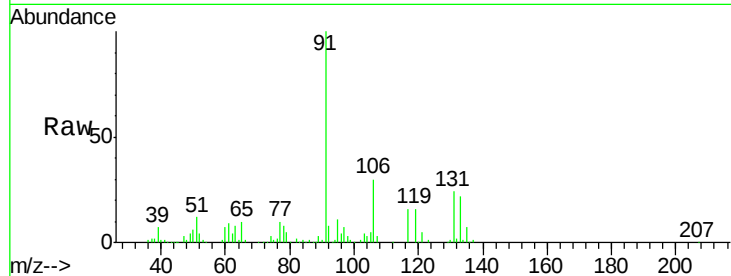
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	56578
Ion Ratio	Lower	Upper	
131	100		
133	93.2	0.0	191.2
119	65.3	0.0	134.2

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#66

Ethyl Benzene

Concen: 16.248 ug/l

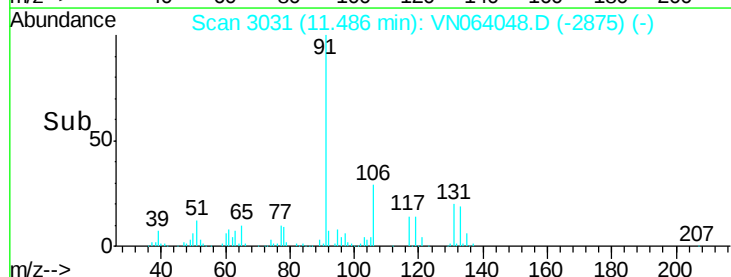
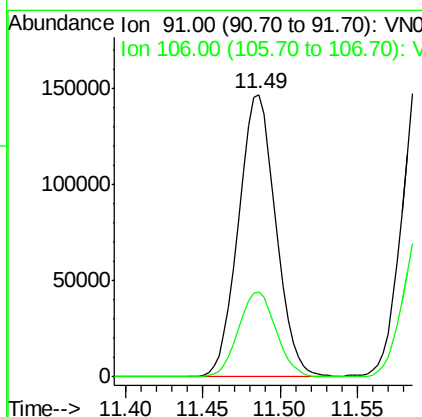
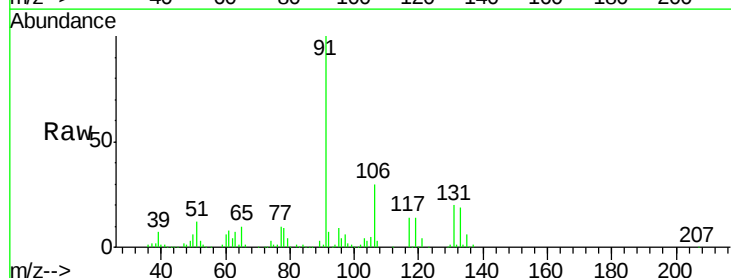
RT: 11.49 min Scan# 3031

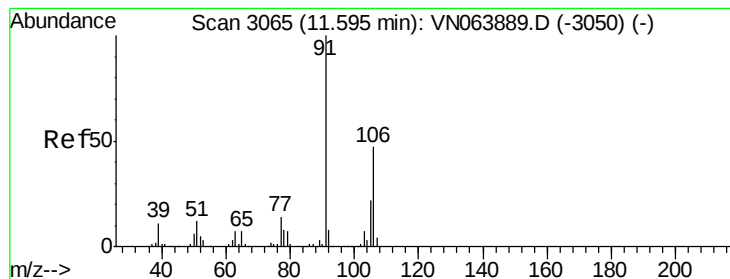
Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Tgt Ion:	91	Resp:	247751
Ion Ratio	Lower	Upper	
91	100		
106	30.2	25.0	37.4





#67

m/p-Xylenes

Concen: 33.257 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 188572

Ion Ratio Lower Upper

106 100

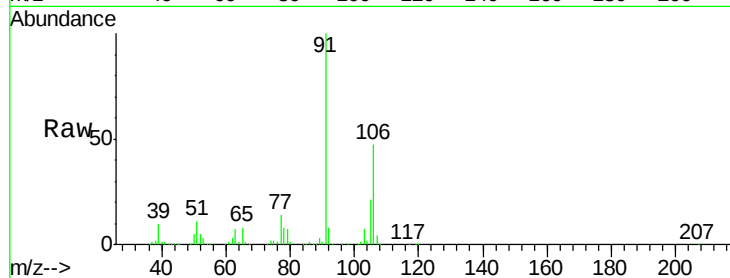
91 210.9 164.9 247.3

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

150000

100000

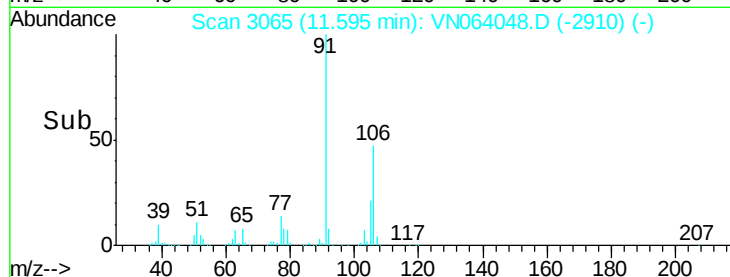
50000

0

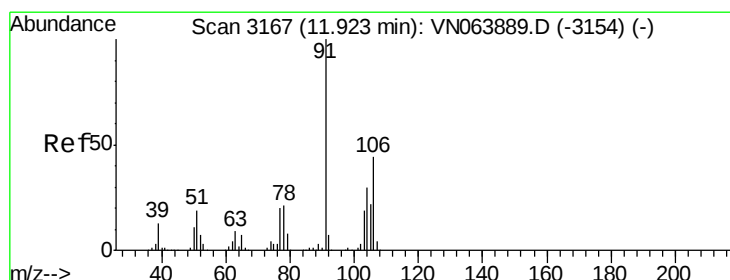
11.50

11.60

11.70



Time-->



#68

o-Xylene

Concen: 16.405 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064048.D

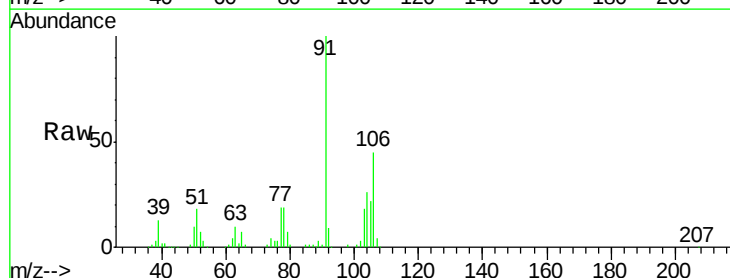
Acq: 9 Oct 2020 19:13

Tgt Ion:106 Resp: 88624

Ion Ratio Lower Upper

106 100

91 223.7 108.0 324.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

100000

50000

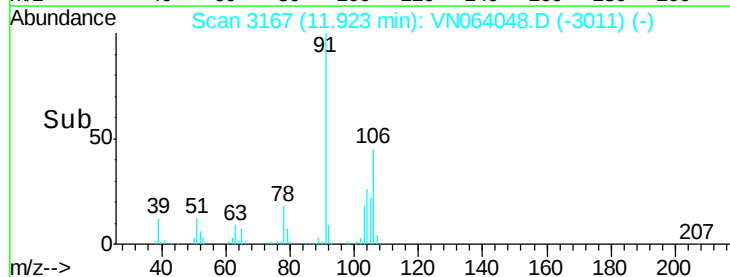
0

11.85

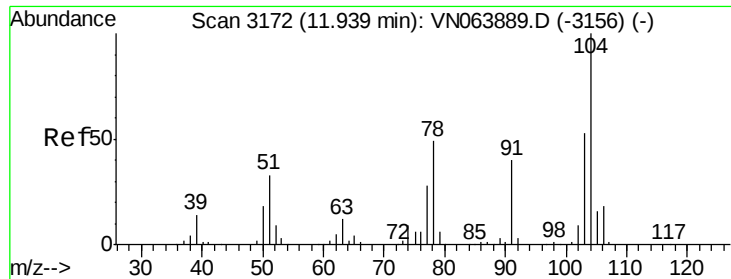
11.90

11.95

12.00



Time-->



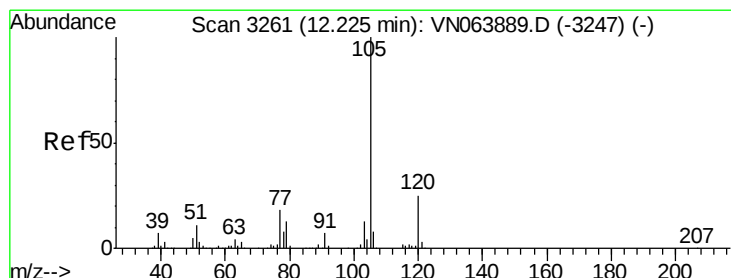
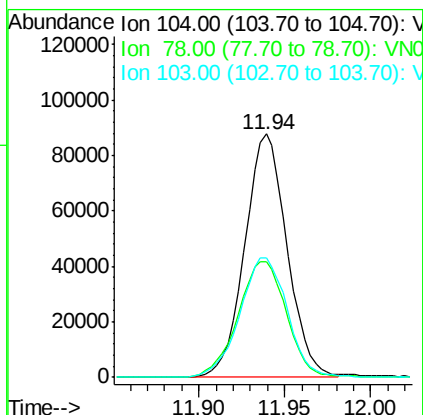
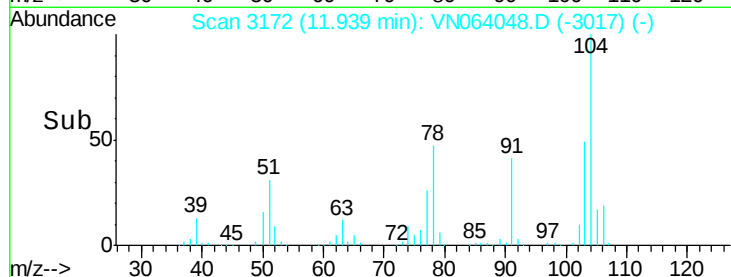
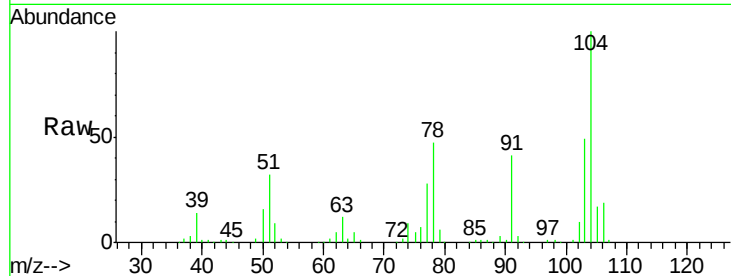
#69
Stvrene
Concen: 16.262 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.7	39.6	59.4
103	55.4	44.4	66.6

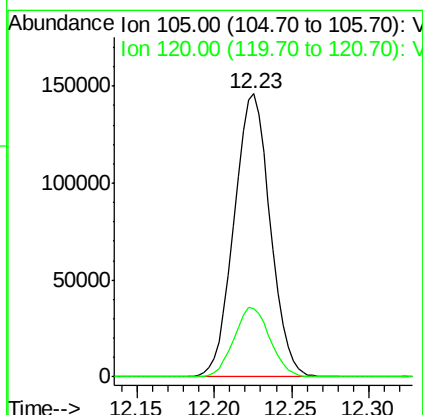
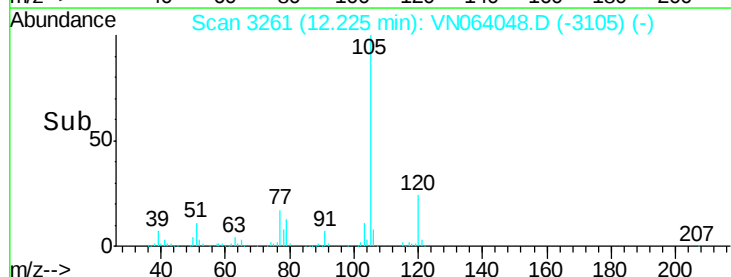
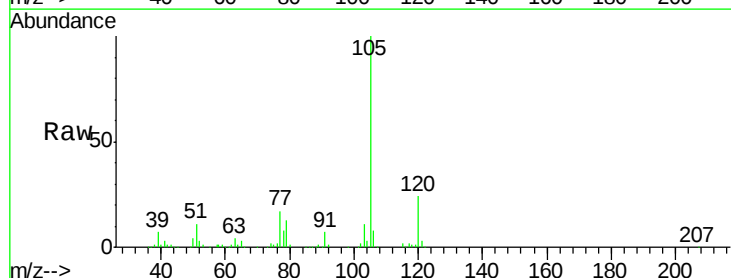
Manual Integrations
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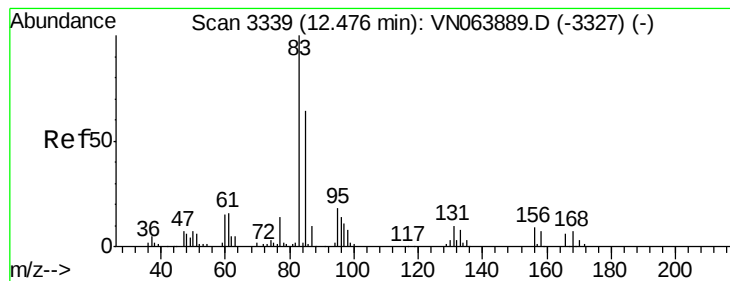
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#70
Isopropylbenzene
Concen: 16.522 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	18.5	34.3





#71

1,1,2,2-Tetrachloroethane

Concen: 18.046 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 81883

Ion Ratio Lower Upper

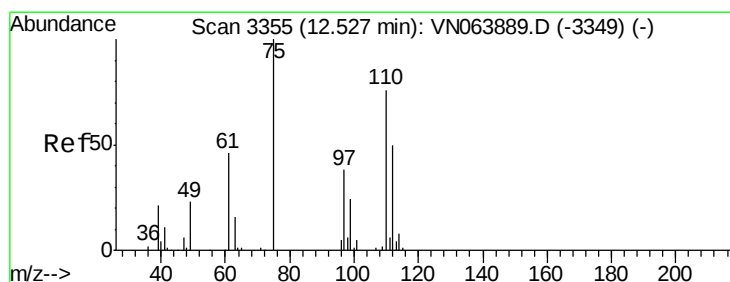
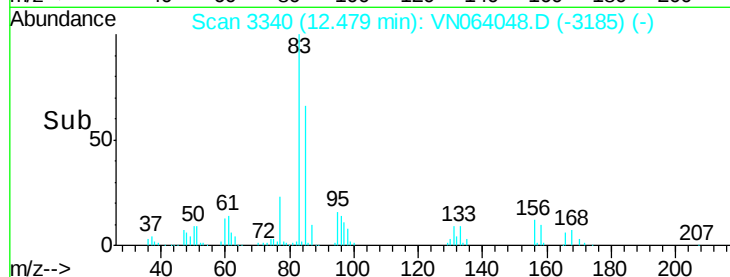
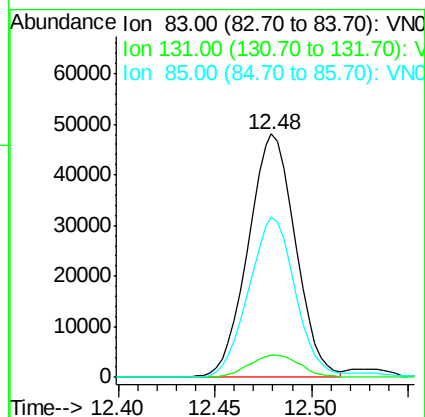
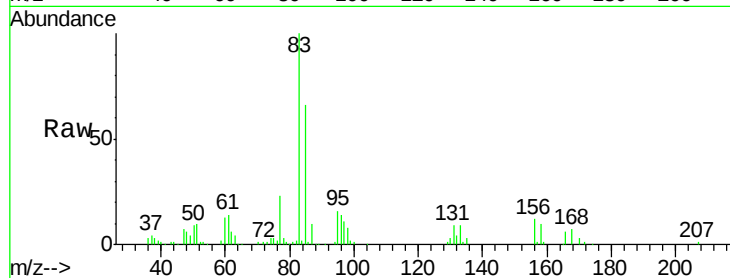
83 100

131 9.8 4.5 13.7

85 64.8 31.8 95.3

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 18.303 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064048.D

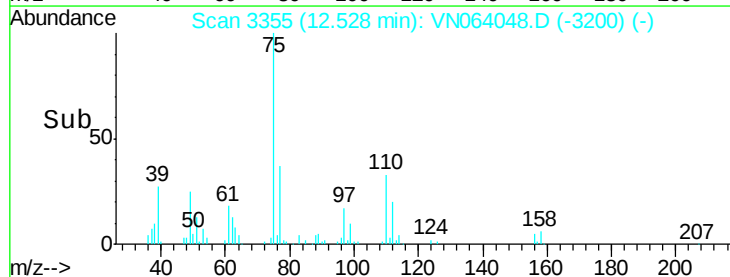
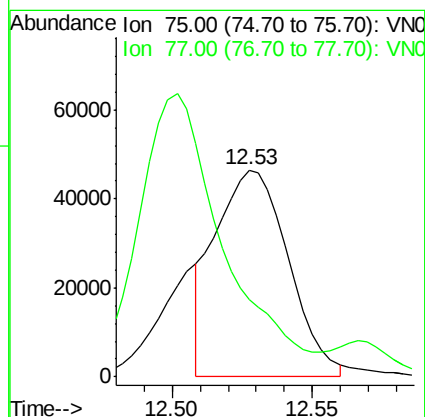
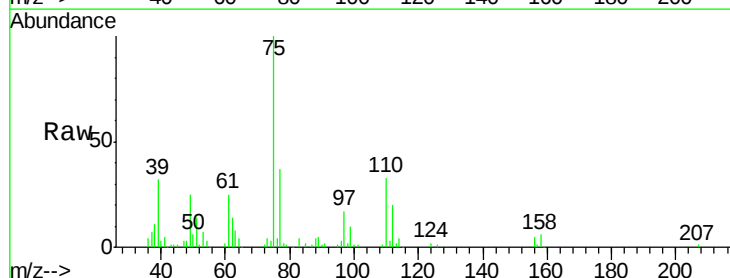
Acq: 9 Oct 2020 19:13

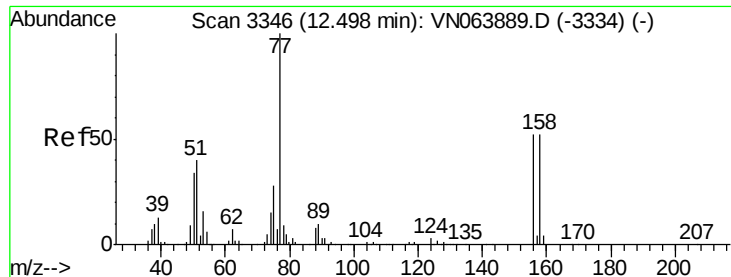
Tgt Ion: 75 Resp: 84688

Ion Ratio Lower Upper

75 100

77 158.0 0.0 387.8





#73

Bromobenzene

Concen: 16.054 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 58412

Ion Ratio Lower Upper

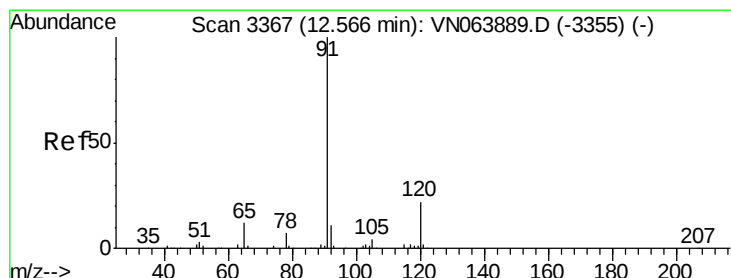
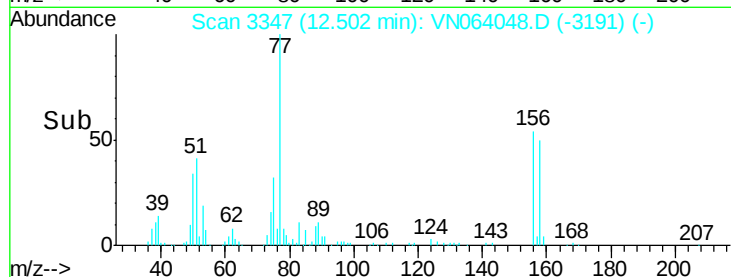
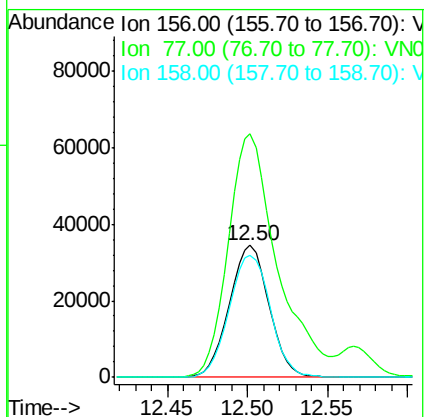
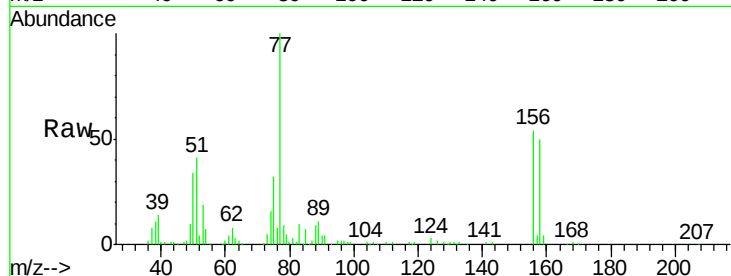
156 100

77 229.1 0.0 398.6

158 95.8 0.0 195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 16.038 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064048.D

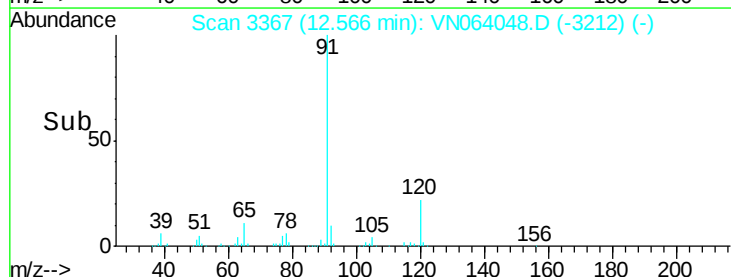
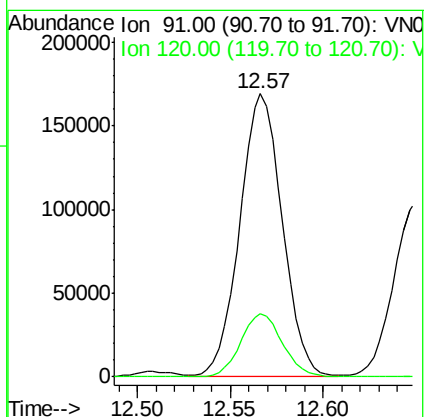
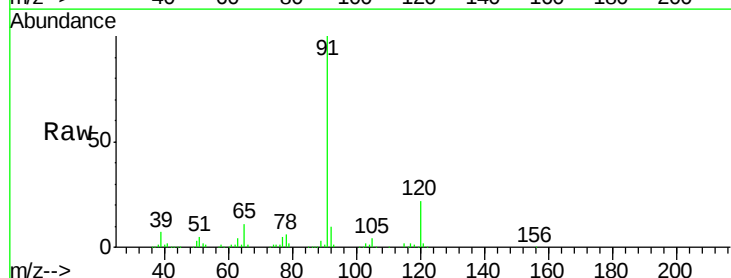
Acq: 9 Oct 2020 19:13

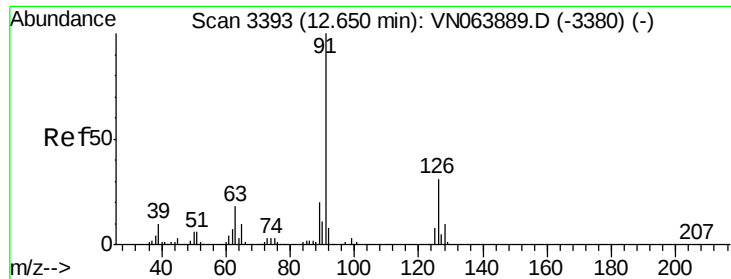
Tgt Ion: 91 Resp: 269133

Ion Ratio Lower Upper

91 100

120 21.9 0.0 44.0





#75

2-Chlorotoluene

Concen: 16.662 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 170551

Ion Ratio Lower Upper

91 100

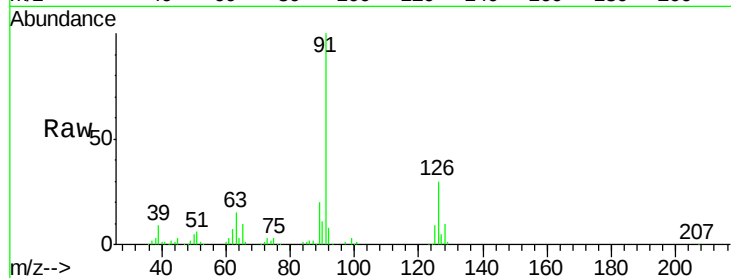
126 31.1 0.0 68.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN063889.D (-3380) (-)

150000

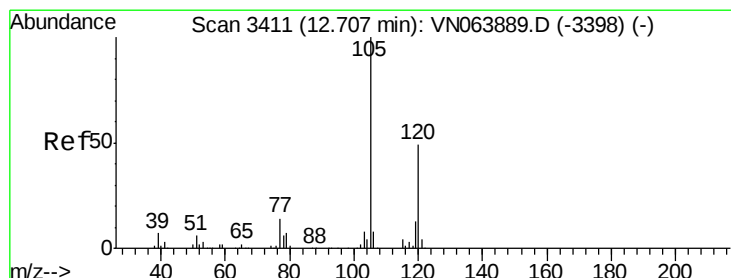
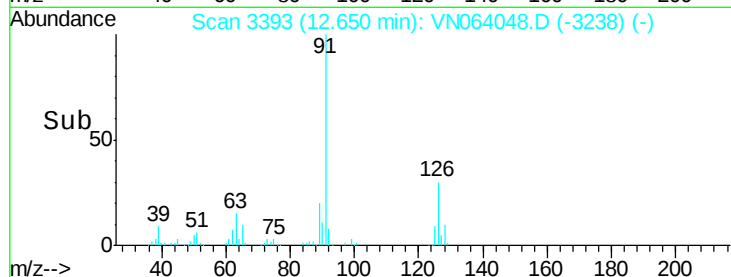
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 16.153 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064048.D

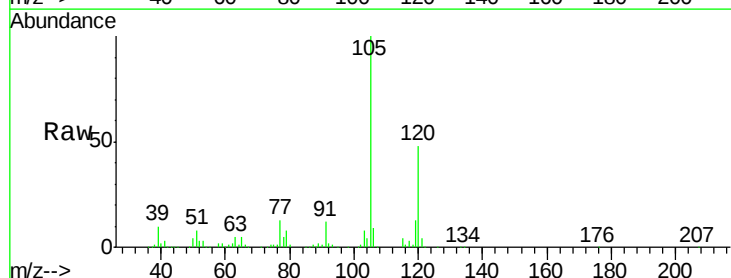
Acq: 9 Oct 2020 19:13

Tgt Ion: 105 Resp: 195534

Ion Ratio Lower Upper

105 100

120 46.4 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN063889.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN063889.D (-3398) (-)

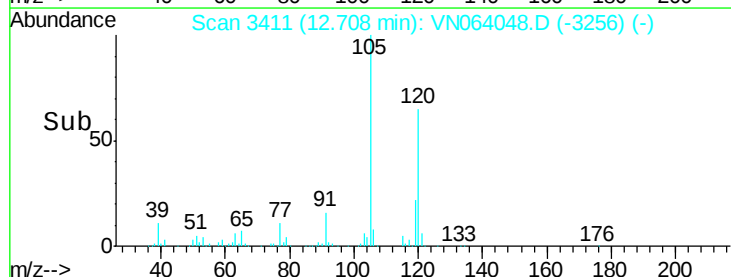
100000

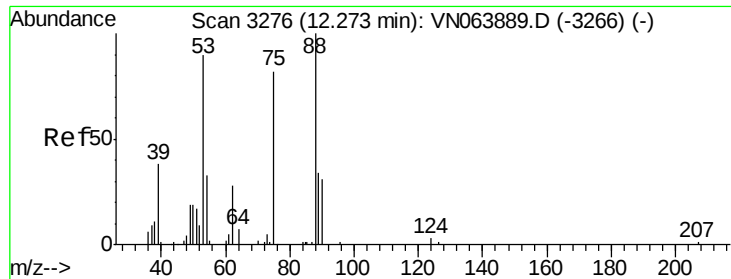
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.436 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

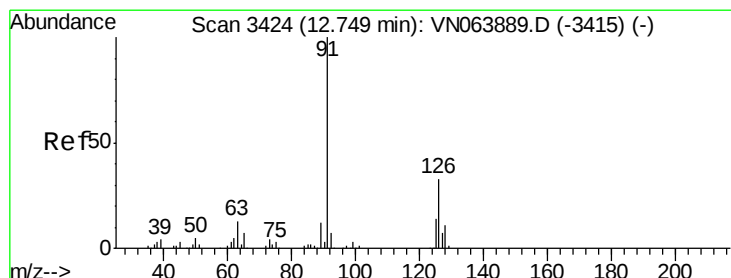
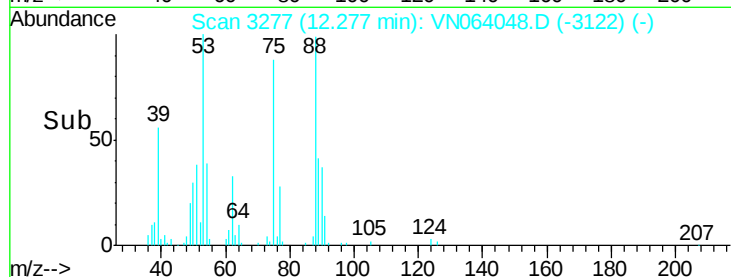
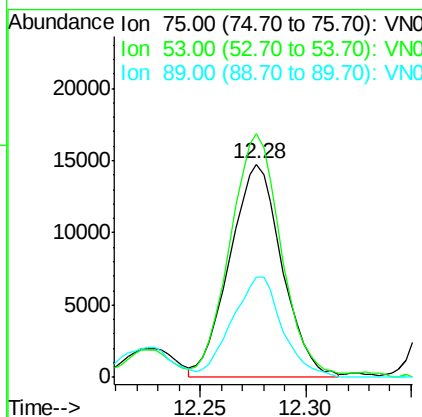
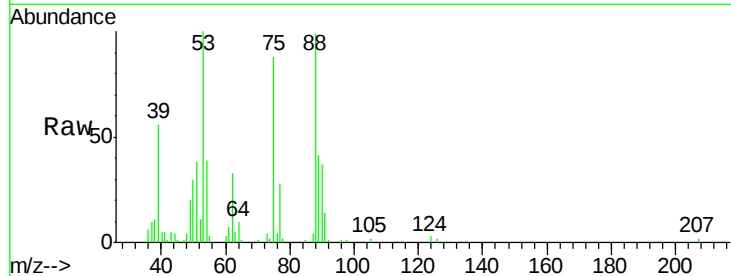
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	25403
Ion	Ratio	Lower	Upper
75	100		
53	113.6	47.0	141.0
89	47.5	22.9	68.7

Manual Integrations
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#78

4-Chlorotoluene

Concen: 16.548 ug/l

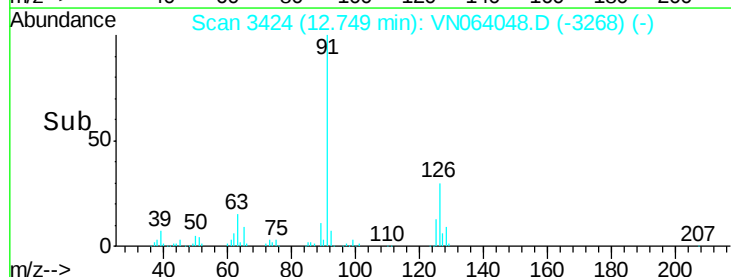
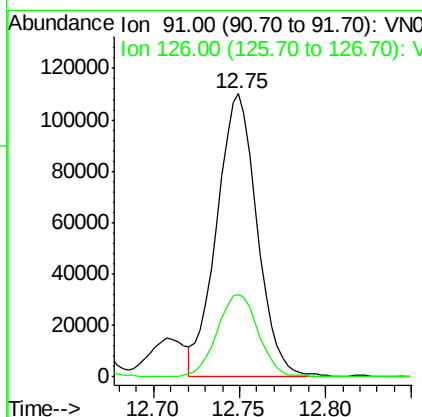
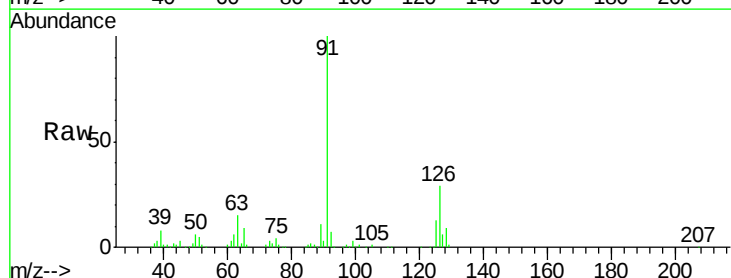
RT: 12.75 min Scan# 3424

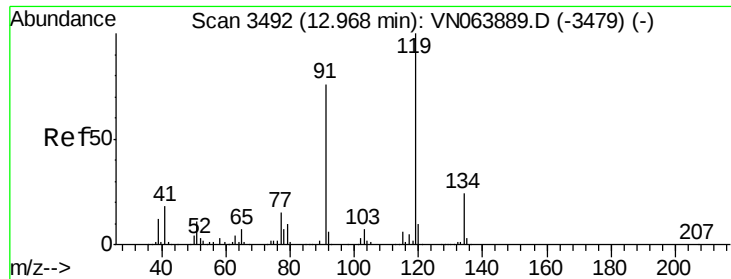
Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Tgt Ion:	91	Resp:	179370
Ion	Ratio	Lower	Upper
91	100		
126	30.0	0.0	65.0





#79

tert-butylbenzene

Concen: 15.972 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Instrument :

MSVOA_N

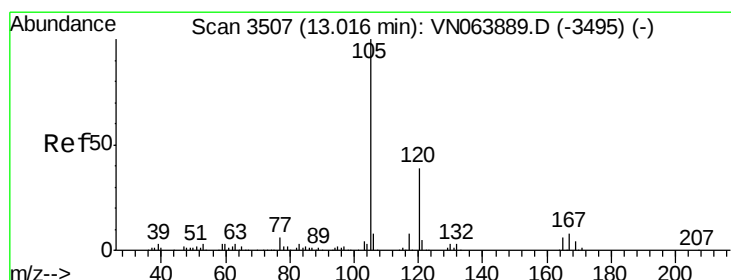
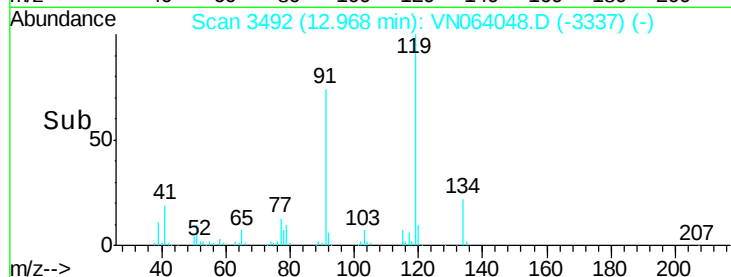
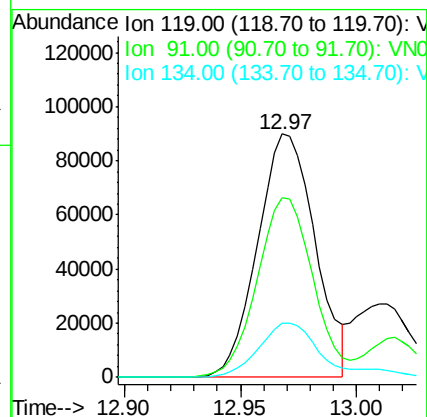
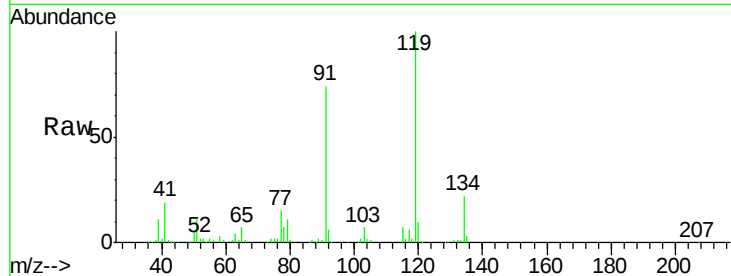
ClientSampleId :

VSTDCCC020EC

Tot Ion:	119	Resp:	154900
Ion Ratio	Lower	Upper	
119	100		
91	71.7	0.0	136.8
134	22.5	0.0	48.8

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 16.077 ug/l

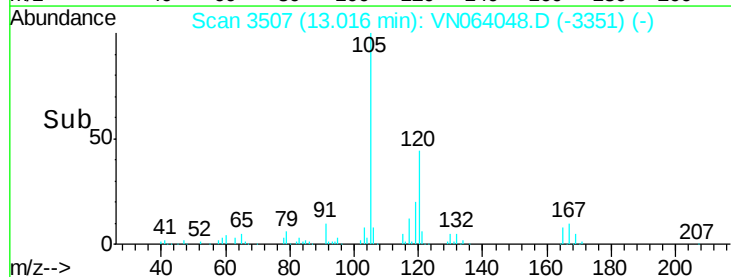
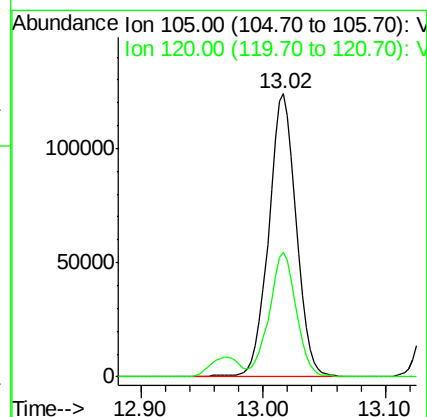
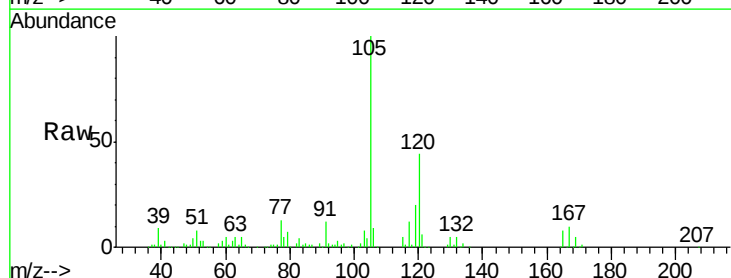
RT: 13.02 min Scan# 3507

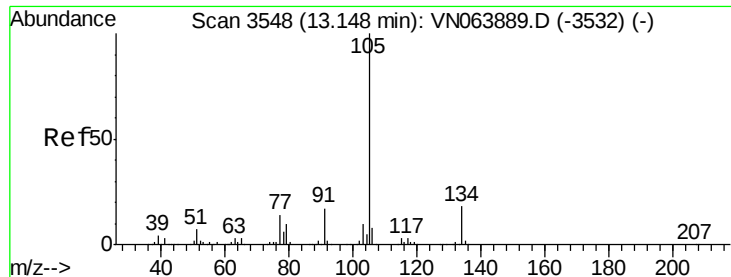
Delta R.T. 0.00 min

Lab File: VN064048.D

Acq: 9 Oct 2020 19:13

Tgt Ion:	105	Resp:	195099
Ion Ratio	Lower	Upper	
105	100		
120	43.5	0.0	90.4





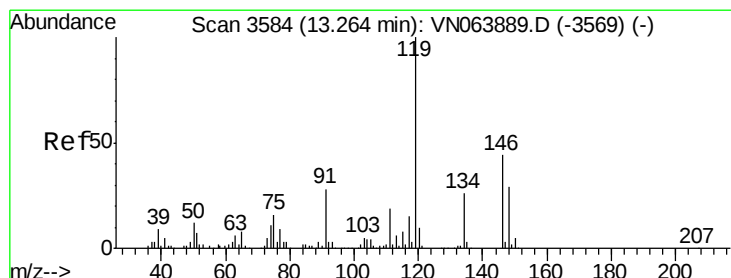
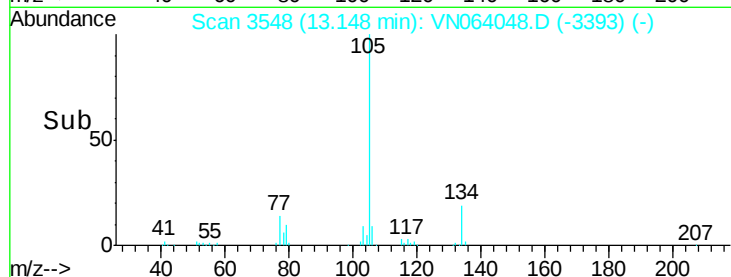
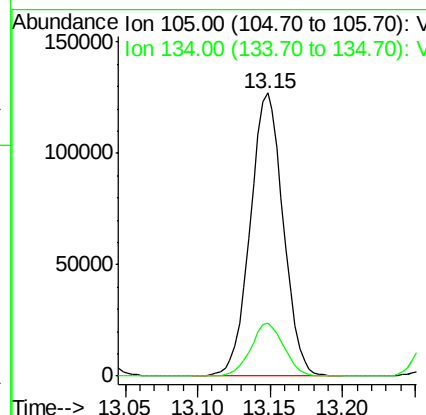
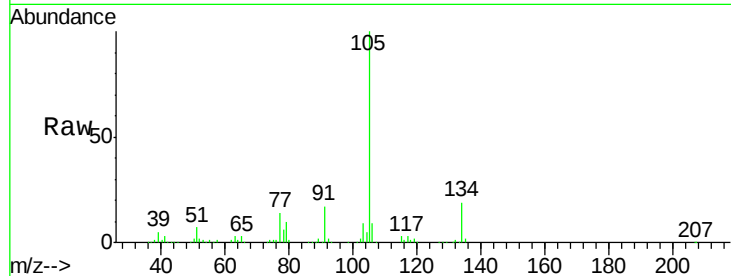
#81
 sec-Butylbenzene
 Concen: 15.836 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	201858		
134	18.6	0.0	39.4	

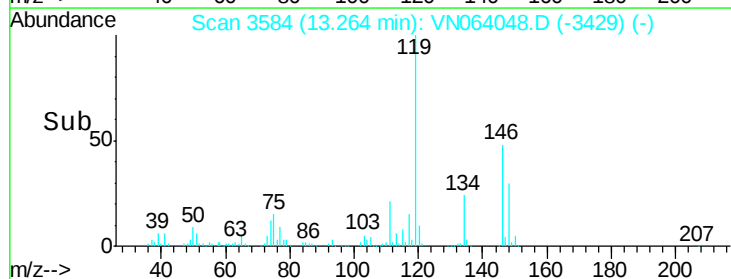
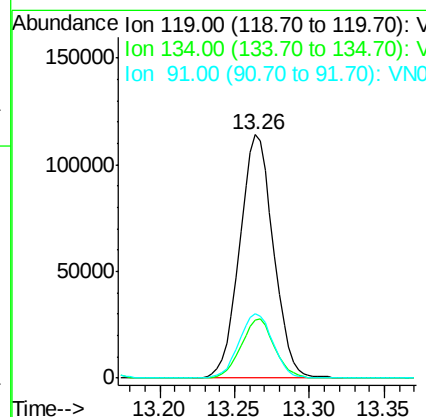
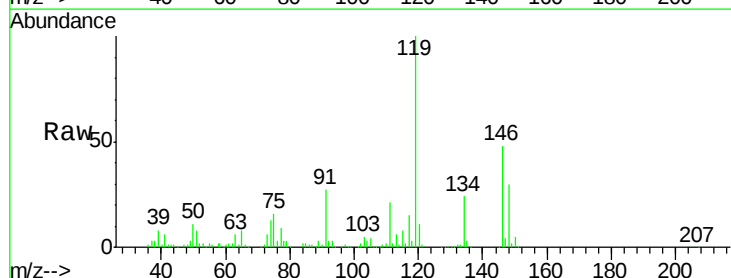
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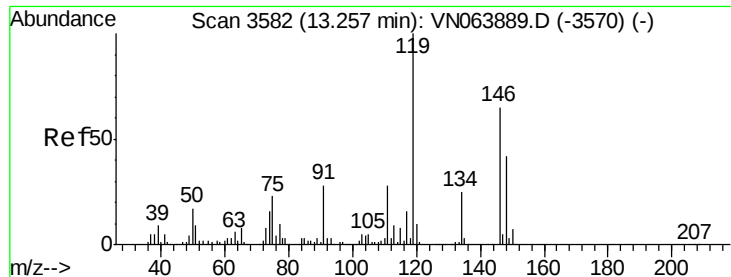
MMDadoda
 10/12/2020 2:10:10 PM



#82
 p-Isopropyltoluene
 Concen: 15.536 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	178996		
134	24.0	0.0	52.2	
91	26.9	0.0	46.2	





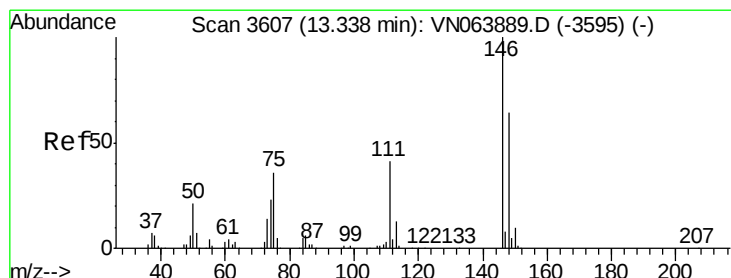
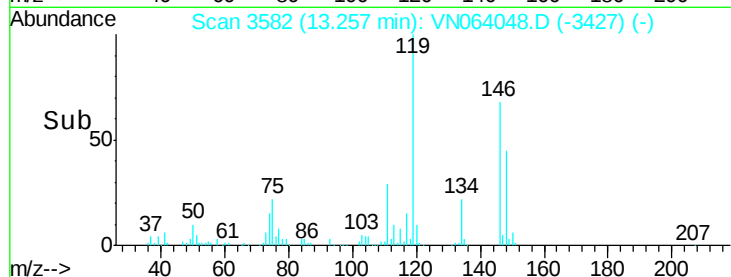
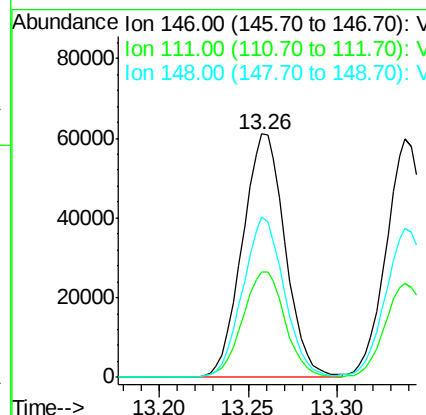
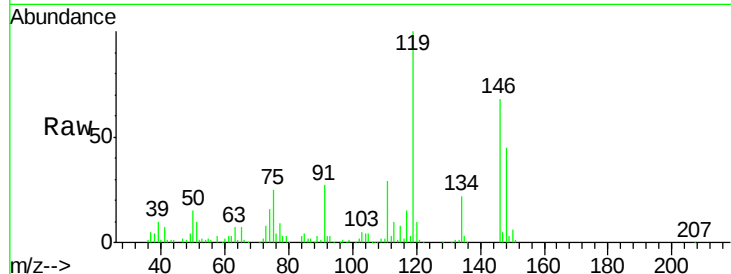
#83
1,3-Dichlorobenzene
Concen: 15.804 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	19.4	58.1
148	63.7	31.5	94.5

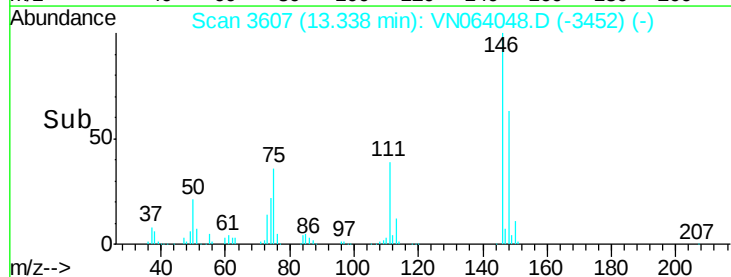
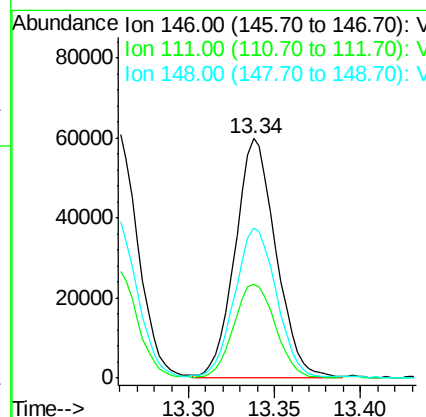
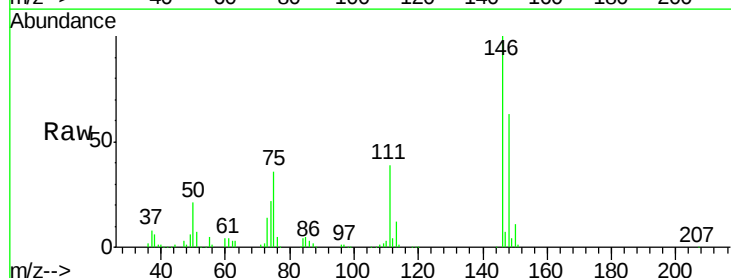
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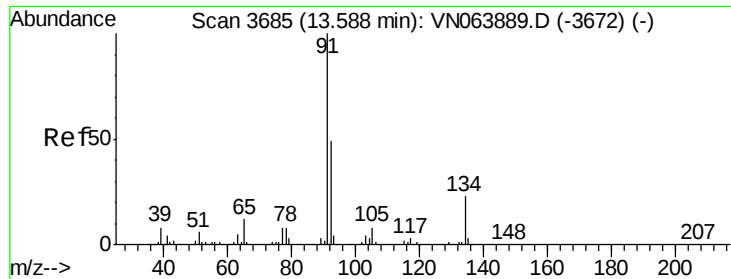
MMDadoda
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#84
1,4-Dichlorobenzene
Concen: 15.282 ug/l
RT: 13.34 min Scan# 3607
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.6	55.8
148	63.3	31.6	94.8





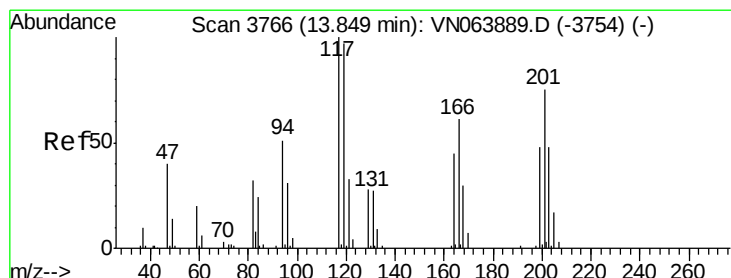
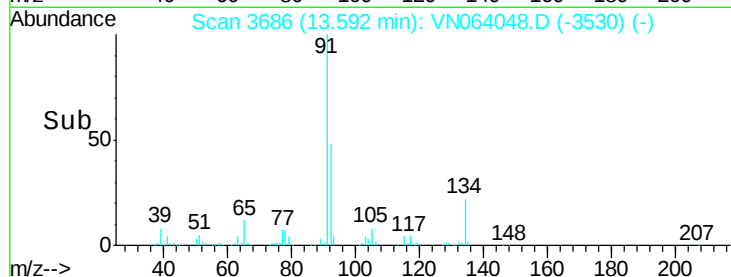
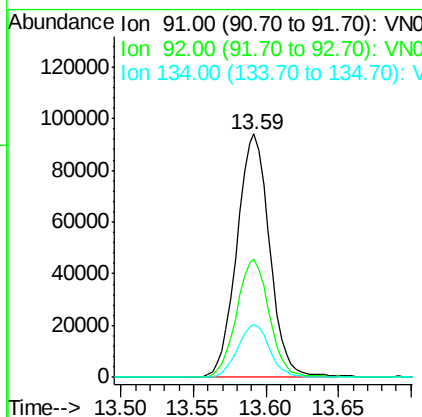
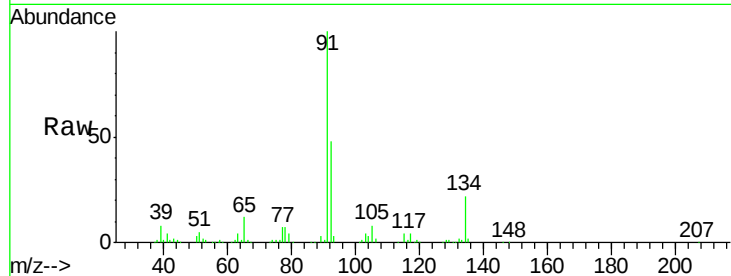
#85
n-Butylbenzene
Concen: 14.699 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	148162		
92	48.2		0.0	100.6
134	21.2		0.0	47.4

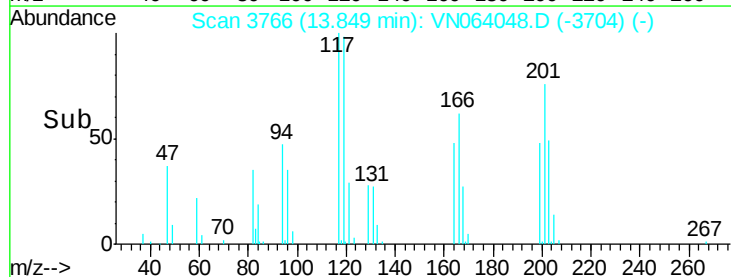
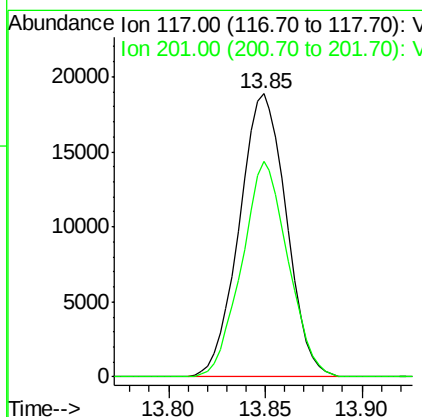
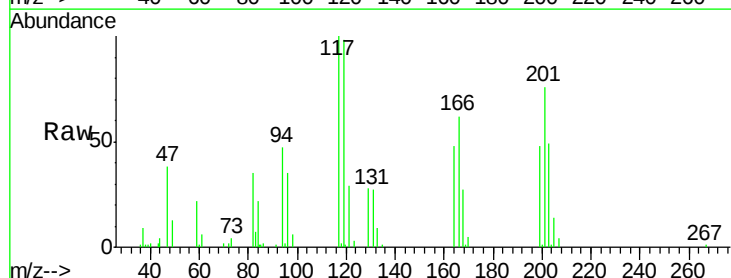
Manual Integrations
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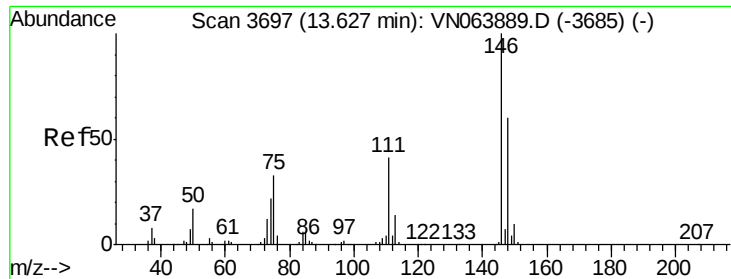
MMDadoda
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#86
Hexachloroethane
Concen: 16.097 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31961		
201	74.6		46.1	138.3





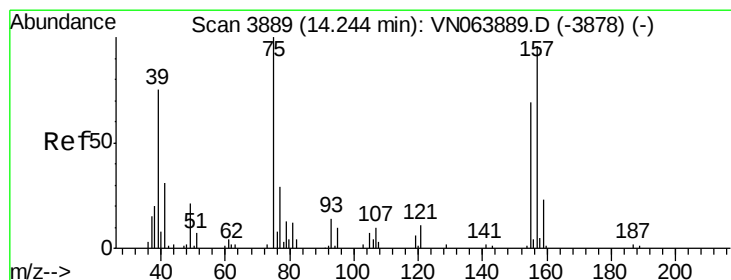
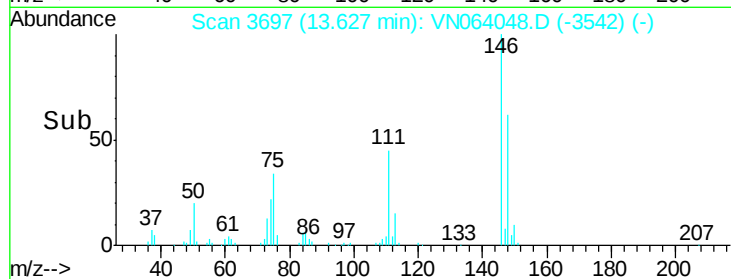
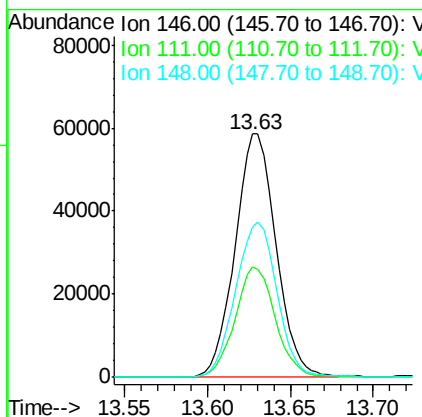
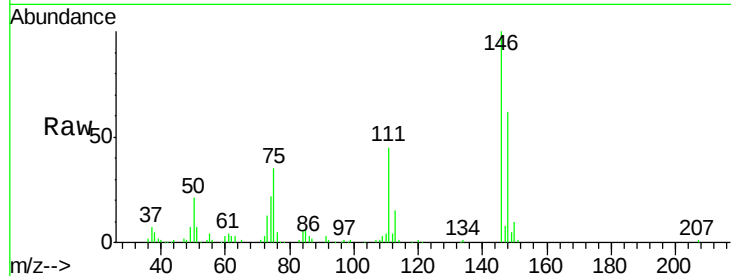
#87
 1,2-Dichlorobenzene
 Concen: 15.873 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	19.1	57.3
148	64.4	31.8	95.4

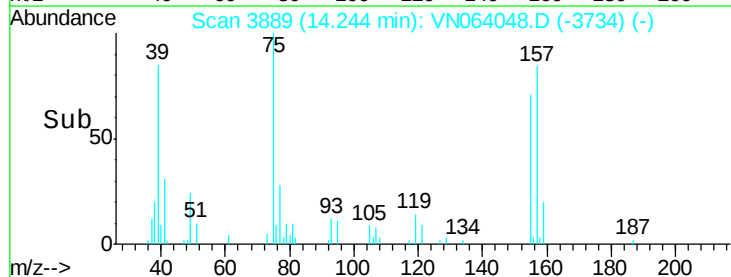
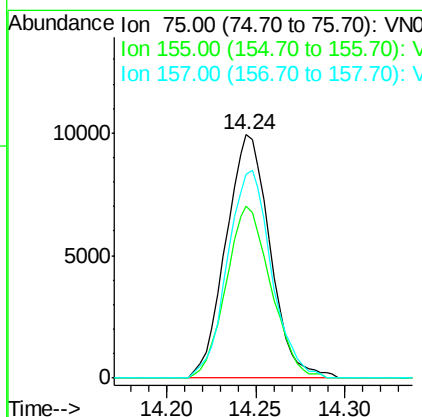
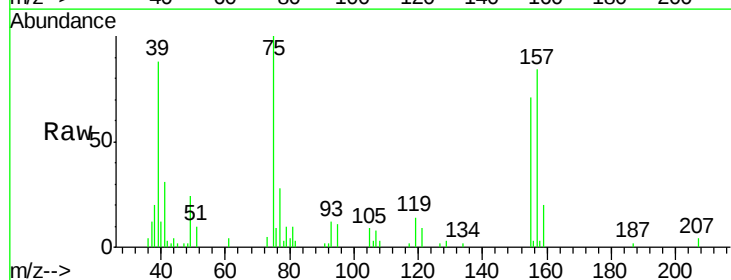
Manual Integrations
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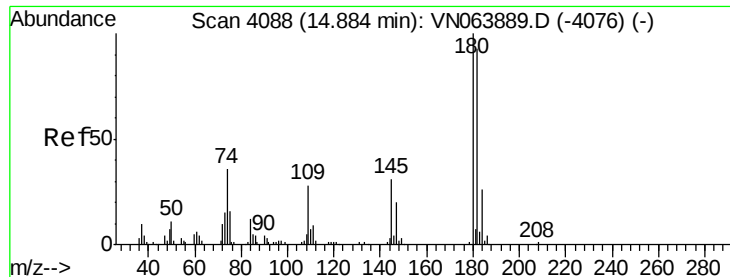
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 10/12/2020 2:10:10 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.809 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	64.8	97.2
157	85.2	81.2	121.8





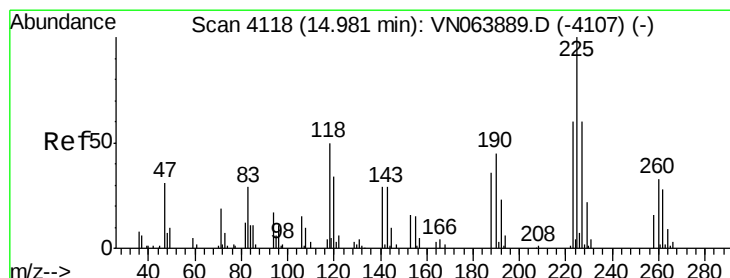
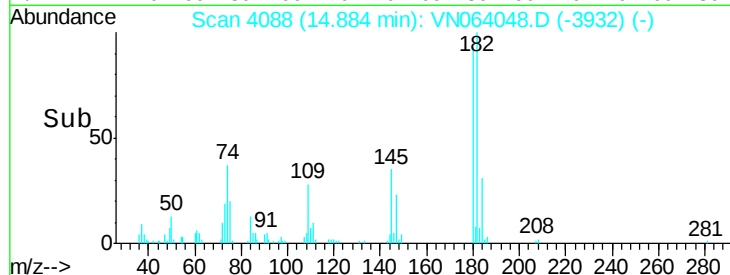
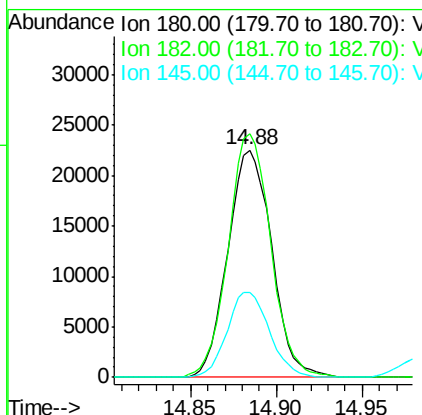
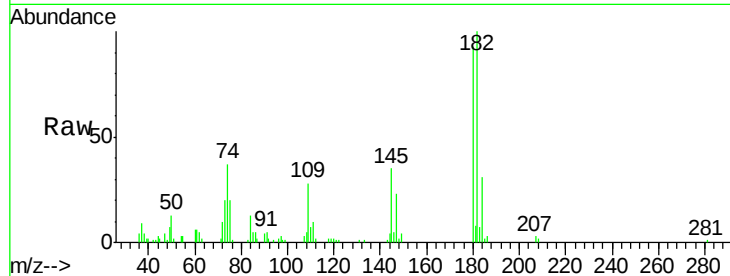
#89
 1,2,4-Trichlorobenzene
 Concen: 12.461 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.8	76.9	115.3
145	36.1	21.9	32.9

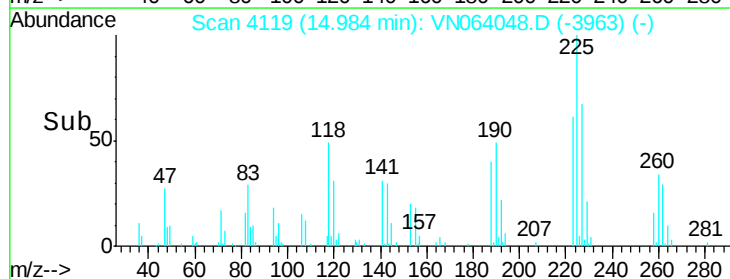
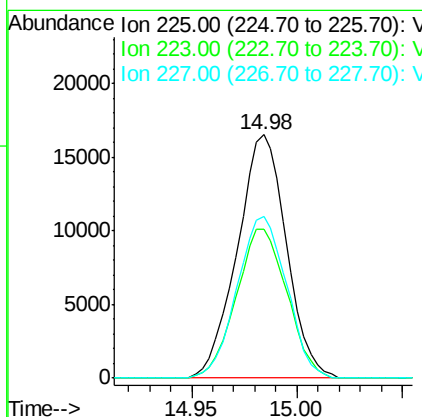
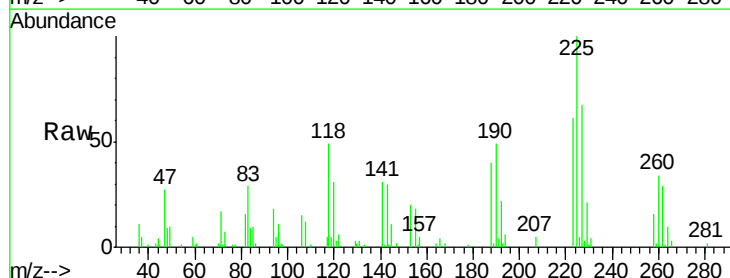
Manual Integrations
 APPROVED

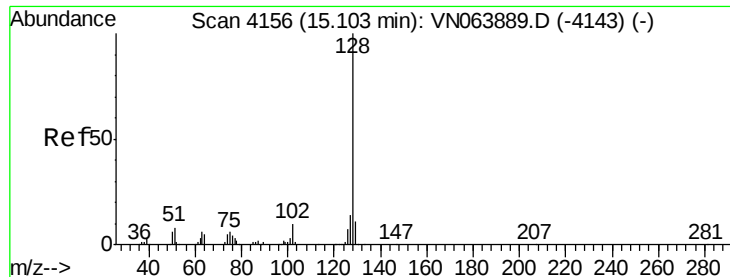
MMDadoda
 10/12/2020 2:10:10 PM



#90
 Hexachlorobutadiene
 Concen: 15.635 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064048.D
 Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	0.0	122.8
227	66.7	0.0	125.6





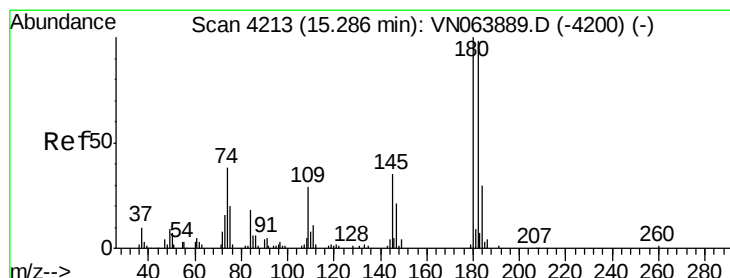
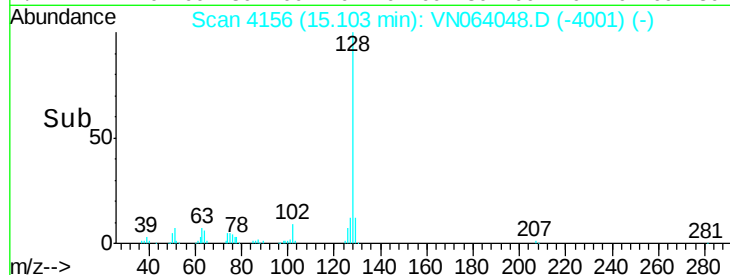
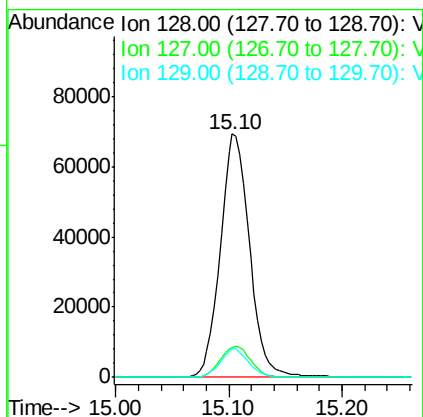
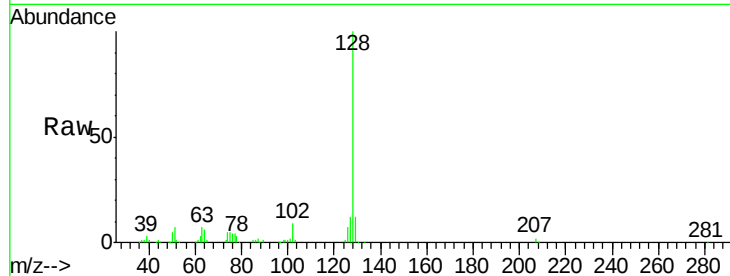
#91
Naphthalene
Concen: 12.650 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.1	16.7
129	11.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:10:10 PM



#92
1,2,3-Trichlorobenzene
Concen: 14.167 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064048.D
Acq: 9 Oct 2020 19:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	0.0	188.0
145	33.8	0.0	62.0

