

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063888.D
 Acq On : 6 Oct 2020 10:00
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:27 PM

Quant Time: Oct 06 12:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50937	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	269623	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	258116	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	144491	38.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	126.90%
60) 4-Bromofluorobenzene	12.38	95	123522	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	10.06	98	347870	29.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	15349	4.153	ug/l 97
3) Chloromethane	2.04	50	17427	4.354	ug/l 93
4) Vinyl Chloride	2.16	62	17683	4.384	ug/l 94
5) Bromomethane	2.54	94	12355	4.942	ug/l 98
6) Chloroethane	2.68	64	11965	4.969	ug/l 92
7) Trichlorofluoromethane	2.99	101	30586	5.942	ug/l 99
8) Diethyl Ether	3.37	74	8960	5.260	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	16311	5.854	ug/l 76
10) 1,1-Dichloroethene	3.70	96	14326	5.699	ug/l 89
11) Methyl Iodide	3.91	142	14694	4.299	ug/l 92
12) Methyl Acetate	4.28	43	15745	4.800	ug/l 96
13) Acrolein	3.56	56	5806m	17.857	ug/l
14) Acrylonitrile	4.93	53	33023	23.427	ug/l 95
15) Acetone	3.78	58	10258	24.973	ug/l 78
16) Carbon Disulfide	4.01	76	42306	6.135	ug/l 97
17) Allyl chloride	4.27	41	25530	5.414	ug/l 97
18) Methylene Chloride	4.50	84	17410	5.114	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	16467	5.962	ug/l 87
20) Diisopropyl ether	5.89	45	51205m	4.909	ug/l
21) 1,1-Dichloroethane	5.79	63	32830	5.574	ug/l 98
22) cis-1,2-Dichloroethene	6.77	96	18013	5.351	ug/l 95
23) tert-Butyl Alcohol	4.73	59	15377m	31.221	ug/l
24) Methyl tert-Butyl Ether	4.99	73	44329	4.886	ug/l # 66
25) Chloroform	7.33	83	34253	5.768	ug/l 97
26) Cyclohexane	7.61	56	21874	4.515	ug/l 94
29) 1,1-Dichloropropene	7.75	75	23345	5.548	ug/l 99
30) 2-Butanone	6.78	43	56586	28.706	ug/l # 98
31) 2,2-Dichloropropane	6.77	77	30557	5.980	ug/l # 80
32) 1,1,1-Trichloroethane	7.52	97	31818	6.192	ug/l 99
33) Carbon Tetrachloride	7.73	117	27813	6.315	ug/l 98
34) Benzene	8.00	78	68892	5.274	ug/l # 64
35) Methacrylonitrile	7.12	41	9470	5.187	ug/l 95
36) 1,2-Dichloroethane	8.08	62	32655	6.905	ug/l # 90
37) Trichloroethene	8.80	130	19878	6.154	ug/l 93
38) Methylcyclohexane	9.05	83	19190	3.944	ug/l 96
39) 1,2-Dichloropropane	9.08	63	19231	5.117	ug/l 100
40) Dibromomethane	9.17	93	13439	5.906	ug/l 97

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:27 PM

Quant Time: Oct 06 12:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	27616	5.582	ug/l	96
42) Vinyl Acetate	5.84	43	218752	28.344	ug/l	99
43) Ethyl Acetate	6.88	43	24642	6.425	ug/l #	78
44) Isopropyl Acetate	8.12	43	38201	5.828	ug/l #	100
45) 1,4-Dioxane	9.17	88	5385	96.445	ug/l	86
46) Methyl methacrylate	9.17	41	17223	5.331	ug/l	98
47) n-amyl Acetate	12.05	43	30860	5.352	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	27288	5.180	ug/l	96
49) cis-1,3-Dichloropropene	9.80	75	29050	5.164	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	17947	5.320	ug/l	96
51) Ethyl methacrylate	10.40	69	20407	4.369	ug/l	97
52) 1,3-Dichloropropane	10.68	76	30479	5.442	ug/l	99
53) Dibromochloromethane	10.87	129	18576	4.948	ug/l	94
54) 1,2-Dibromoethane	10.98	107	17670	5.344	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	63846	49.839	ug/l	99
56) Bromoform	12.10	173	12284	4.533	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	115744	28.340	ug/l	100
59) 2-Hexanone	10.72	43	86551	29.402	ug/l	95
61) Tetrachloroethene	10.60	164	17773	5.901	ug/l	95
62) Toluene	10.12	91	75250	5.277	ug/l	97
64) Chlorobenzene	11.41	112	46400	5.292	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.48	131	17978	5.177	ug/l	98
66) Ethyl Benzene	11.48	91	76552	4.898	ug/l	100
67) m/p-Xylenes	11.60	106	56383	9.645	ug/l	99
68) o-Xylene	11.92	106	26978	4.827	ug/l	97
69) Styrene	11.94	104	42572	4.382	ug/l	98
70) Isopropylbenzene	12.22	105	69473	4.589	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	23738	4.943	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	25029m	5.651	ug/l	
73) Bromobenzene	12.50	156	19430	4.843	ug/l	95
74) n-propylbenzene	12.57	91	83297	4.607	ug/l	98
75) 2-Chlorotoluene	12.65	91	50263	4.647	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	57228	4.447	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	7475	4.781	ug/l	93
78) 4-Chlorotoluene	12.75	91	53118	4.733	ug/l	98
79) tert-butylbenzene	12.97	119	47952	4.459	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	55626	4.397	ug/l	99
81) sec-Butylbenzene	13.14	105	60565	4.120	ug/l	95
82) p-Isopropyltoluene	13.26	119	53566	4.103	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	34257	4.863	ug/l	94
84) 1,4-Dichlorobenzene	13.34	146	33032	4.776	ug/l	96
85) n-Butylbenzene	13.59	91	45415	4.101	ug/l	98
86) Hexachloroethane	13.85	117	10189	4.078	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	33199	4.890	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	5333	6.283	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	14691	4.287	ug/l	93
90) Hexachlorobutadiene	14.98	225	8894	3.757	ug/l	91
91) Naphthalene	15.11	128	37120	4.487	ug/l	97
92) 1,2,3-Trichlorobenzene	15.29	180	13965	4.103	ug/l	99

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

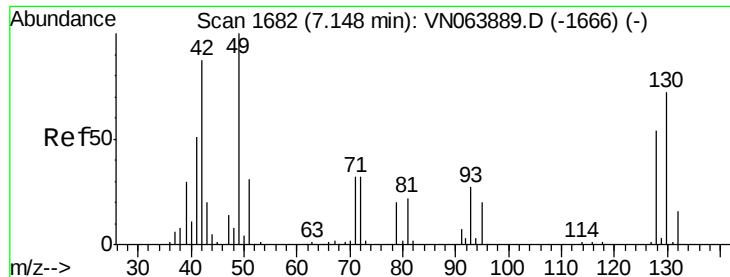
Manual Integrations
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10/7/2020 12:11:27 PM

Quant Time: Oct 06 12:30:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 12:20:09 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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

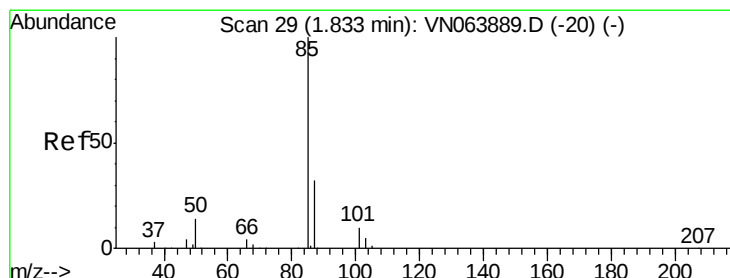
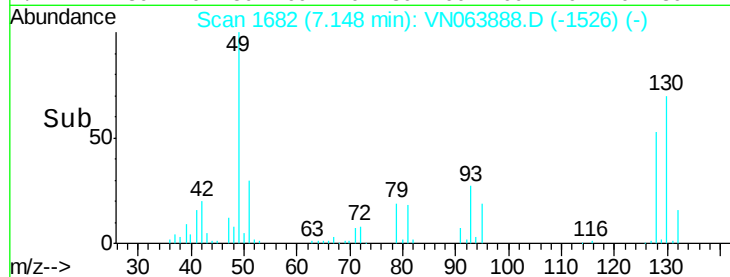
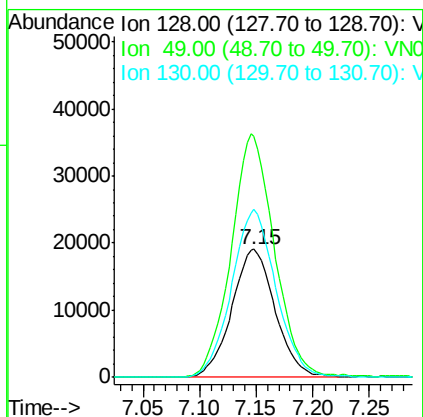
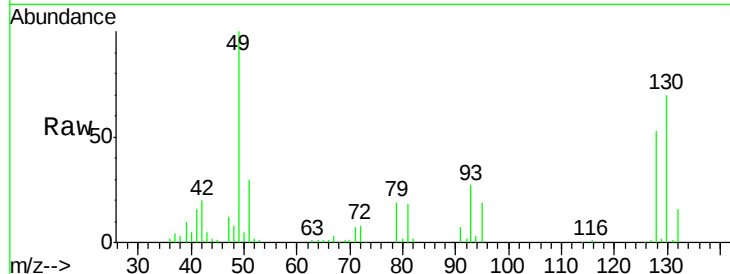
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	50937
Ion	Ratio	Lower	Upper
128	100		
49	188.5	0.0	461.8
130	133.6	0.0	331.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 4.153 ug/l

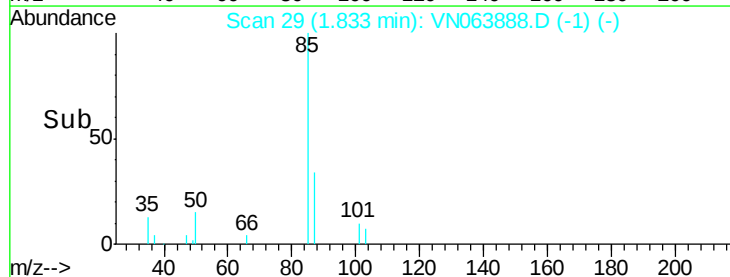
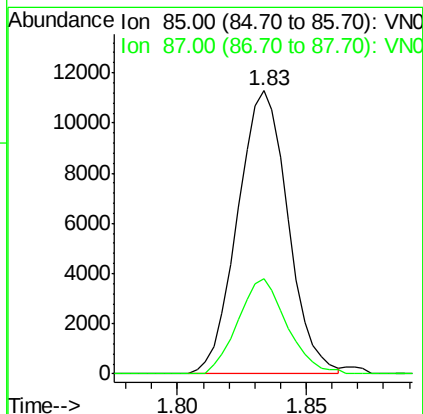
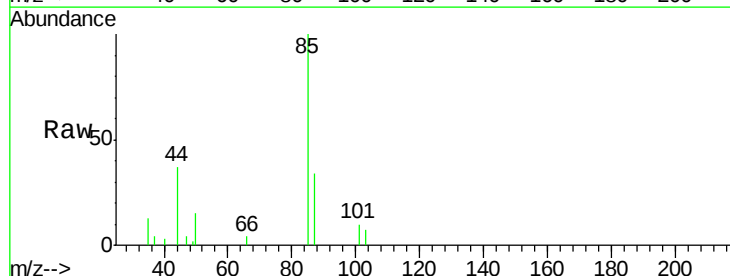
RT: 1.83 min Scan# 29

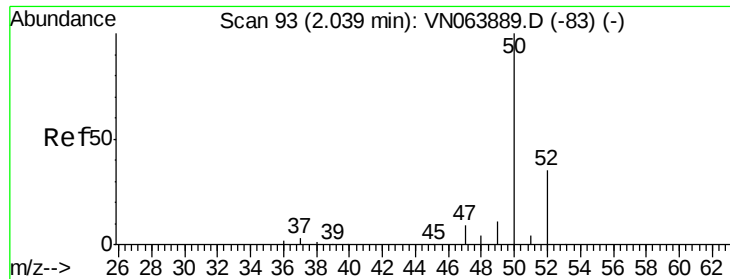
Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Tgt Ion:	85	Resp:	15349
Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.1	48.2





#3

Chloromethane

Concen: 4.354 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 17427

Ion Ratio Lower Upper

50 100

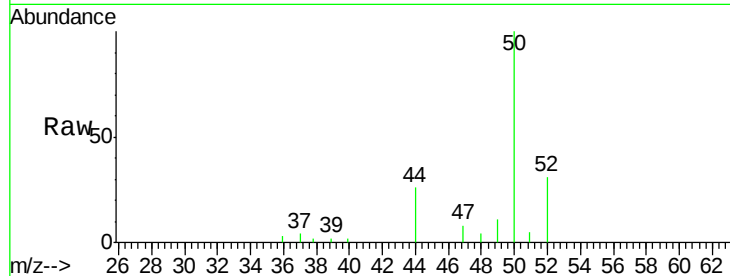
52 30.9 27.9 41.9

Manual Integrations

APPROVED

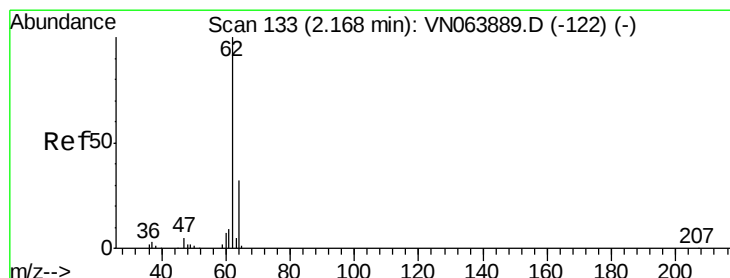
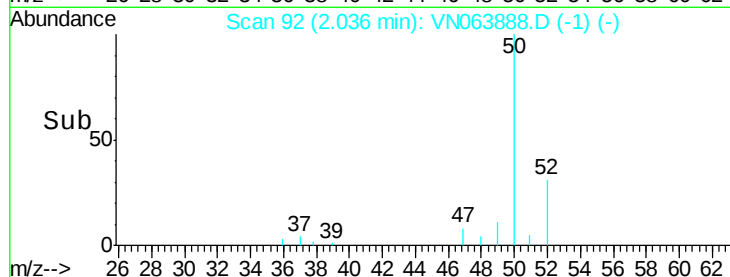
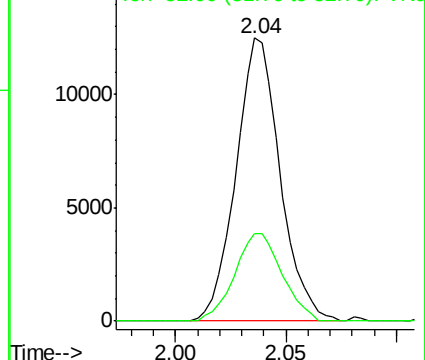
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.384 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063888.D

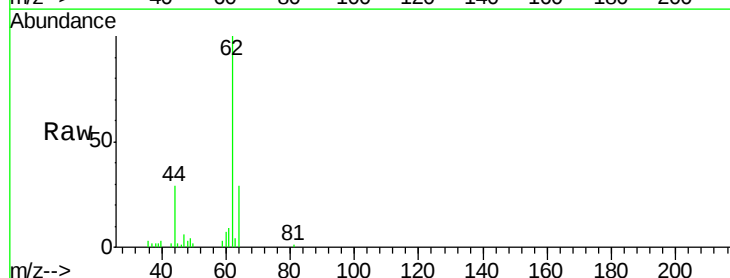
Acq: 6 Oct 2020 10:00

Tgt Ion: 62 Resp: 17683

Ion Ratio Lower Upper

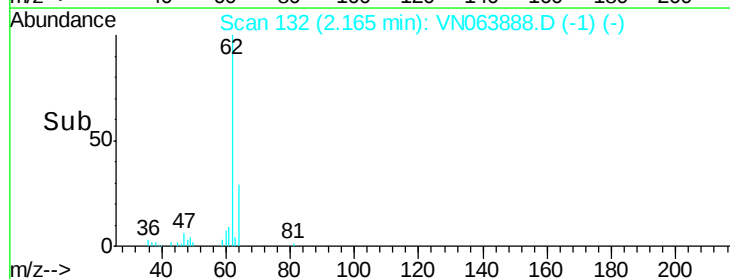
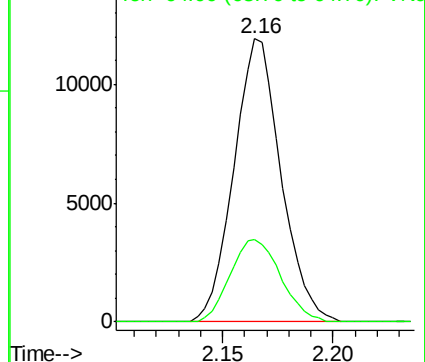
62 100

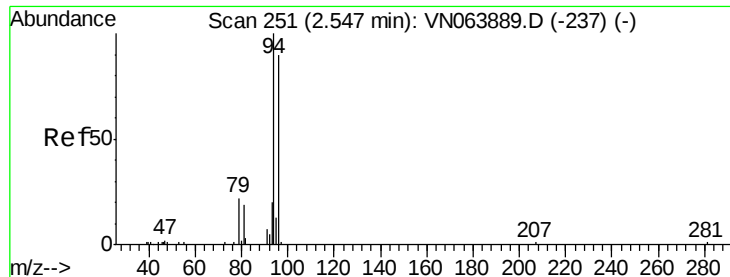
64 29.2 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 4.942 ug/l

RT: 2.54 min Scan# 249

Delta R.T. -0.01 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12355

Ion Ratio Lower Upper

94 100

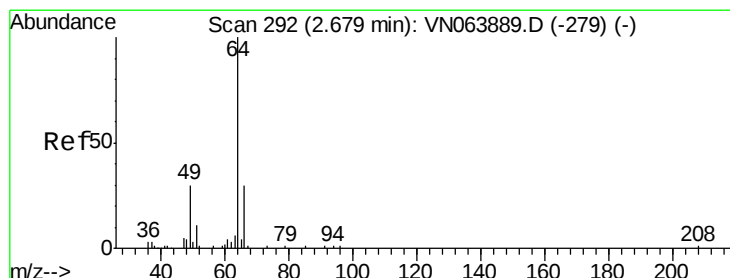
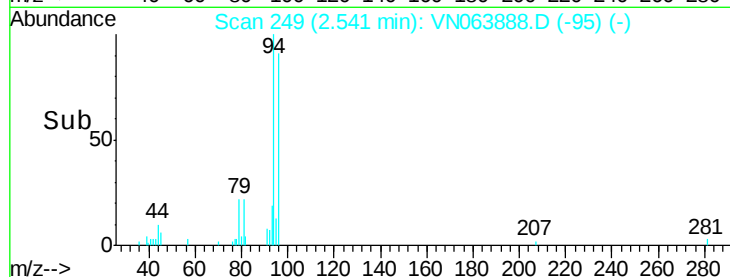
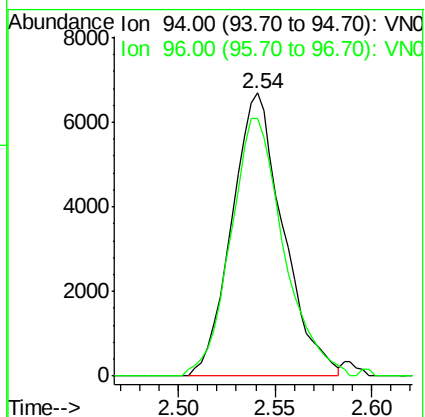
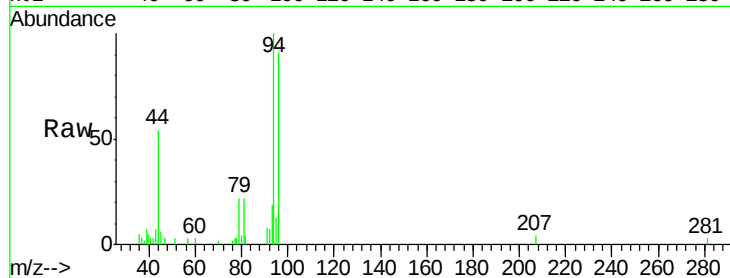
96 88.4 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 4.969 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063888.D

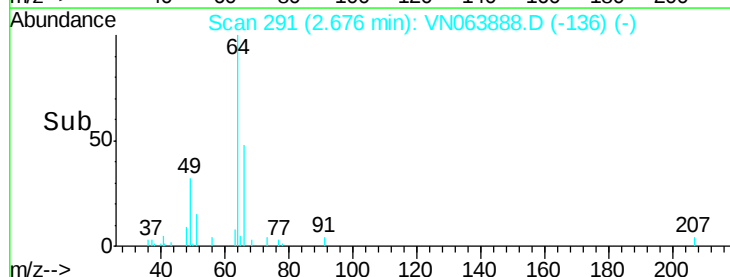
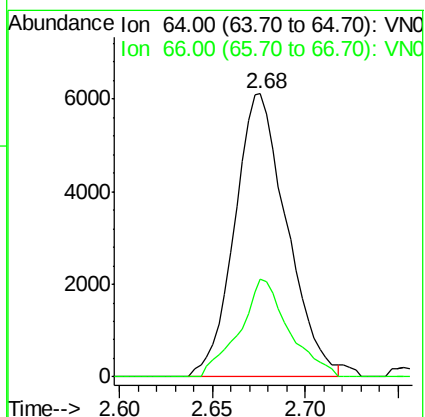
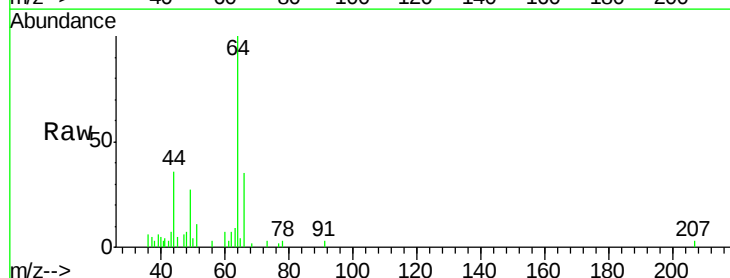
Acq: 6 Oct 2020 10:00

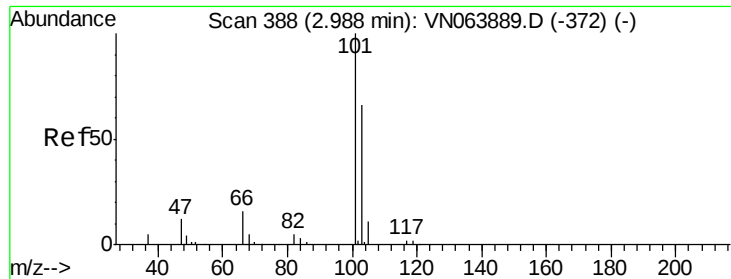
Tgt Ion: 64 Resp: 11965

Ion Ratio Lower Upper

64 100

66 34.6 24.2 36.2





#7

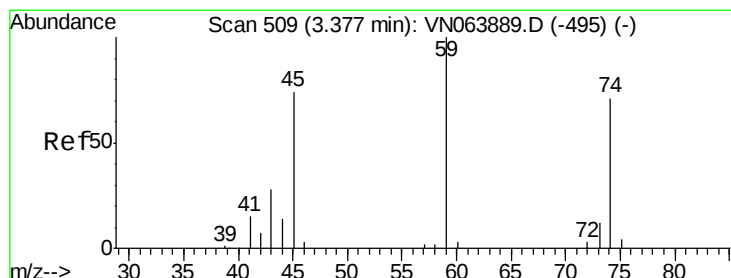
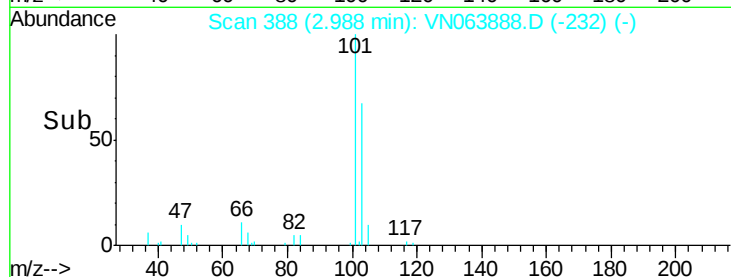
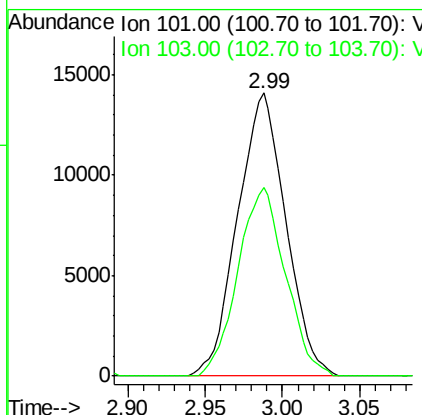
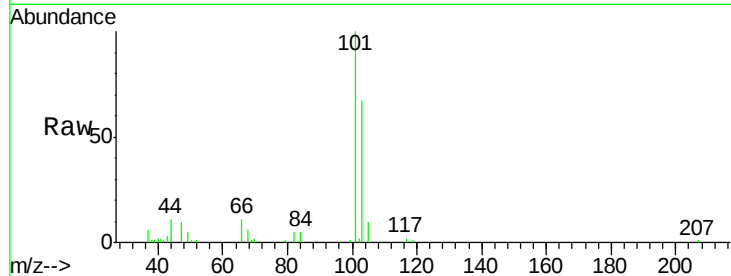
Trichlorofluoromethane
Concen: 5.942 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.6	78.8

Manual Integrations
APPROVED

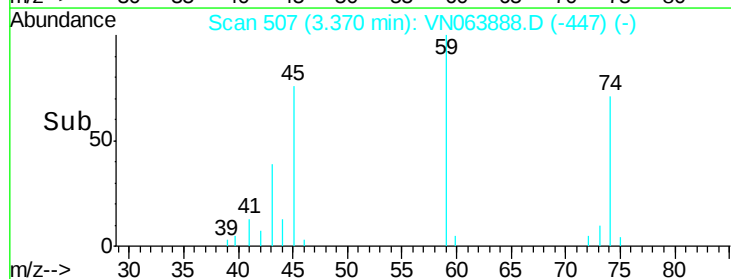
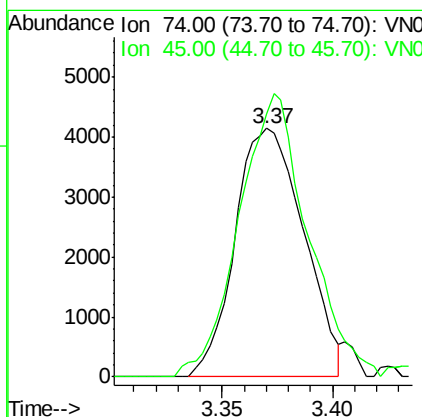
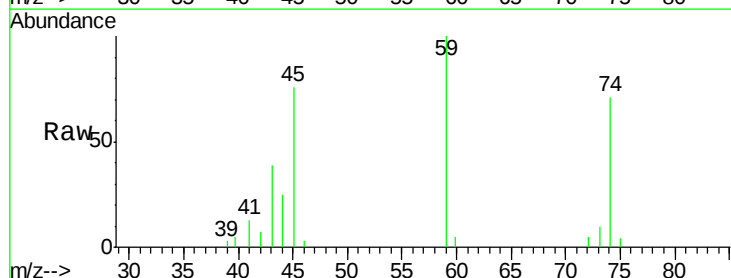
MMDadoda
10/7/2020 12:11:27 PM

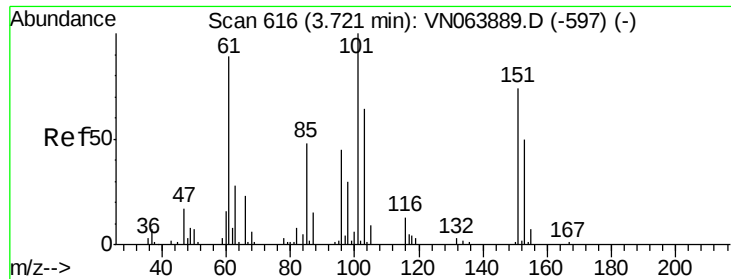


#8

Diethyl Ether
Concen: 5.260 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.01 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.1	21.4	192.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.854 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

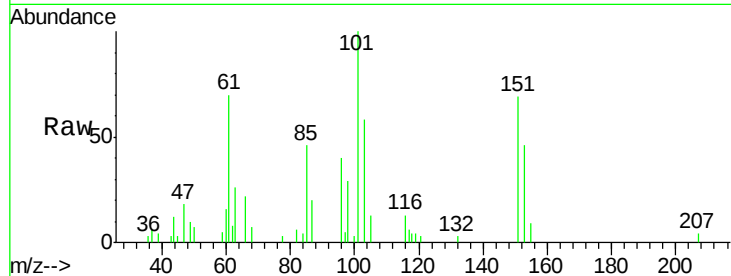
ClientSampleId :

VSTDIC005

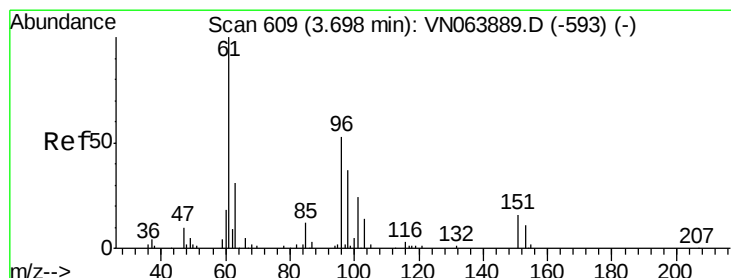
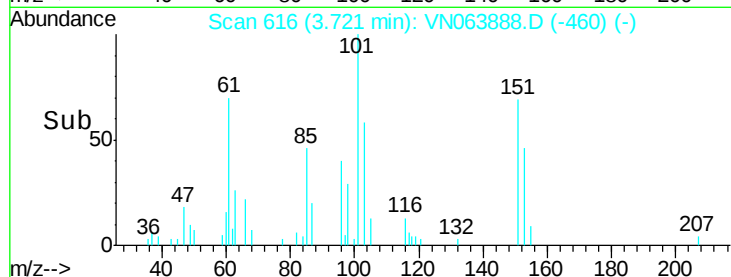
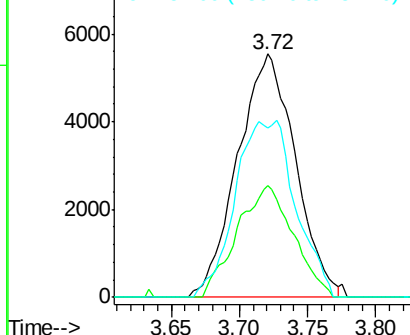
Tot Ion:	101	Resp:	16311
Ion Ratio	Lower	Upper	
101	100		
85	44.9	0.0	94.6
151	42.6	0.0	147.0

Manual Integrations
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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.699 ug/l

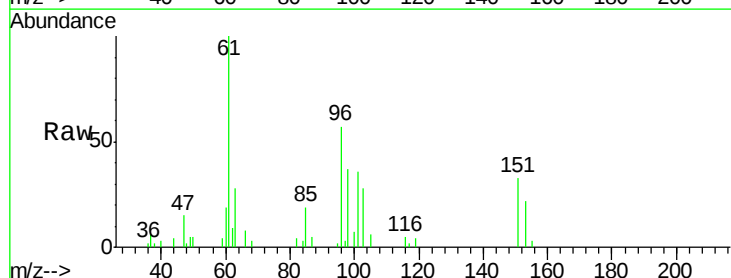
RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

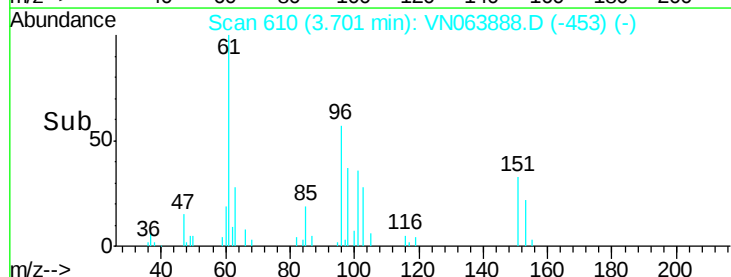
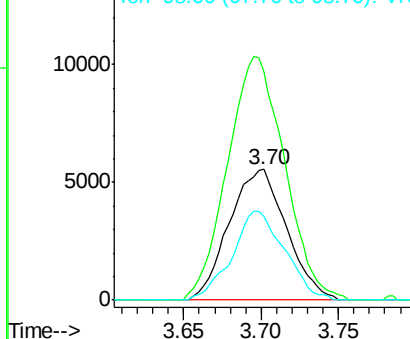
Lab File: VN063888.D

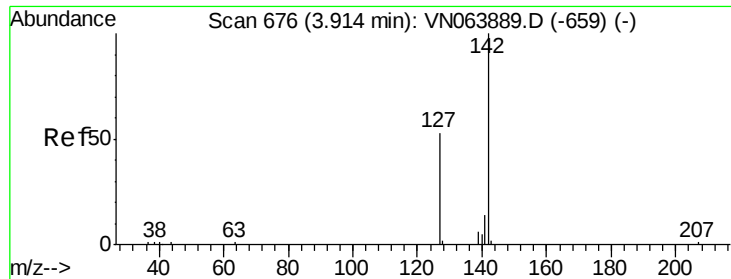
Acq: 6 Oct 2020 10:00

Tgt Ion:	96	Resp:	14326
Ion Ratio	Lower	Upper	
96	100		
61	169.9	150.4	225.6
98	64.5	55.8	83.8



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





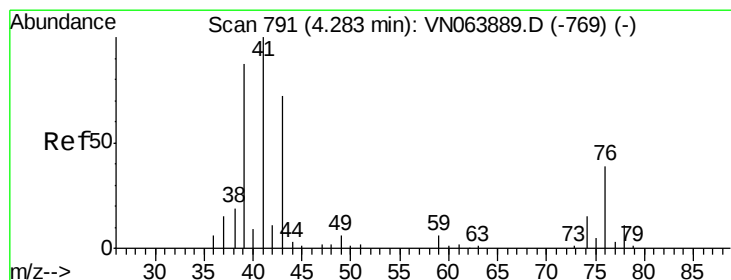
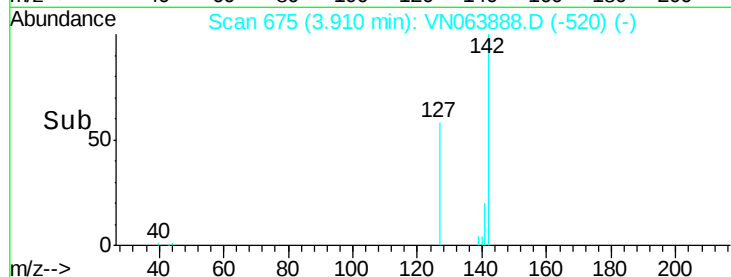
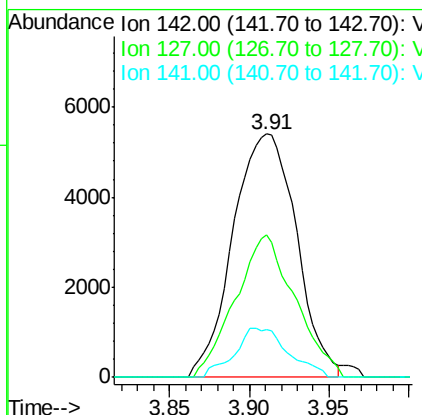
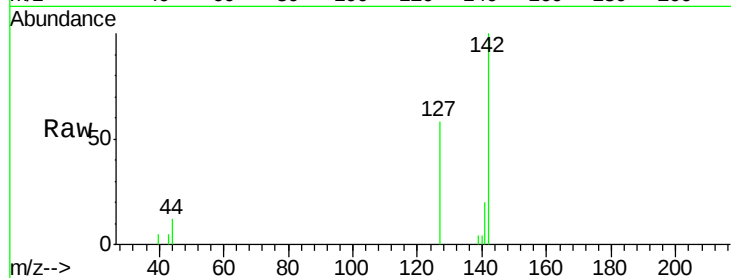
#11
Methyl Iodide
Concen: 4.299 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	57.8	26.5	79.4
141	20.2	7.1	21.4

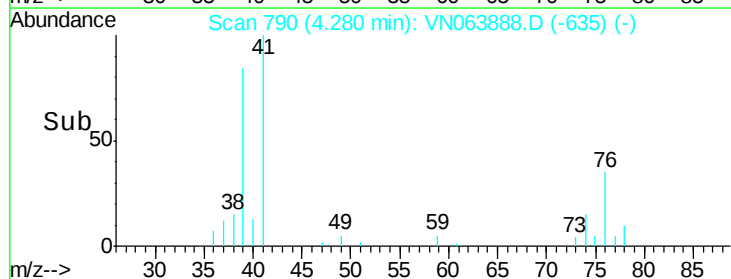
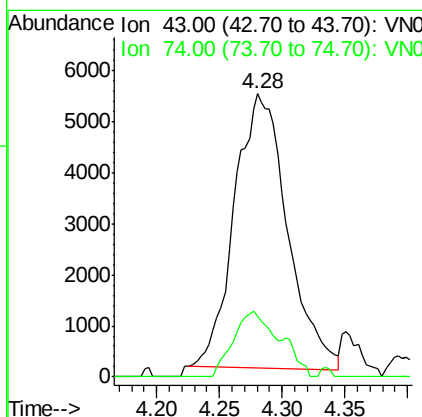
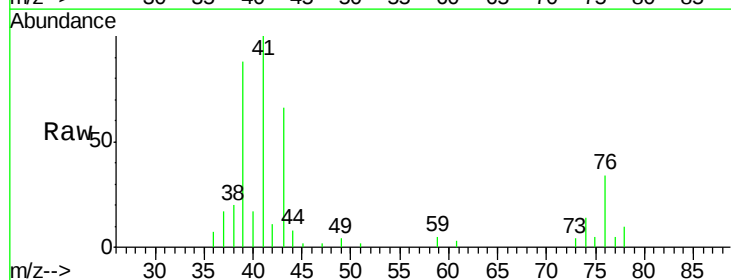
Manual Integrations
APPROVED

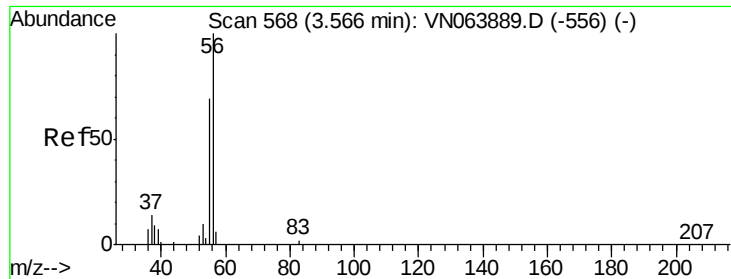
MMDadoda
10/7/2020 12:11:27 PM



#12
Methyl Acetate
Concen: 4.800 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	16.7	25.1





#13

Acrolein

Concen: 17.857 ug/l m

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5806

Ion Ratio Lower Upper

56 100

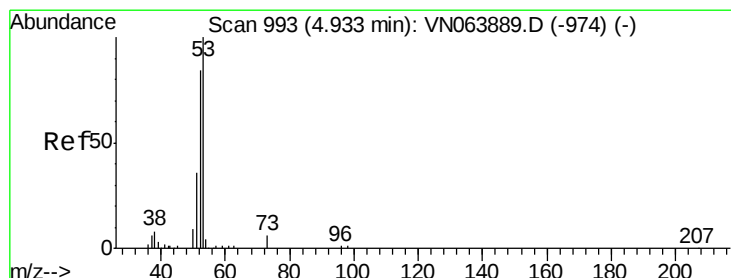
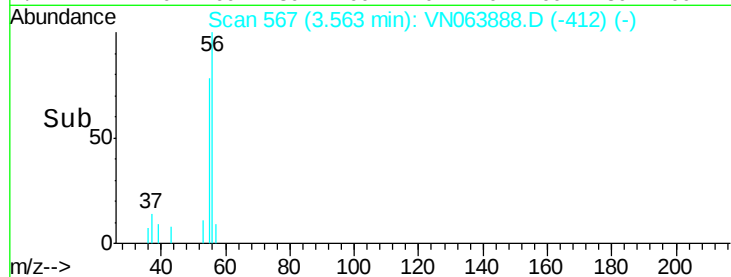
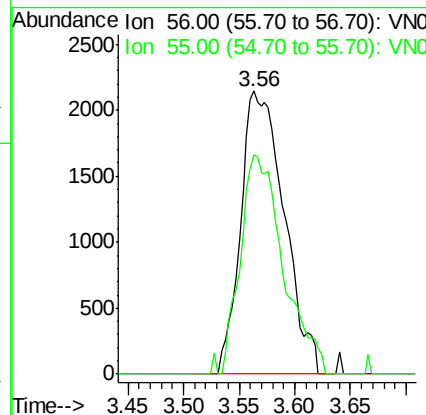
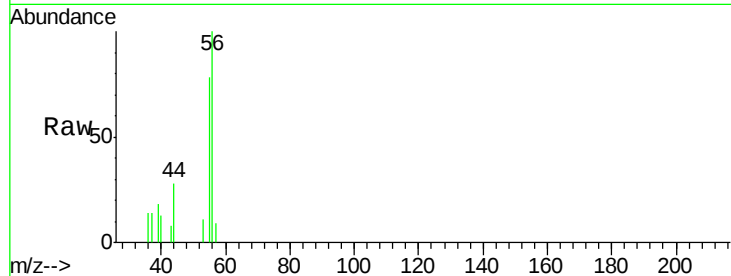
55 43.0 58.6 87.8#

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:27 PM



#14

Acrylonitrile

Concen: 23.427 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

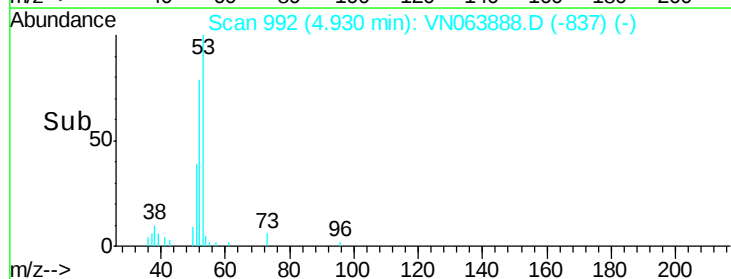
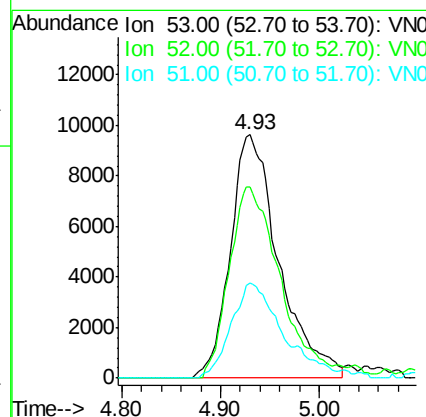
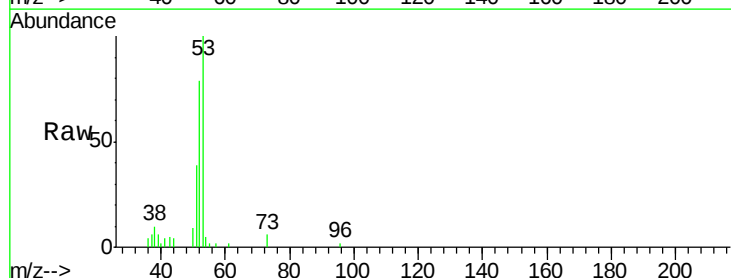
Tgt Ion: 53 Resp: 33023

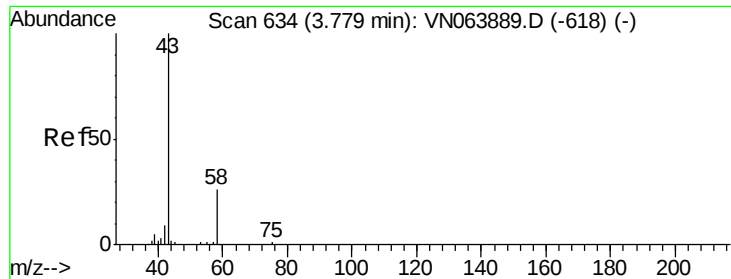
Ion Ratio Lower Upper

53 100

52 81.5 43.2 129.6

51 35.3 19.4 58.4





#15

Acetone

Concen: 24.973 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Tot Ion: 58 Resp: 10258

Ion Ratio Lower Upper

58 100

43 328.2 302.4 453.6

Instrument :

MSVOA_N

ClientSampleId :

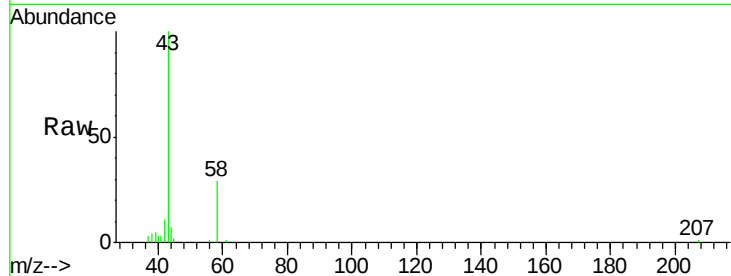
VSTDIC005

Manual Integrations

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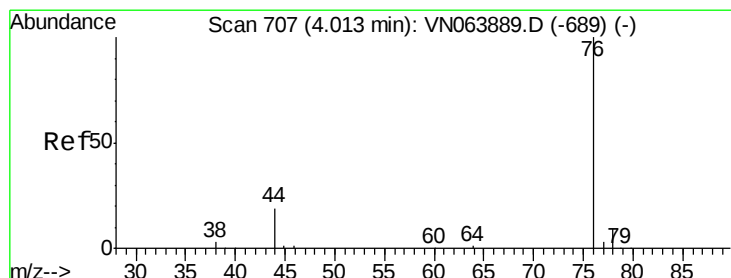
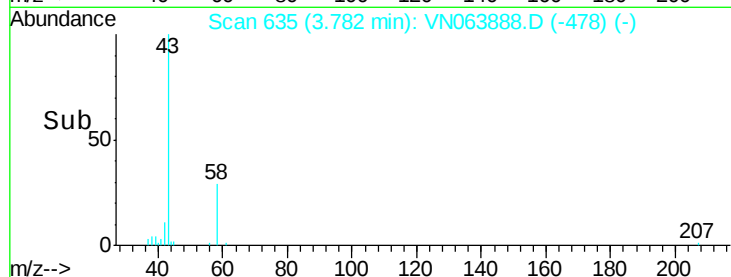
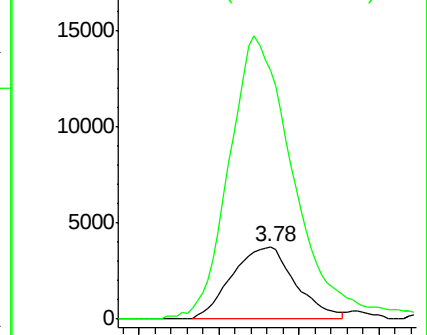
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 6.135 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063888.D

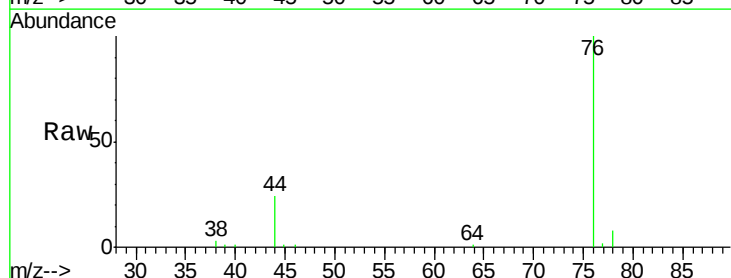
Acq: 6 Oct 2020 10:00

Tgt Ion: 76 Resp: 42306

Ion Ratio Lower Upper

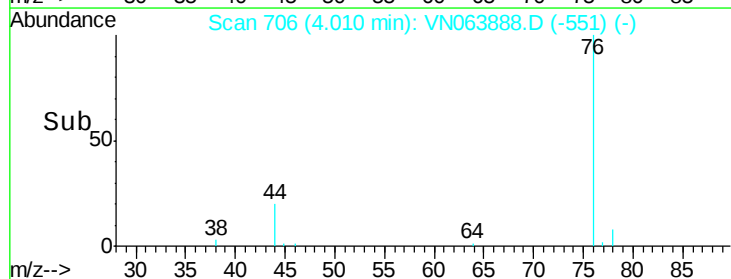
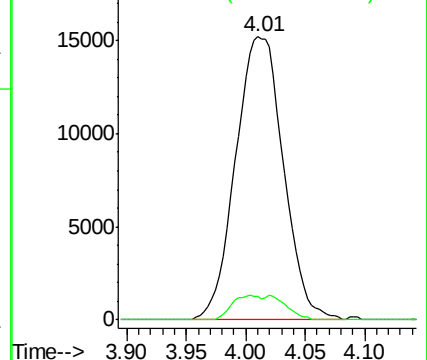
76 100

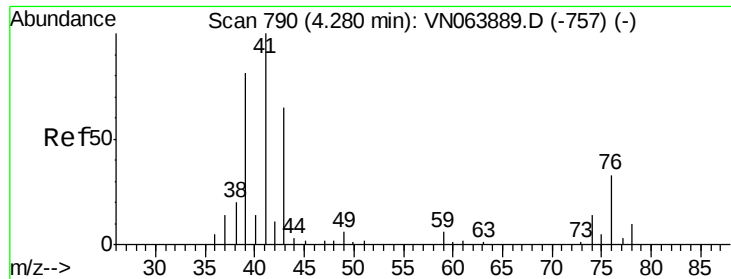
78 8.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





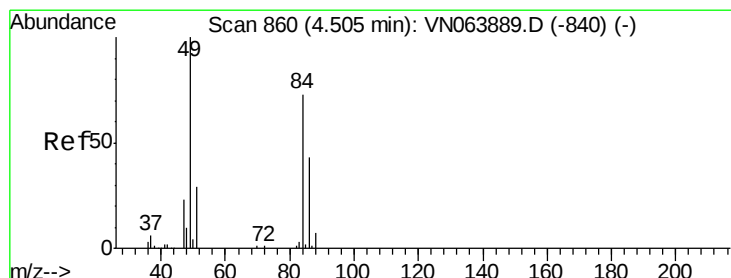
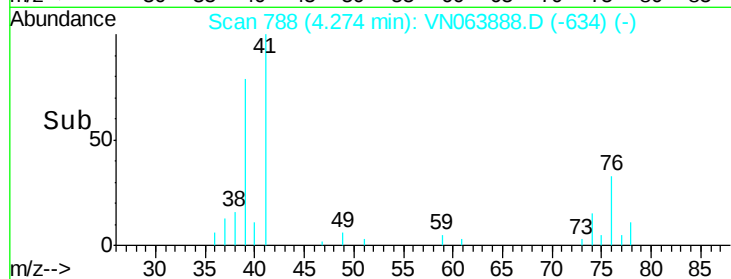
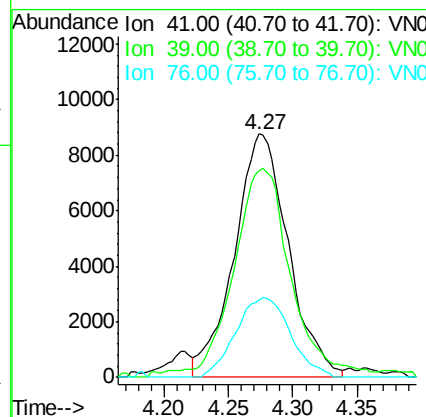
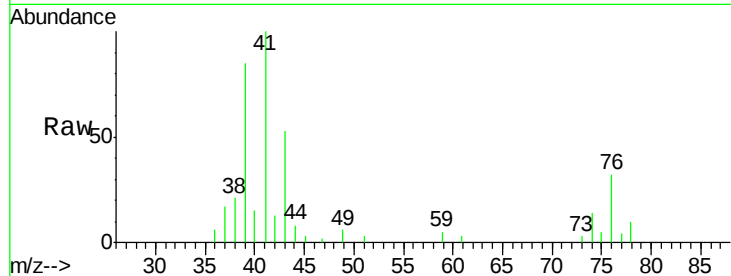
#17
Allvl chloride
Concen: 5.414 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	84.0	40.7	122.1
76	32.8	17.0	50.9

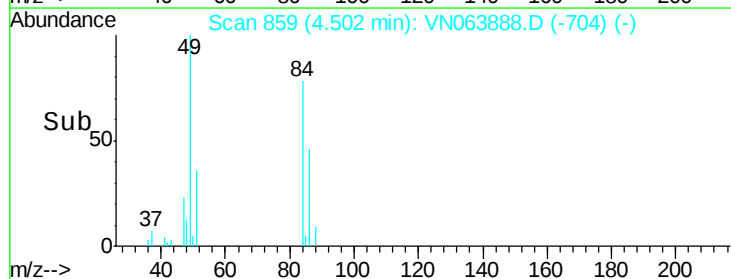
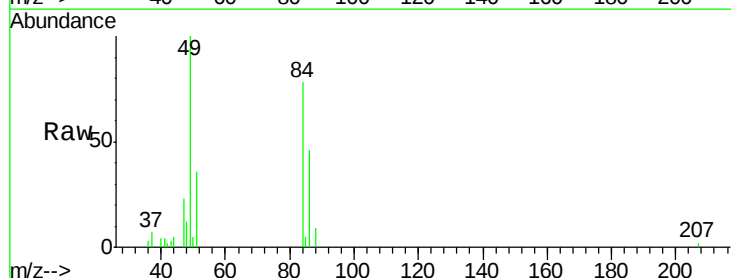
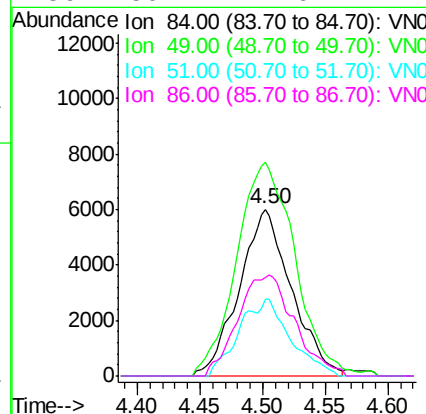
Manual Integrations
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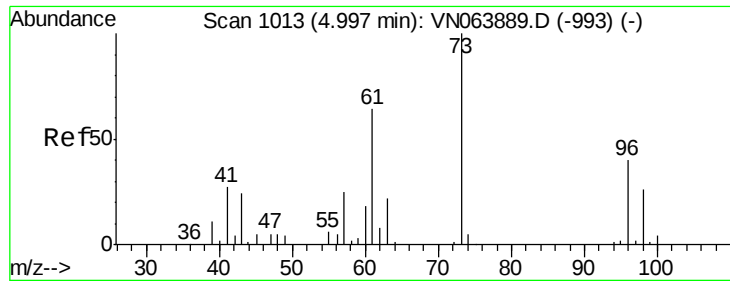
MMDadoda
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#18
Methylene Chloride
Concen: 5.114 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.9	109.7	164.5
51	45.9	31.4	47.2
86	59.4	47.6	71.4





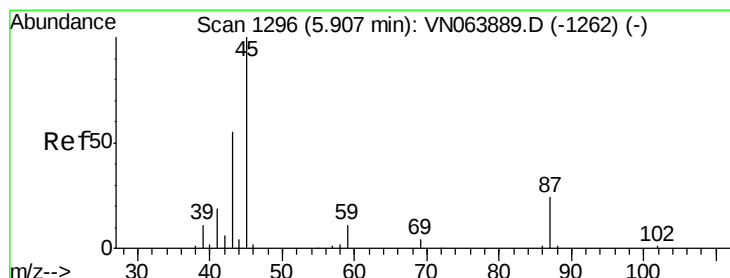
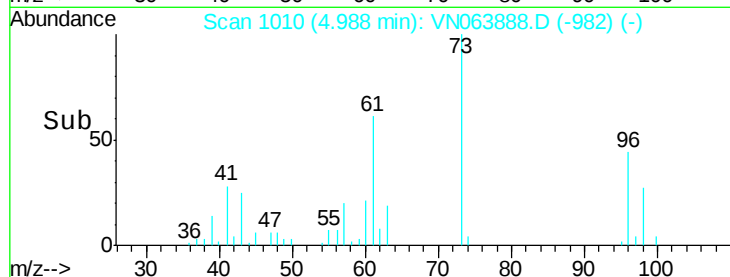
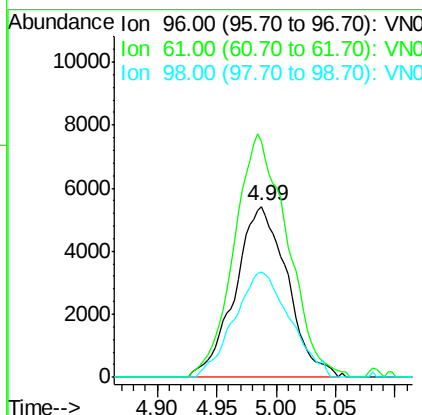
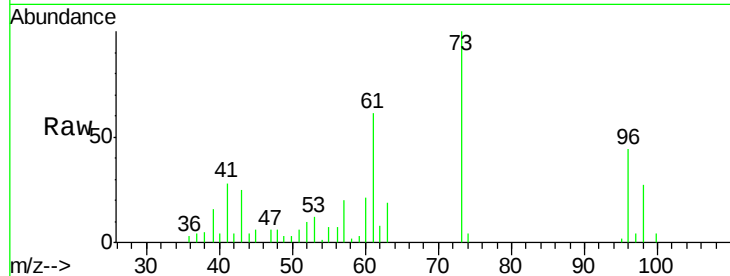
#19
trans-1,2-Dichloroethene
Concen: 5.962 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	127.9	191.9
98	61.4	52.5	78.7

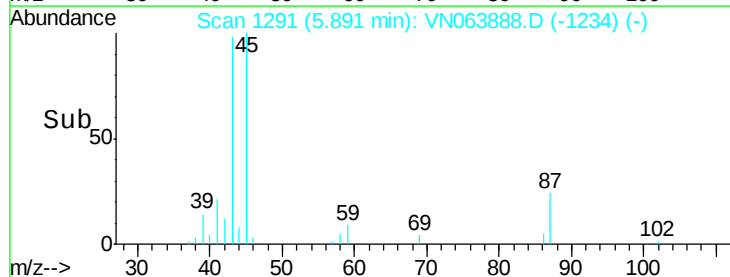
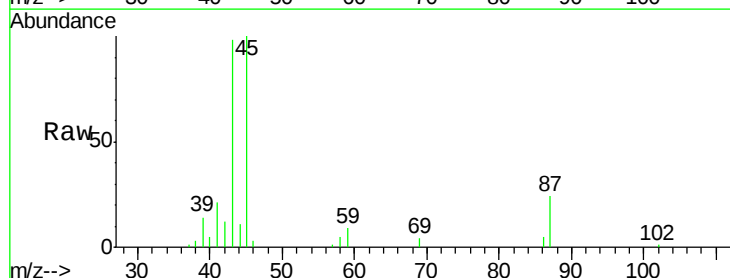
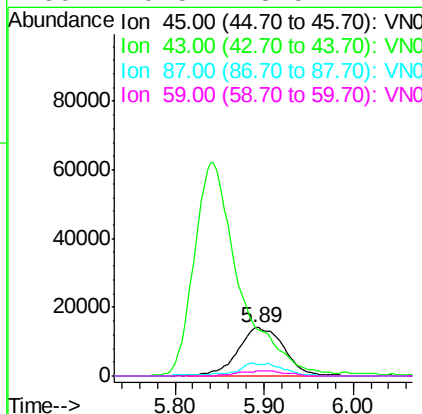
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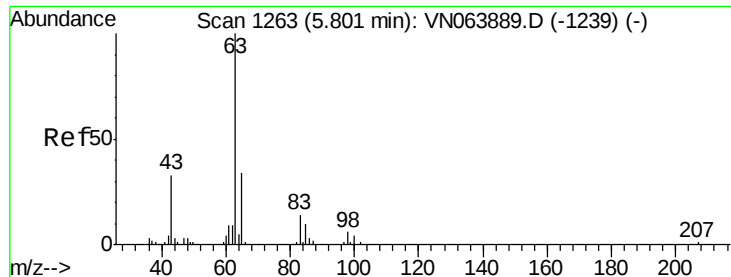
MMDadoda
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#20
Diisopropyl ether
Concen: 4.909 ug/l m
RT: 5.89 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	98.1	51.3	76.9#
87	24.0	19.5	29.3
59	9.5	8.5	12.7





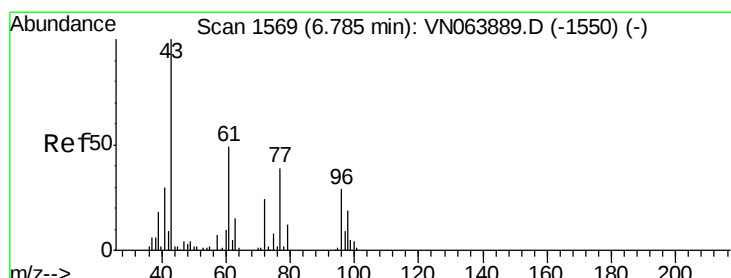
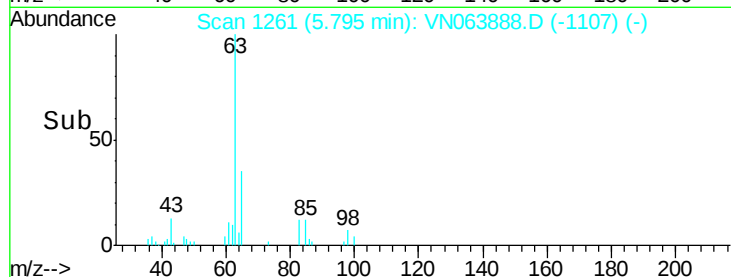
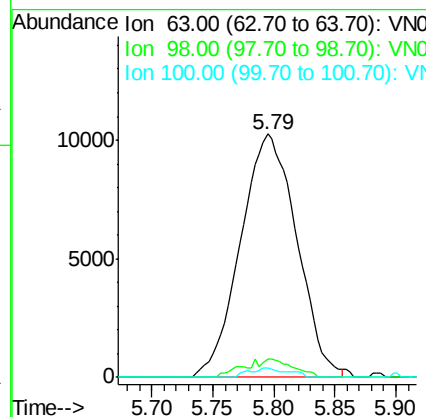
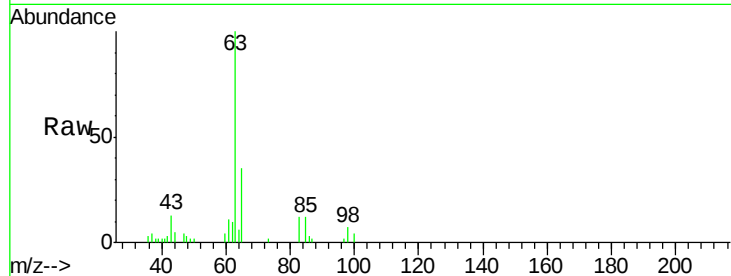
#21
 1,1-Dichloroethane
 Concen: 5.574 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.3	9.8
100	4.0	2.0	5.8

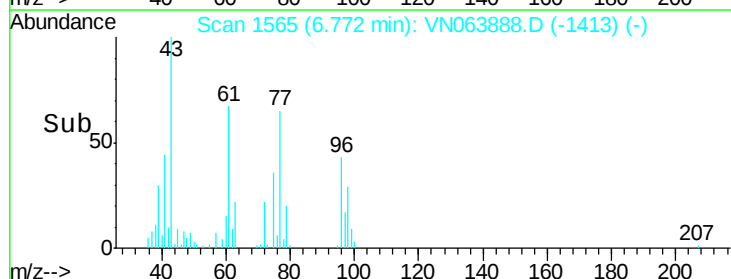
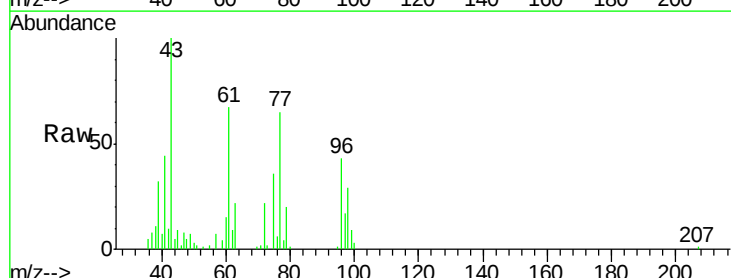
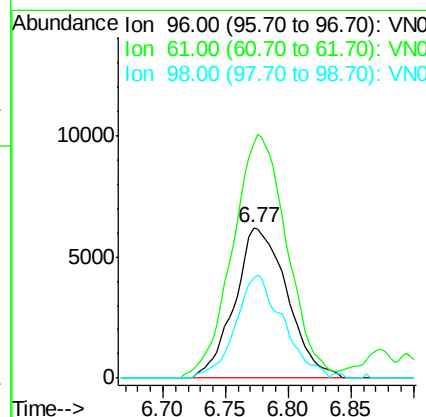
Manual Integrations
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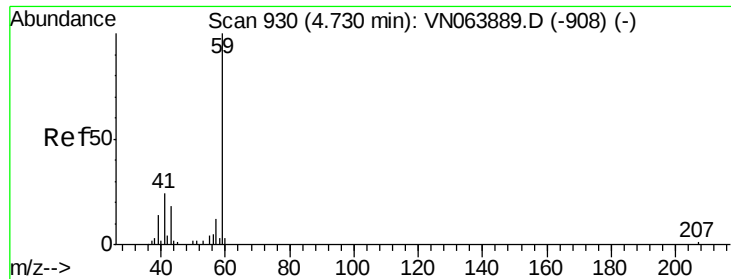
MMDadoda
 10/7/2020 12:11:27 PM



#22
 cis-1,2-Dichloroethene
 Concen: 5.351 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	139.6	209.4
98	62.1	53.4	80.0





#23

tert-Butyl Alcohol

Concen: 31.221 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 59 Resp: 15377

Ion Ratio Lower Upper

59 100

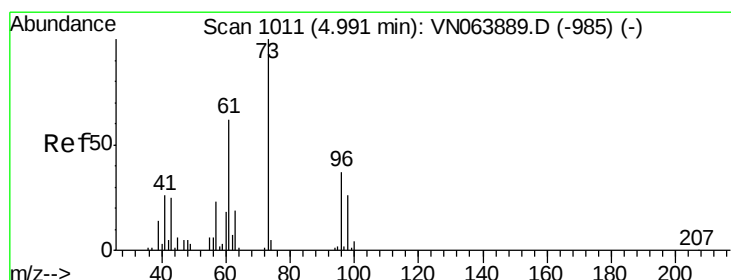
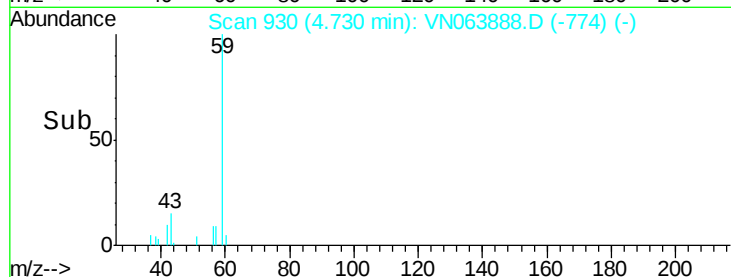
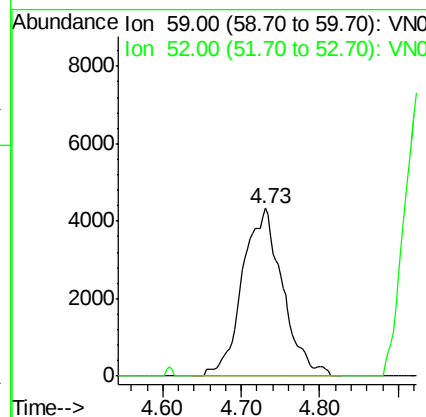
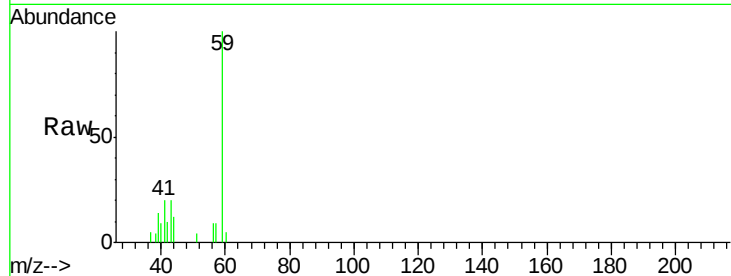
52 0.7 0.0 0.0#

Manual Integrations

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MMDadoda

10/7/2020 12:11:27 PM



#24

Methyl tert-Butyl Ether

Concen: 4.886 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063888.D

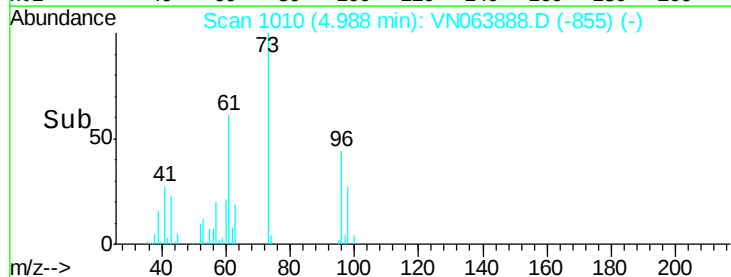
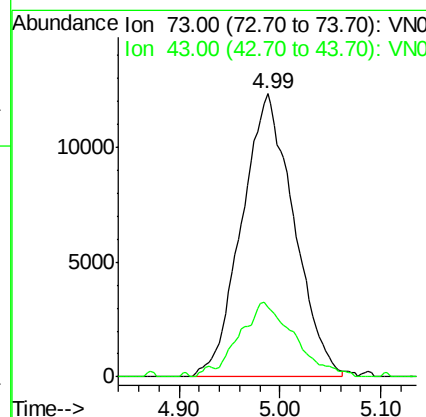
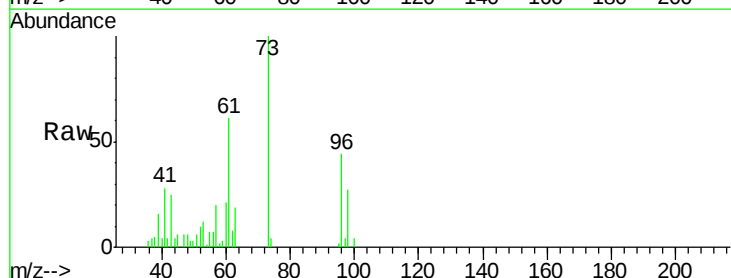
Acq: 6 Oct 2020 10:00

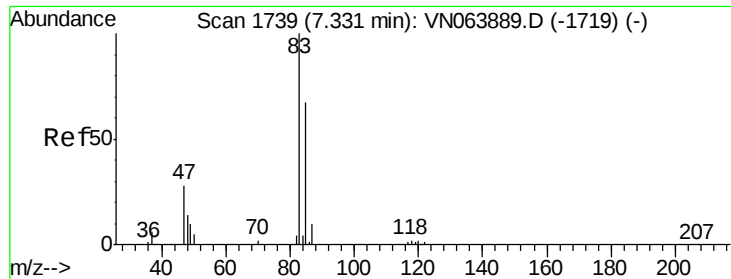
Tgt Ion: 73 Resp: 44329

Ion Ratio Lower Upper

73 100

43 19.9 6.4 9.6#





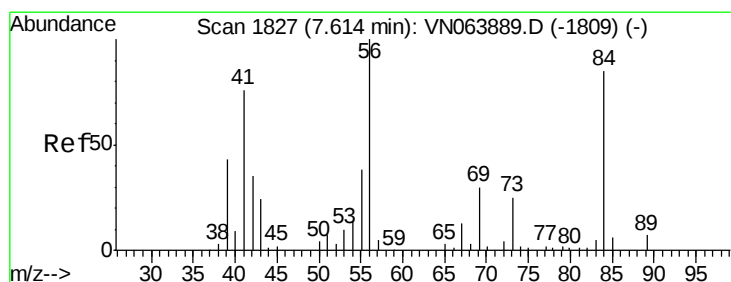
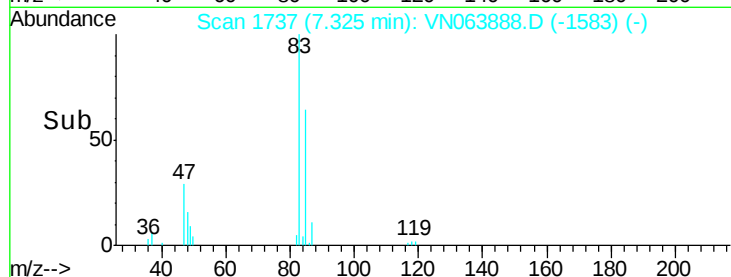
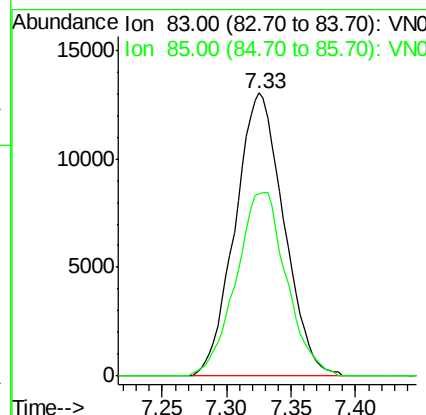
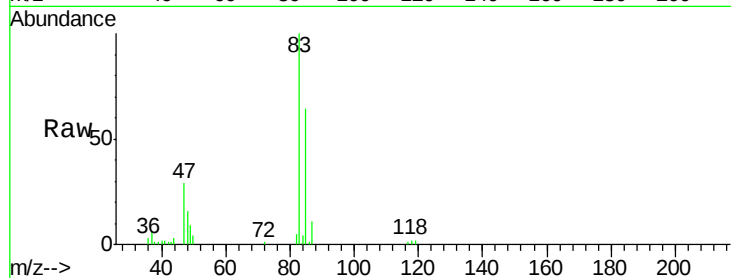
#25
Chloroform
Concen: 5.768 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	34253
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	53.2	79.8

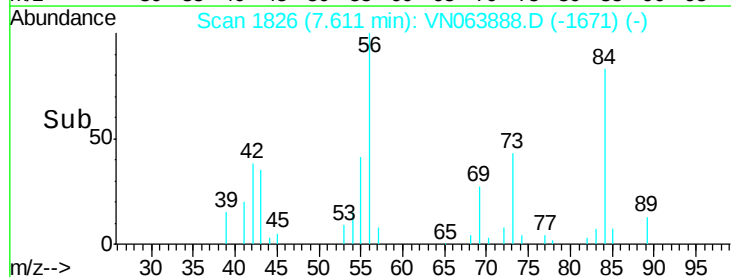
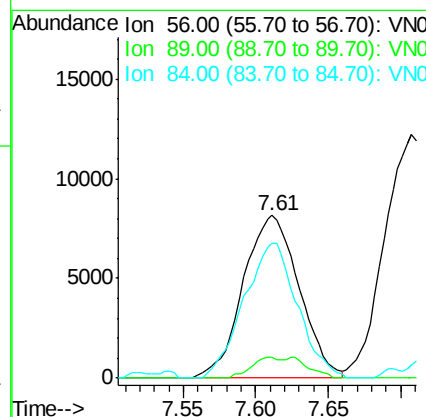
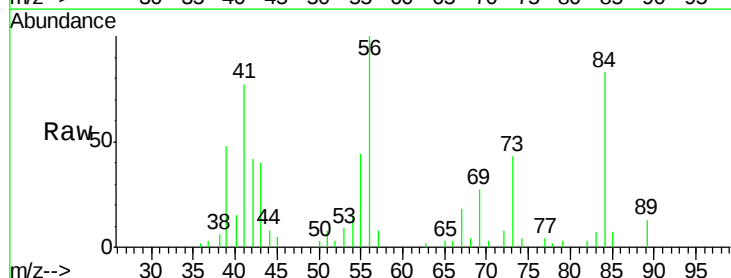
Manual Integrations
APPROVED

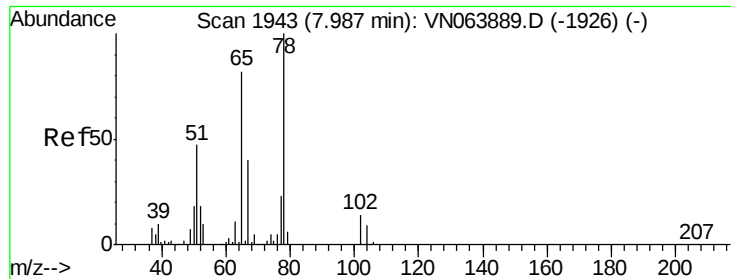
MMDadoda
10/7/2020 12:11:27 PM



#26
Cyclohexane
Concen: 4.515 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	56	Resp	21874
Ion Ratio	100	Lower	Upper
56	100		
89	6.7	5.4	8.2
84	79.4	68.2	102.2





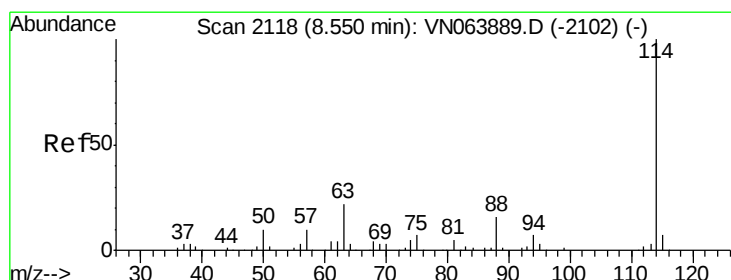
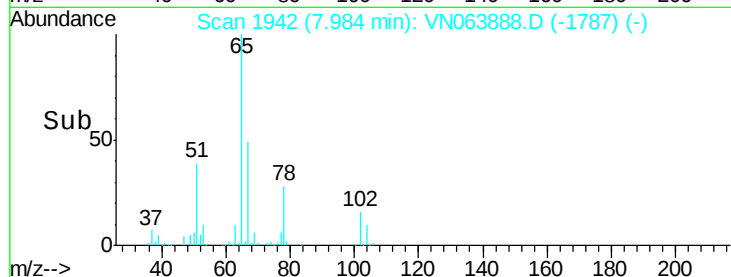
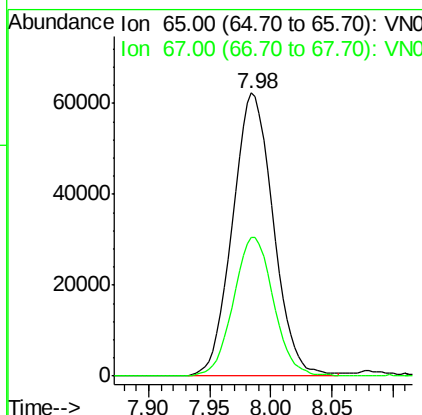
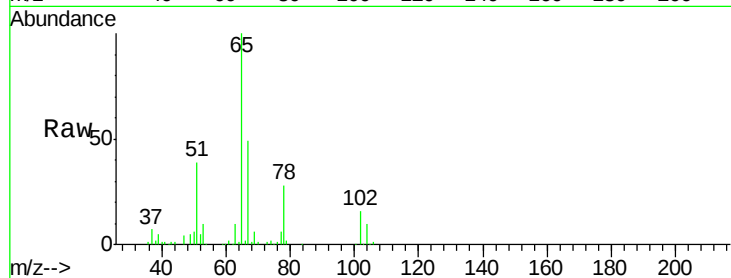
#27
 1,2-Dichloroethane-d4
 Concen: 38.070 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.1	40.0	60.0

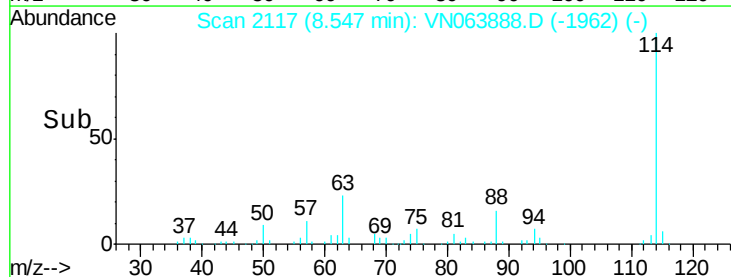
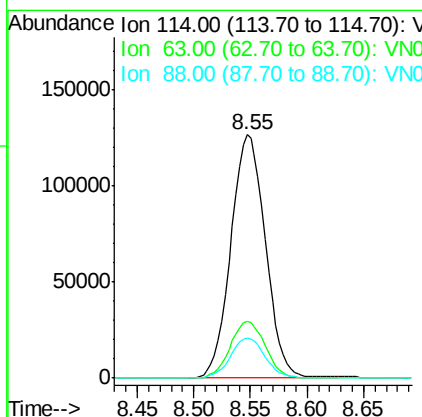
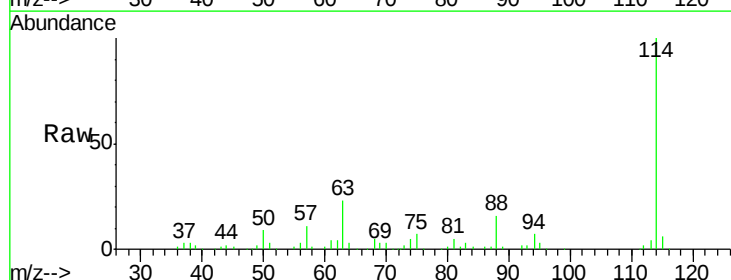
Manual Integrations
 APPROVED

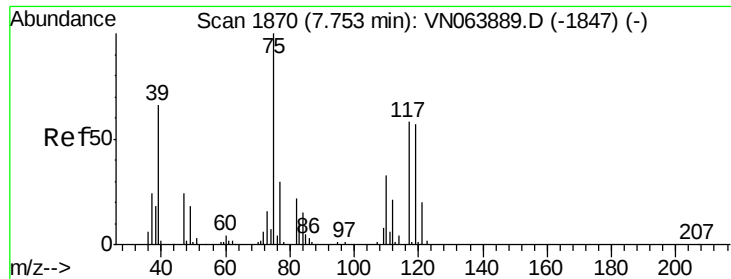
MMDadoda
 10/7/2020 12:11:27 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	18.6	28.0
88	16.4	12.9	19.3





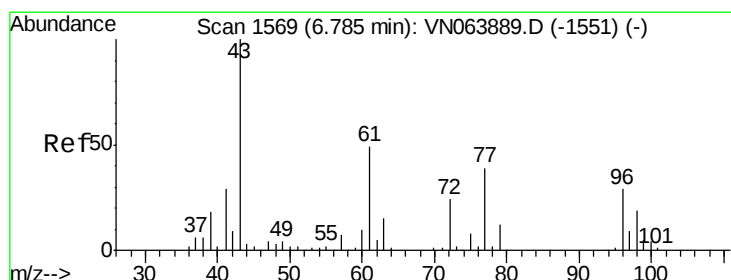
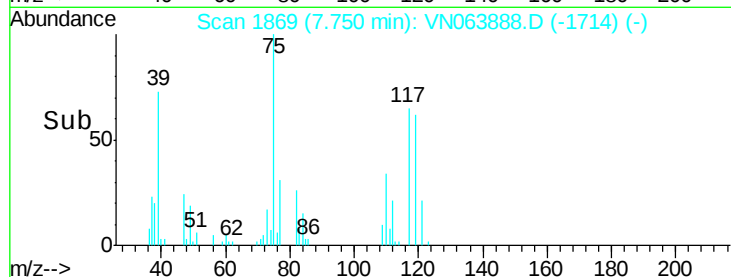
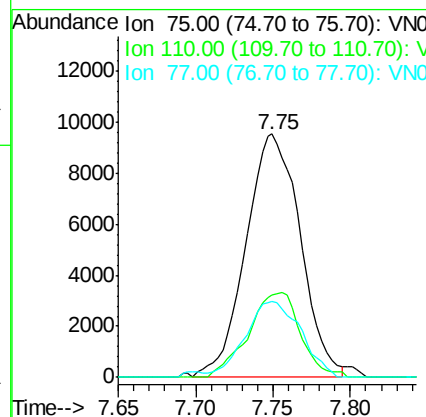
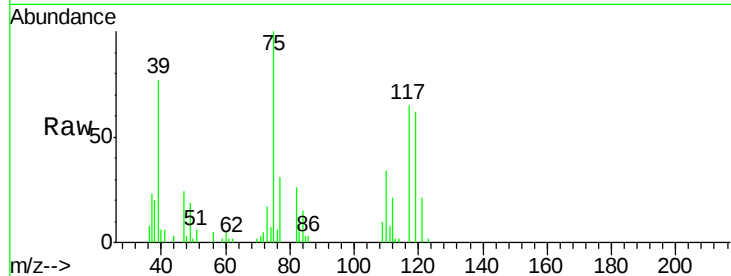
#29
 1,1-Dichloropropene
 Concen: 5.548 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.5	0.0	66.6
77	31.8	0.0	61.4

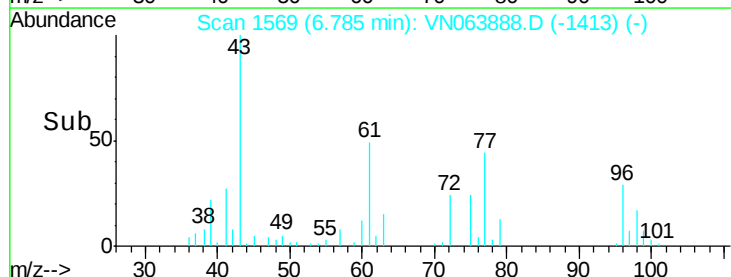
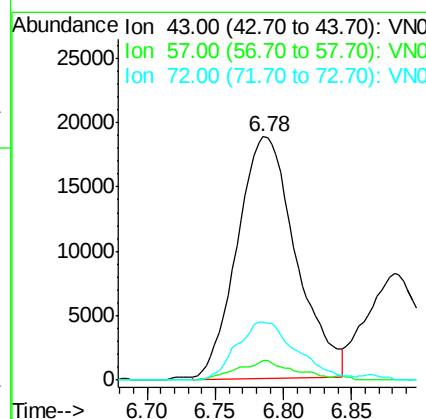
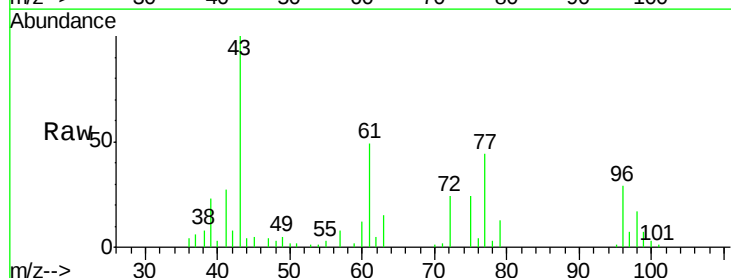
Manual Integrations
 APPROVED

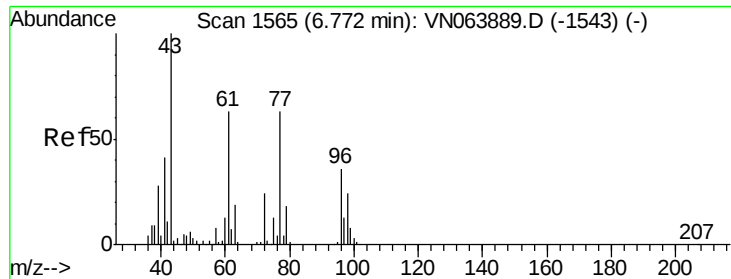
MMDadoda
 10/7/2020 12:11:27 PM



#30
 2-Butanone
 Concen: 28.706 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	5.4	6.2	9.2#
72	24.4	19.4	29.2





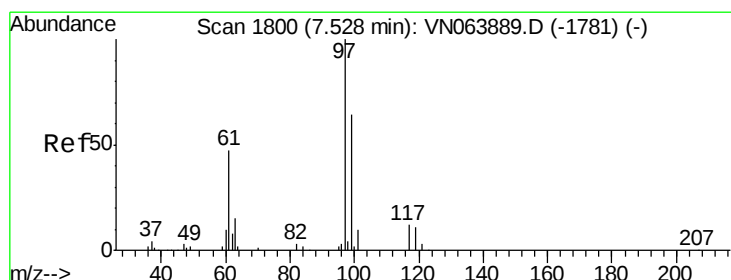
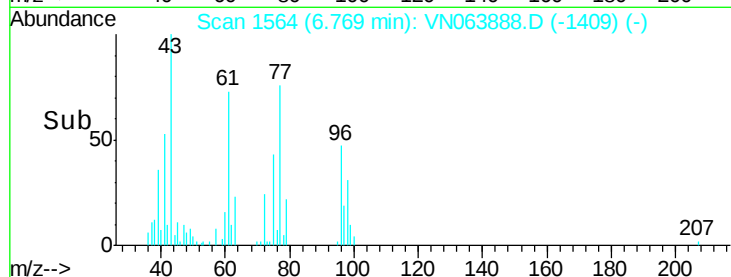
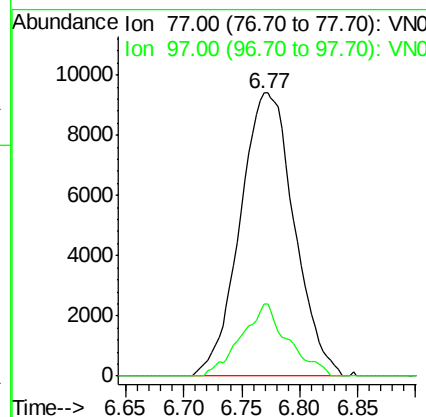
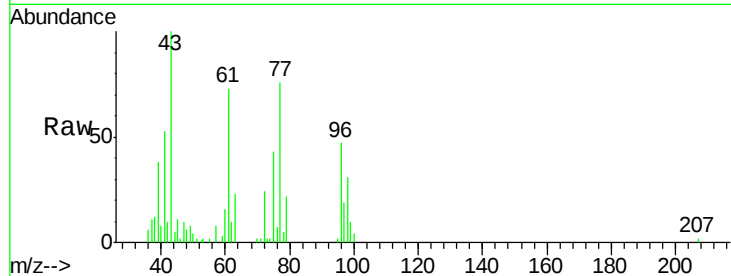
#31
 2,2-Dichloropropane
 Concen: 5.980 ug/l
 RT: 6.77 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 77 Resp: 30557
 Ion Ratio Lower Upper
 77 100
 97 20.7 10.2 15.2#

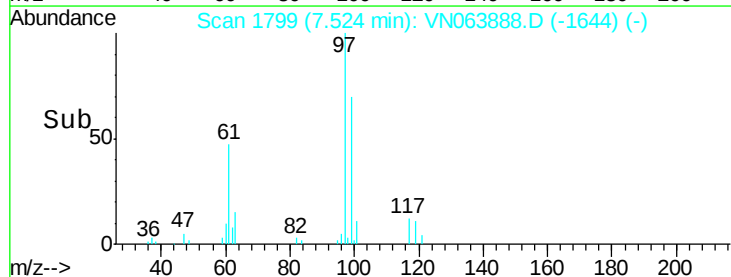
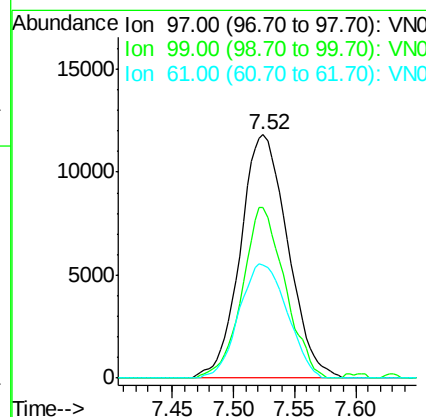
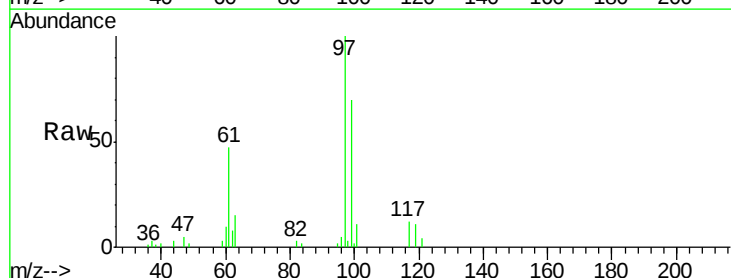
Manual Integrations
 APPROVED

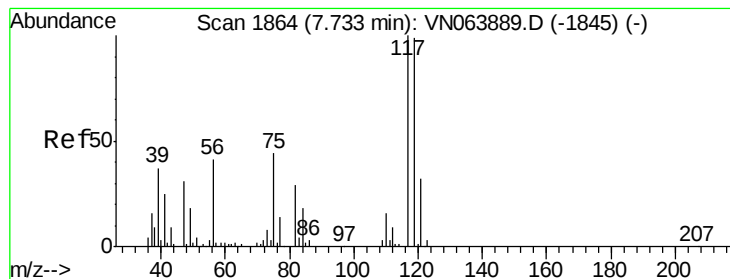
MMDadoda
 10/7/2020 12:11:27 PM



#32
 1,1,1-Trichloroethane
 Concen: 6.192 ug/l
 RT: 7.52 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion: 97 Resp: 31818
 Ion Ratio Lower Upper
 97 100
 99 62.9 49.7 74.5
 61 47.6 38.6 57.8





#33

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 117 Resp: 27813

Ion Ratio Lower Upper

117 100

119 97.8 79.3 118.9

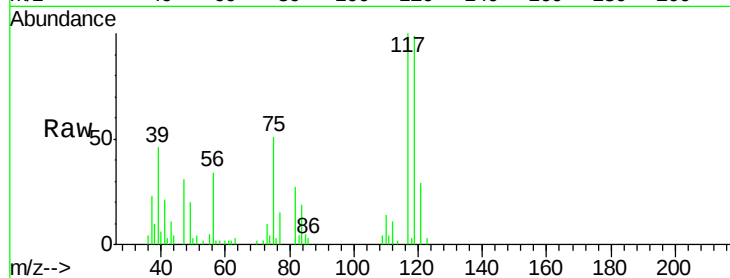
121 28.7 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

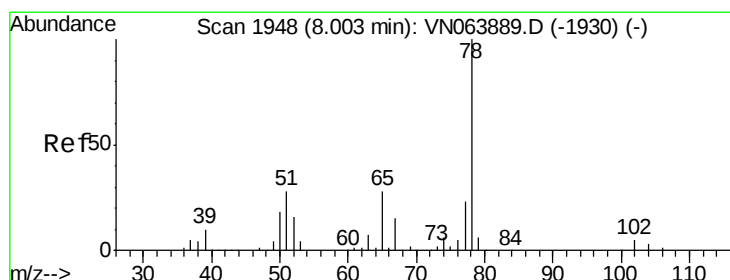
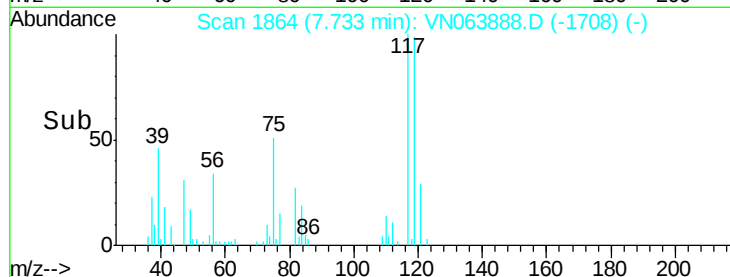
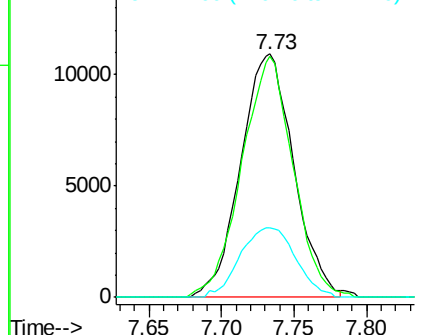
10/7/2020 12:11:27 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 5.274 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

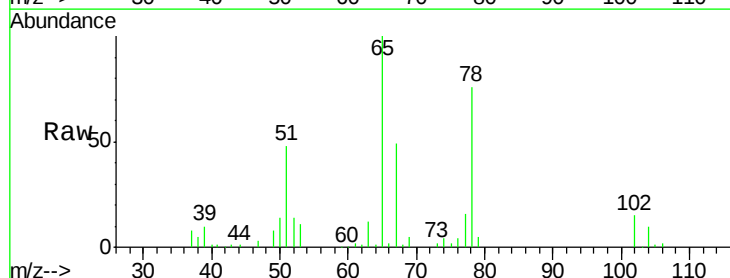
Tgt Ion: 78 Resp: 68892

Ion Ratio Lower Upper

78 100

77 21.0 18.5 27.7

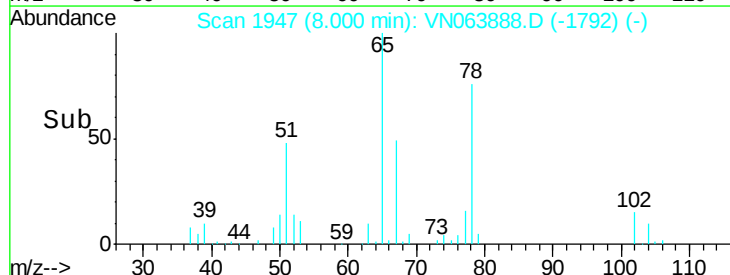
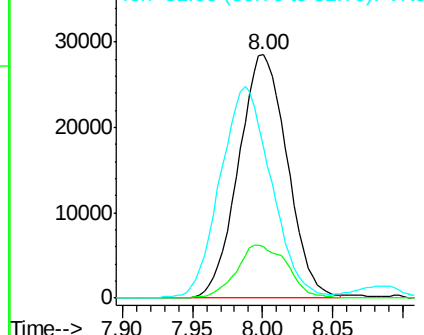
51 60.6 22.7 34.1#

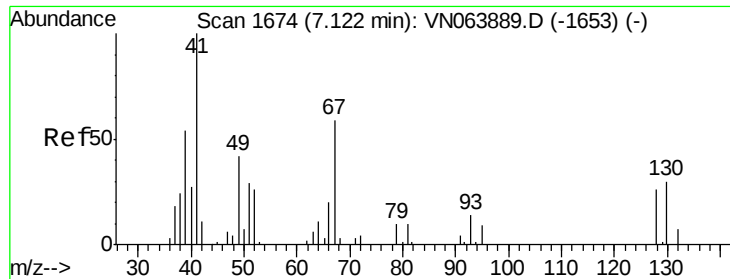


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





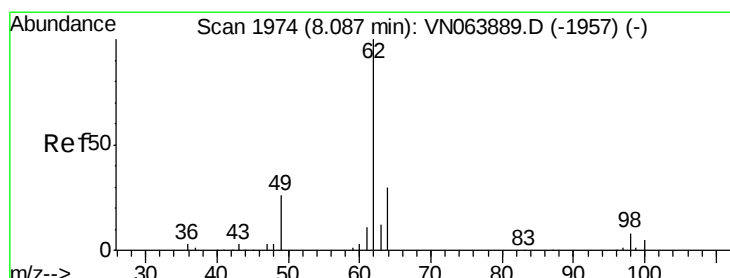
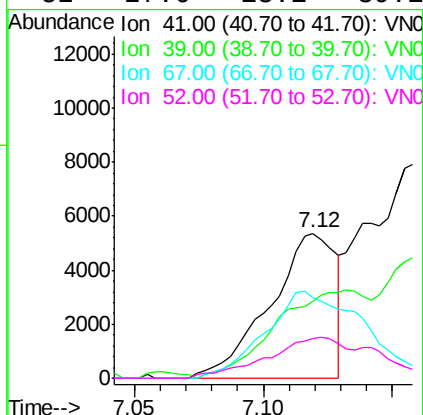
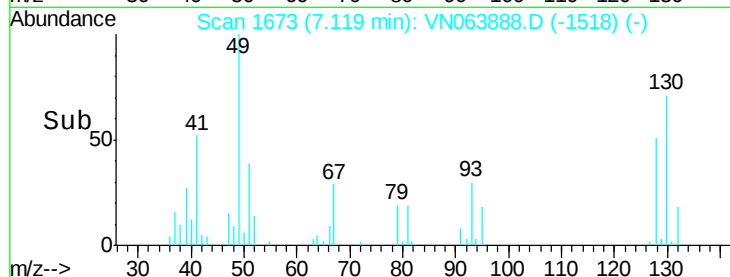
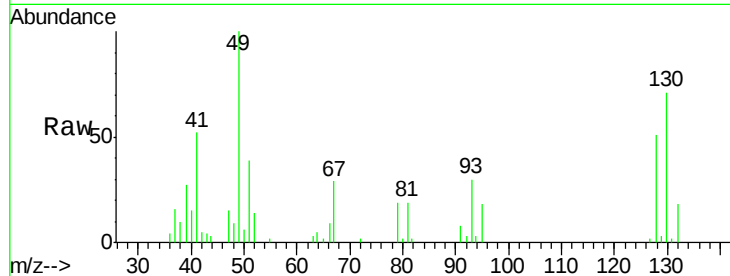
#35
Methacrylonitrile
Concen: 5.187 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	9470
Ion	Ratio	Lower	Upper
41	100		
39	50.2	26.8	80.3
67	55.4	29.8	89.3
52	27.6	13.1	39.1

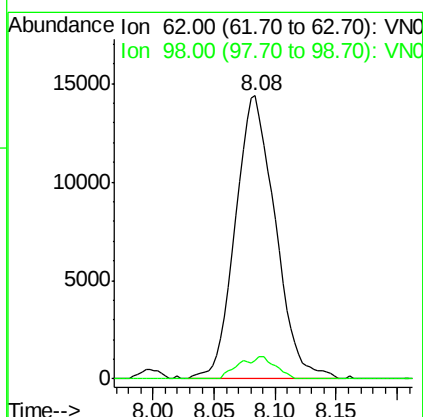
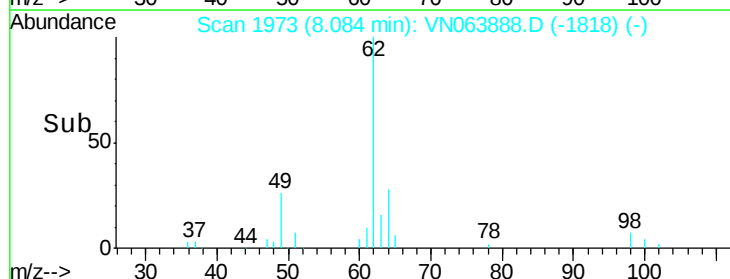
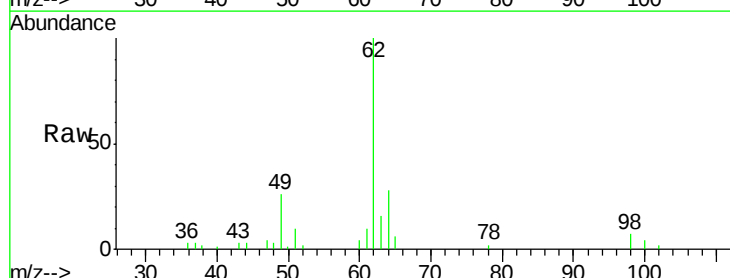
Manual Integrations
APPROVED

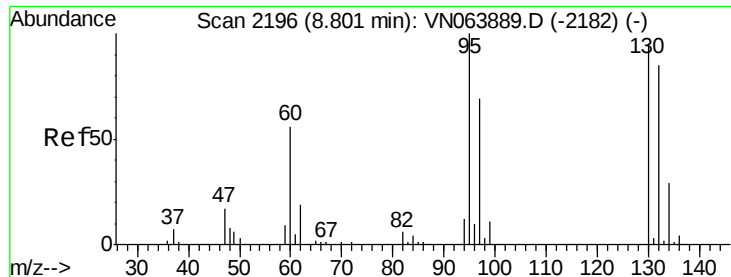
MMDadoda
10/7/2020 12:11:27 PM



#36
1,2-Dichloroethane
Concen: 6.905 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion:	62	Resp:	32655
Ion	Ratio	Lower	Upper
62	100		
98	4.1	5.9	8.9#





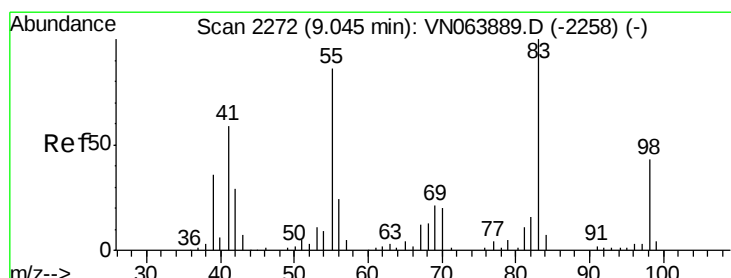
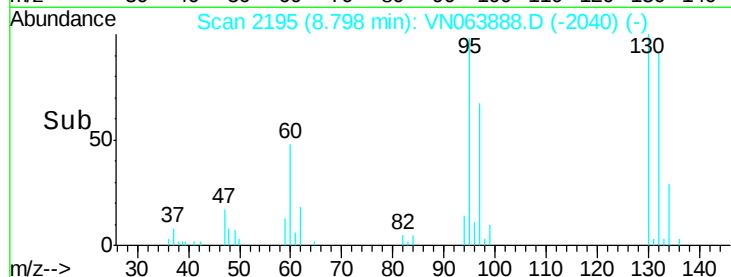
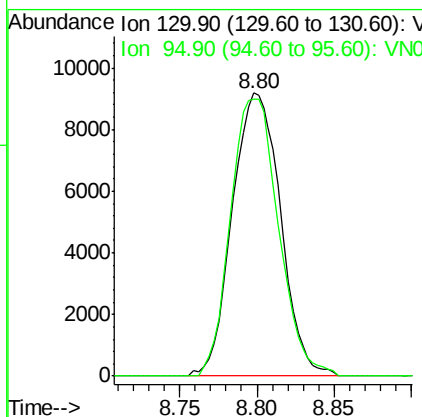
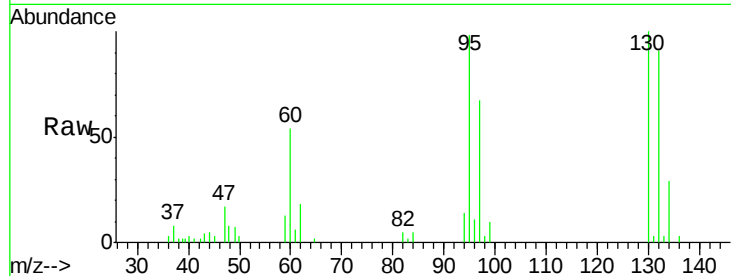
#37
 Trichloroethene
 Concen: 6.154 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 19878
 Ion Ratio Lower Upper
 130 100
 95 98.0 84.5 126.7

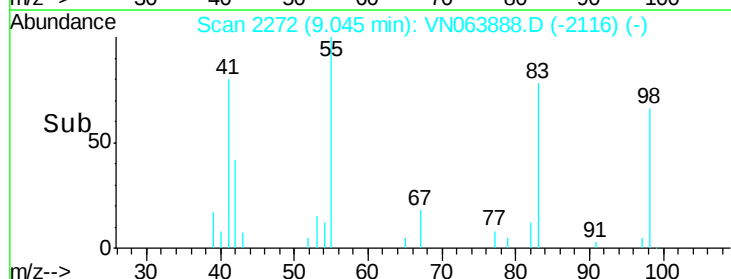
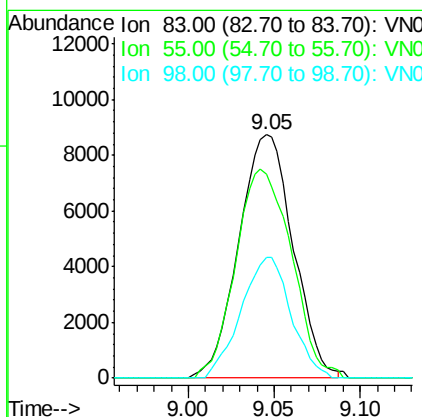
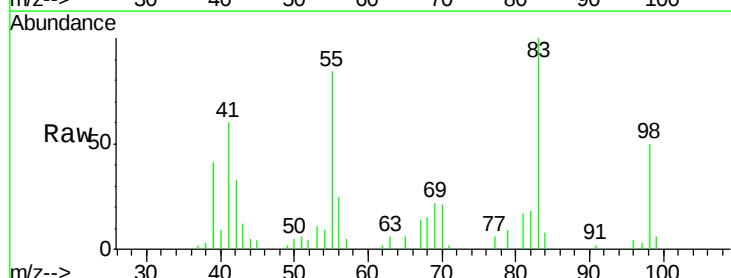
Manual Integrations
 APPROVED

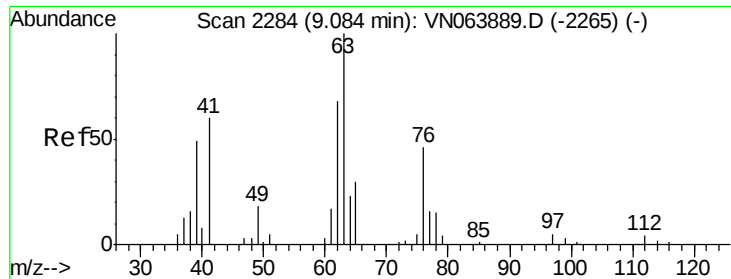
MMDadoda
 10/7/2020 12:11:27 PM



#38
 Methylcyclohexane
 Concen: 3.944 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion: 83 Resp: 19190
 Ion Ratio Lower Upper
 83 100
 55 88.0 42.4 127.1
 98 45.6 21.6 64.6





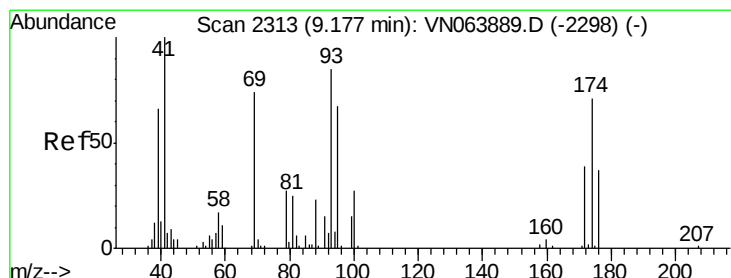
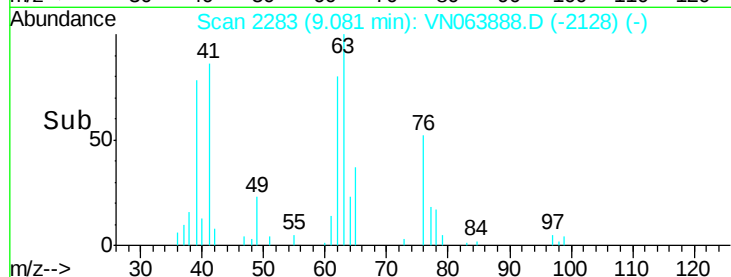
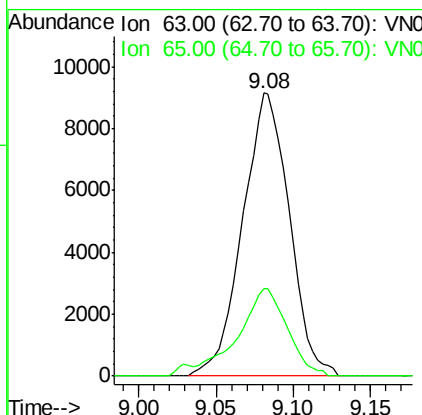
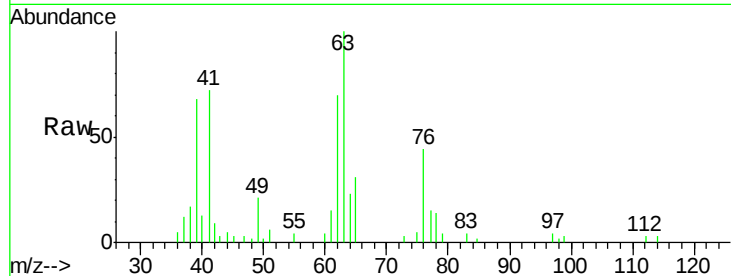
#39
 1,2-Dichloropropane
 Concen: 5.117 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.7	37.1

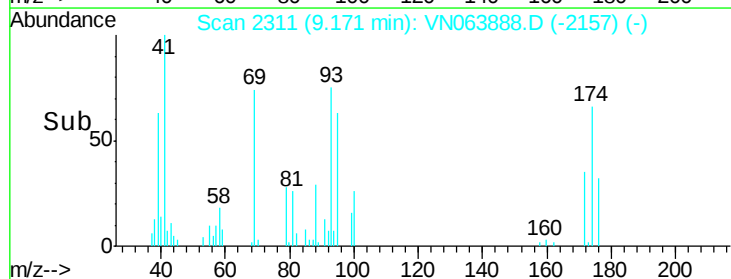
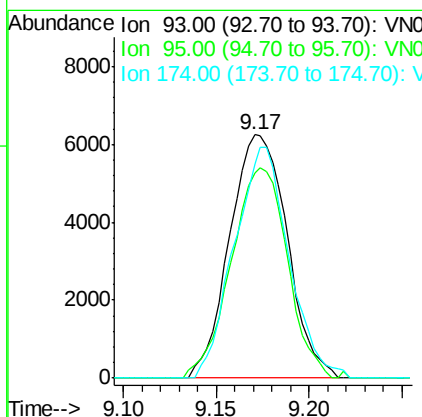
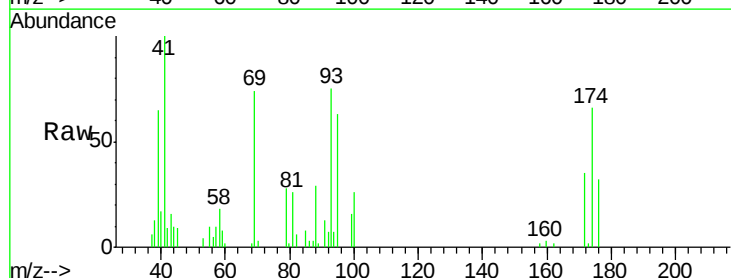
Manual Integrations
 APPROVED

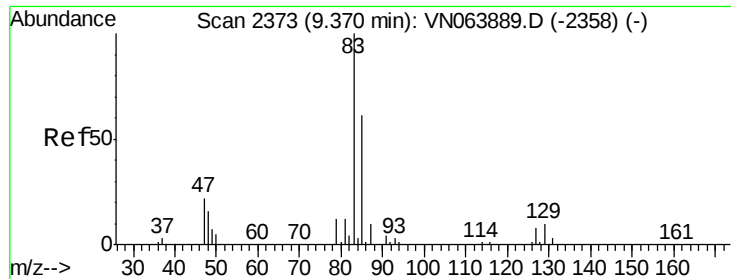
MMDadoda
 10/7/2020 12:11:27 PM



#40
 Dibromomethane
 Concen: 5.906 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	0.0	162.0
174	90.1	0.0	176.6





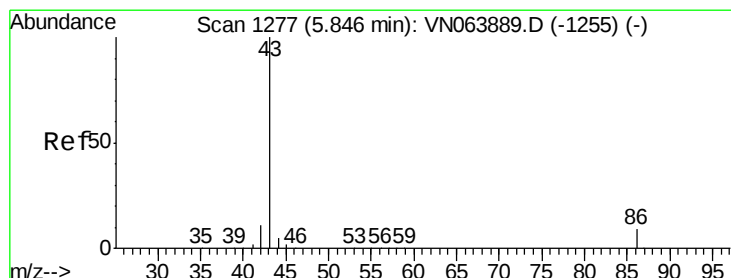
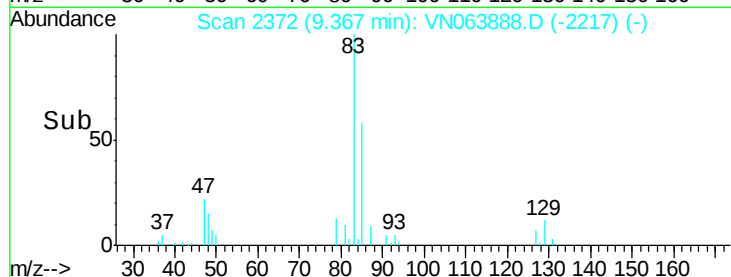
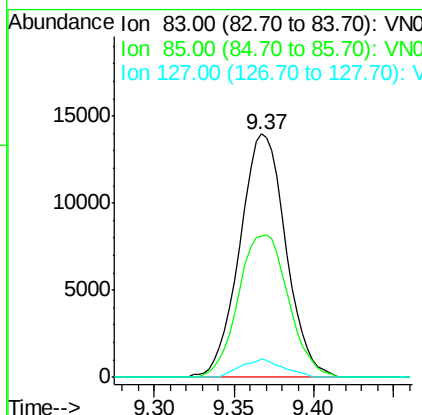
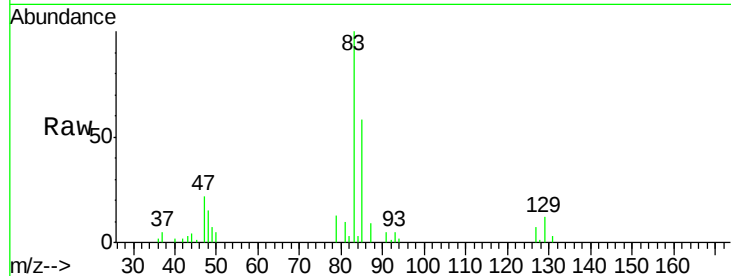
#41
Bromodichloromethane
Concen: 5.582 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	27616
Ion Ratio	100	Lower	Upper
83	100		
85	58.0	49.0	73.6
127	7.3	6.7	10.1

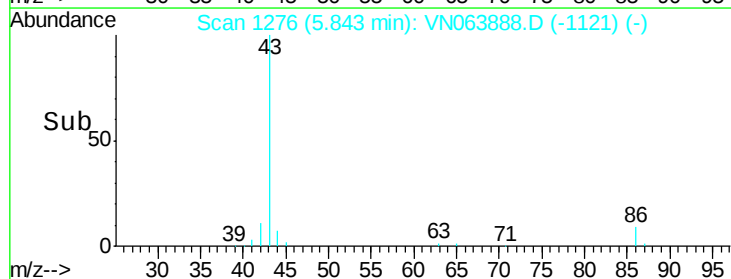
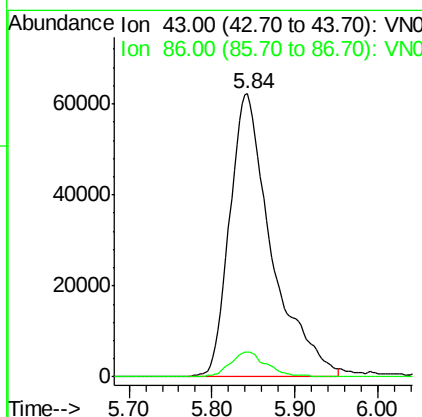
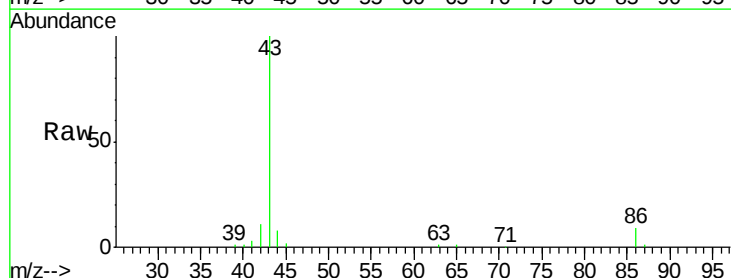
Manual Integrations
APPROVED

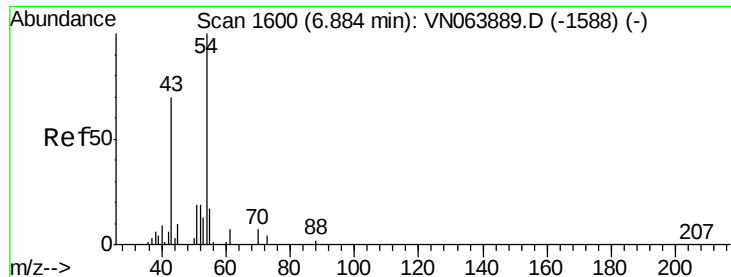
MMDadoda
10/7/2020 12:11:27 PM



#42
Vinyl Acetate
Concen: 28.344 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	43	Resp	218752
Ion Ratio	100	Lower	Upper
43	100		
86	7.7	6.4	9.6





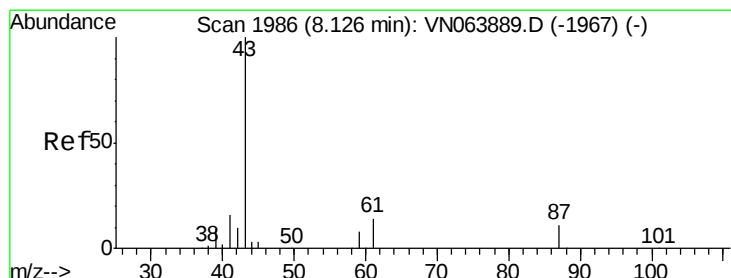
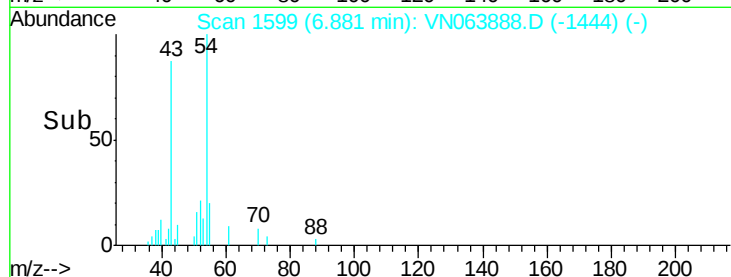
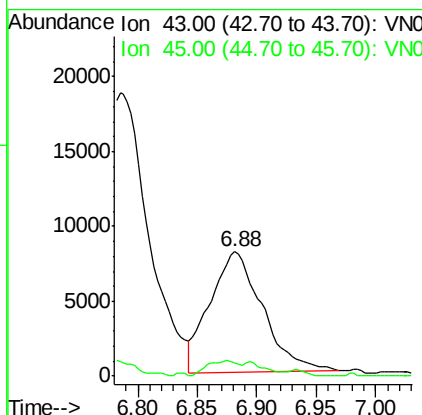
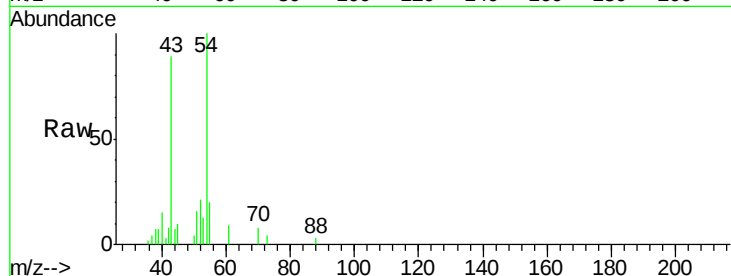
#43
Ethyl Acetate
Concen: 6.425 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 24642
Ion Ratio Lower Upper
43 100
45 3.9 10.2 15.4#

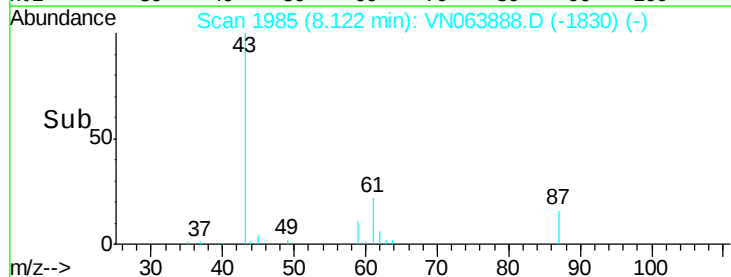
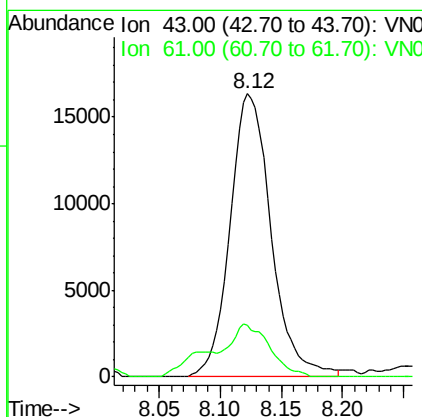
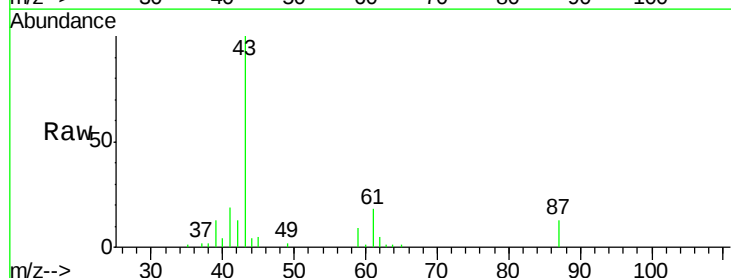
Manual Integrations
APPROVED

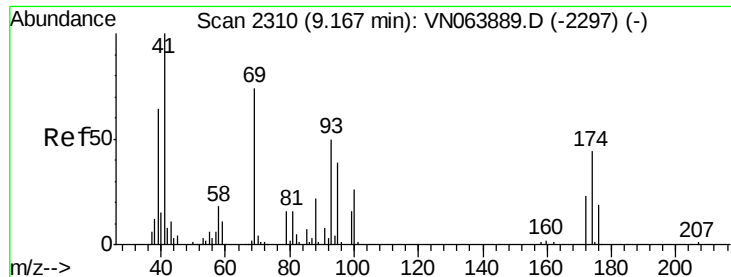
MMDadoda
10/7/2020 12:11:27 PM



#44
Isopropyl Acetate
Concen: 5.828 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion: 43 Resp: 38201
Ion Ratio Lower Upper
43 100
61 17.7 0.0 0.0#





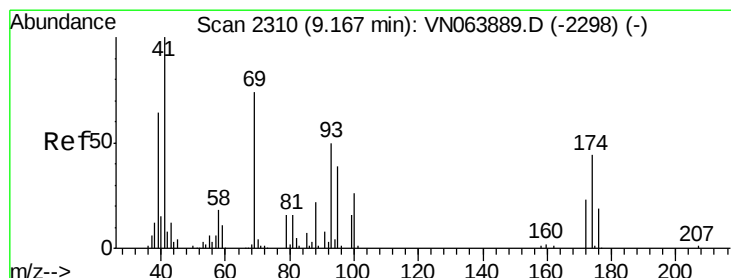
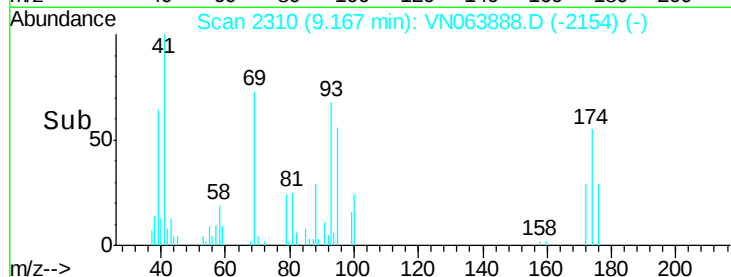
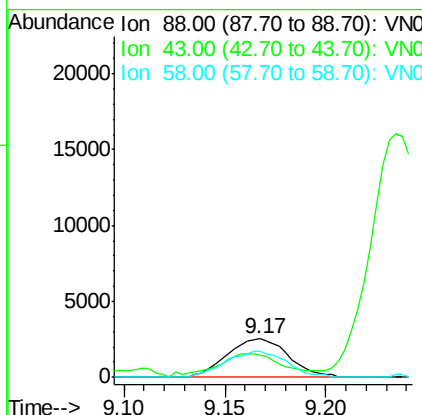
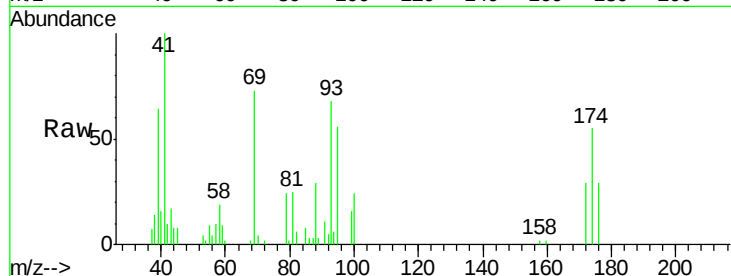
#45
1,4-Dioxane
Concen: 96.445 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 5385
Ion Ratio Lower Upper
88 100
43 50.6 34.0 51.0
58 67.9 64.9 97.3

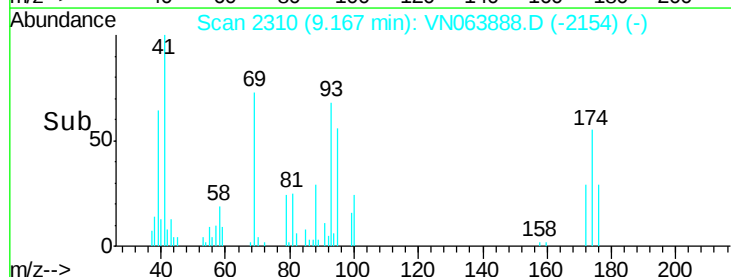
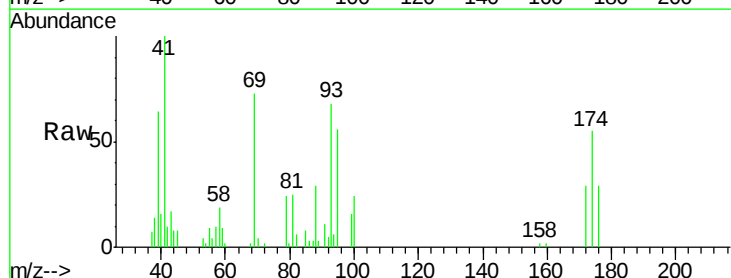
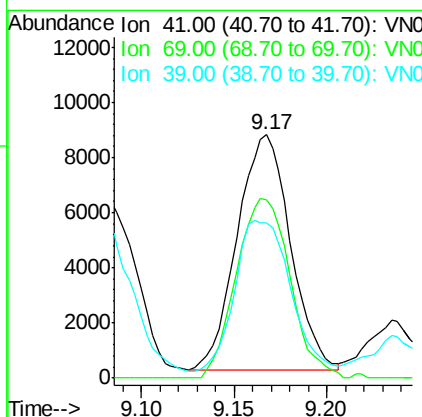
Manual Integrations
APPROVED

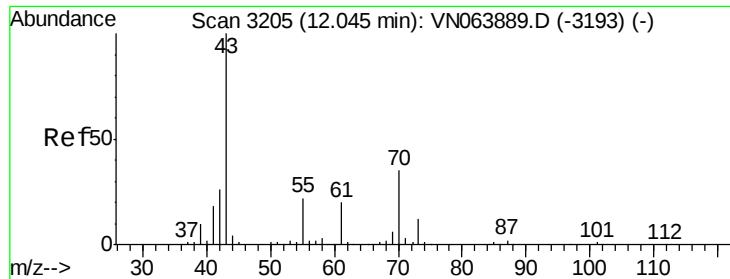
MMDadoda
10/7/2020 12:11:27 PM



#46
Methyl methacrylate
Concen: 5.331 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion: 41 Resp: 17223
Ion Ratio Lower Upper
41 100
69 75.9 36.9 110.7
39 63.0 31.9 95.5





#47

n-amvl Acetate

Concen: 5.352 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 30860

Ion Ratio Lower Upper

43 100

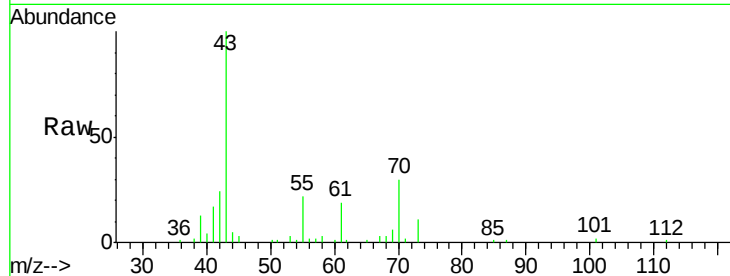
55 23.3 17.8 26.6

Manual Integrations

APPROVED

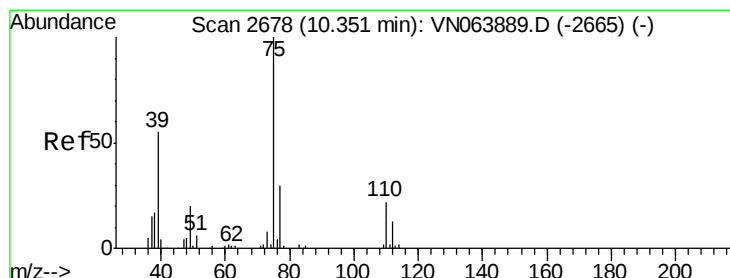
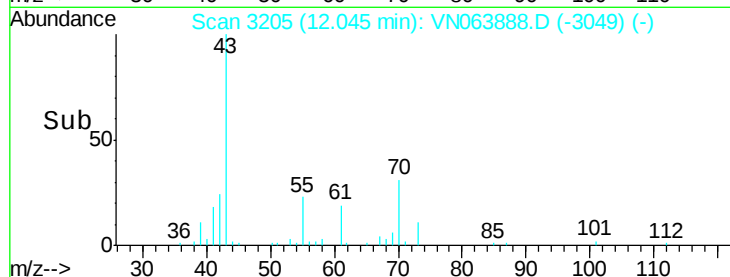
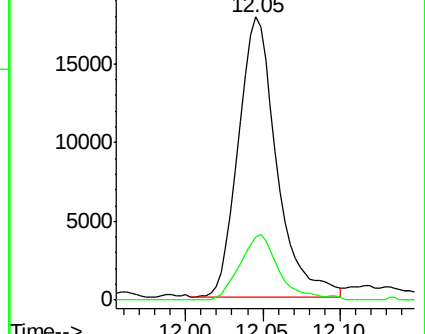
MMDadoda

10/7/2020 12:11:27 PM



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: 5.180 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN063888.D

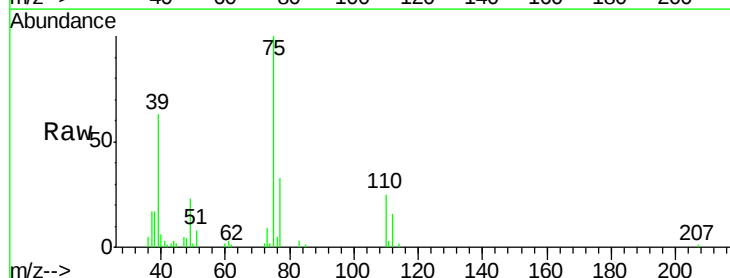
Acq: 6 Oct 2020 10:00

Tgt Ion: 75 Resp: 27288

Ion Ratio Lower Upper

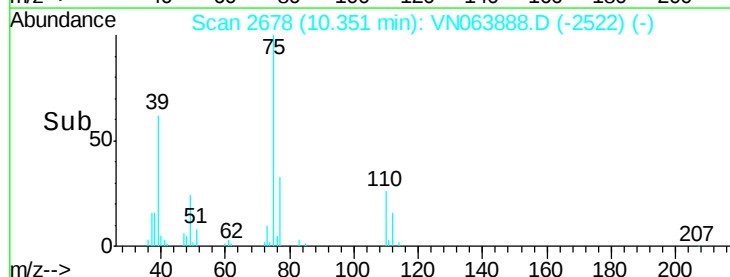
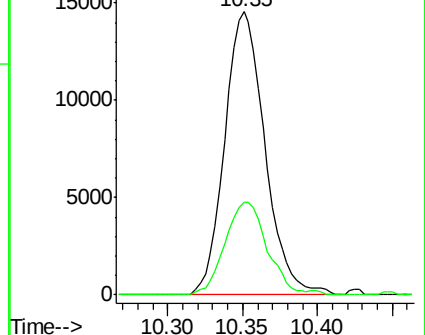
75 100

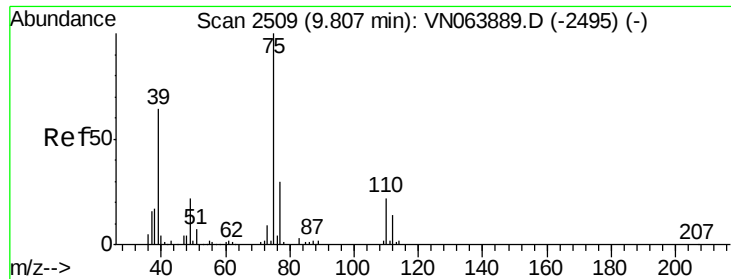
77 32.7 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





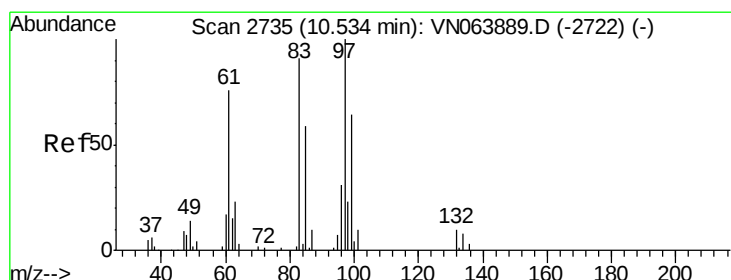
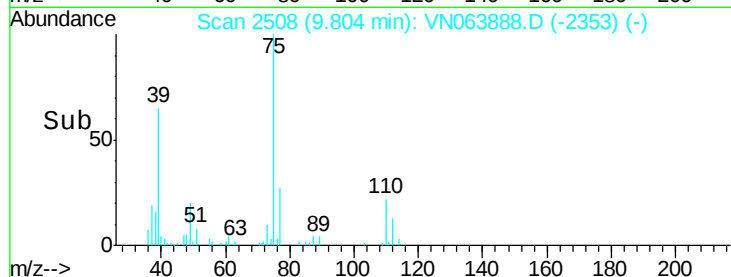
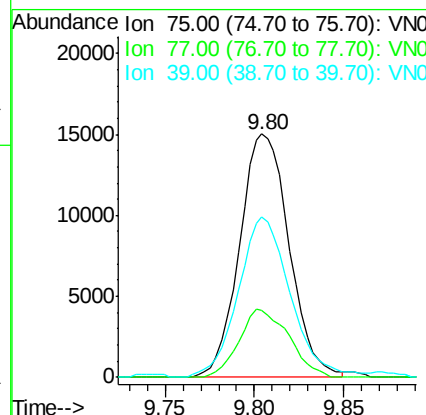
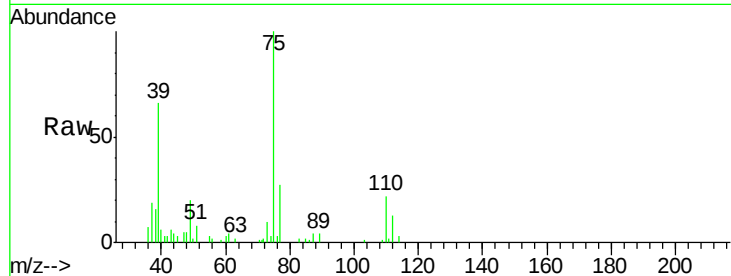
#49
 cis-1,3-Dichloropropene
 Concen: 5.164 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.5	24.1	36.1
39	64.9	51.0	76.4

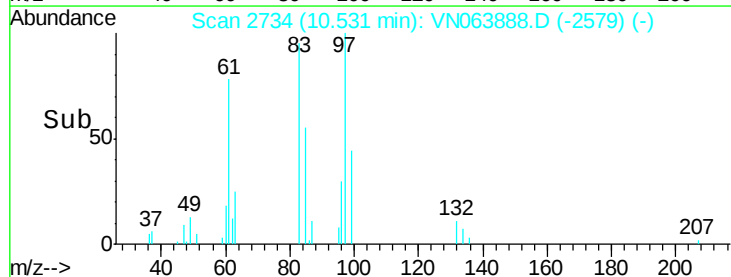
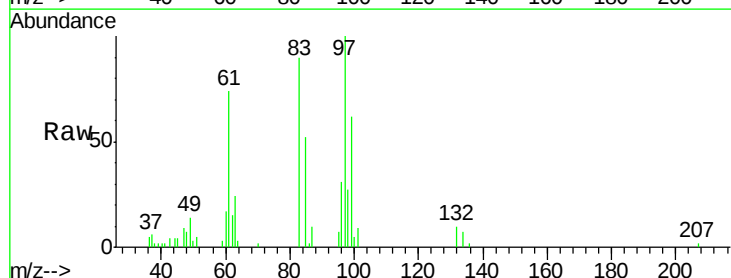
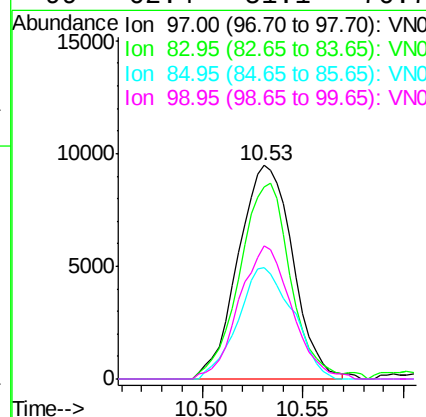
Manual Integrations
 APPROVED

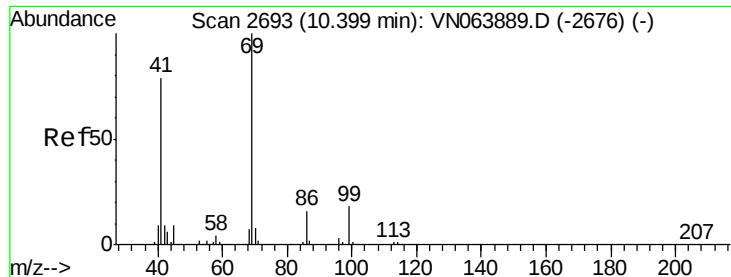
MMDadoda
 10/7/2020 12:11:27 PM



#50
 1,1,2-Trichloroethane
 Concen: 5.320 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	73.0	109.6
85	51.9	46.9	70.3
99	62.4	51.1	76.7





#51

Ethyl methacrylate

Concen: 4.369 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

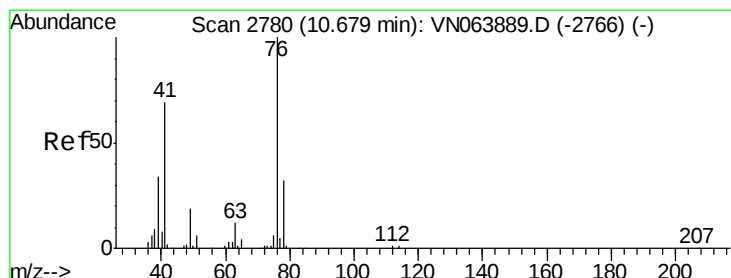
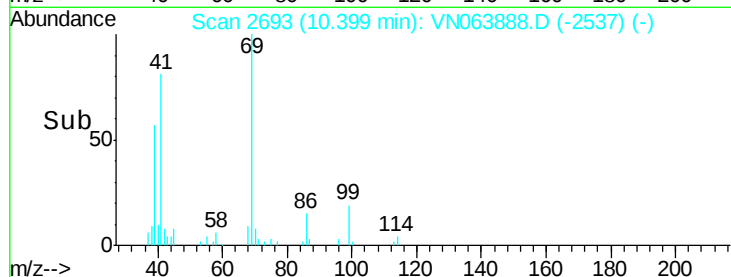
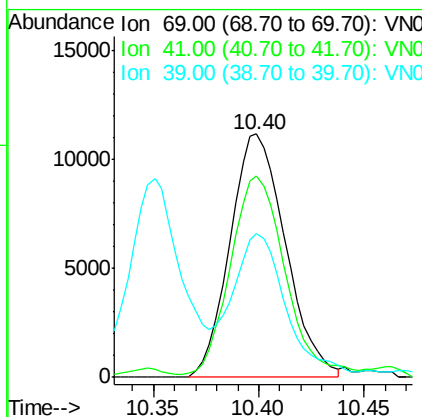
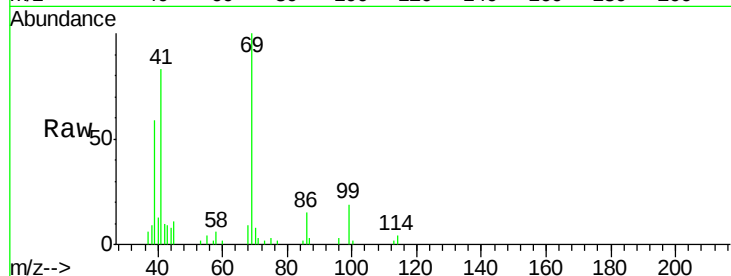
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	20407
Ion	Ratio	Lower	Upper
69	100		
41	81.0	39.6	118.7
39	54.2	25.9	77.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 5.442 ug/l

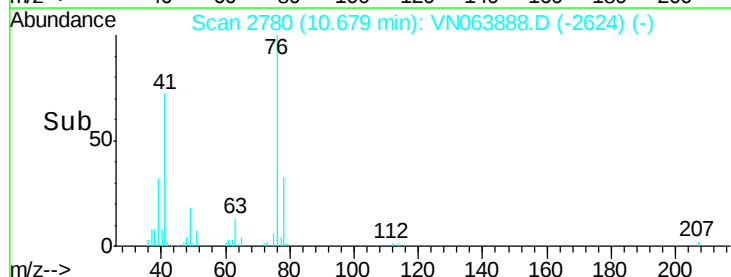
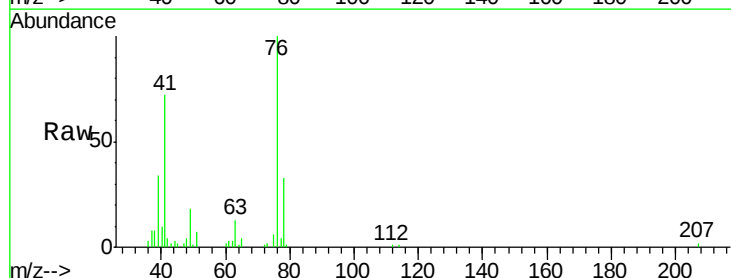
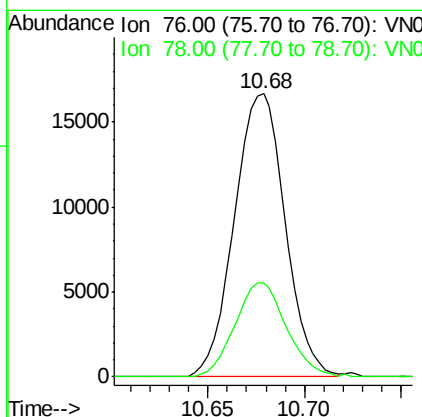
RT: 10.68 min Scan# 2780

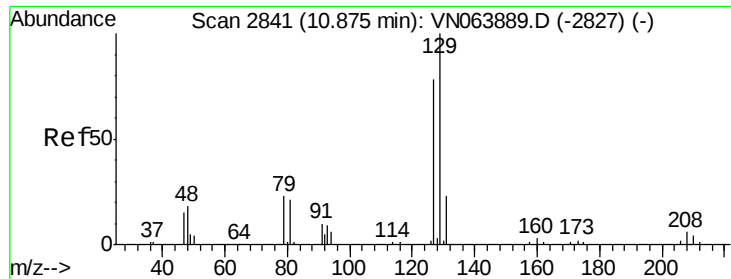
Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Tgt Ion:	76	Resp:	30479
Ion	Ratio	Lower	Upper
76	100		
78	33.4	0.0	66.0





#53

Dibromochloromethane

Concen: 4.948 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:129 Resp: 18576

Ion Ratio Lower Upper

129 100

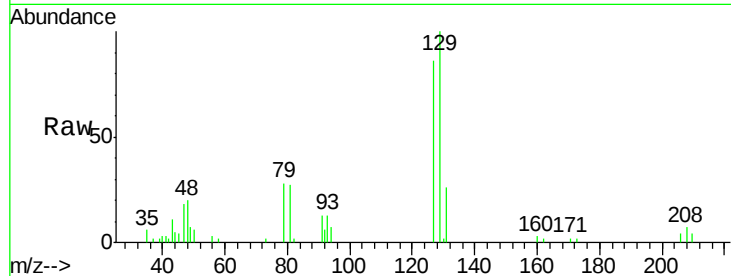
127 82.3 38.4 115.1

Manual Integrations

APPROVED

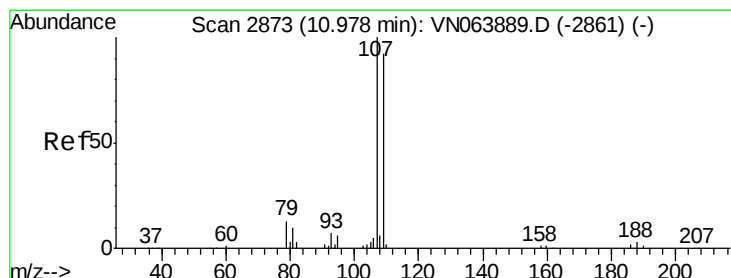
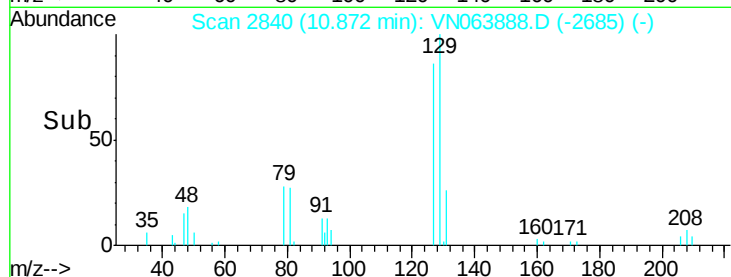
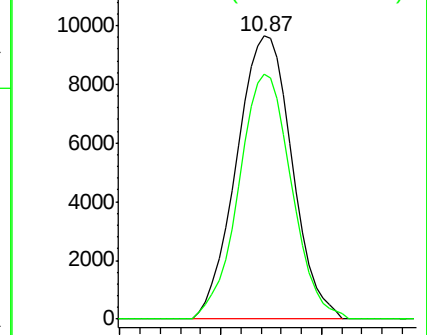
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.344 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063888.D

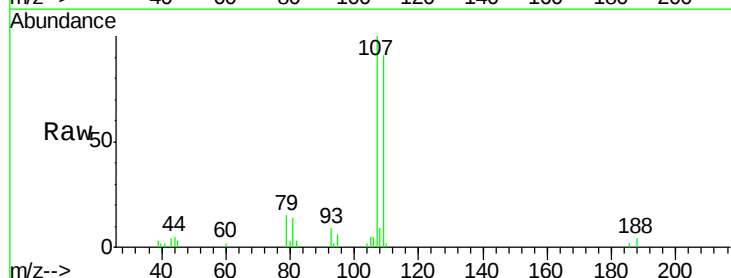
Acq: 6 Oct 2020 10:00

Tgt Ion:107 Resp: 17670

Ion Ratio Lower Upper

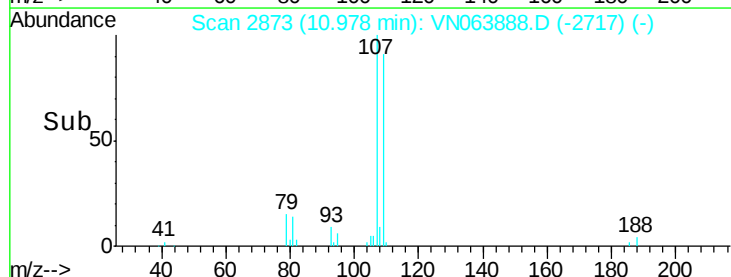
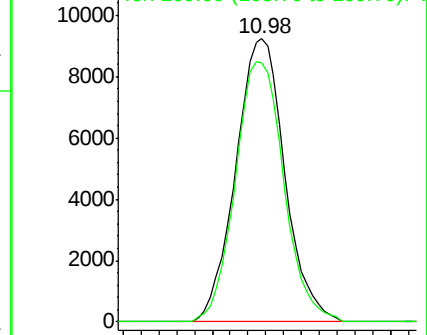
107 100

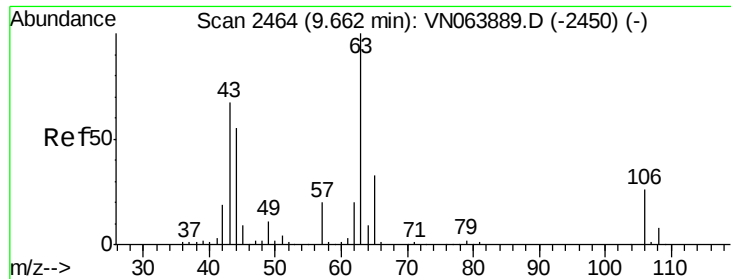
109 91.0 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





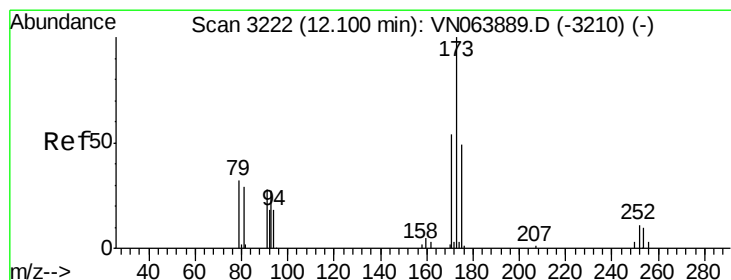
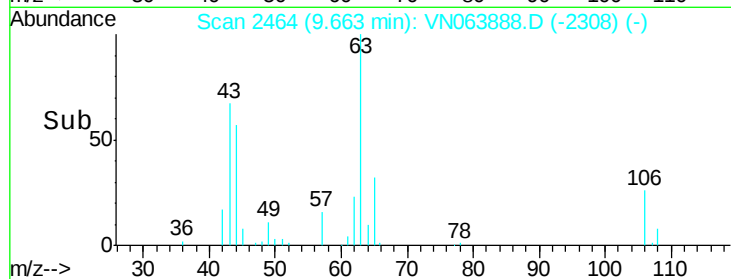
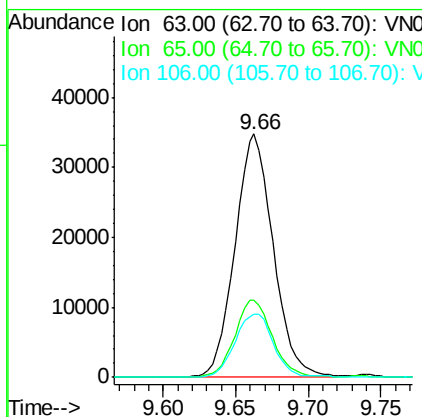
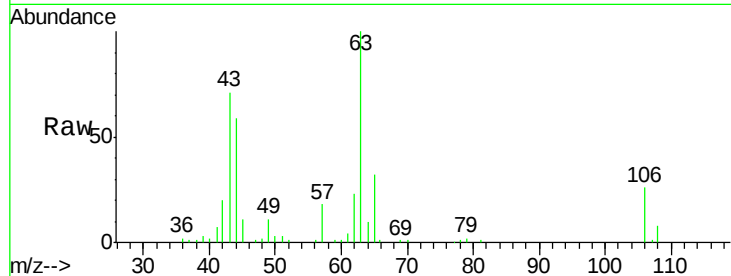
#55
 2-Chloroethyl vinyl ether
 Concen: 49.839 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.4	38.2
106	26.1	20.3	30.5

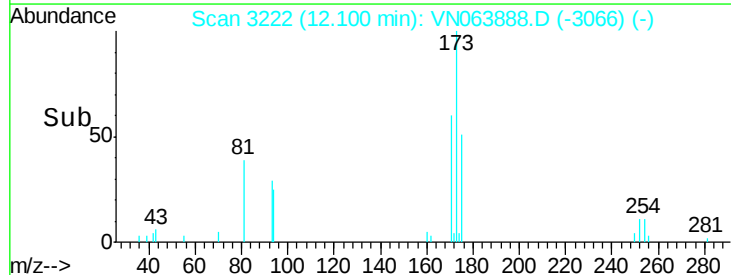
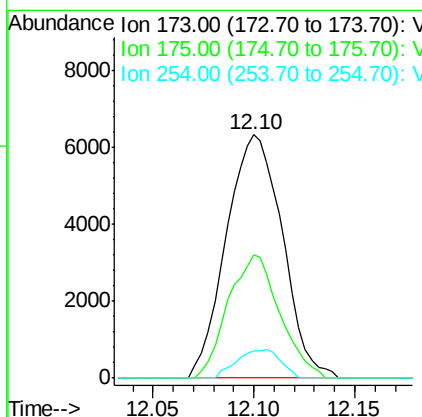
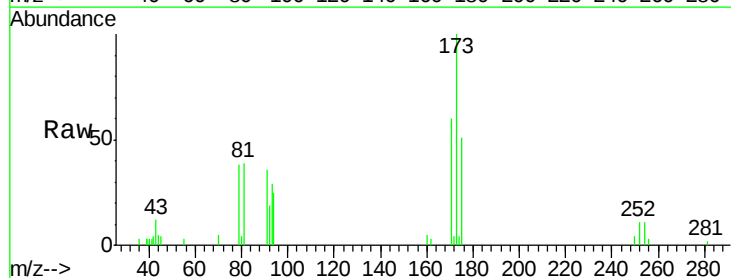
Manual Integrations
 APPROVED

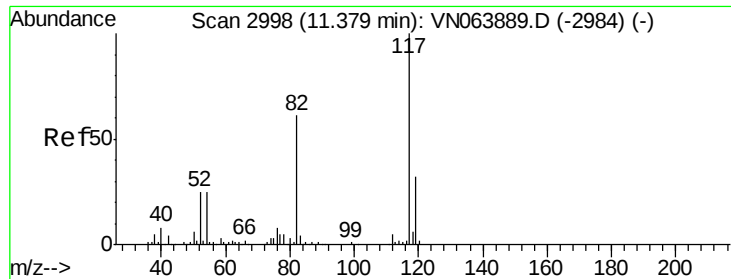
MMDadoda
 10/7/2020 12:11:27 PM



#56
 Bromoform
 Concen: 4.533 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.6	39.4	59.2
254	9.1	7.8	11.6





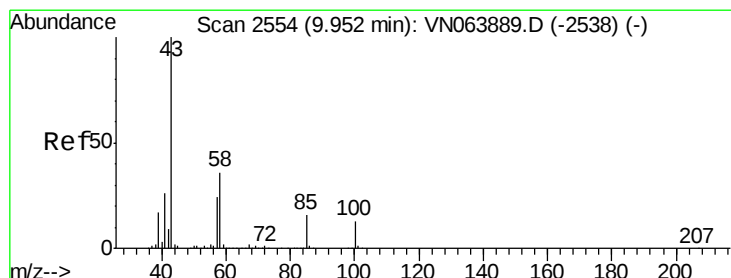
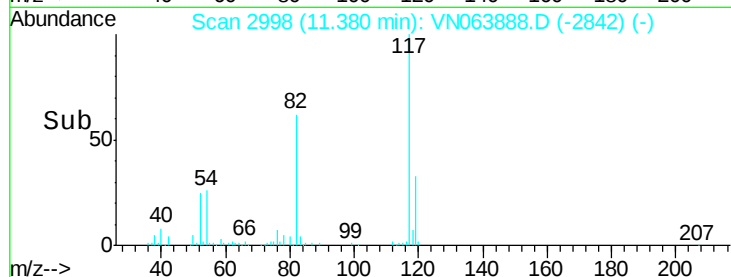
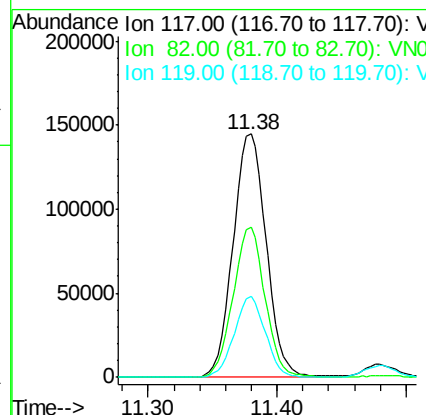
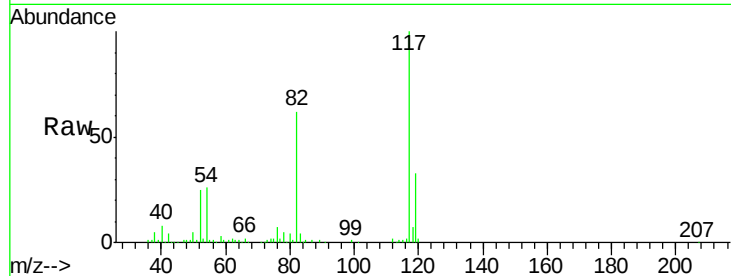
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.7	71.5
119	31.3	25.7	38.5

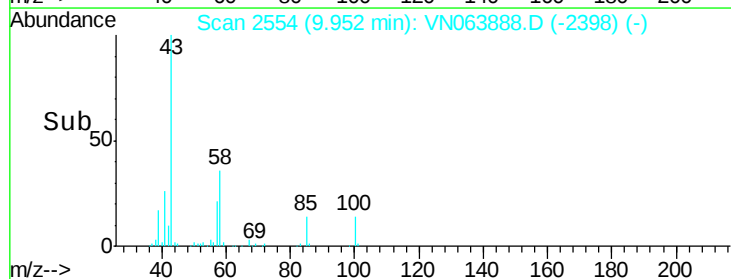
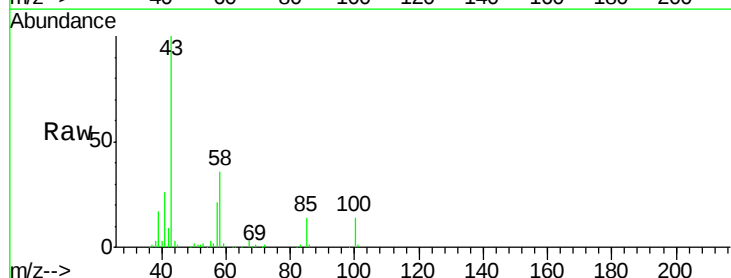
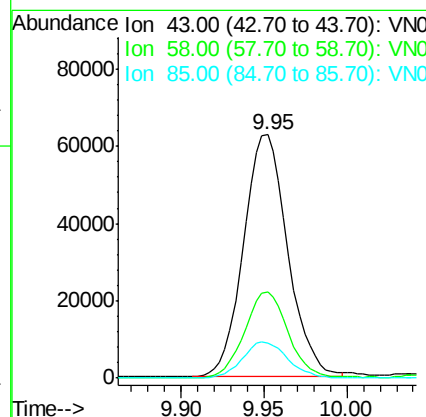
Manual Integrations
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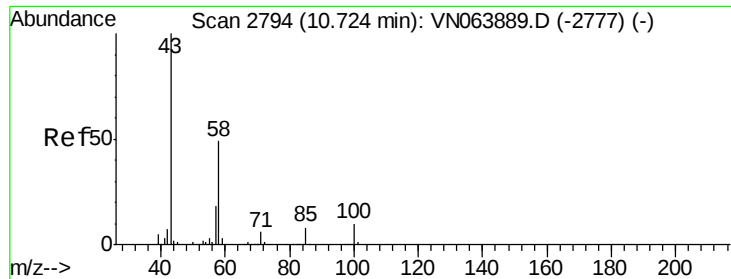
MMDadoda
10/7/2020 12:11:27 PM



#58
4-Methyl-2-Pentanone
Concen: 28.340 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.2	42.4
85	15.4	12.8	19.2





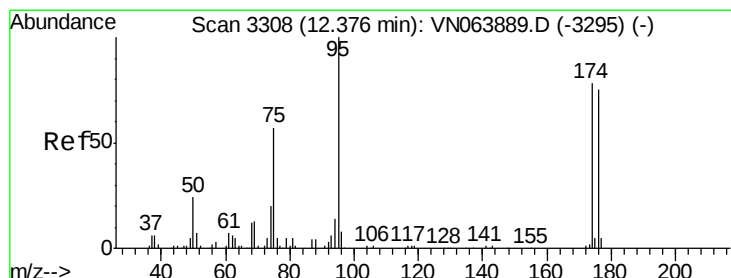
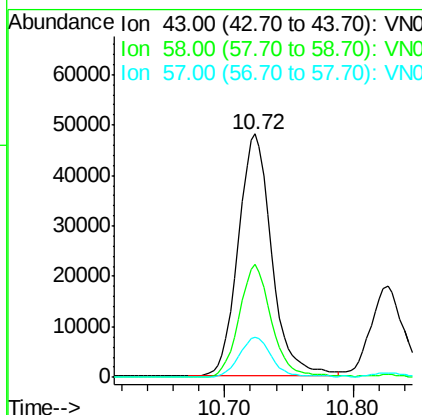
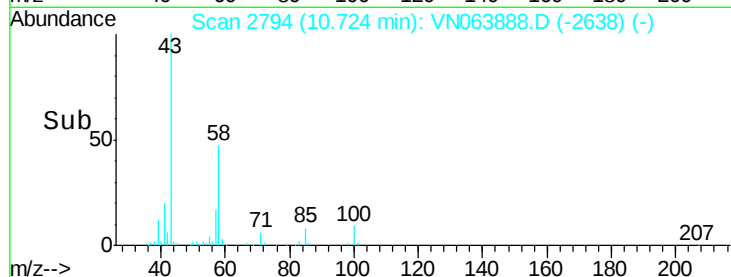
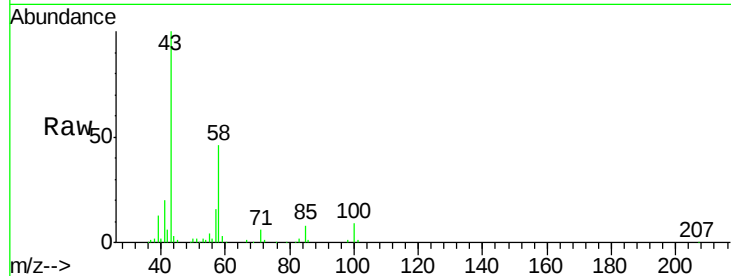
#59
2-Hexanone
Concen: 29.402 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.3	38.9	58.3
57	16.2	14.6	22.0

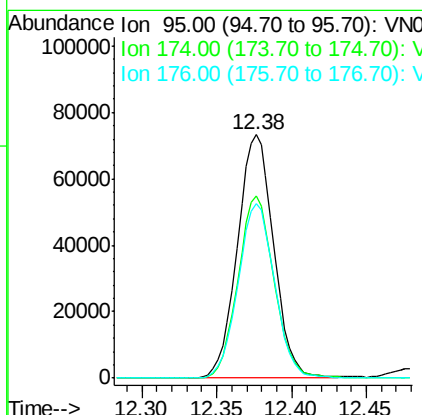
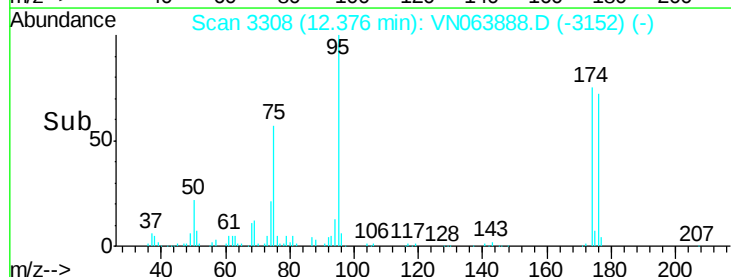
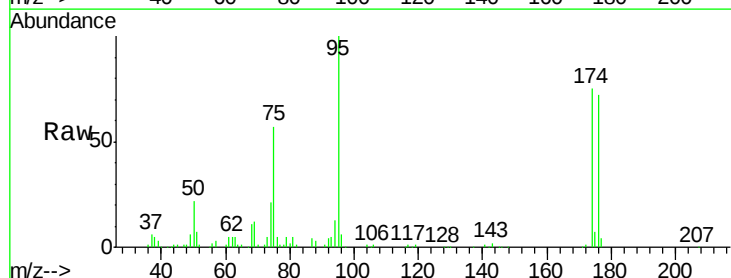
Manual Integrations
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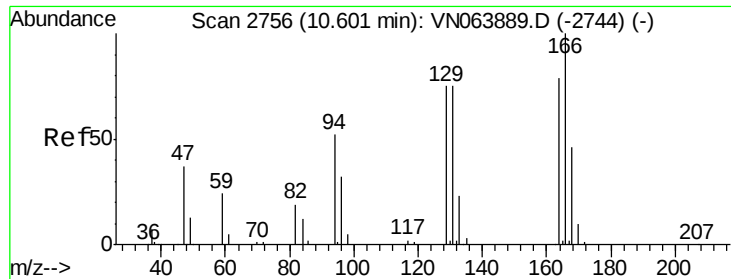
MMDadoda
10/7/2020 12:11:27 PM



#60
4-Bromofluorobenzene
Concen: 29.831 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	61.0	91.4
176	72.0	58.5	87.7





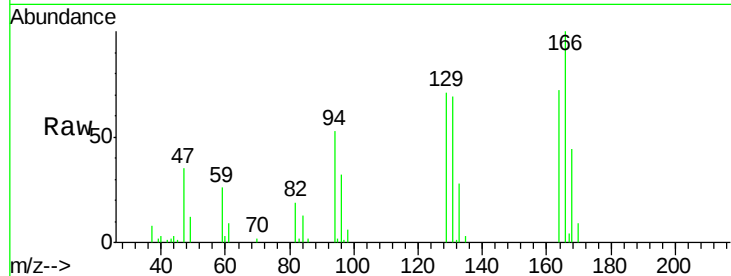
#61
 Tetrachloroethene
 Concen: 5.901 ug/l
 RT: 10.60 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

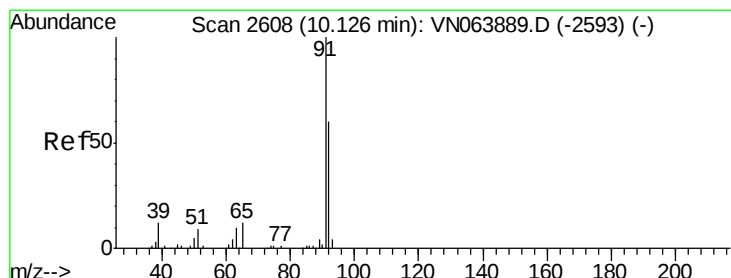
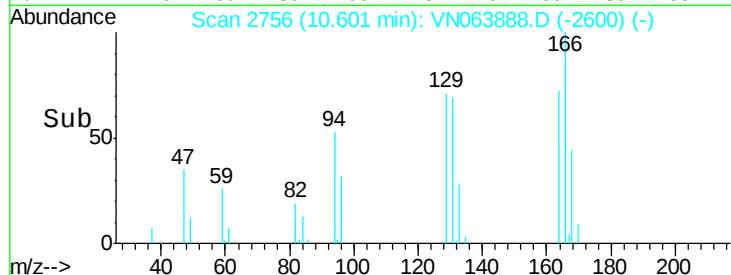
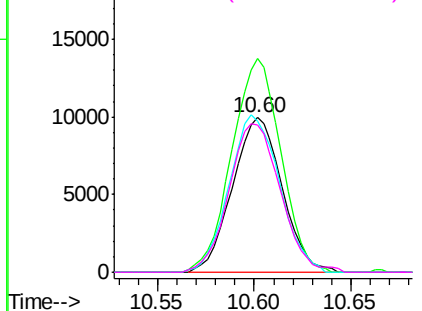
Tot Ion:	164	Resp:	17773
Ion	Ratio	Lower	Upper
164	100		
166	138.2	102.2	153.4
129	97.5	77.2	115.8
131	93.4	76.6	114.8

Manual Integrations
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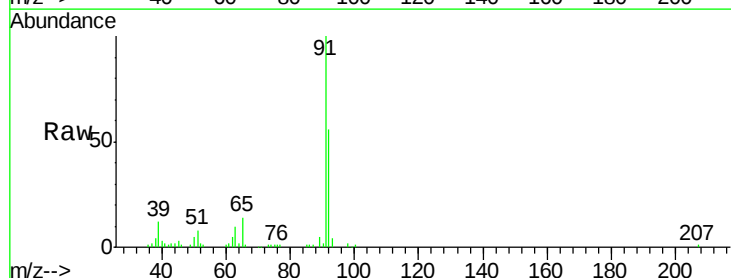


Abundance Ion 163.85 (163.55 to 164.55): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.90 (128.60 to 129.60): V
 Ion 130.90 (130.60 to 131.60): V

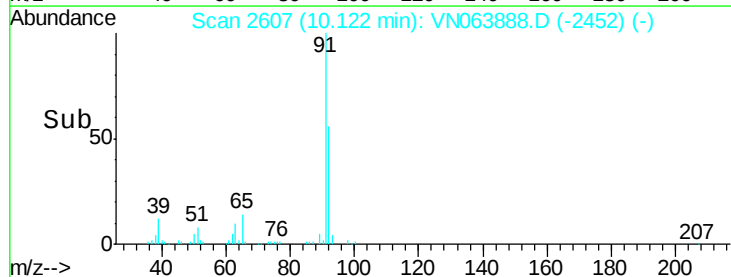
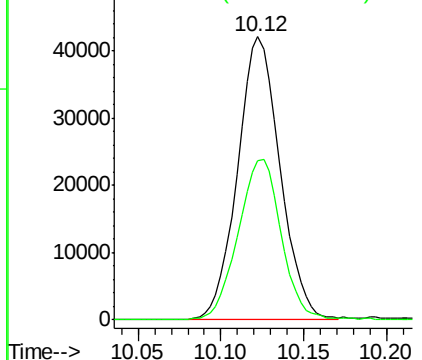


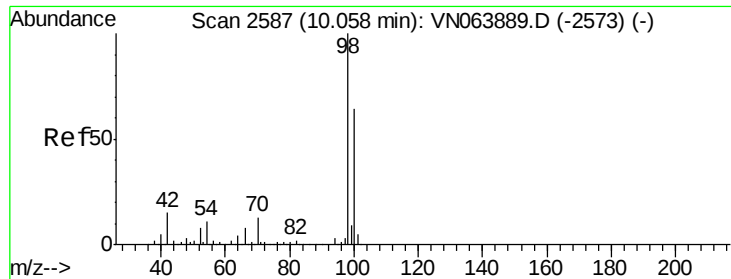
#62
 Toluene
 Concen: 5.277 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion:	91	Resp:	75250
Ion	Ratio	Lower	Upper
91	100		
92	57.1	47.2	70.8



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





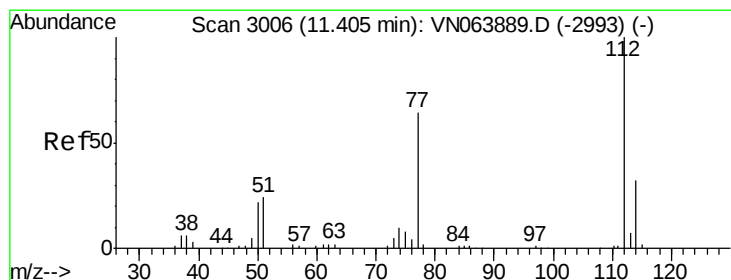
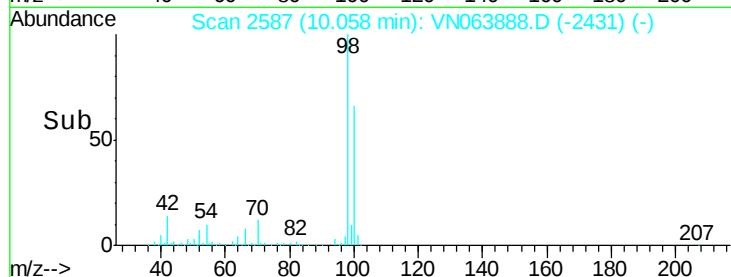
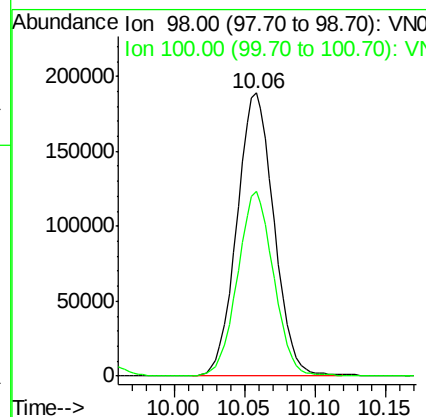
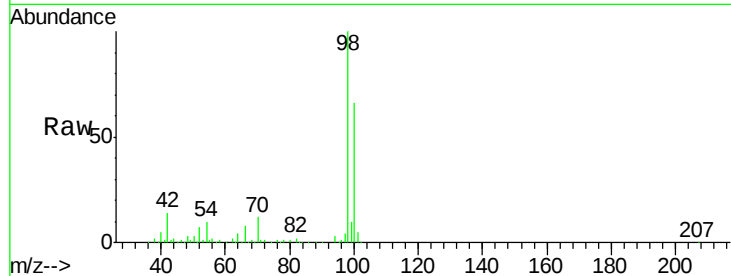
#63
Toluene-d8
Concen: 29.449 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 347870
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.6

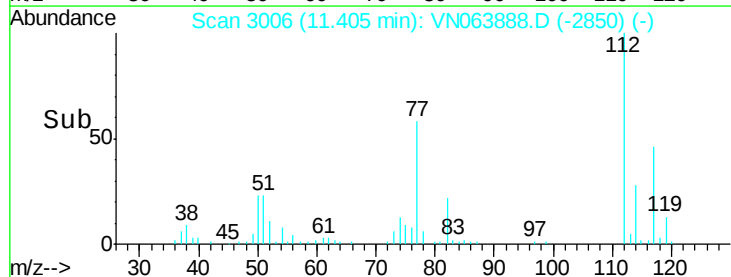
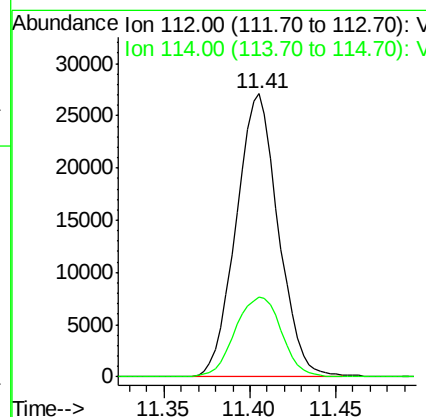
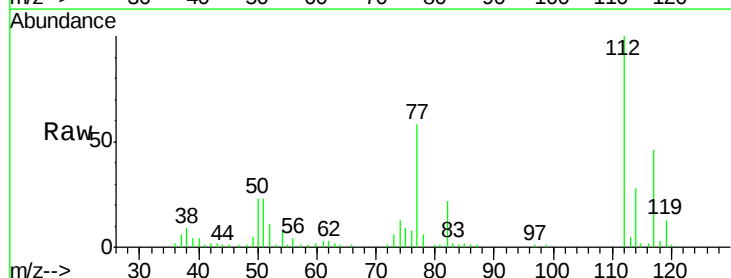
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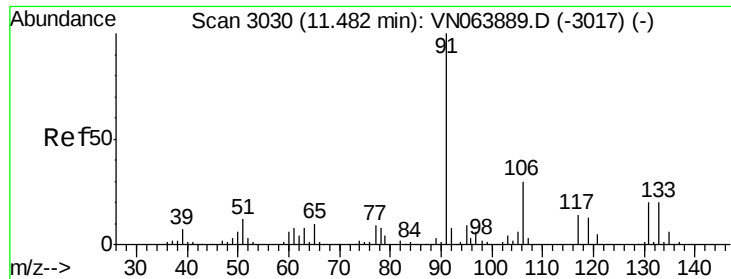
MMDadoda
10/7/2020 12:11:27 PM



#64
Chlorobenzene
Concen: 5.292 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion: 112 Resp: 46400
Ion Ratio Lower Upper
112 100
114 28.1 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 5.177 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:131 Resp: 17978

Ion Ratio Lower Upper

131 100

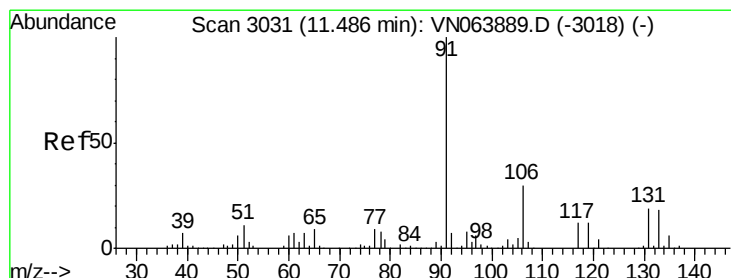
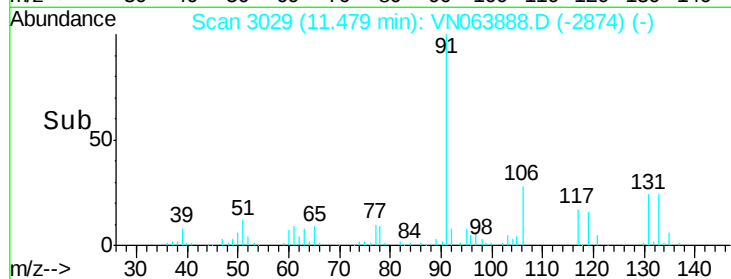
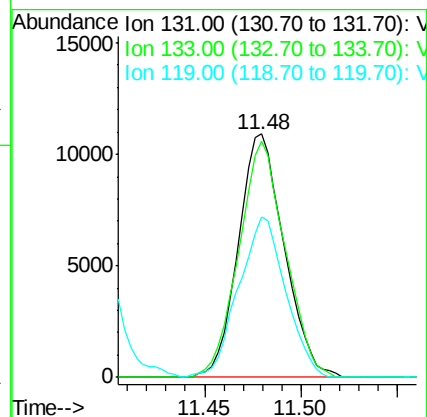
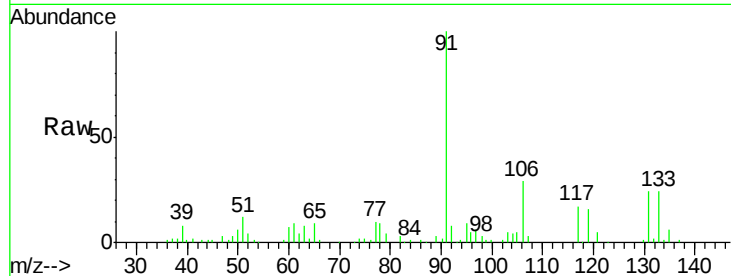
133 98.2 0.0 192.6

119 67.7 0.0 133.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 4.898 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063888.D

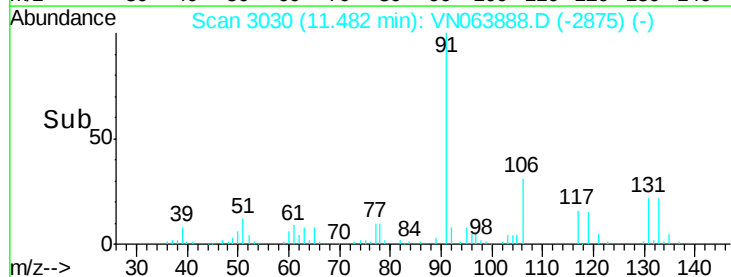
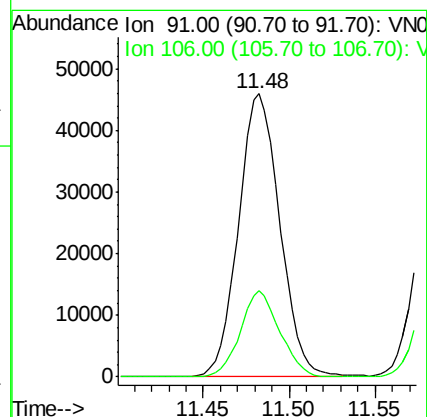
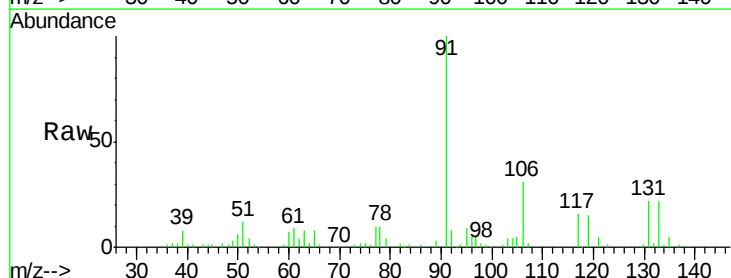
Acq: 6 Oct 2020 10:00

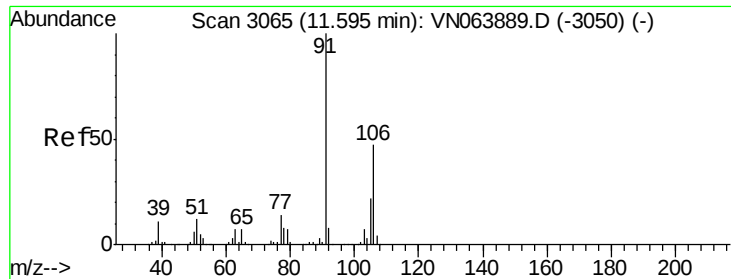
Tgt Ion: 91 Resp: 76552

Ion Ratio Lower Upper

91 100

106 30.5 24.4 36.6





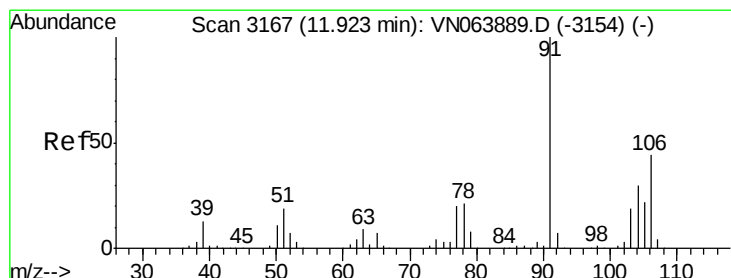
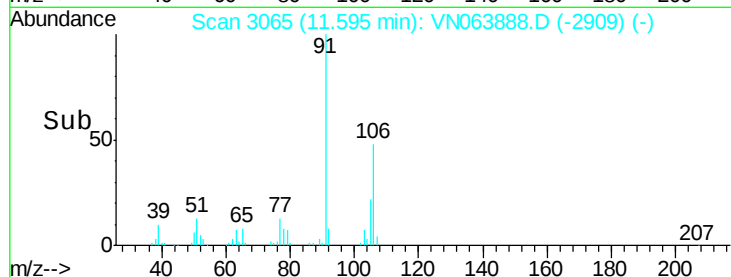
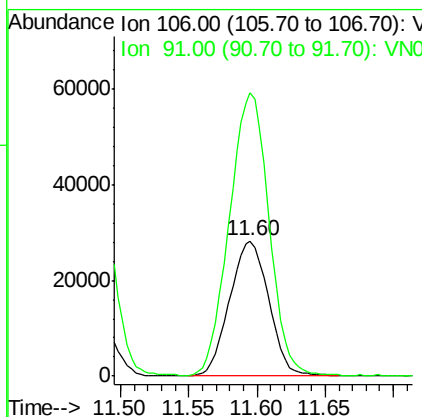
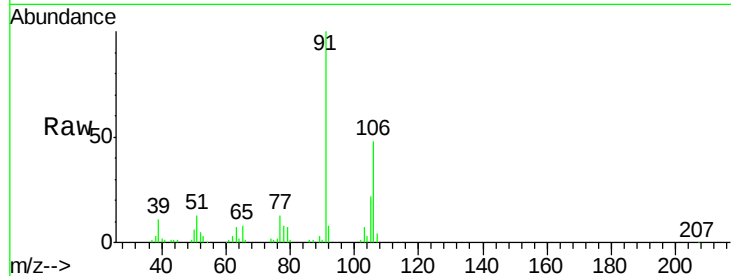
#67
m/p-Xylenes
Concen: 9.645 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 56383
Ion Ratio Lower Upper
106 100
91 212.4 169.2 253.8

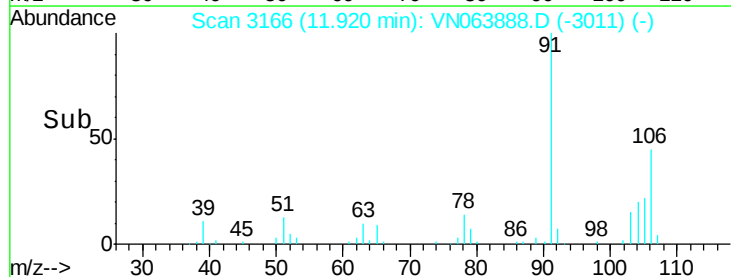
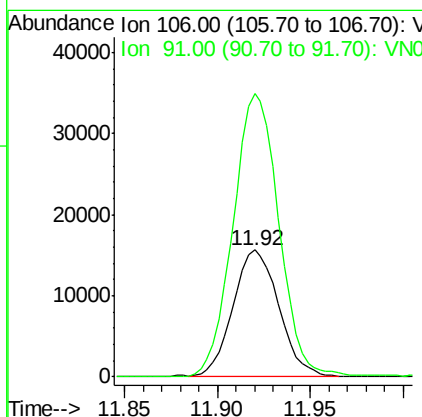
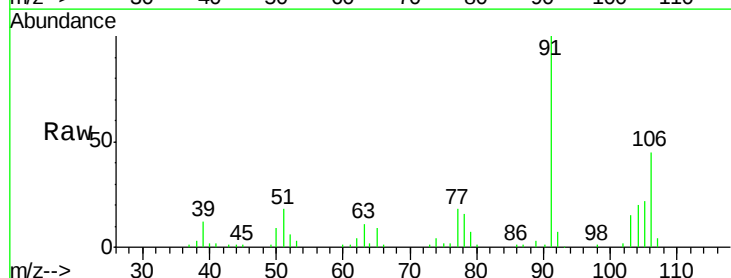
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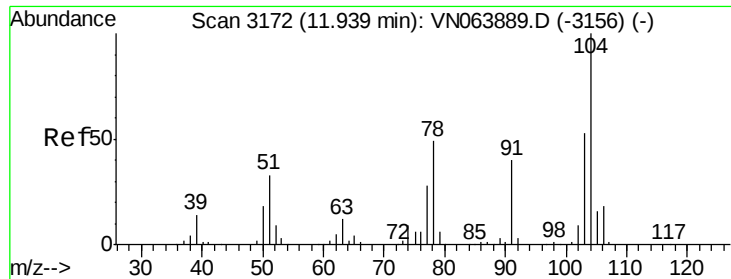
MMDadoda
10/7/2020 12:11:27 PM



#68
o-Xylene
Concen: 4.827 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion:106 Resp: 26978
Ion Ratio Lower Upper
106 100
91 221.7 113.1 339.4





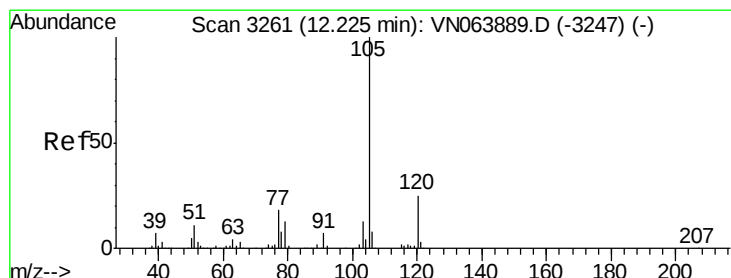
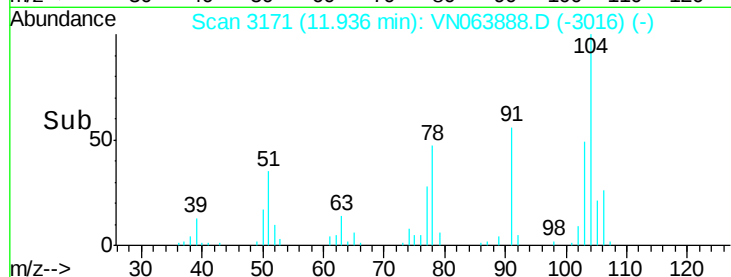
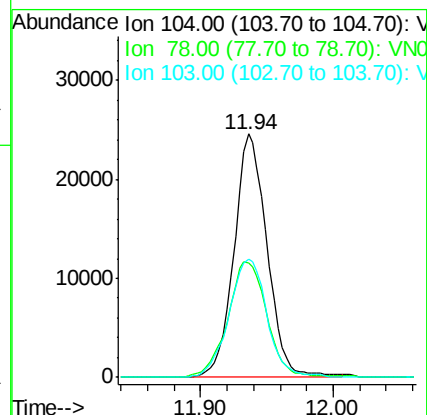
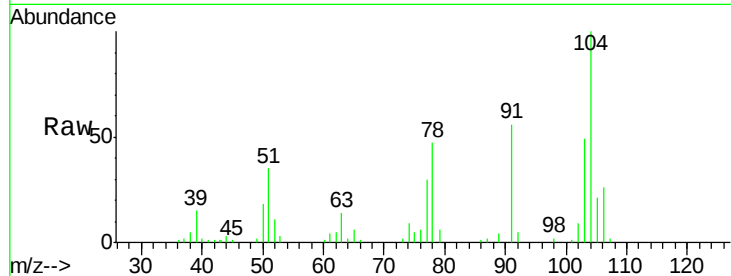
#69
Stvrene
Concen: 4.382 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.9	42.9	64.3
103	55.5	44.6	66.8

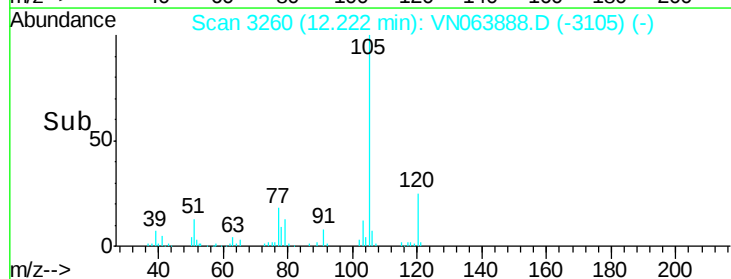
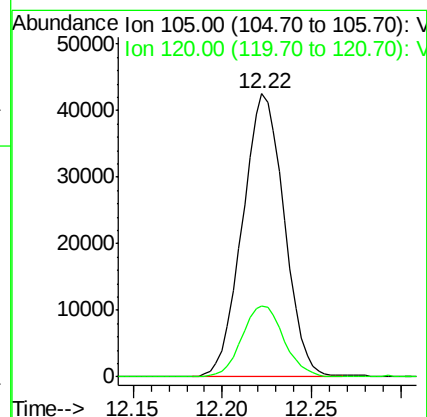
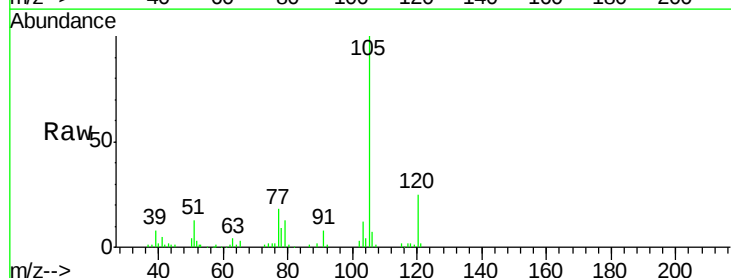
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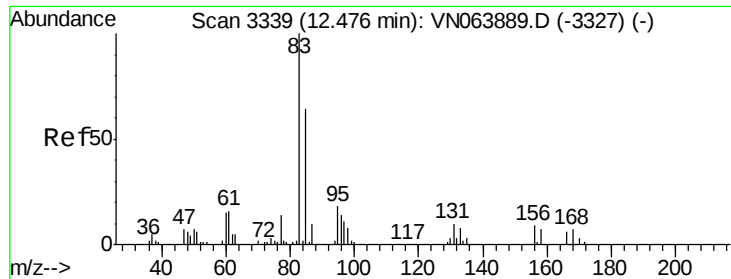
MMDadoda
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#70
Isopropylbenzene
Concen: 4.589 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	17.8	33.1





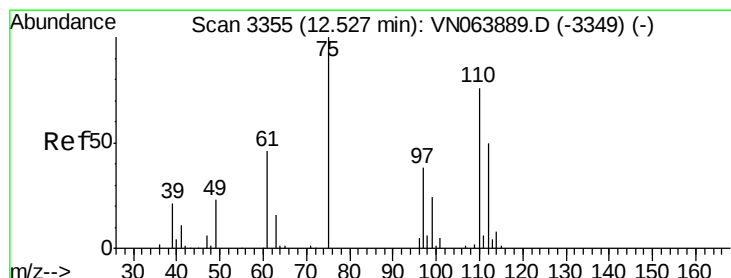
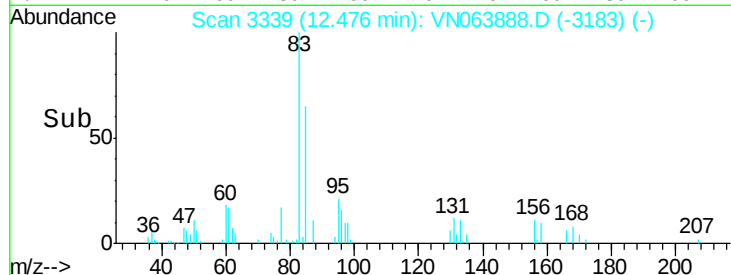
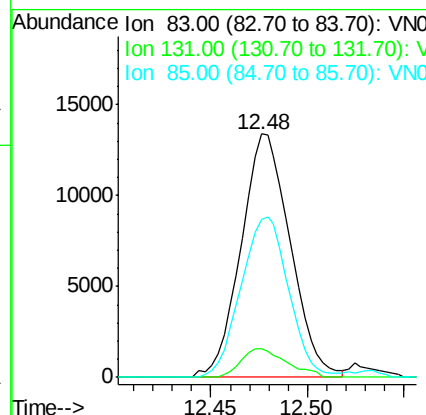
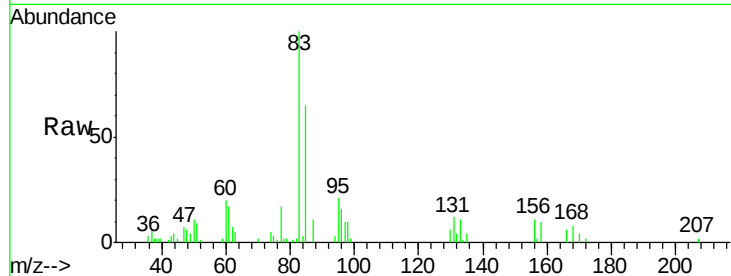
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.943 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	23738
Ion Ratio	100	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	63.4	32.3	96.8

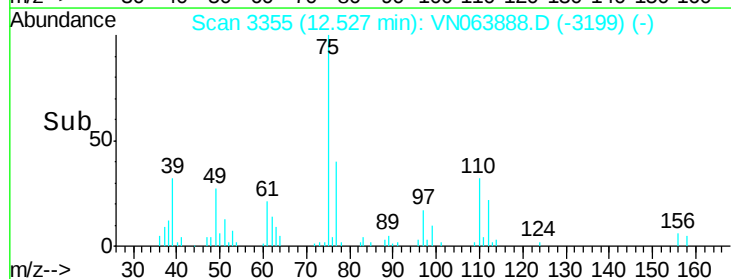
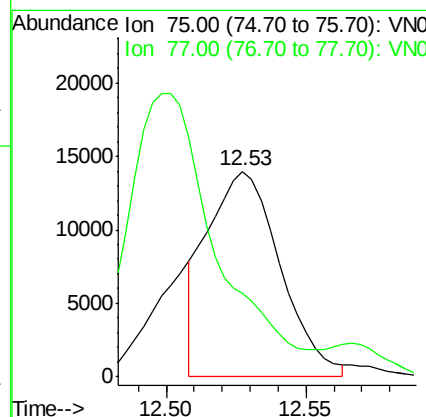
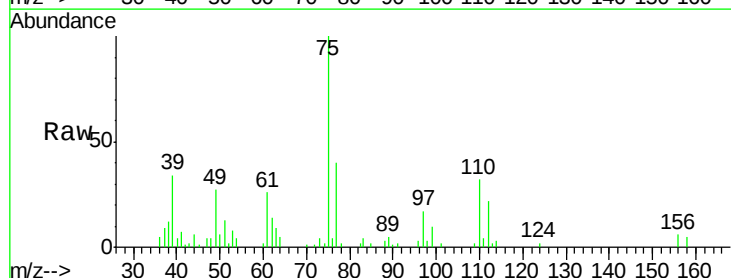
Manual Integrations
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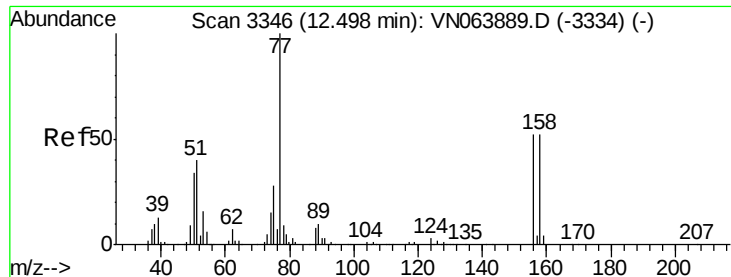
MMDadoda
 10/7/2020 12:11:27 PM



#72
 1,2,3-Trichloropropane
 Concen: 5.651 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	75	Resp	25029
Ion Ratio	100	Lower	Upper
75	100		
77	171.2	0.0	336.6





#73

Bromobenzene

Concen: 4.843 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

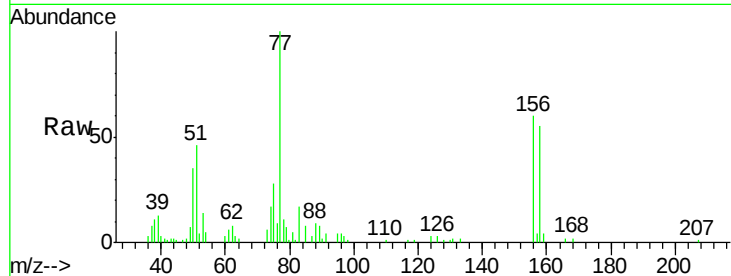
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	19430
Ion Ratio	Lower	Upper	
156	100		
77	220.5	0.0	456.4
158	93.9	0.0	200.4

Manual Integrations
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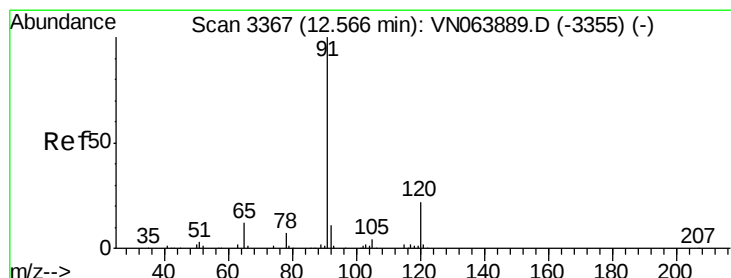
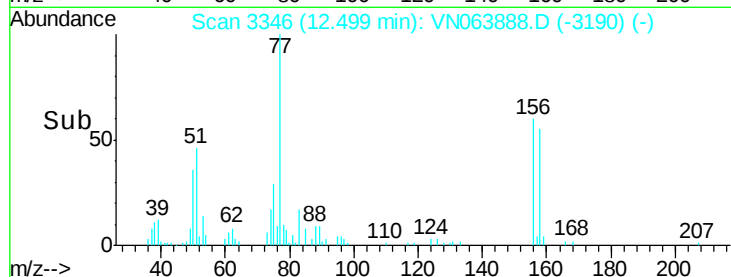
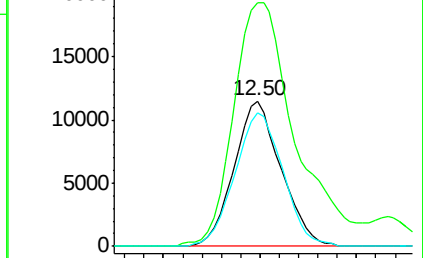
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.607 ug/l

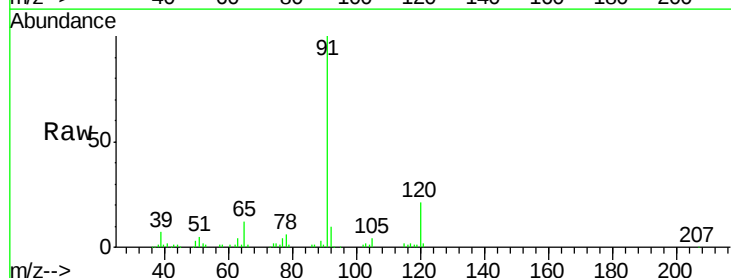
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063888.D

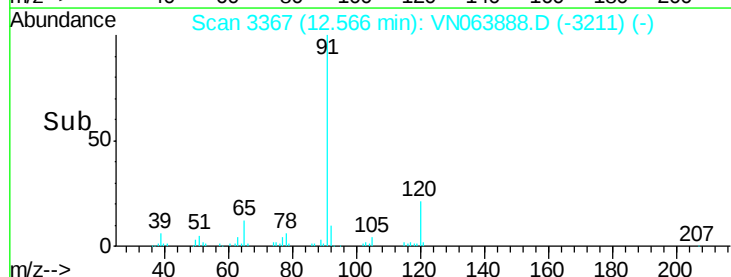
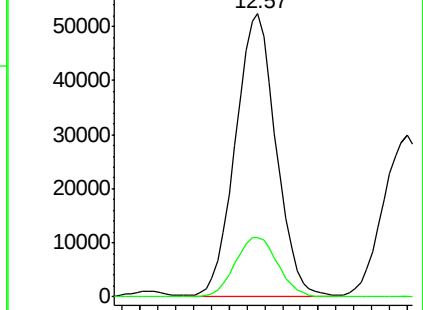
Acq: 6 Oct 2020 10:00

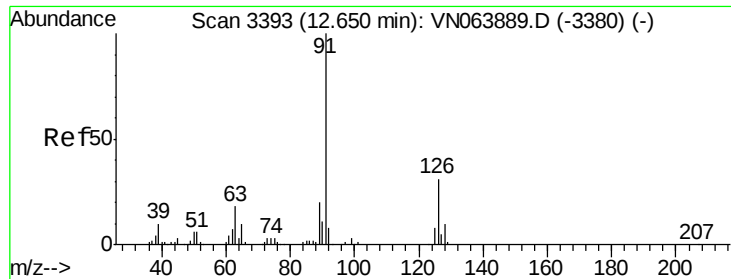
Tgt Ion:	91	Resp:	83297
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	42.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.647 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 50263

Ion Ratio Lower Upper

91 100

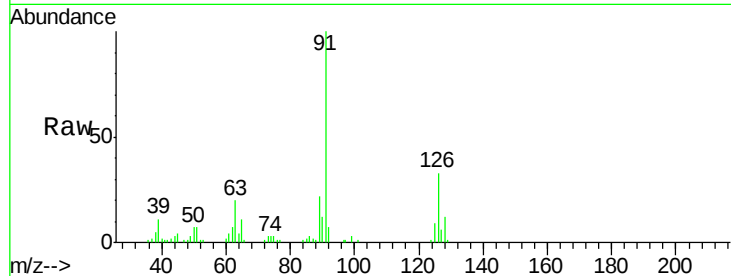
126 32.4 0.0 63.4

Manual Integrations

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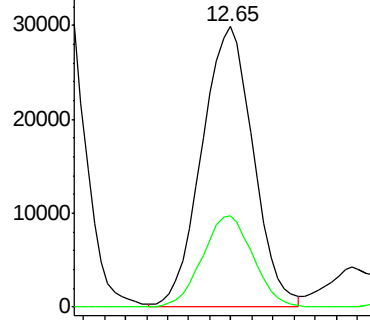
MMDadoda

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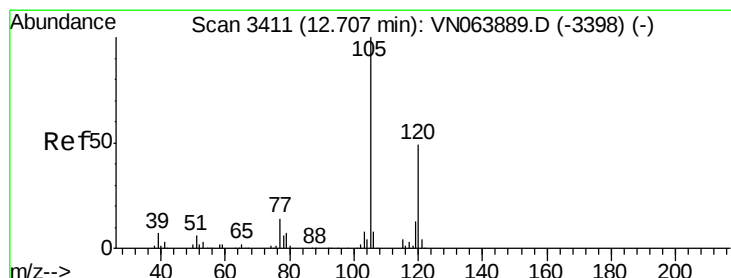
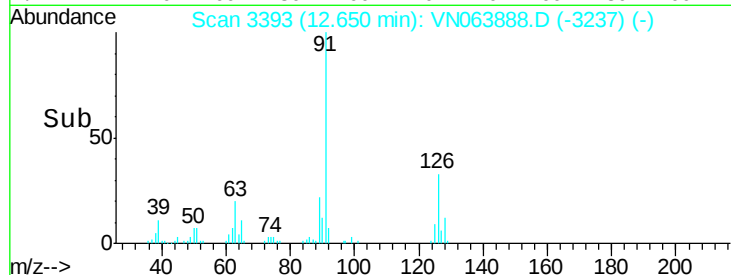


Abundance Ion 91.00 (90.70 to 91.70): VN063888.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN063888.D (-3380) (-)



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.447 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063888.D

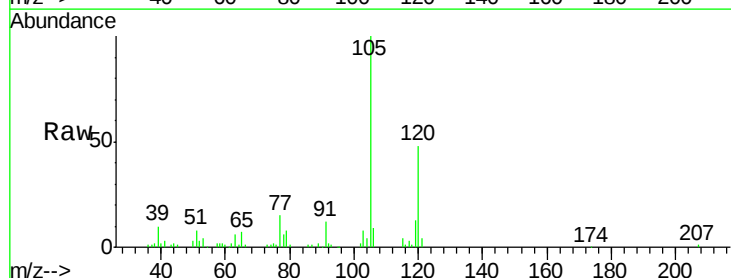
Acq: 6 Oct 2020 10:00

Tgt Ion: 105 Resp: 57228

Ion Ratio Lower Upper

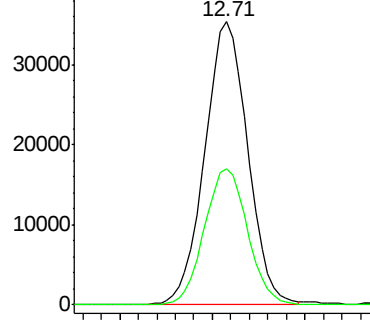
105 100

120 48.0 0.0 94.2

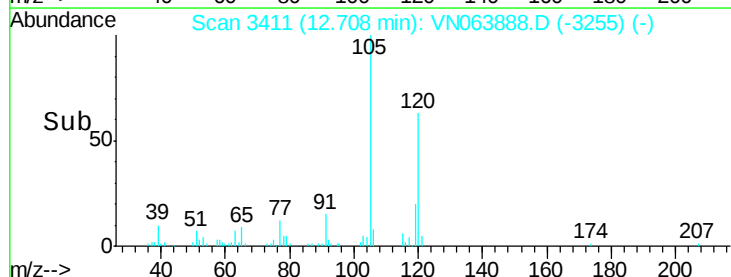


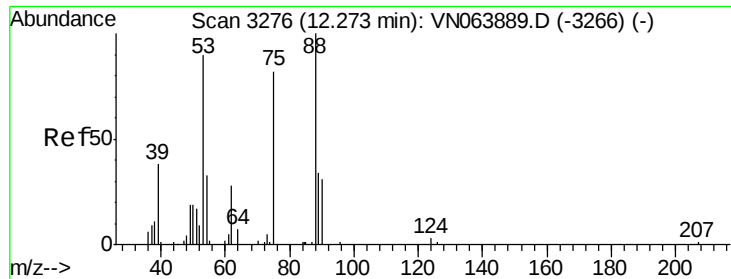
Abundance Ion 105.00 (104.70 to 105.70): VN063888.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN063888.D (-3398) (-)



Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 4.781 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Instrument :

MSVOA_N

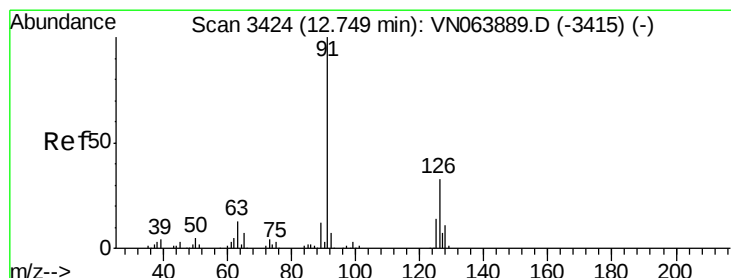
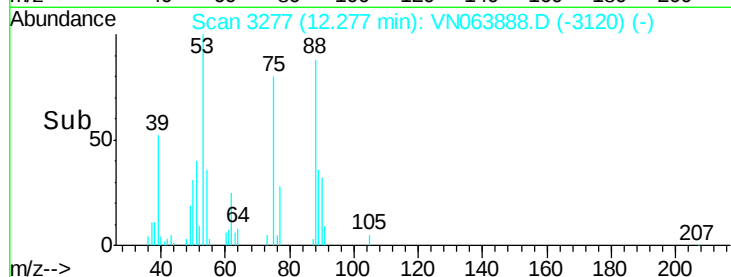
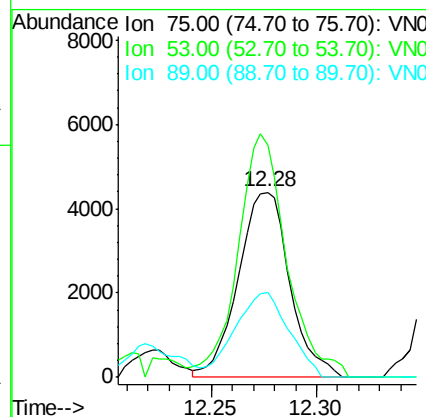
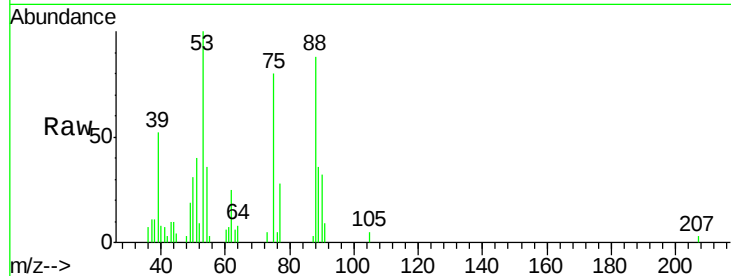
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	7475
Ion	Ratio	Lower	Upper
75	100		
53	119.8	55.3	165.9
89	45.6	21.9	65.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 4.733 ug/l

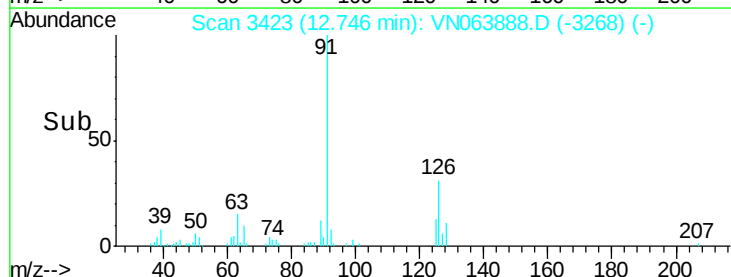
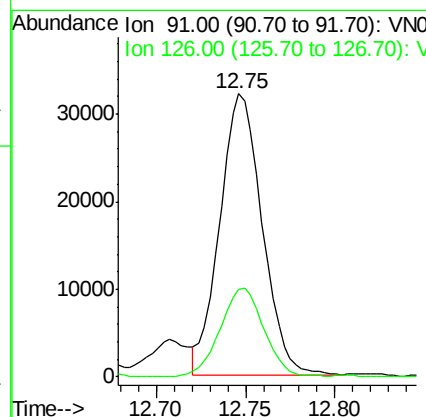
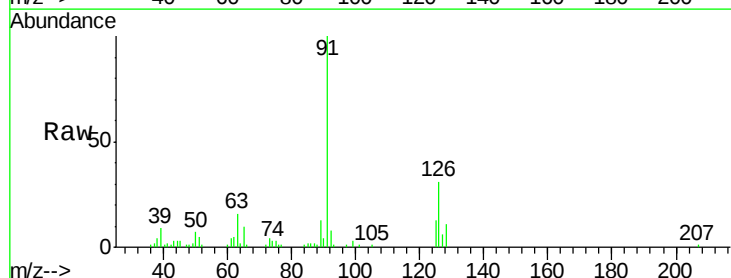
RT: 12.75 min Scan# 3423

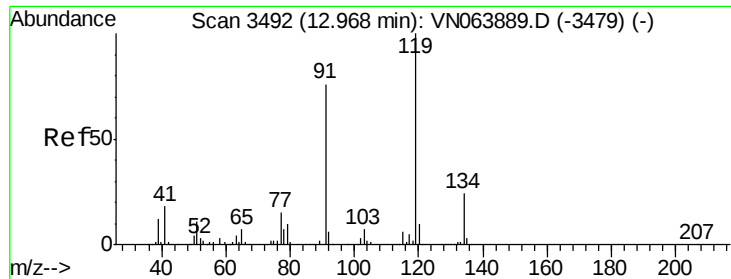
Delta R.T. -0.00 min

Lab File: VN063888.D

Acq: 6 Oct 2020 10:00

Tgt Ion:	91	Resp:	53118
Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	62.6





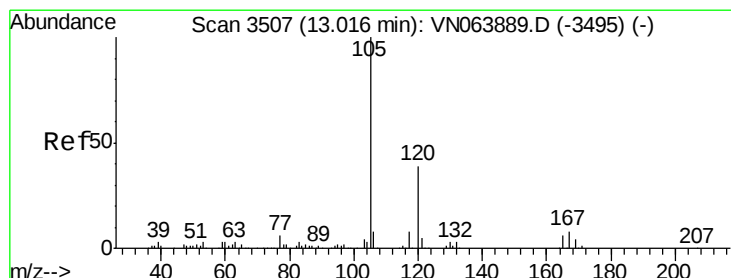
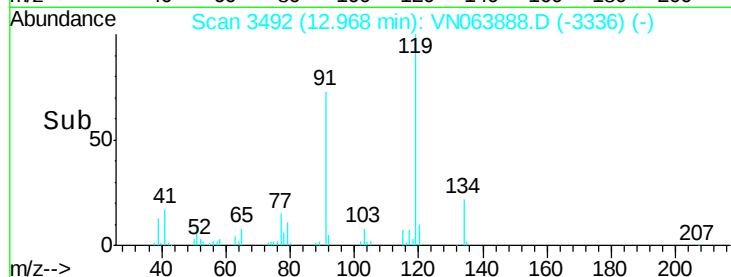
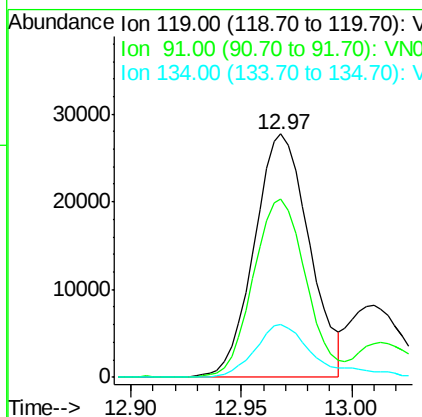
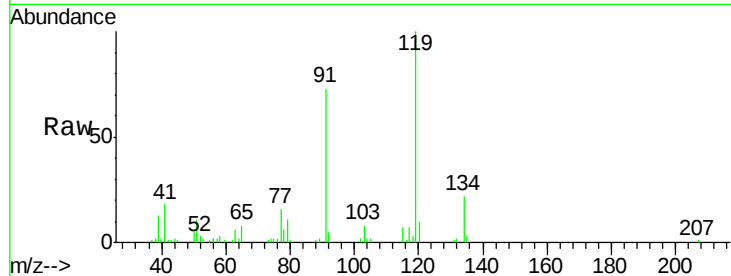
#79
tert-butylbenzene
Concen: 4.459 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	0.0	145.6
134	20.8	0.0	47.8

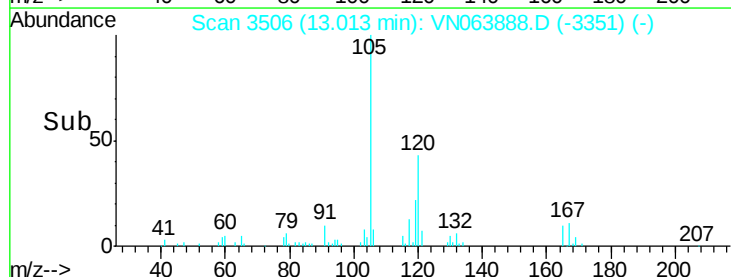
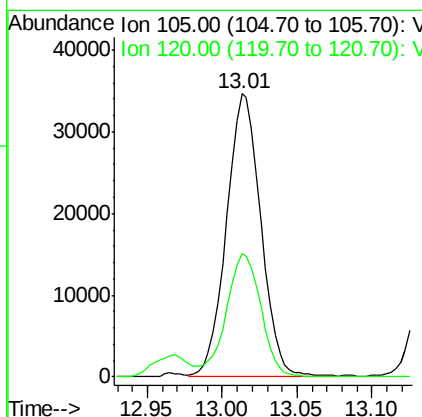
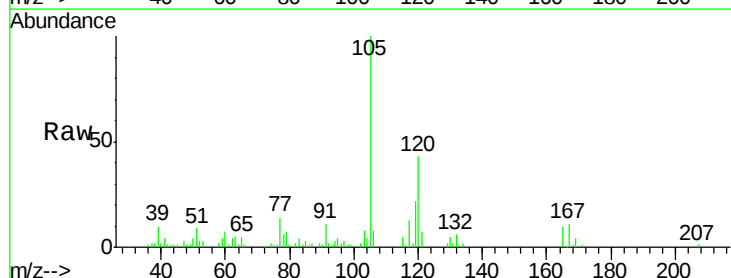
Manual Integrations
APPROVED

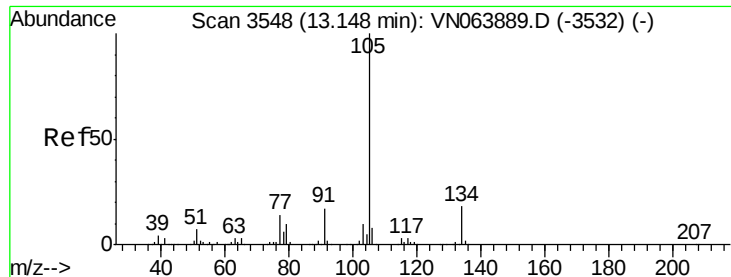
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.397 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	0.0	85.4





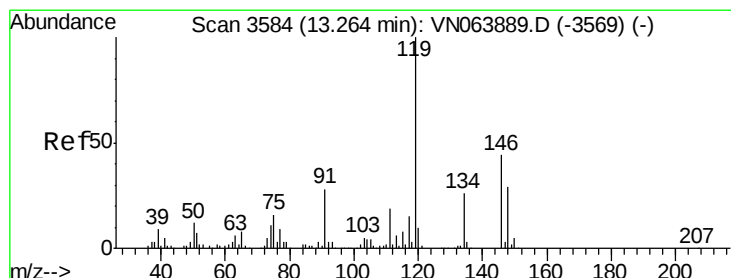
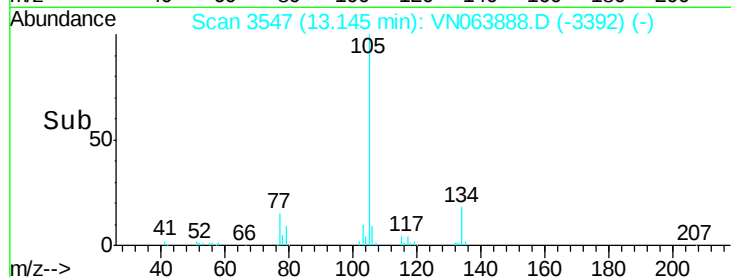
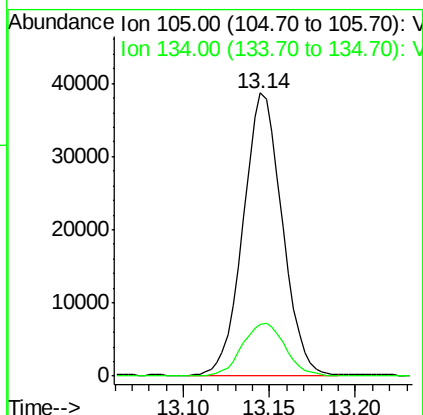
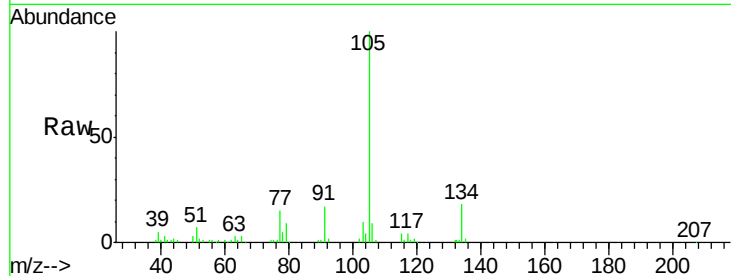
#81
 sec-Butylbenzene
 Concen: 4.120 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	36.8

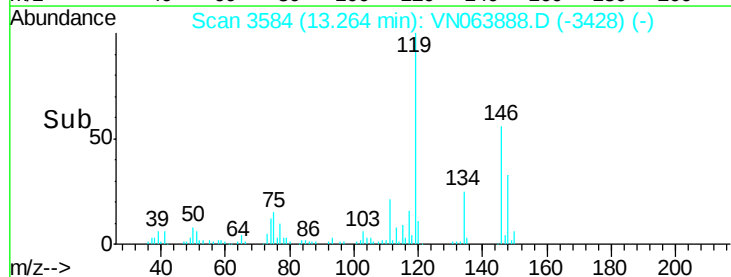
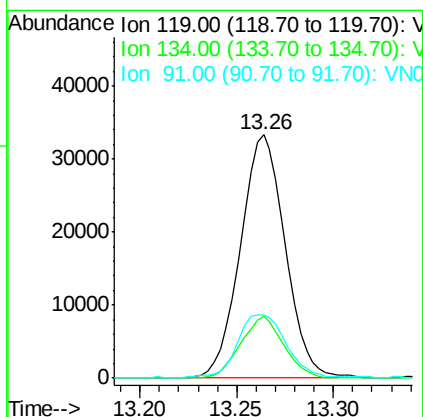
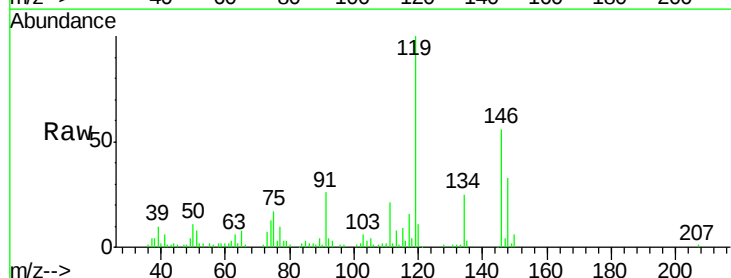
Manual Integrations
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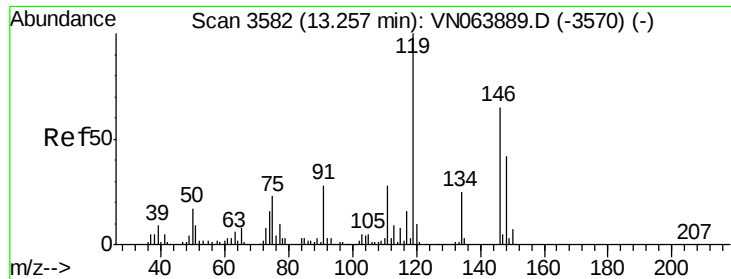
MMDadoda
 10/7/2020 12:11:27 PM



#82
 p-Isopropyltoluene
 Concen: 4.103 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	0.0	50.6
91	28.5	0.0	55.2





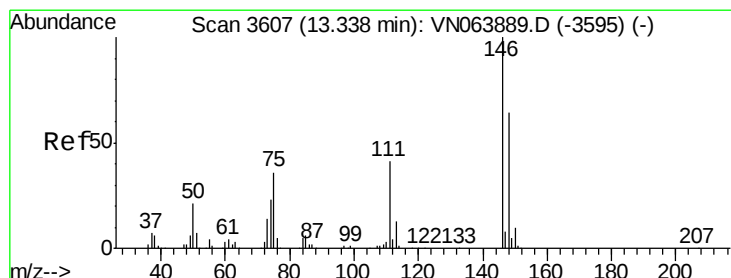
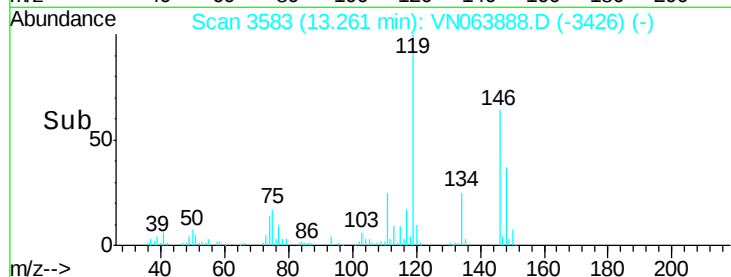
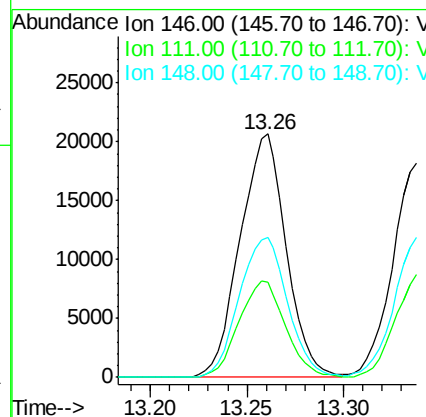
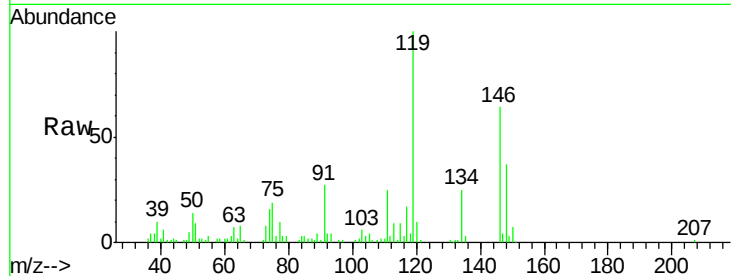
#83
 1,3-Dichlorobenzene
 Concen: 4.863 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.6	64.8
148	60.3	32.8	98.3

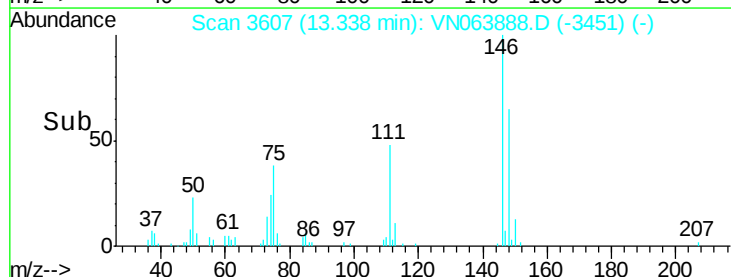
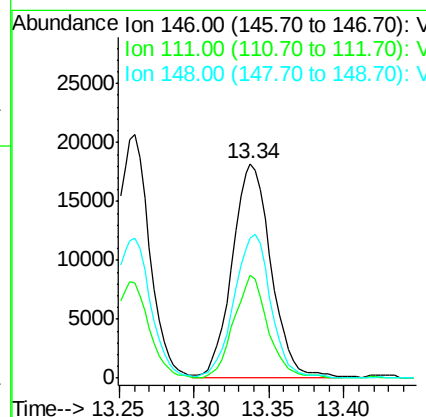
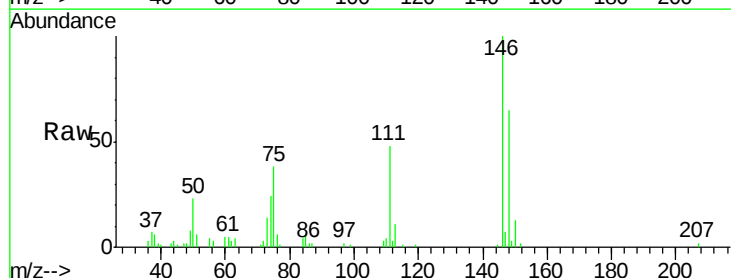
Manual Integrations
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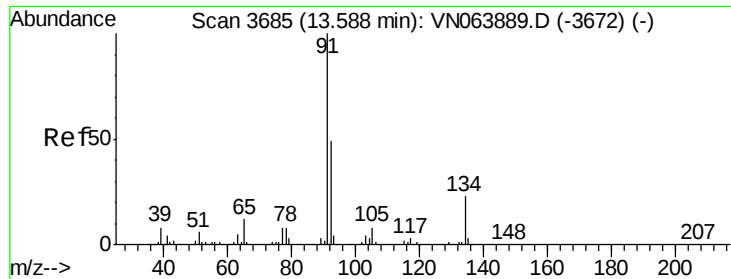
MMDadoda
 10/7/2020 12:11:27 PM



#84
 1,4-Dichlorobenzene
 Concen: 4.776 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.8	59.4
148	61.1	32.6	98.0





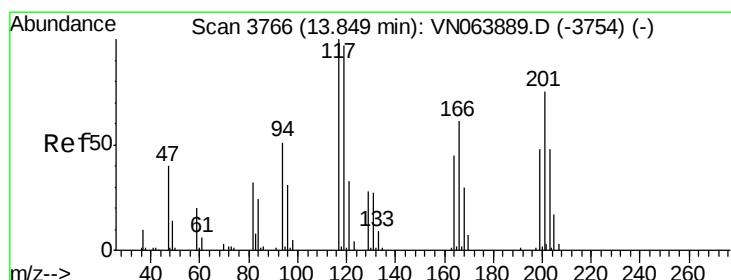
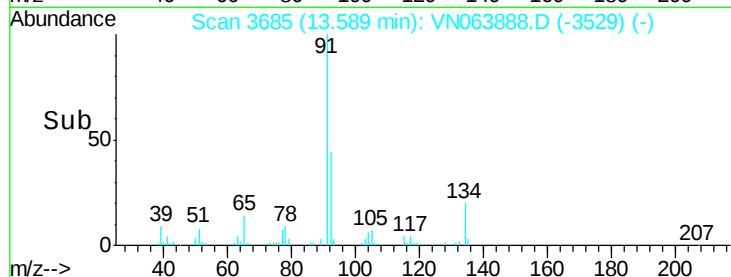
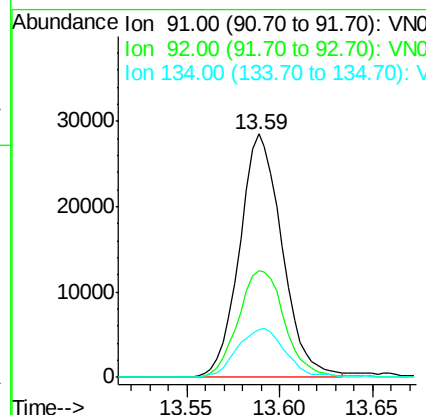
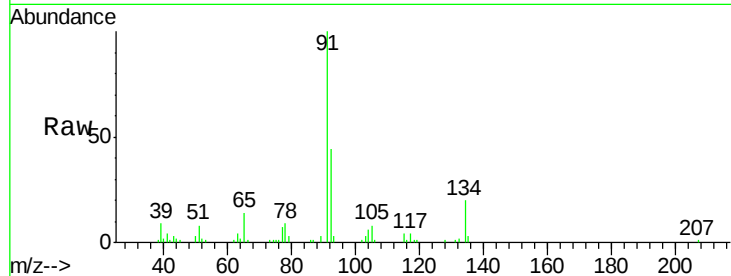
#85
n-Butylbenzene
Concen: 4.101 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	47.5	0.0	98.2
134	22.3	0.0	45.8

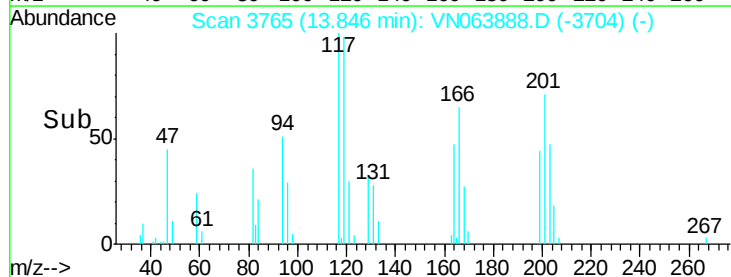
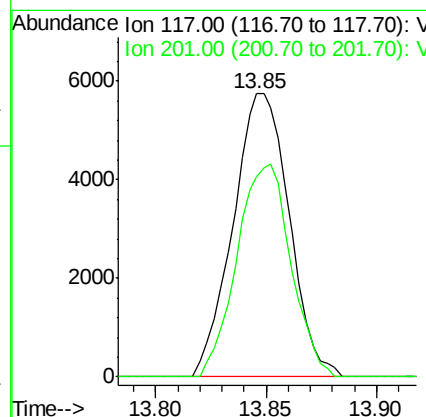
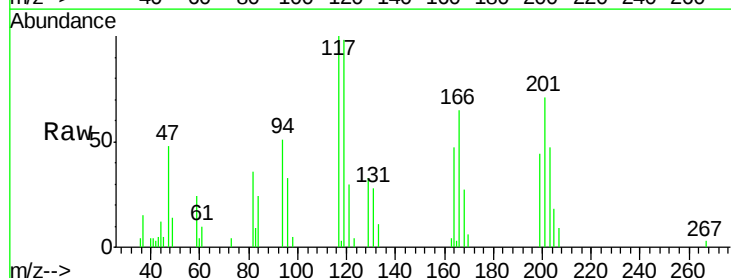
Manual Integrations
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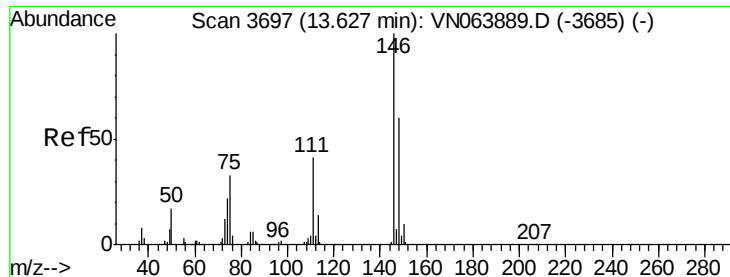
MMDadoda
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#86
Hexachloroethane
Concen: 4.078 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.0	36.6	109.9





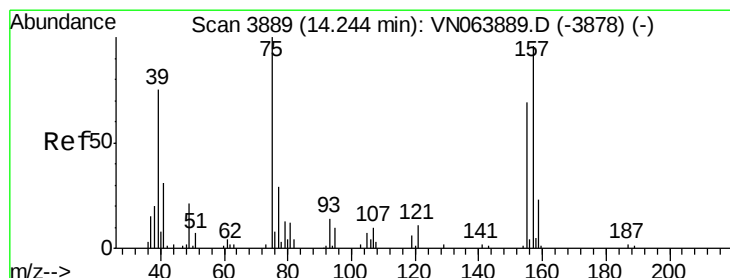
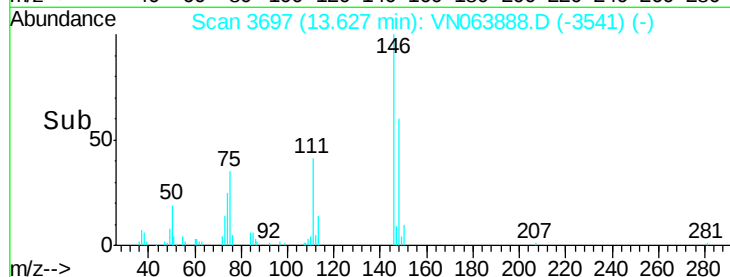
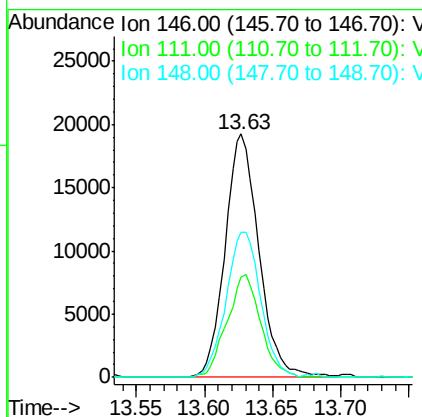
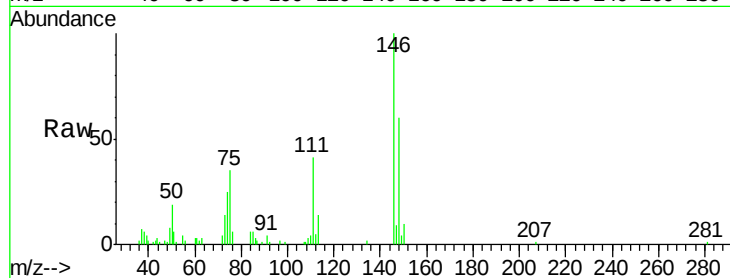
#87
 1,2-Dichlorobenzene
 Concen: 4.890 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	60.9	31.6	95.0

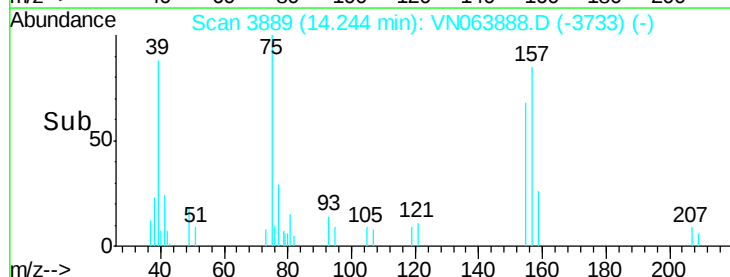
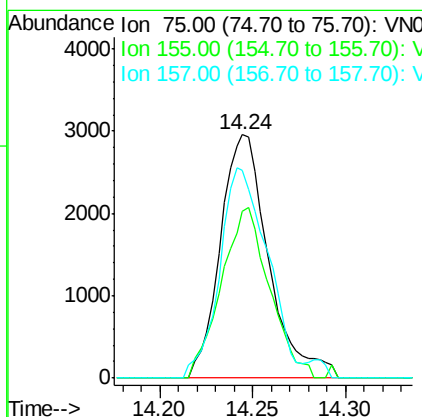
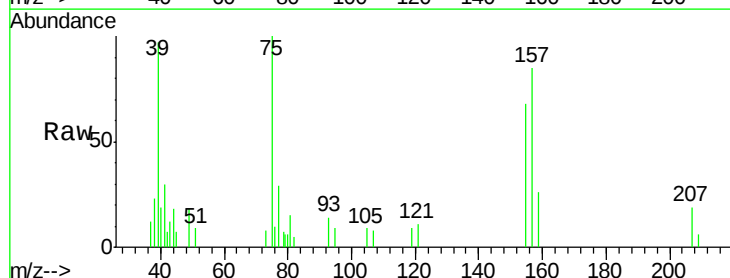
Manual Integrations
 APPROVED

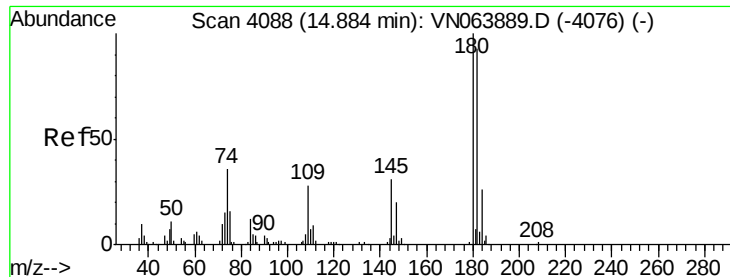
MMDadoda
 10/7/2020 12:11:27 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 6.283 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	55.4	83.2
157	85.9	73.6	110.4





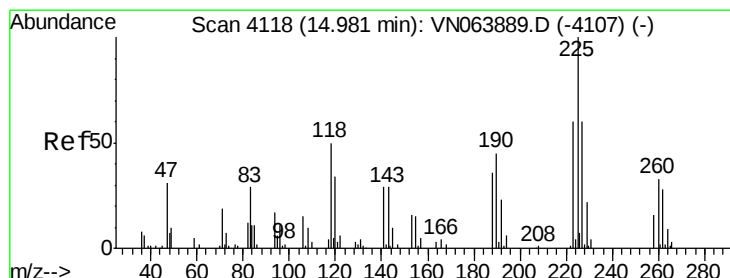
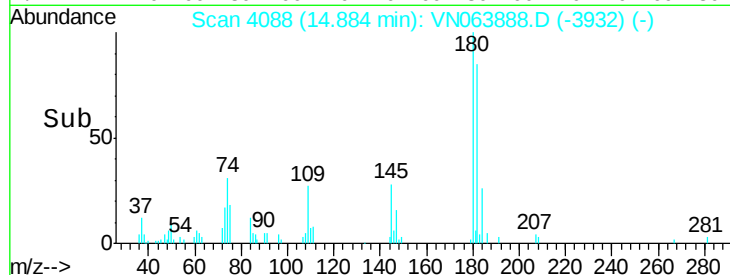
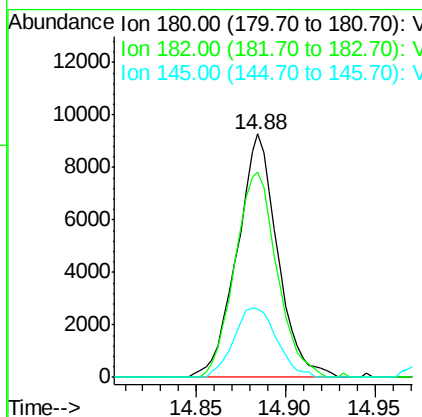
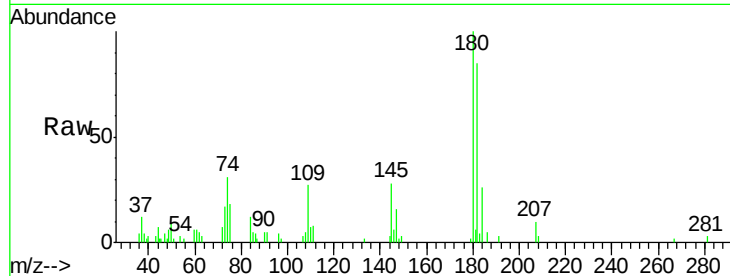
#89
 1,2,4-Trichlorobenzene
 Concen: 4.287 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.9	76.8	115.2
145	30.0	26.0	39.0

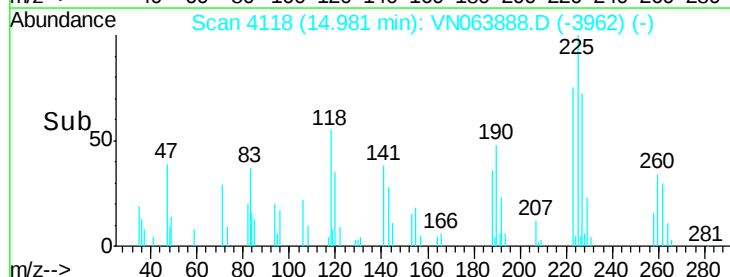
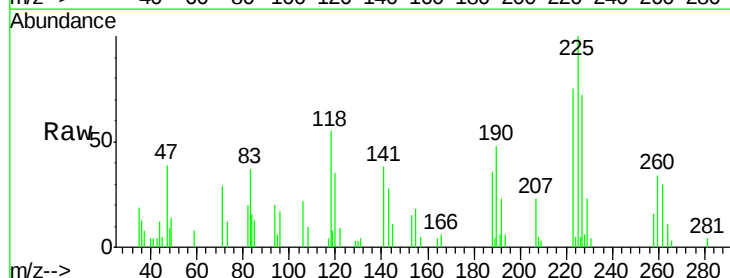
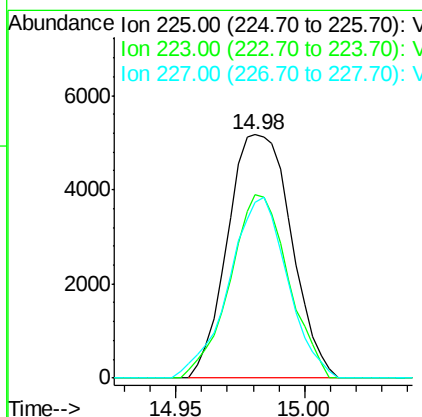
Manual Integrations
 APPROVED

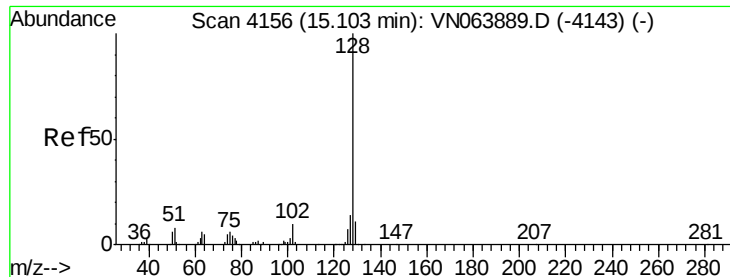
MMDadoda
 10/7/2020 12:11:27 PM



#90
 Hexachlorobutadiene
 Concen: 3.757 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063888.D
 Acq: 6 Oct 2020 10:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.9	0.0	124.8
227	68.4	0.0	121.4





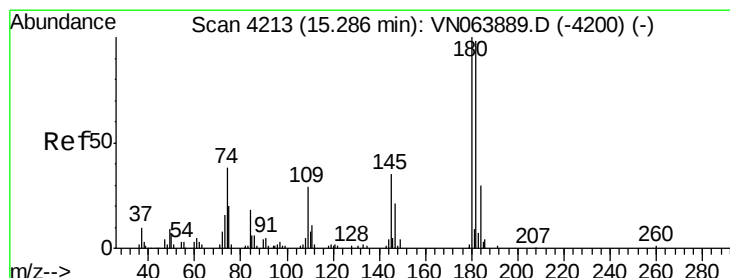
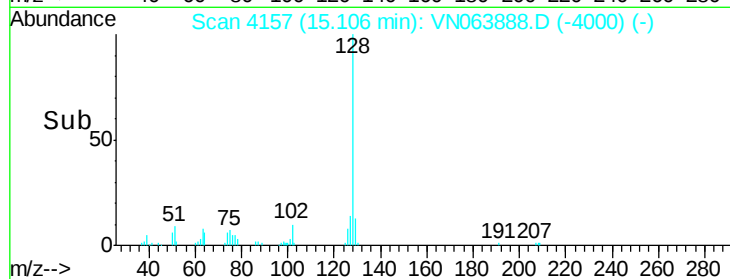
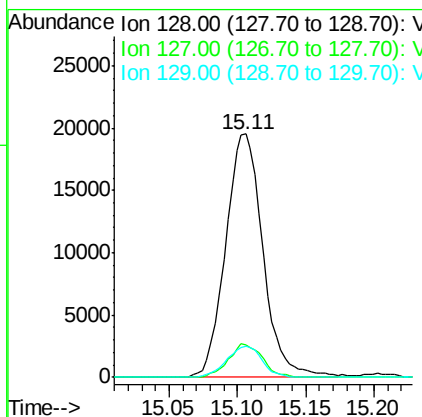
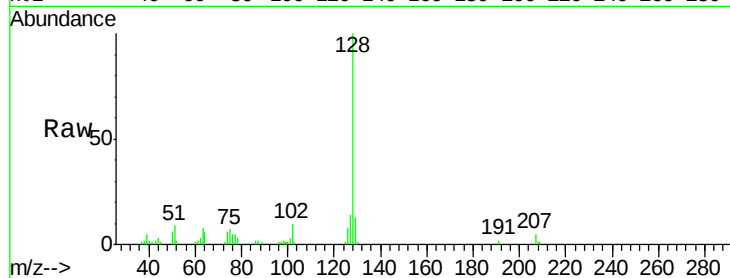
#91
Naphthalene
Concen: 4.487 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	128	Resp:	37120
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.6	15.8
129	12.1	8.5	12.7

Manual Integrations
APPROVED

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#92
1,2,3-Trichlorobenzene
Concen: 4.103 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063888.D
Acq: 6 Oct 2020 10:00

Tgt Ion:	180	Resp:	13965
Ion Ratio	Lower	Upper	
180	100		
182	97.7	0.0	196.0
145	34.9	0.0	71.0

