

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063891.D
 Acq On : 6 Oct 2020 11:39
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:35 PM

Quant Time: Oct 06 12:32:13 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	54745	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	291213	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	278149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	146411	35.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	119.63%
60) 4-Bromofluorobenzene	12.38	95	147587	33.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	110.27%
63) Toluene-d8	10.06	98	380116	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	389092	97.954	ug/l 100
3) Chloromethane	2.04	50	399728	92.913	ug/l 97
4) Vinyl Chloride	2.16	62	395712	91.292	ug/l 98
5) Bromomethane	2.53	94	251670	93.657	ug/l 94
6) Chloroethane	2.67	64	242667	93.770	ug/l 99
7) Trichlorofluoromethane	2.98	101	607064	109.728	ug/l 99
8) Diethyl Ether	3.37	74	203780	111.303	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	311102	103.892	ug/l 97
10) 1,1-Dichloroethene	3.70	96	302239	111.876	ug/l 97
11) Methyl Iodide	3.91	142	412441	112.265	ug/l 99
12) Methyl Acetate	4.28	43	380379	107.903	ug/l 100
13) Acrolein	3.57	56	214458	613.701	ug/l 98
14) Acrylonitrile	4.93	53	799260	527.563	ug/l 96
15) Acetone	3.77	58	219773	497.819	ug/l 99
16) Carbon Disulfide	4.01	76	896058	120.896	ug/l 100
17) Allyl chloride	4.28	41	556510	109.809	ug/l 99
18) Methylene Chloride	4.50	84	355964	97.292	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	344031	115.887	ug/l 97
20) Diisopropyl ether	5.90	45	1155967	103.109	ug/l 99
21) 1,1-Dichloroethane	5.80	63	676654	106.891	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	393602	108.783	ug/l 94
23) tert-Butyl Alcohol	4.73	59	329719	622.891	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1046303	107.313	ug/l # 53
25) Chloroform	7.33	83	718512	112.570	ug/l 98
26) Cyclohexane	7.61	56	515251	98.954	ug/l # 95
29) 1,1-Dichloropropene	7.75	75	532322	117.121	ug/l 99
30) 2-Butanone	6.78	43	1305781	613.309	ug/l 100
31) 2,2-Dichloropropane	6.78	77	613341	111.139	ug/l # 79
32) 1,1,1-Trichloroethane	7.53	97	655534	118.120	ug/l 98
33) Carbon Tetrachloride	7.73	117	585108	123.009	ug/l 99
34) Benzene	8.00	78	1483222	105.121	ug/l # 92
35) Methacrylonitrile	7.13	41	272149	138.019	ug/l 96
36) 1,2-Dichloroethane	8.09	62	635816	124.485	ug/l 99
37) Trichloroethene	8.80	130	378007	108.347	ug/l 99
38) Methylcyclohexane	9.05	83	455680	86.709	ug/l 98
39) 1,2-Dichloropropane	9.08	63	395722	97.491	ug/l 100
40) Dibromomethane	9.17	93	276150	112.363	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	589496	110.325	ug/l	96
42) Vinyl Acetate	5.84	43	5616462	673.779	ug/l	100
43) Ethyl Acetate	6.88	43	560093	135.201	ug/l	97
44) Isopropyl Acetate	8.13	43	944477	133.401	ug/l #	100
45) 1,4-Dioxane	9.16	88	117130	1942.258	ug/l	92
46) Methyl methacrylate	9.17	41	484984	138.976	ug/l	97
47) n-amyl Acetate	12.05	43	887966	142.575	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	659867	115.971	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	671905	110.576	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	374954	102.902	ug/l	95
51) Ethyl methacrylate	10.40	69	598915	118.728	ug/l	95
52) 1,3-Dichloropropane	10.68	76	648033	107.122	ug/l	99
53) Dibromochloromethane	10.87	129	448501	110.607	ug/l	99
54) 1,2-Dibromoethane	10.98	107	400527	112.148	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	1549182	1119.654	ug/l	100
56) Bromoform	12.10	173	321076	109.687	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	2866926	651.420	ug/l	99
59) 2-Hexanone	10.72	43	2151976	678.398	ug/l	98
61) Tetrachloroethene	10.60	164	349941	107.811	ug/l	99
62) Toluene	10.13	91	1654598	107.680	ug/l	98
64) Chlorobenzene	11.41	112	998001	105.633	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	391939	104.744	ug/l	98
66) Ethyl Benzene	11.49	91	1894767	112.505	ug/l	100
67) m/p-Xylenes	11.59	106	1405742	223.160	ug/l	98
68) o-Xylene	11.92	106	670879	111.385	ug/l	99
69) Styrene	11.94	104	1175626	112.288	ug/l	99
70) Isopropylbenzene	12.23	105	1802308	110.475	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	548044	105.894	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	535864m	112.264	ug/l	
73) Bromobenzene	12.50	156	446429	103.266	ug/l	96
74) n-propylbenzene	12.57	91	2101729	107.875	ug/l	98
75) 2-Chlorotoluene	12.65	91	1276708	109.534	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	1528681	110.238	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	210270	124.792	ug/l	97
78) 4-Chlorotoluene	12.75	91	1360435	112.480	ug/l	100
79) tert-butylbenzene	12.97	119	1214226	104.781	ug/l	97
80) 1,2,4-Trimethylbenzene	13.02	105	1542071	113.123	ug/l	99
81) sec-Butylbenzene	13.15	105	1620869	102.311	ug/l	99
82) p-Isopropyltoluene	13.26	119	1483995	105.482	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	796858	104.962	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	794480	106.593	ug/l	99
85) n-Butylbenzene	13.59	91	1309769	109.763	ug/l	97
86) Hexachloroethane	13.85	117	248344	92.245	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	779863	106.592	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	133386	145.819	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	417089	112.940	ug/l	98
90) Hexachlorobutadiene	14.98	225	204501	80.167	ug/l	95
91) Naphthalene	15.10	128	1305152	146.414	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	406659	110.879	ug/l	97

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ClientSampleId :
VSTDICC100

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QLast Update : Tue Oct 06 12:20:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

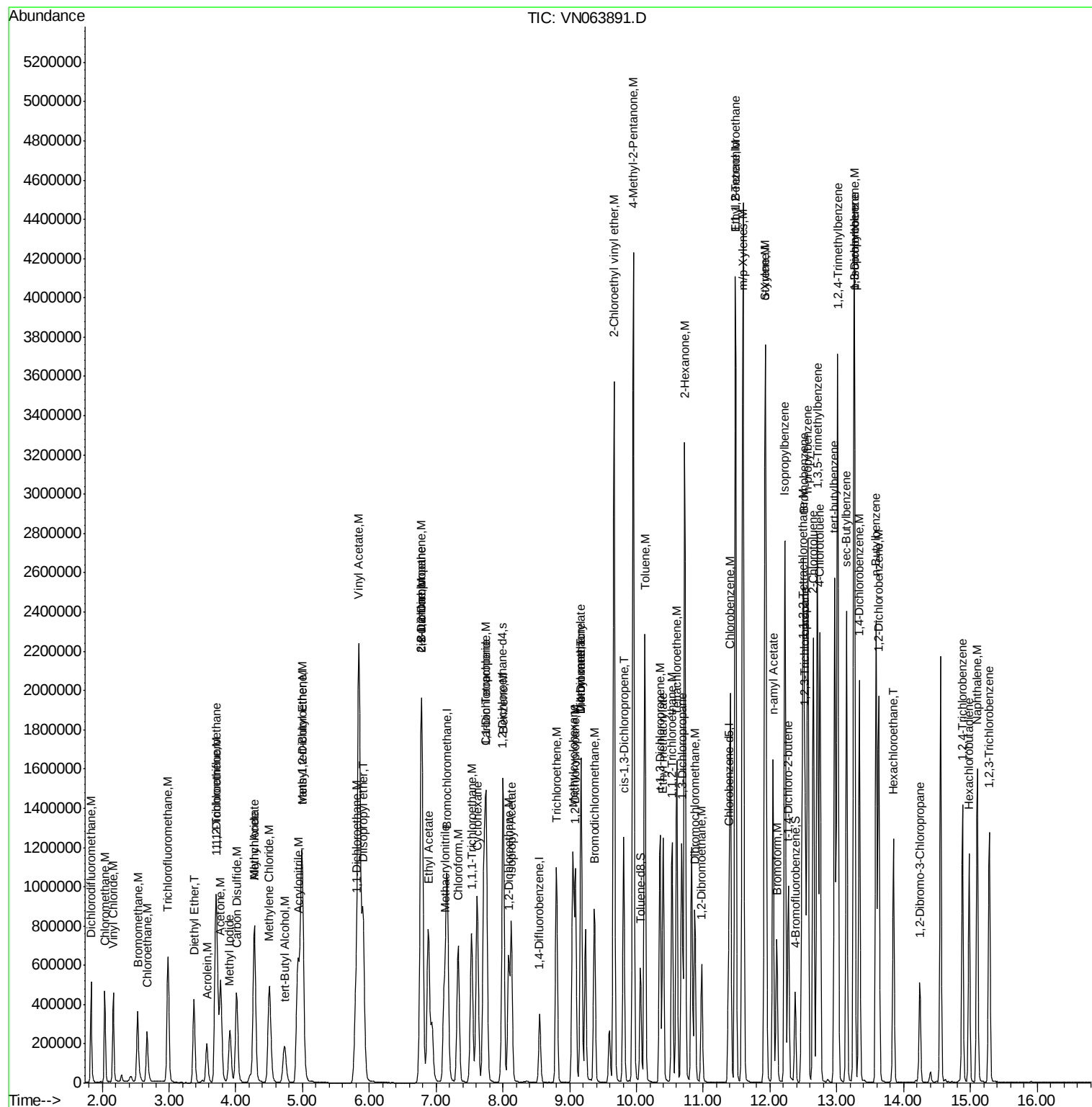
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Acq On : 6 Oct 2020 11:39
Operator : JC/MD
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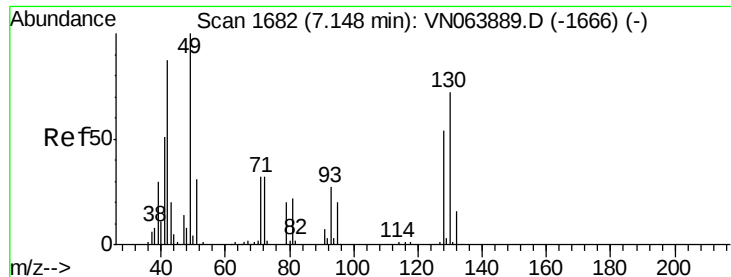
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

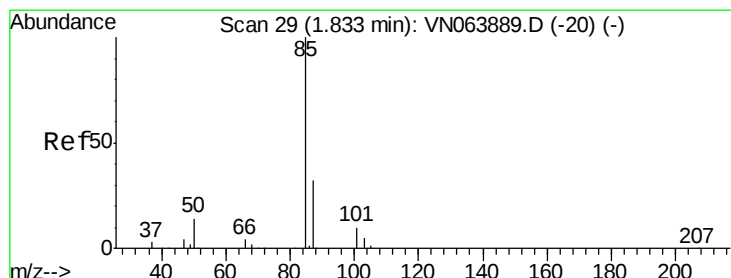
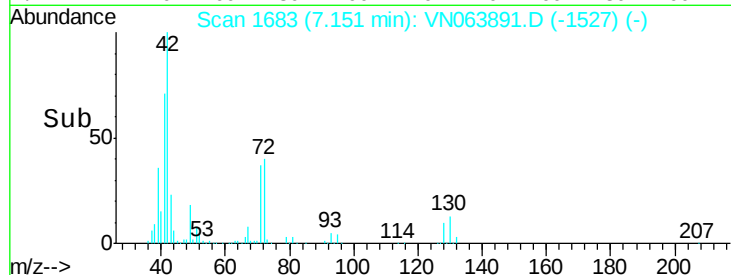
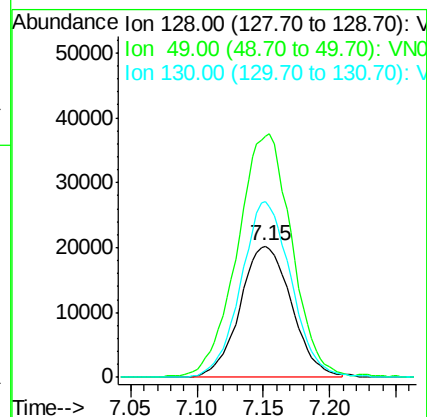
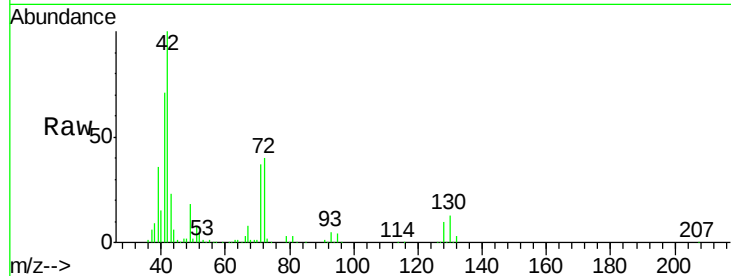
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	54745
Ion	Ratio	Lower	Upper
128	100		
49	196.2	0.0	461.8
130	130.5	0.0	331.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 97.954 ug/l

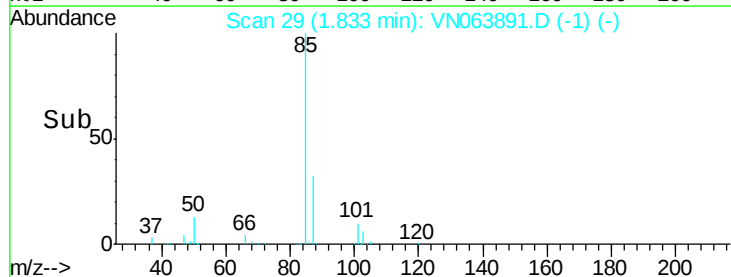
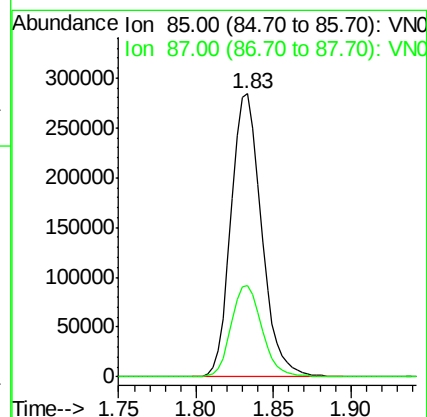
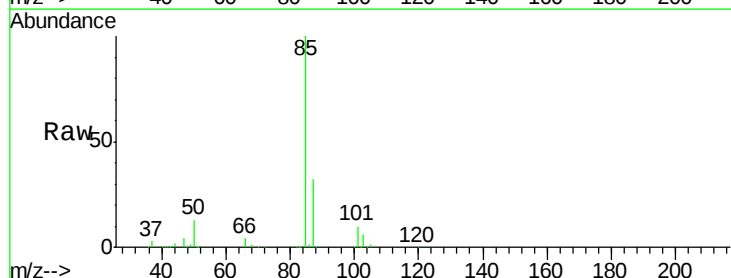
RT: 1.83 min Scan# 29

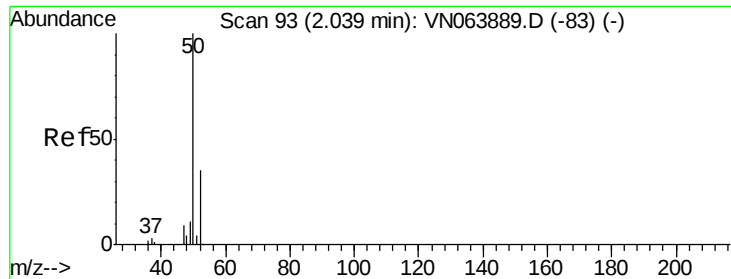
Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Tgt Ion:	85	Resp:	389092
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.2





#3

Chloromethane

Concen: 92.913 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 399728

Ion Ratio Lower Upper

50 100

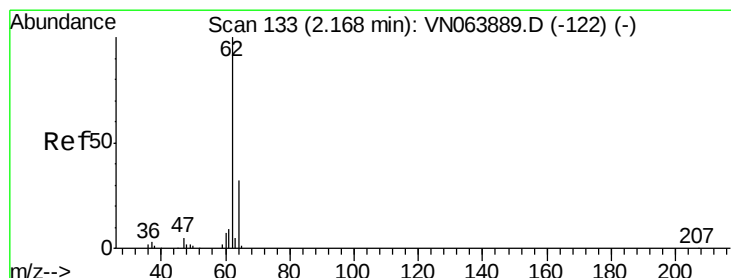
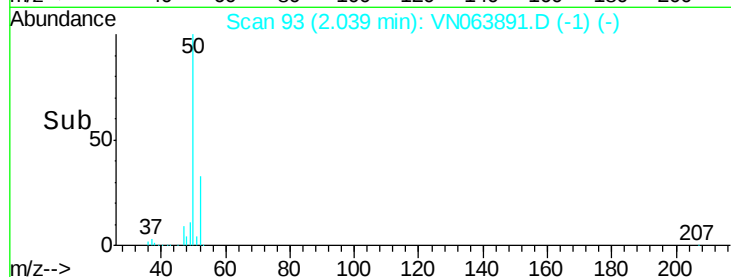
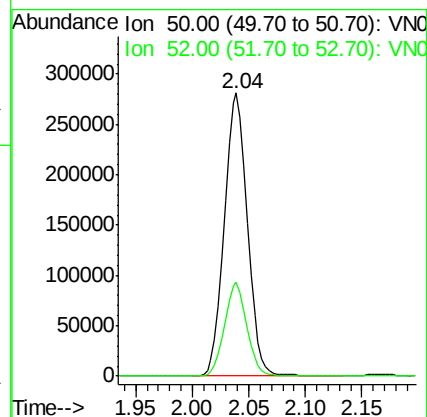
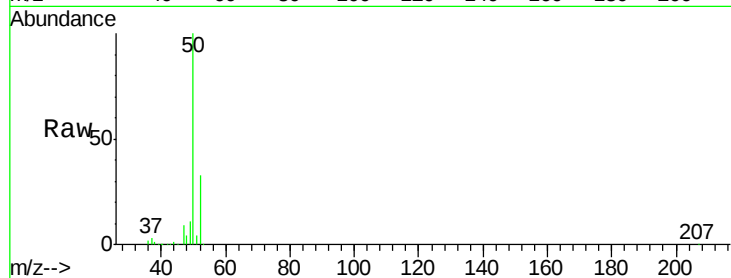
52 33.0 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 91.292 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063891.D

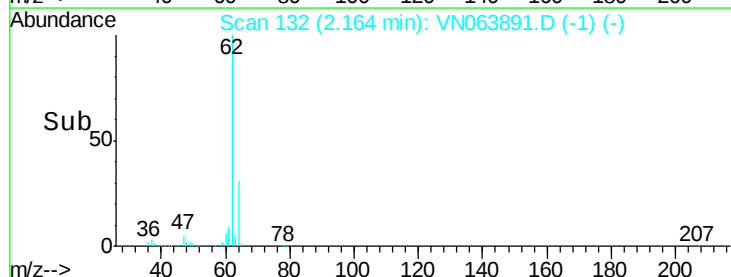
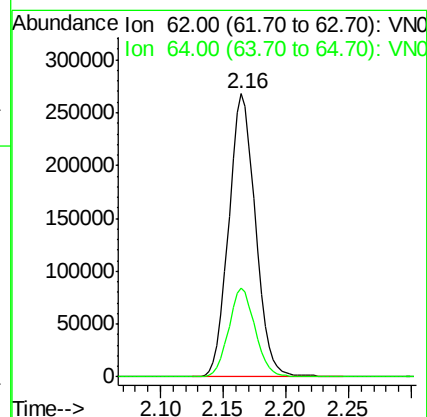
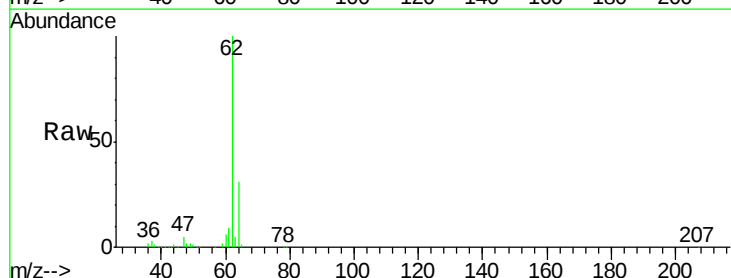
Acq: 6 Oct 2020 11:39

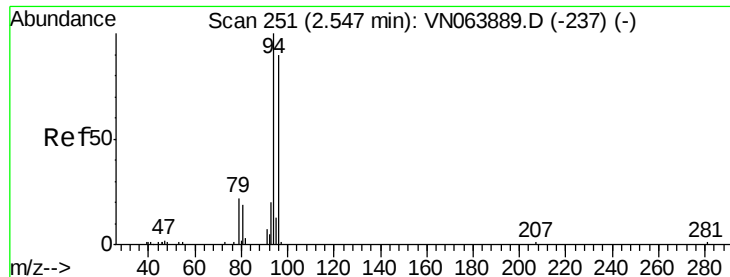
Tgt Ion: 62 Resp: 395712

Ion Ratio Lower Upper

62 100

64 31.3 26.0 39.0





#5

Bromomethane

Concen: 93.657 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.02 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 251670

Ion Ratio Lower Upper

94 100

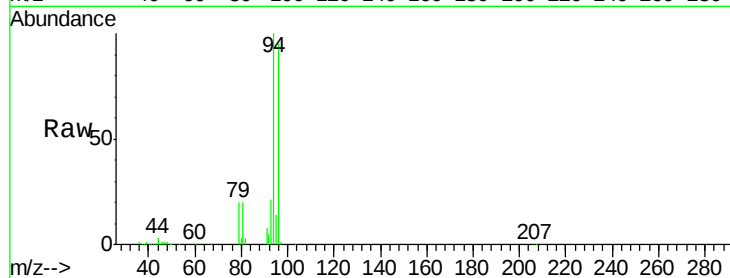
96 95.3 71.9 107.9

Manual Integrations

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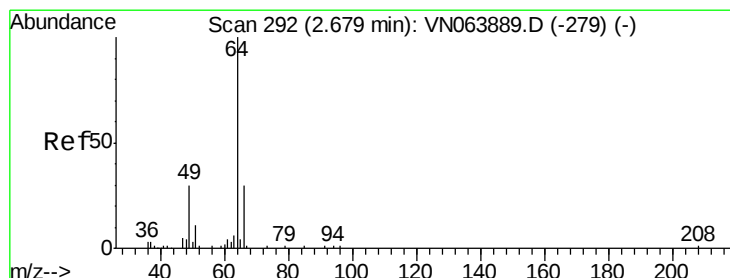
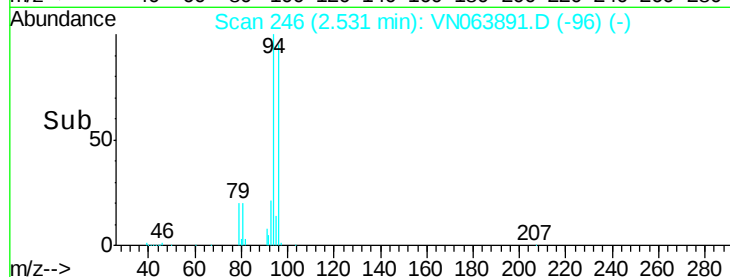
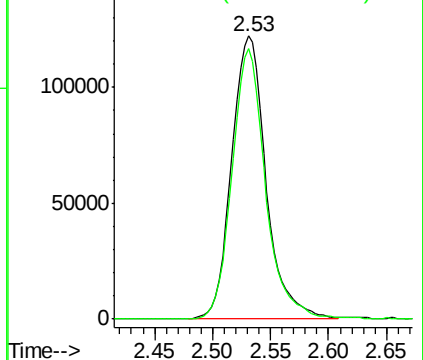
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 93.770 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VN063891.D

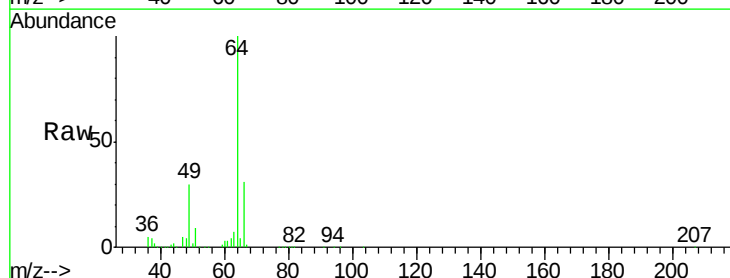
Acq: 6 Oct 2020 11:39

Tgt Ion: 64 Resp: 242667

Ion Ratio Lower Upper

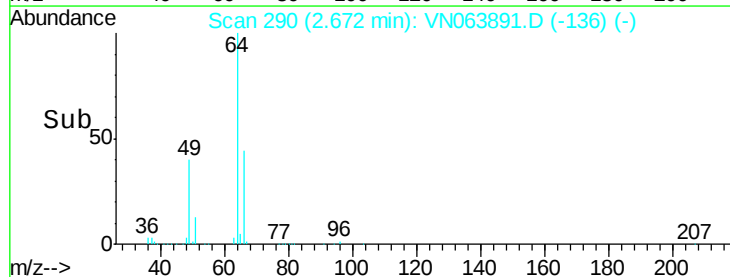
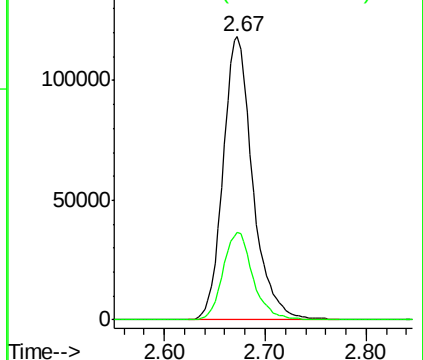
64 100

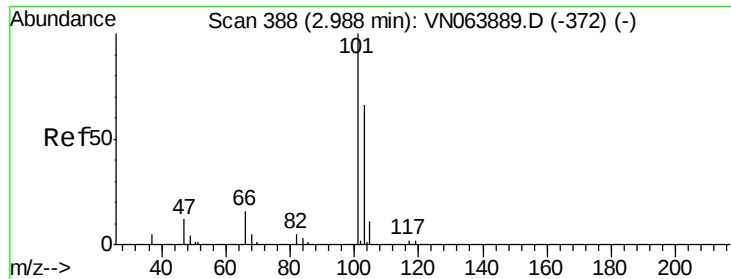
66 31.0 24.2 36.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

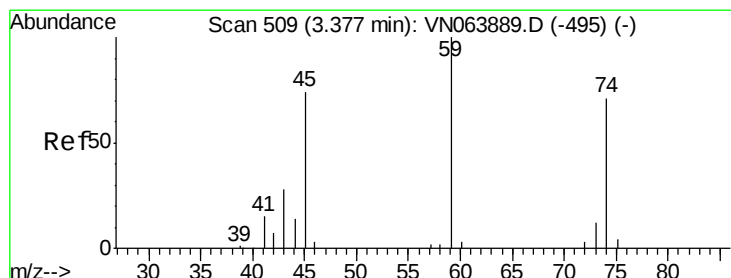
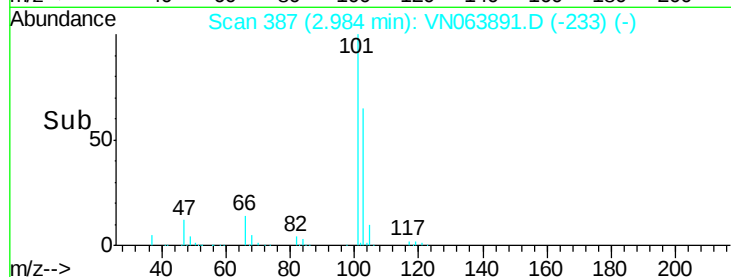
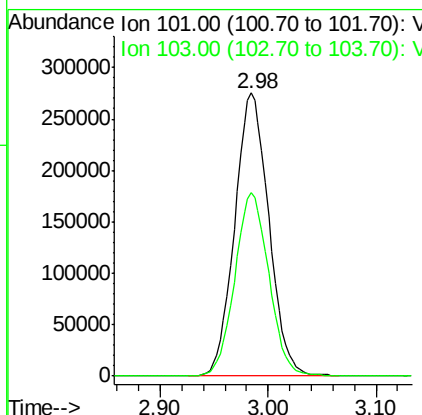
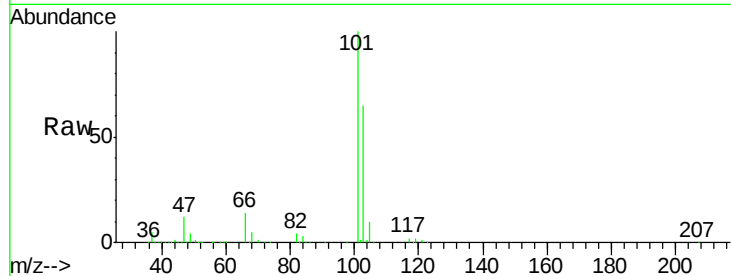
Trichlorofluoromethane
Concen: 109.728 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.6	78.8

Manual Integrations
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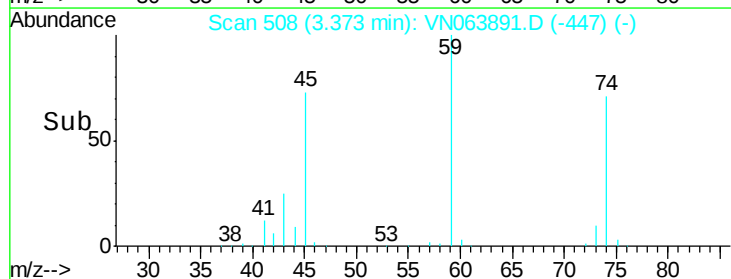
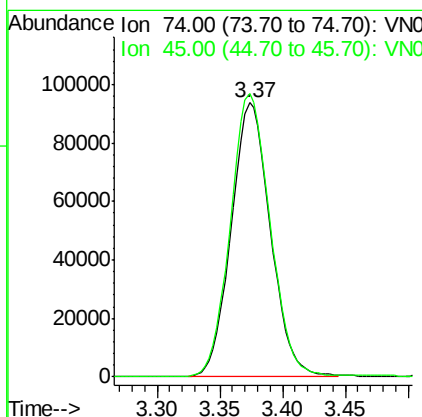
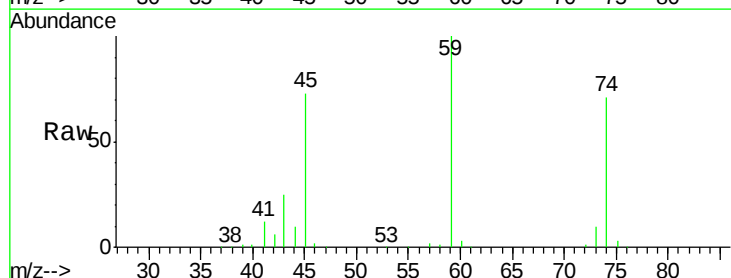
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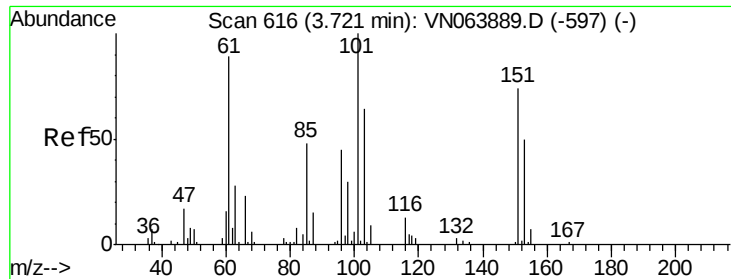


#8

Diethyl Ether
Concen: 111.303 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.1	21.4	192.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.892 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

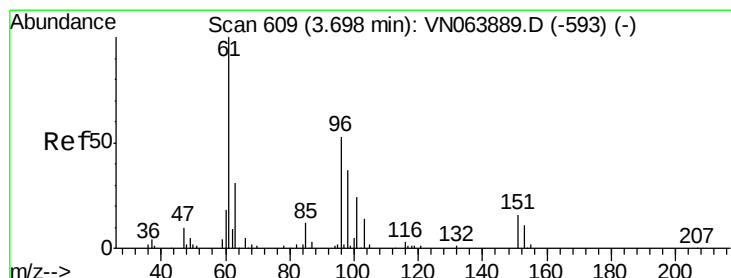
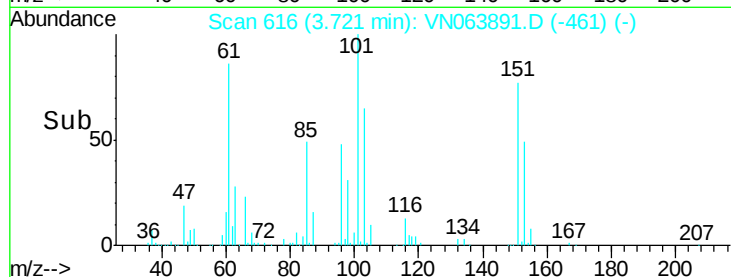
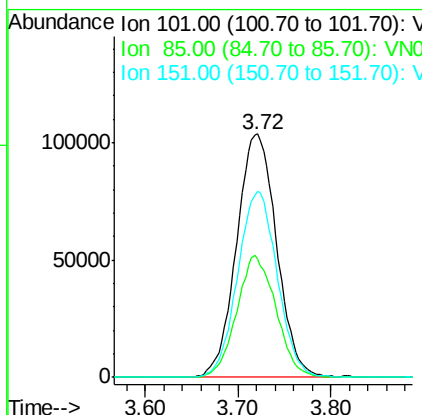
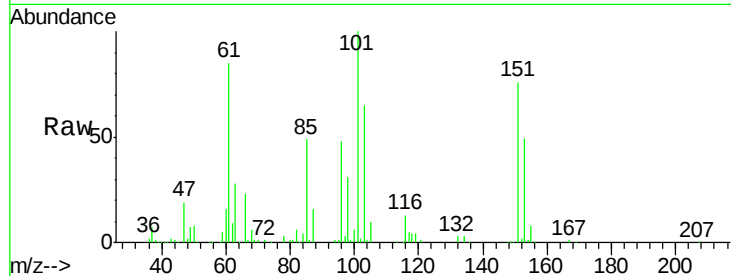
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	311102
Ion Ratio	Lower	Upper	
101	100		
85	49.1	0.0	94.6
151	75.6	0.0	147.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 111.876 ug/l

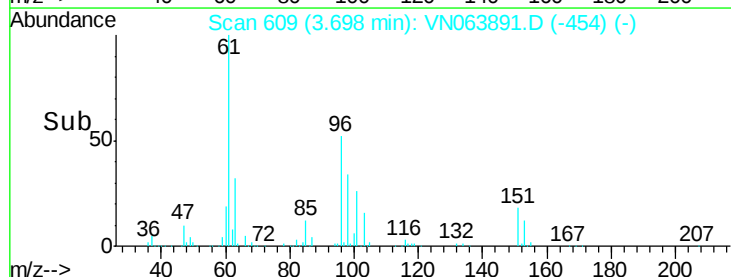
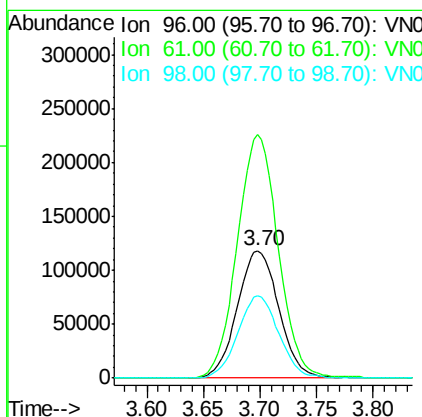
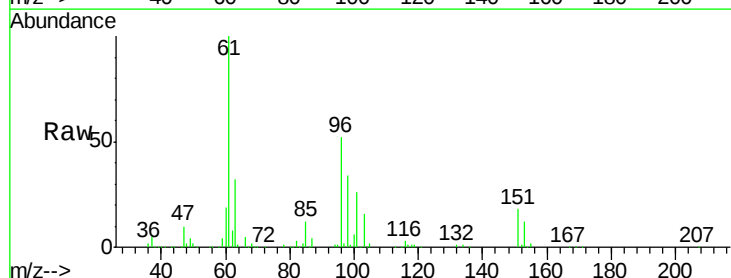
RT: 3.70 min Scan# 609

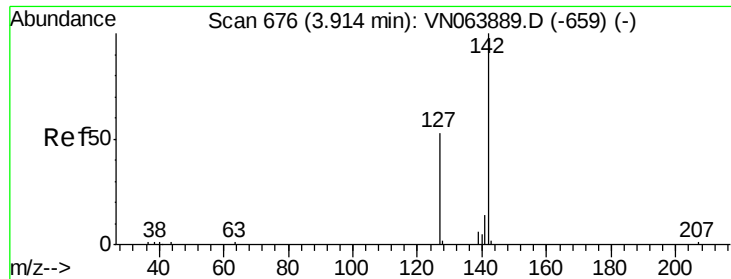
Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Tgt Ion:	96	Resp:	302239
Ion Ratio	Lower	Upper	
96	100		
61	190.3	150.4	225.6
98	64.4	55.8	83.8





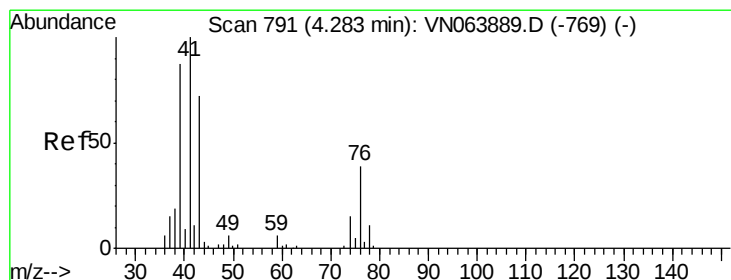
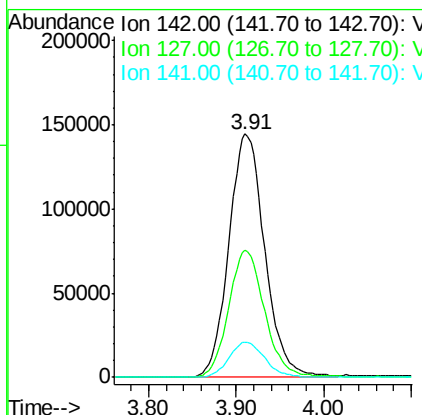
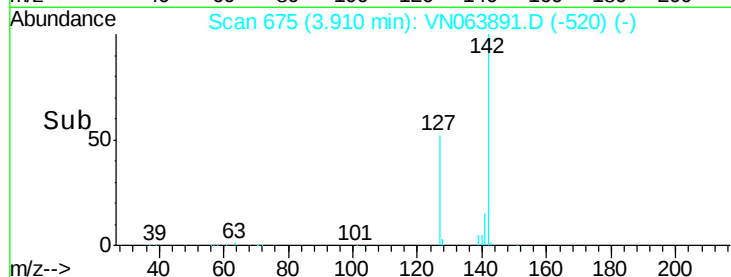
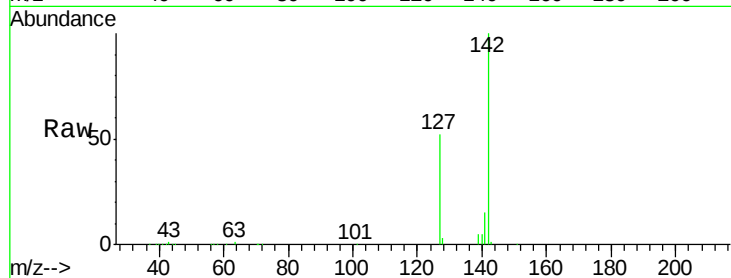
#11
Methvl Iodide
Concen: 112.265 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.1	26.5	79.4
141	14.5	7.1	21.4

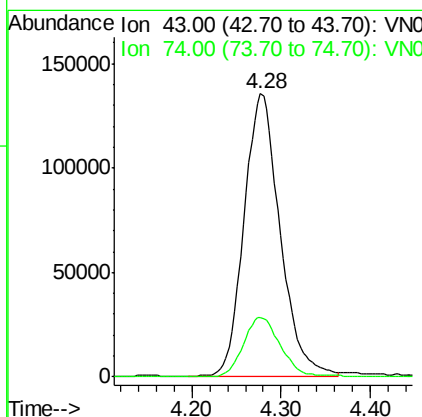
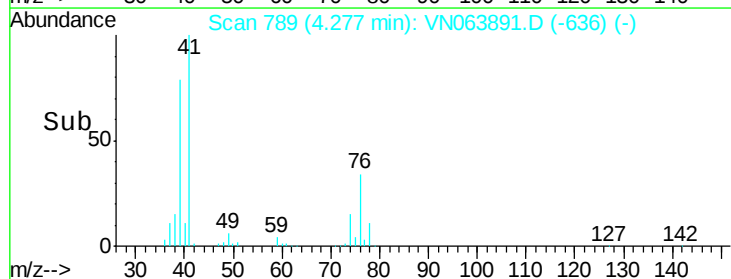
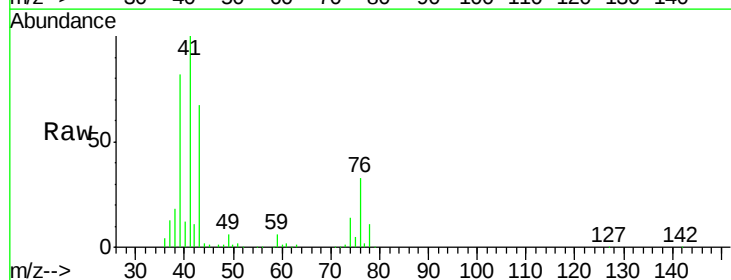
Manual Integrations
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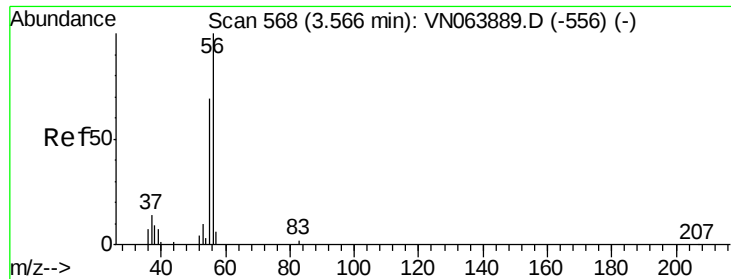
MMDadoda
10/7/2020 12:11:35 PM



#12
Methyl Acetate
Concen: 107.903 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.7	25.1





#13

Acrolein

Concen: 613.701 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 214458

Ion Ratio Lower Upper

56 100

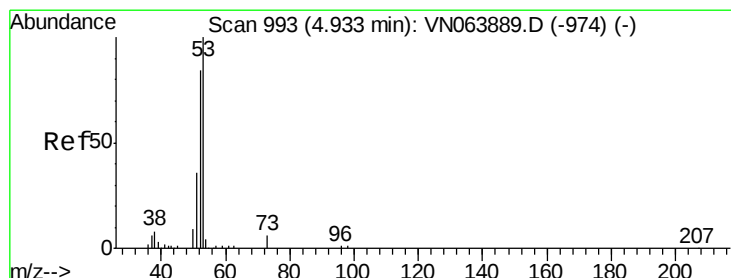
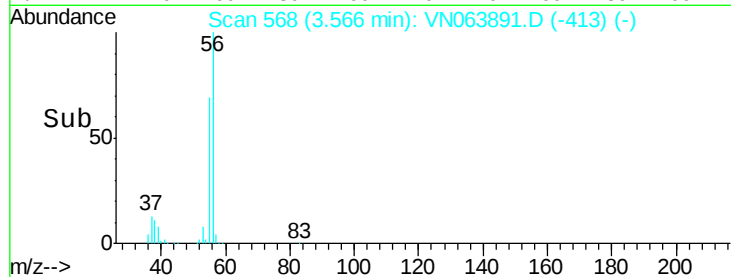
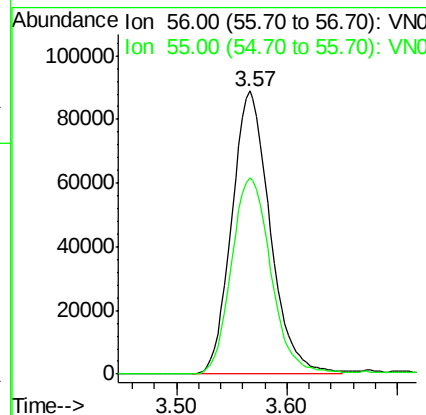
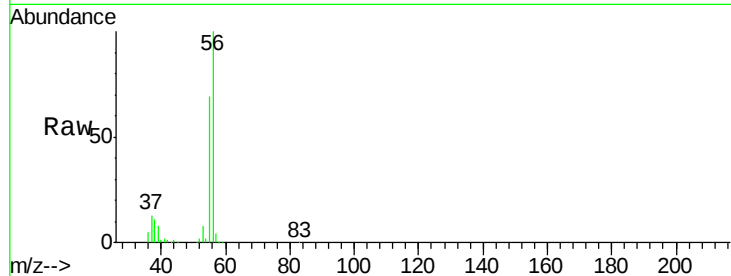
55 71.4 58.6 87.8

Manual Integrations

APPROVED

MMDadoda

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#14

Acrylonitrile

Concen: 527.563 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

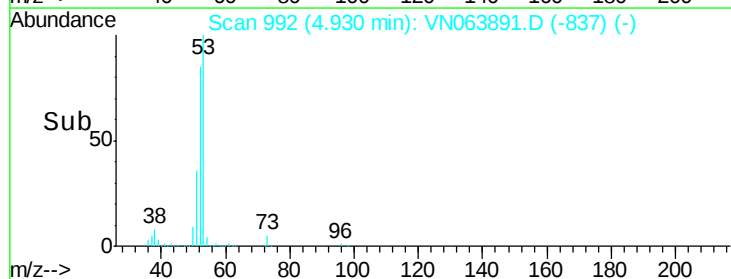
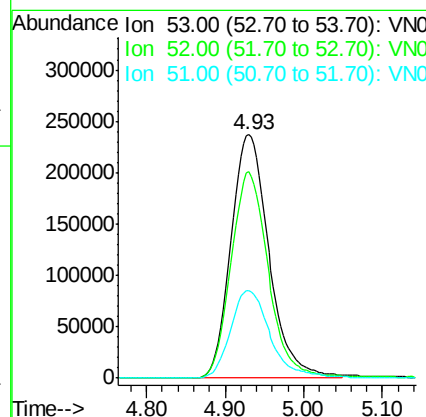
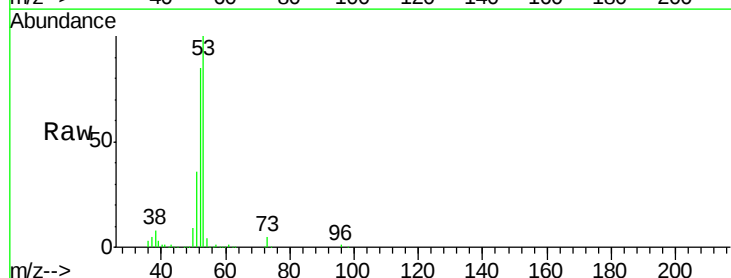
Tgt Ion: 53 Resp: 799260

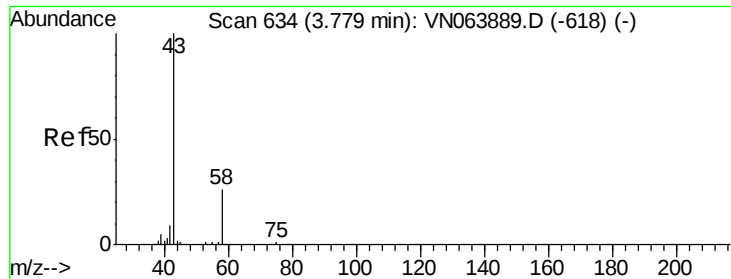
Ion Ratio Lower Upper

53 100

52 82.6 43.2 129.6

51 37.5 19.4 58.4





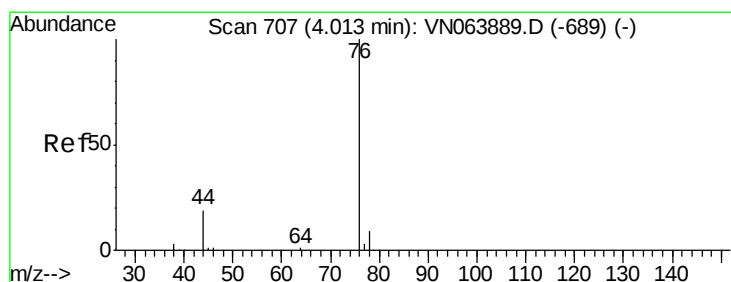
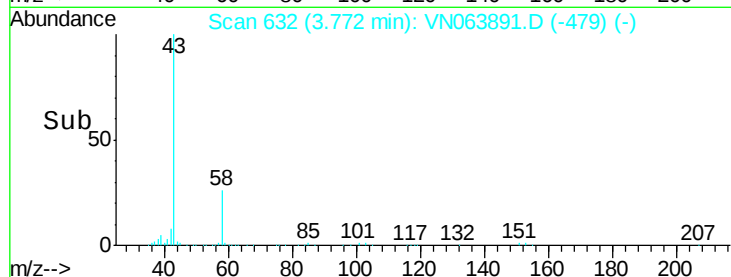
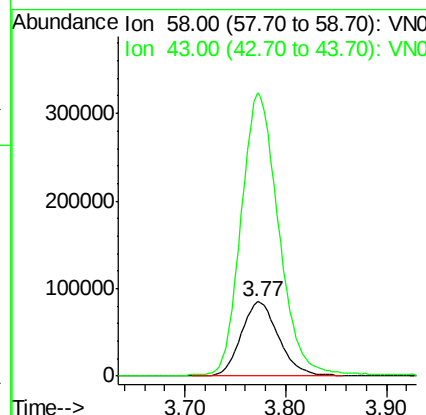
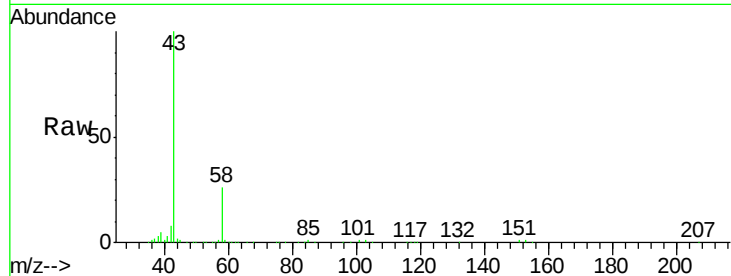
#15
Acetone
Concen: 497.819 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.01 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 58 Resp: 219773
Ion Ratio Lower Upper
58 100
43 380.2 302.4 453.6

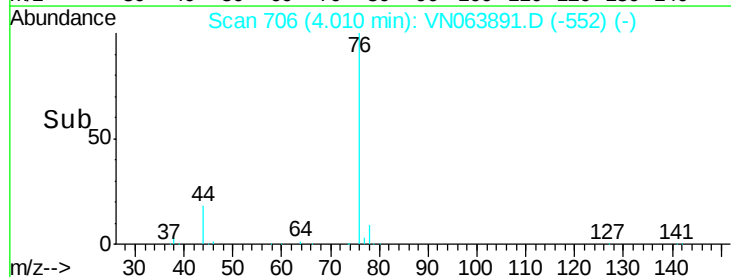
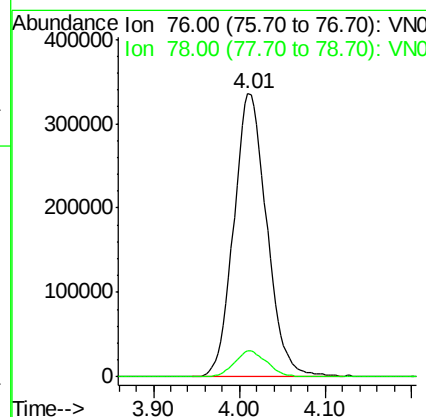
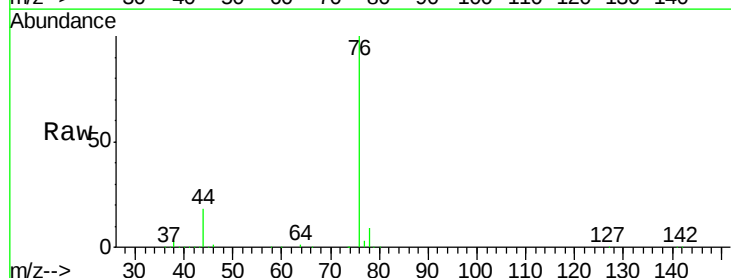
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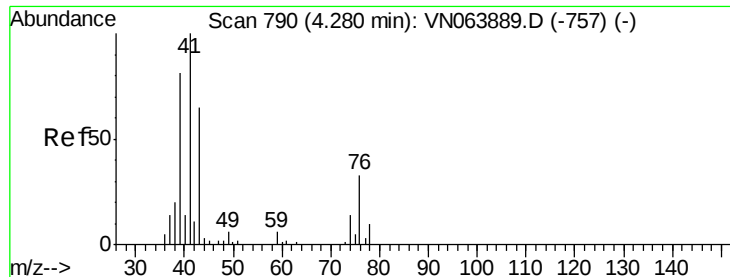
MMDadoda
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#16
Carbon Disulfide
Concen: 120.896 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion: 76 Resp: 896058
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





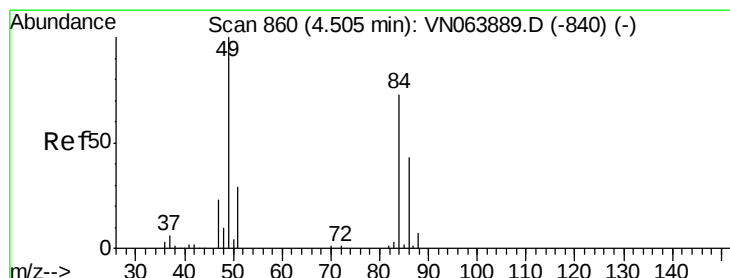
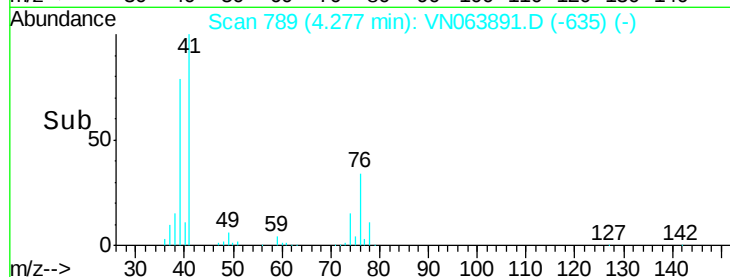
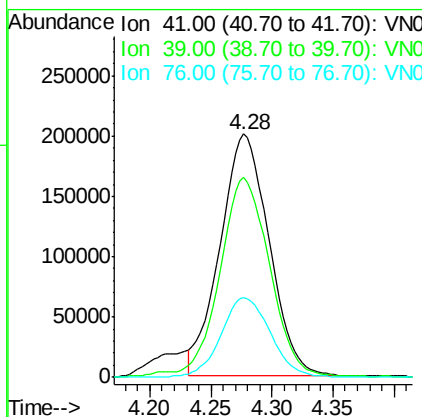
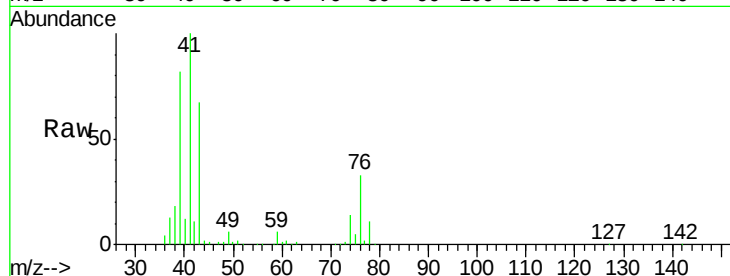
#17
Allvl chloride
Concen: 109.809 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.2	40.7	122.1
76	32.6	17.0	50.9

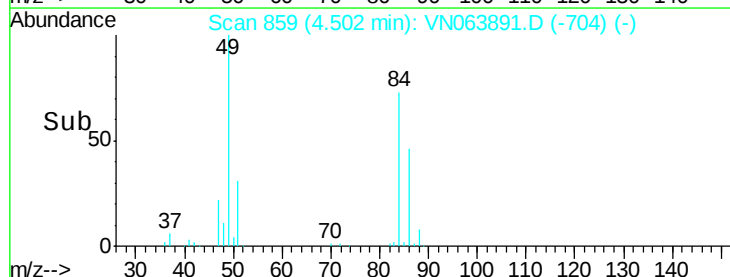
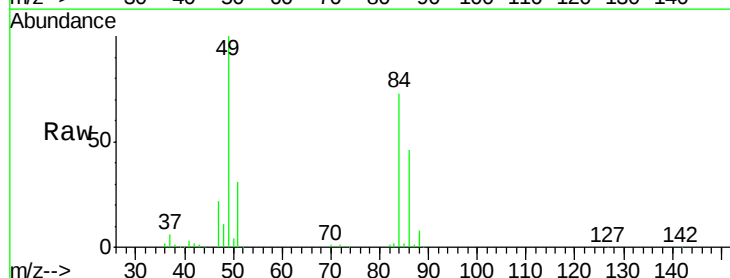
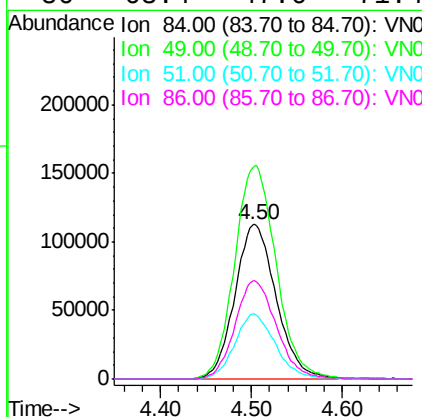
Manual Integrations
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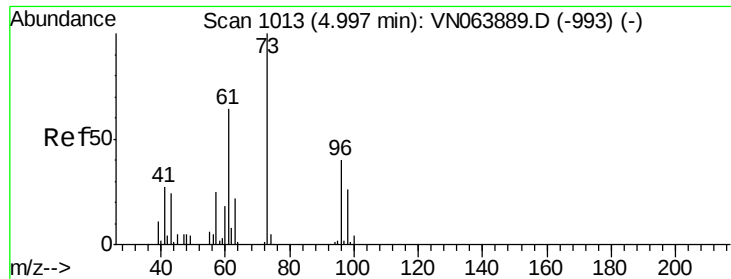
MMDadoda
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#18
Methylene Chloride
Concen: 97.292 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.2	109.7	164.5
51	41.9	31.4	47.2
86	63.4	47.6	71.4





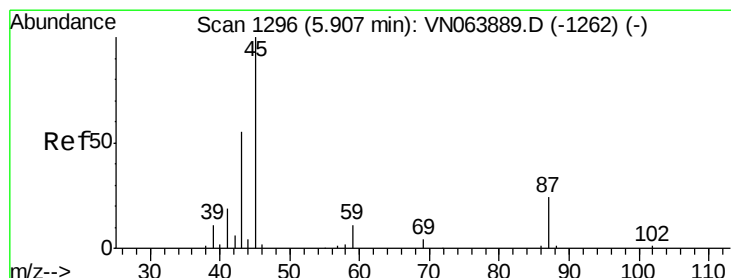
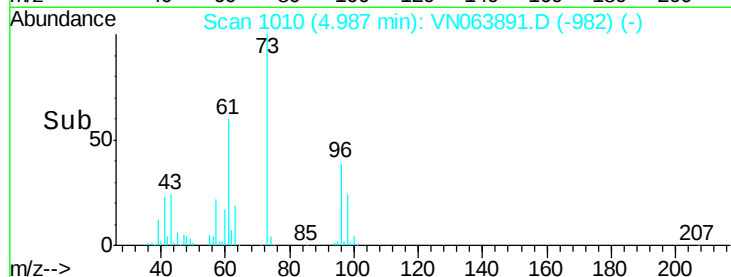
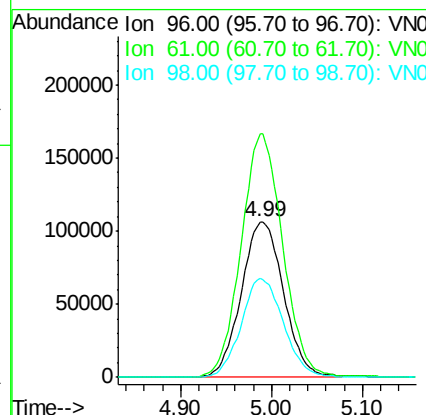
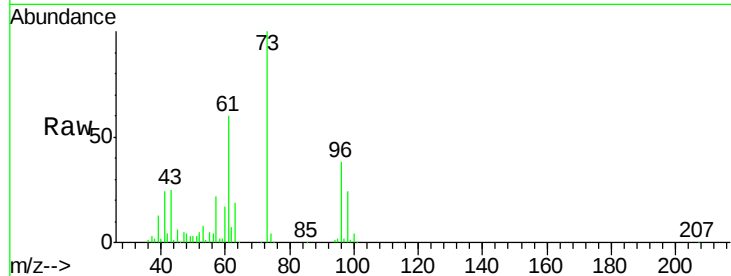
#19
trans-1,2-Dichloroethene
Concen: 115.887 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	127.9	191.9
98	63.4	52.5	78.7

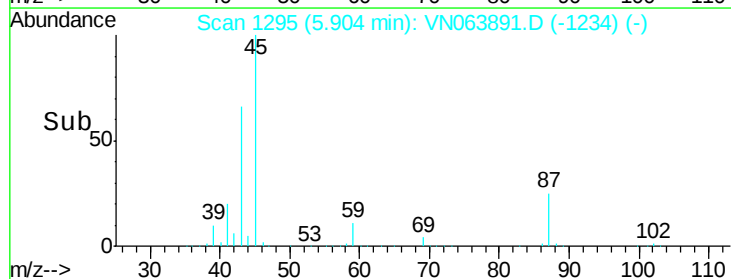
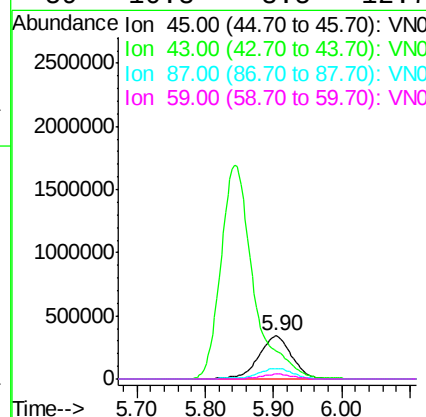
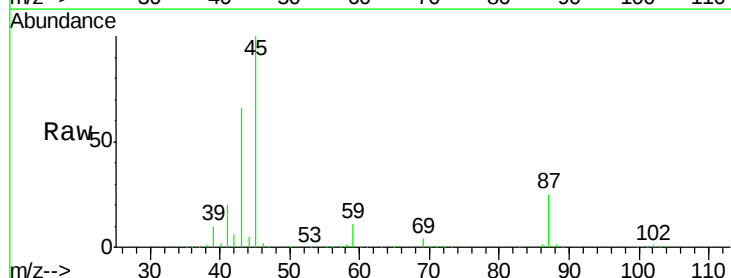
Manual Integrations
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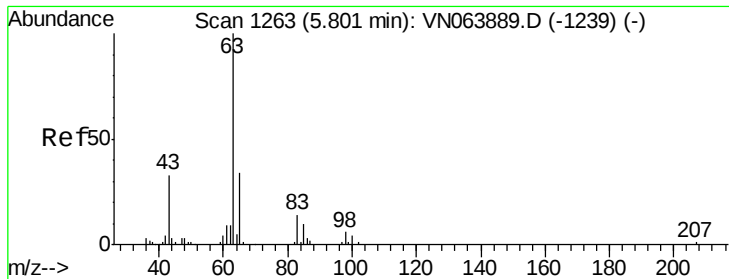
MMDadoda
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#20
Diisopropyl ether
Concen: 103.109 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	51.3	76.9
87	25.1	19.5	29.3
59	10.8	8.5	12.7





#21

1,1-Dichloroethane

Concen: 106.891 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

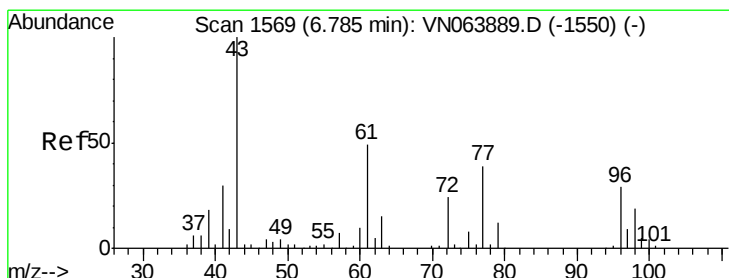
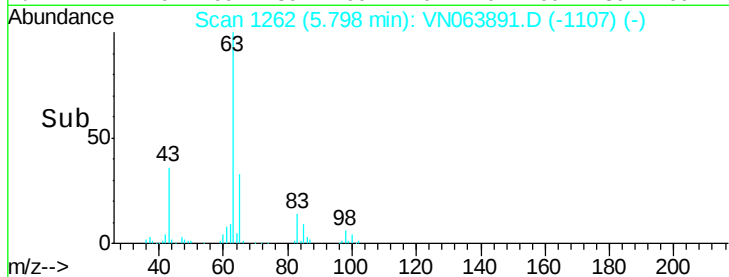
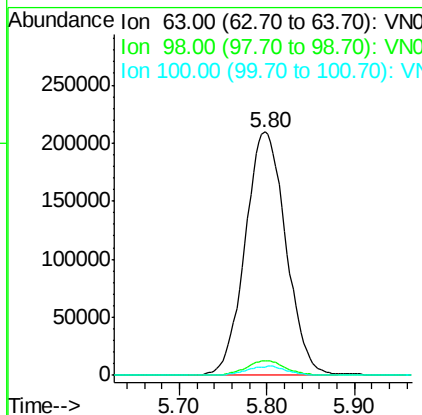
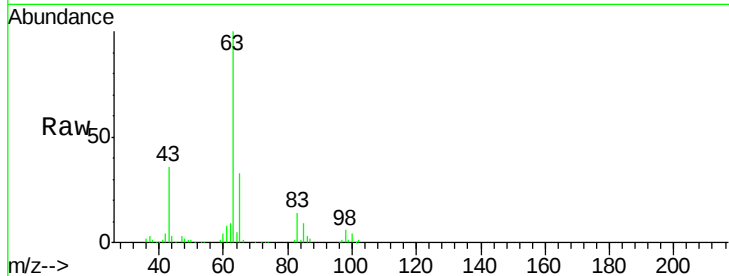
ClientSampled :

VSTDIC100

Tot Ion:	63	Resp:	676654
Ion Ratio		Lower	Upper
63	100		
98	6.0	3.3	9.8
100	3.5	2.0	5.8

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 108.783 ug/l

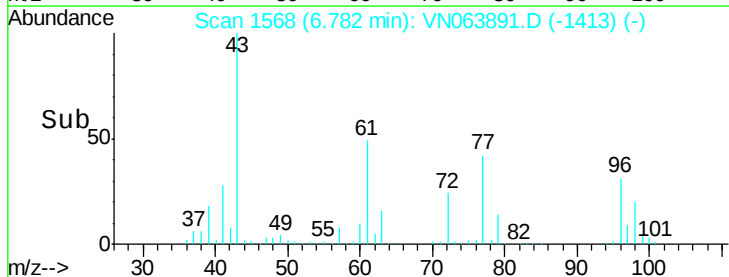
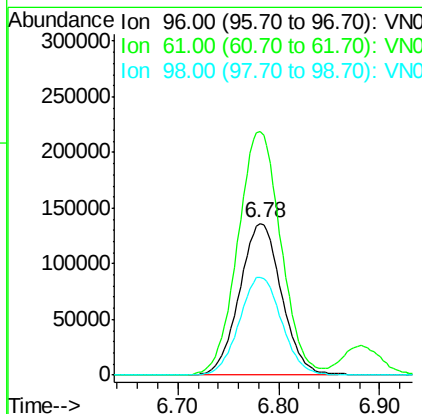
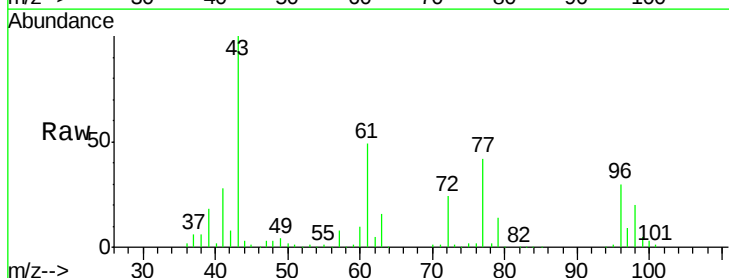
RT: 6.78 min Scan# 1568

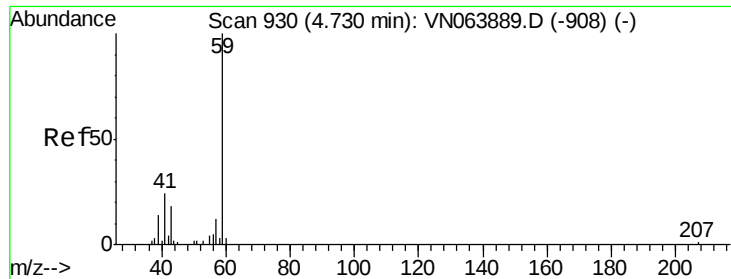
Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Tgt Ion:	96	Resp:	393602
Ion Ratio		Lower	Upper
96	100		
61	164.3	139.6	209.4
98	65.2	53.4	80.0





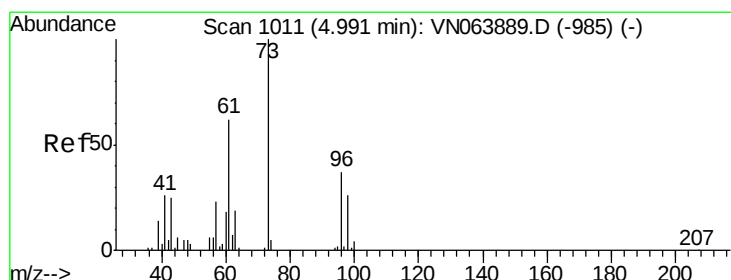
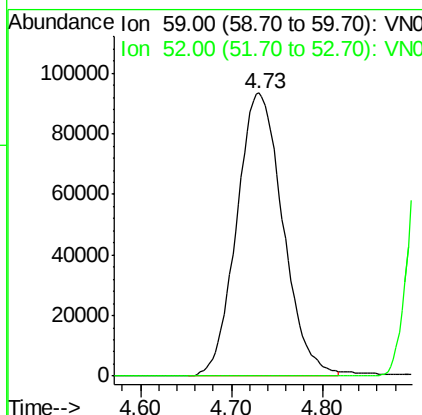
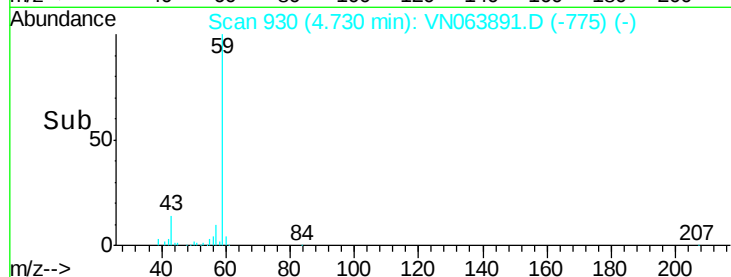
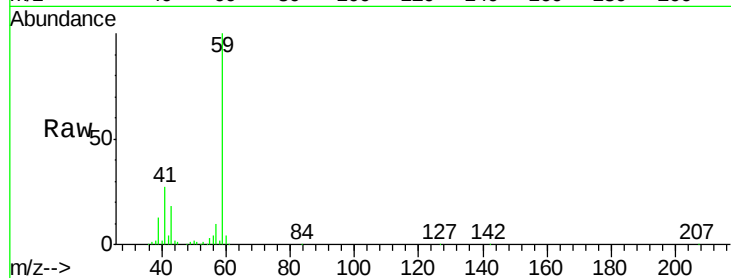
#23
 tert-Butyl Alcohol
 Concen: 622.891 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 59 Resp: 329719
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

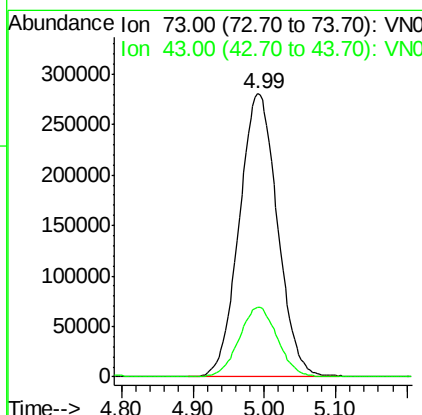
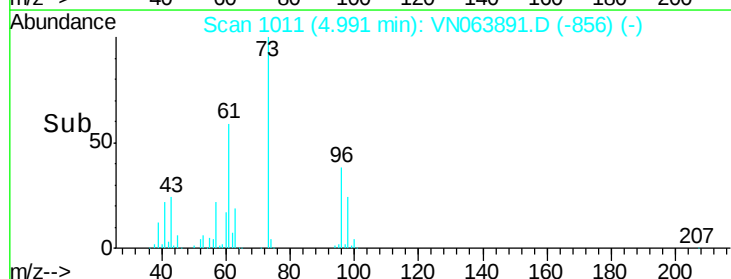
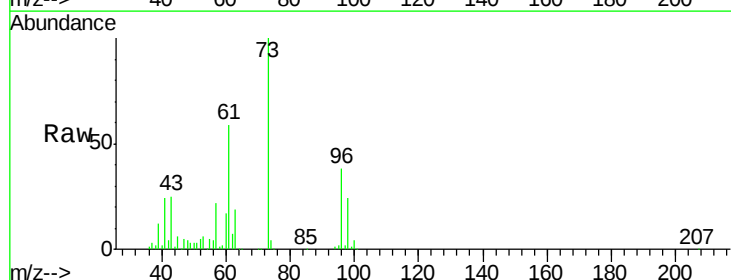
Manual Integrations
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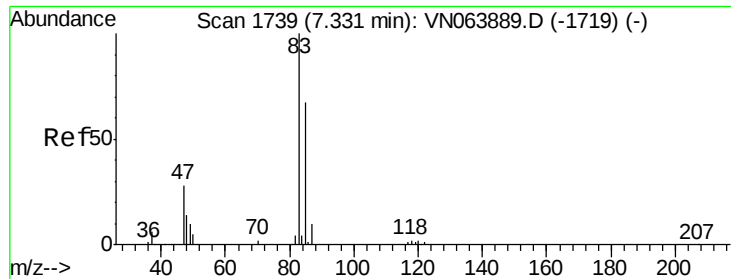
MMDadoda
 10/7/2020 12:11:35 PM



#24
 Methyl tert-Butyl Ether
 Concen: 107.313 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion: 73 Resp: 1046303
 Ion Ratio Lower Upper
 73 100
 43 24.4 6.4 9.6#





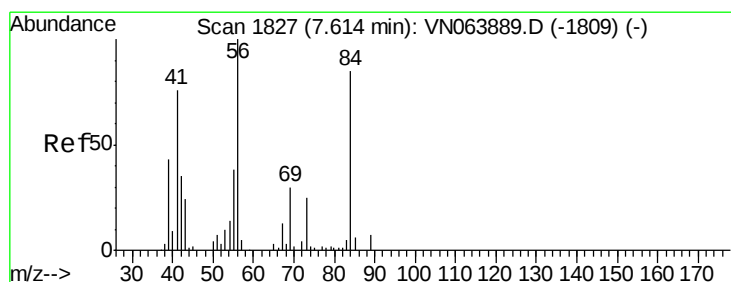
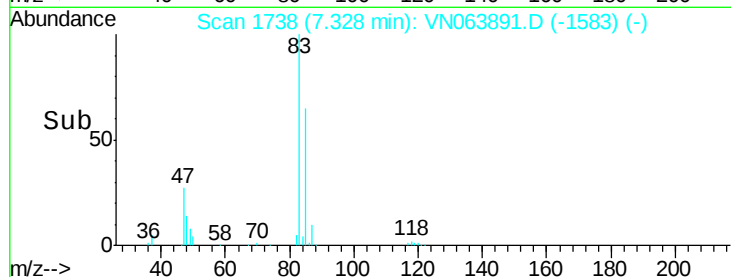
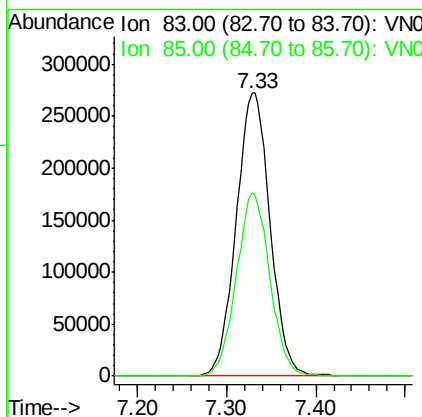
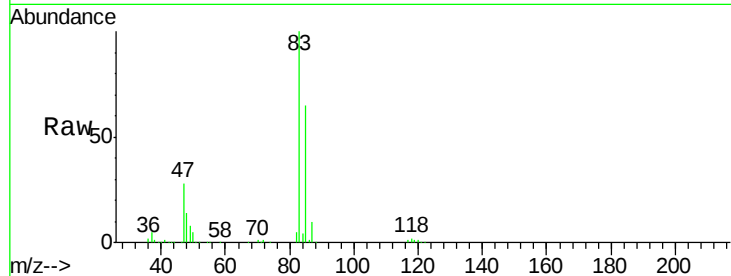
#25
Chloroform
Concen: 112.570 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.2	79.8

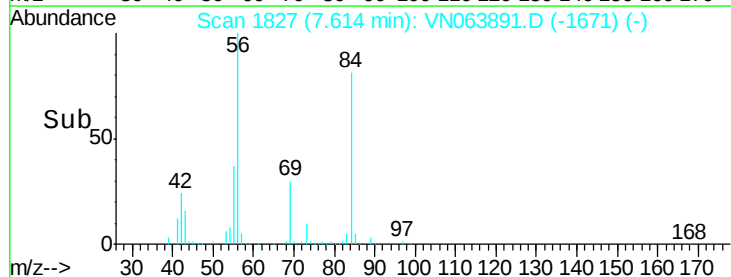
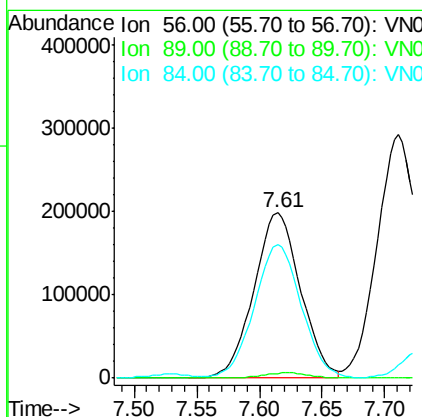
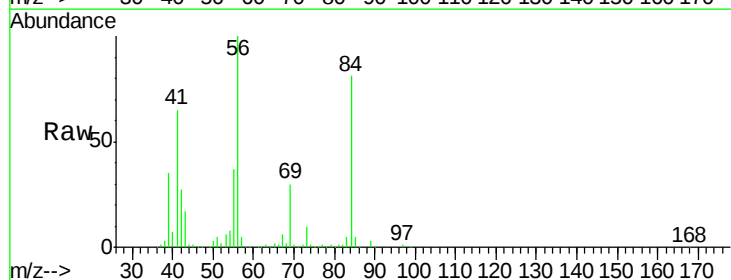
Manual Integrations
APPROVED

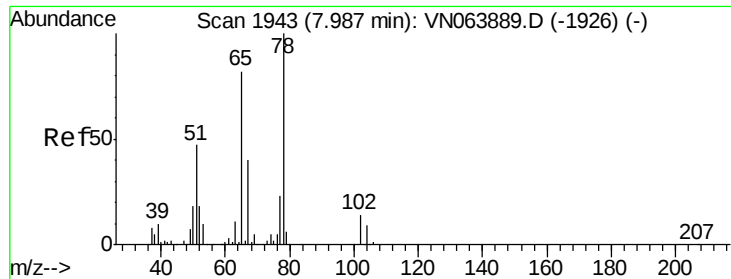
MMDadoda
10/7/2020 12:11:35 PM



#26
Cyclohexane
Concen: 98.954 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
56	100		
89	3.1	5.4	8.2#
84	81.3	68.2	102.2





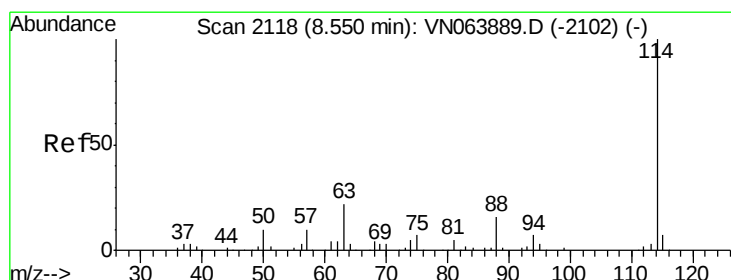
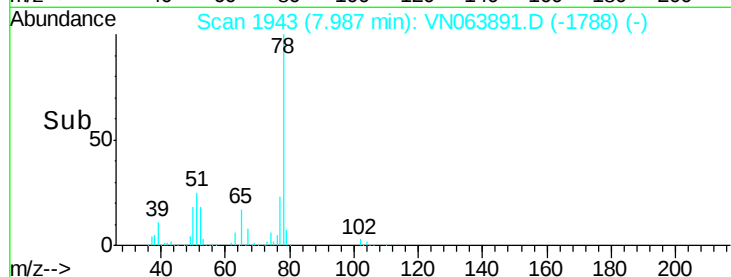
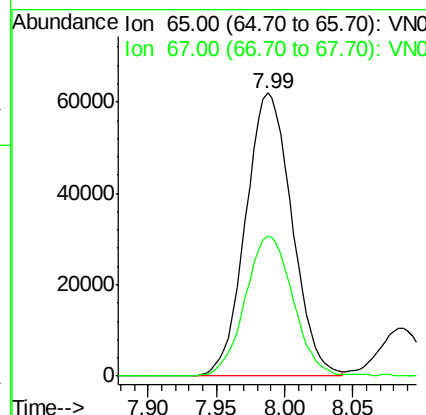
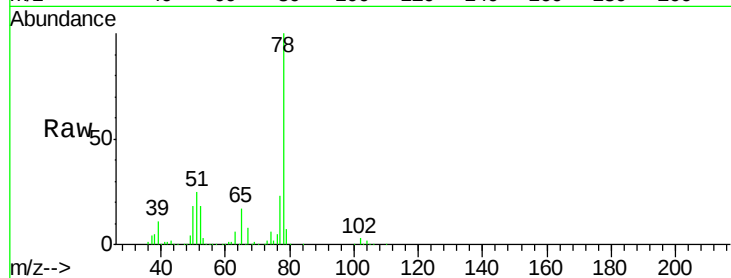
#27
 1,2-Dichloroethane-d4
 Concen: 35.892 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	40.0	60.0

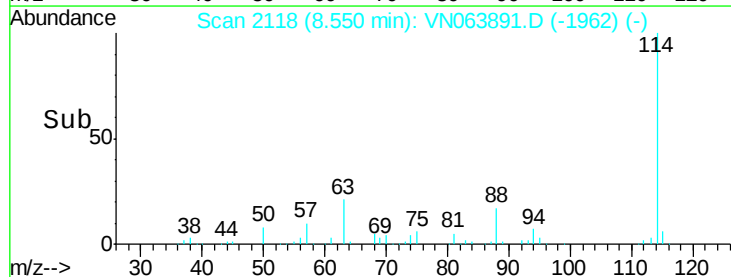
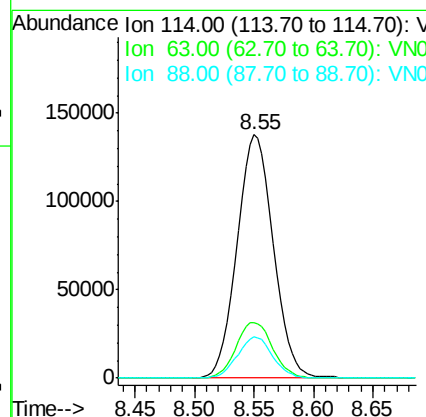
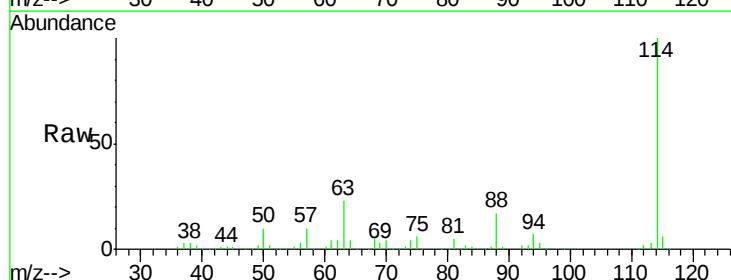
Manual Integrations
 APPROVED

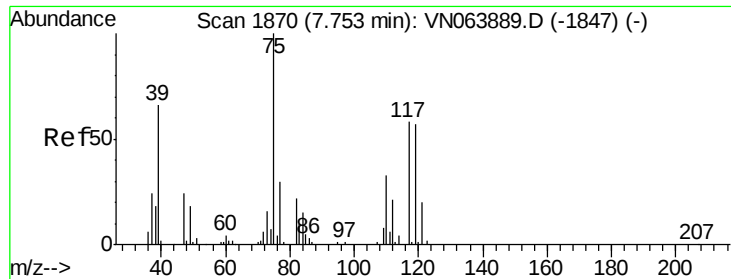
MMDadoda
 10/7/2020 12:11:35 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	18.6	28.0
88	16.4	12.9	19.3





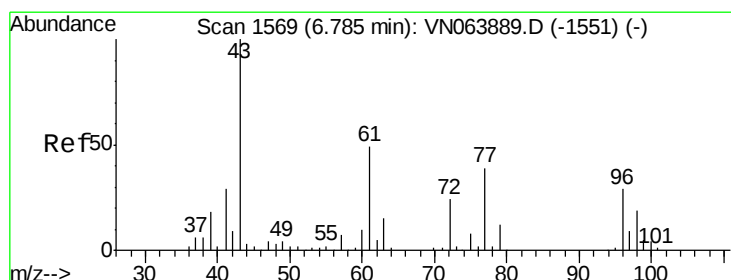
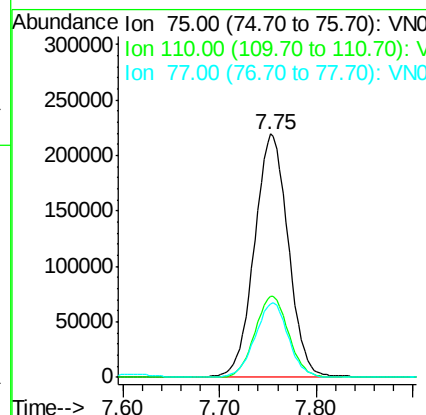
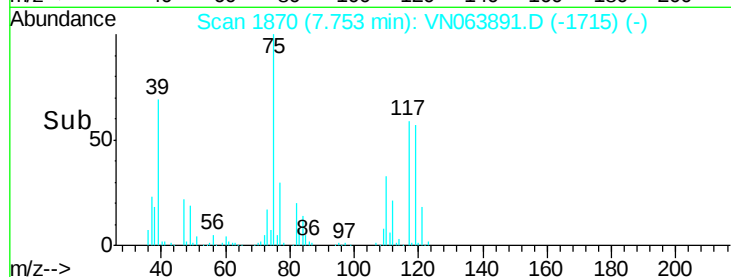
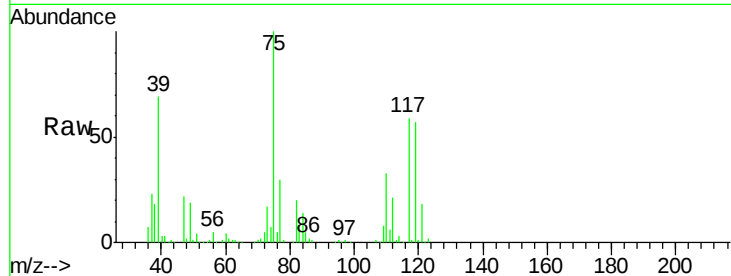
#29
 1,1-Dichloropropene
 Concen: 117.121 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.2	0.0	66.6
77	30.2	0.0	61.4

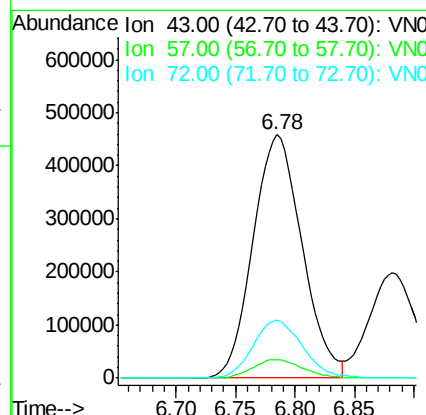
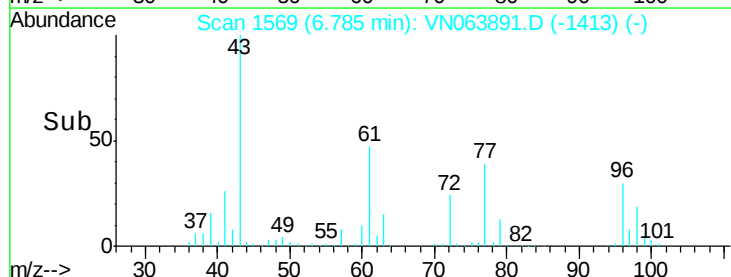
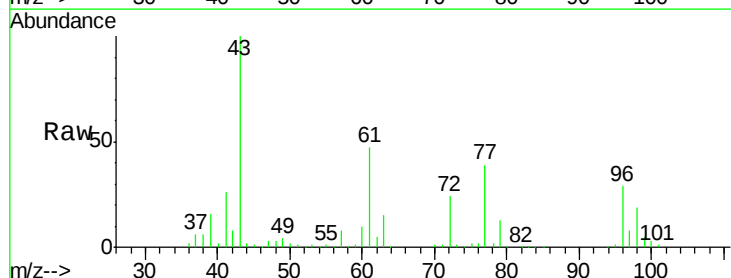
Manual Integrations
 APPROVED

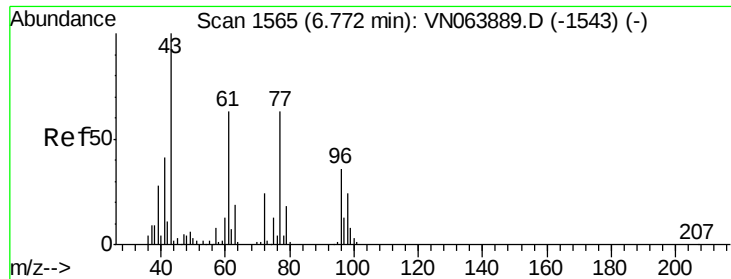
MMDadoda
 10/7/2020 12:11:35 PM



#30
 2-Butanone
 Concen: 613.309 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.2	9.2
72	24.1	19.4	29.2





#31

2,2-Dichloropropane

Concen: 111.139 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 77 Resp: 613341

Ion Ratio Lower Upper

77 100

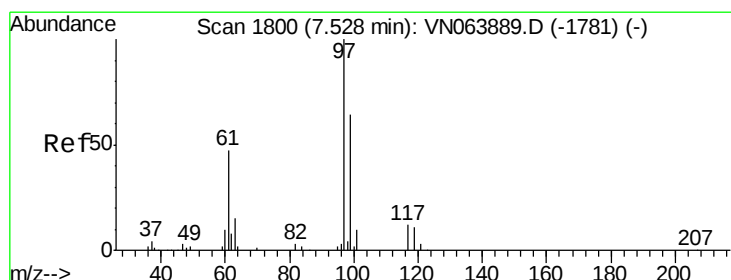
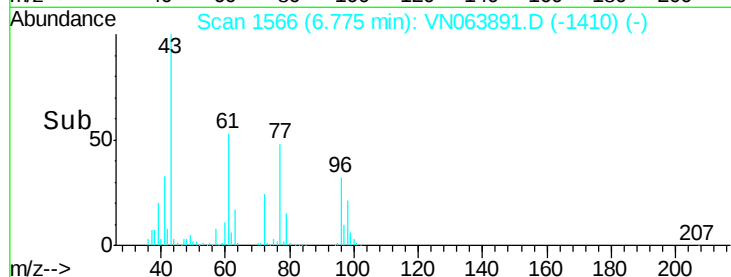
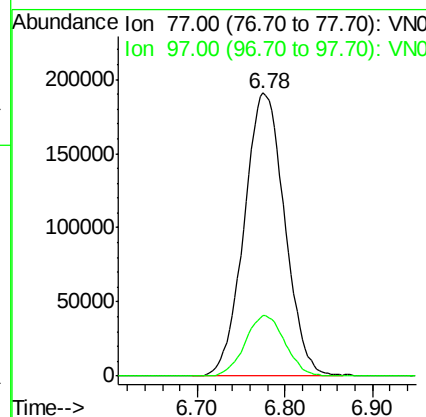
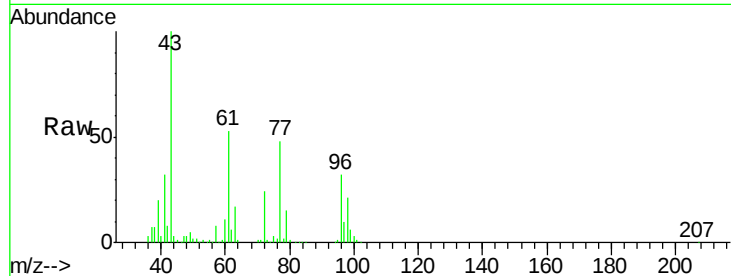
97 21.1 10.2 15.2#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 118.120 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

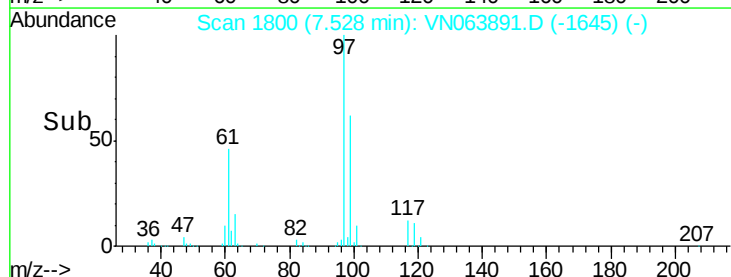
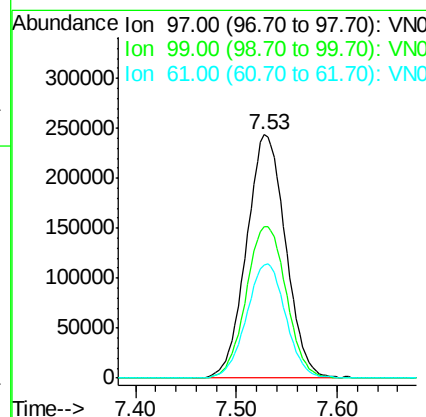
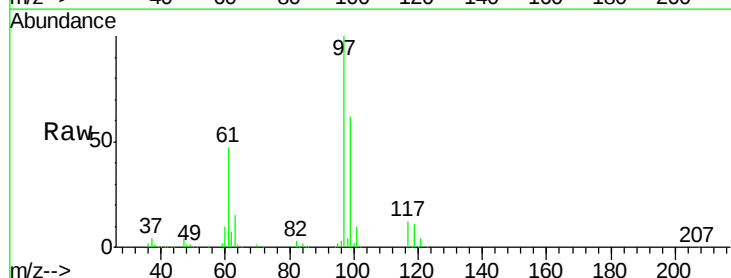
Tgt Ion: 97 Resp: 655534

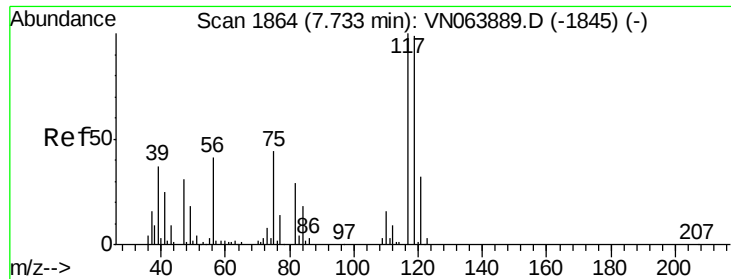
Ion Ratio Lower Upper

97 100

99 63.8 49.7 74.5

61 47.1 38.6 57.8





#33

Carbon Tetrachloride

Concen: 123.009 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

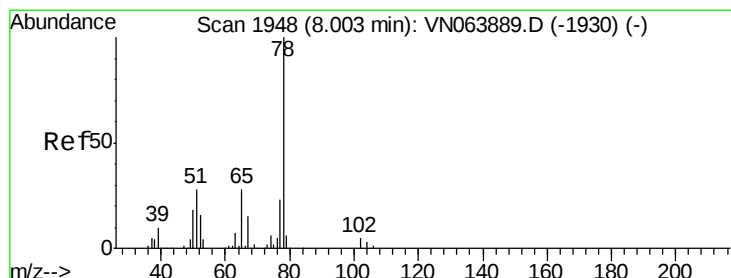
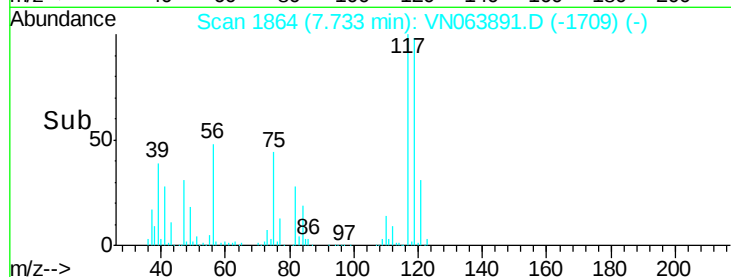
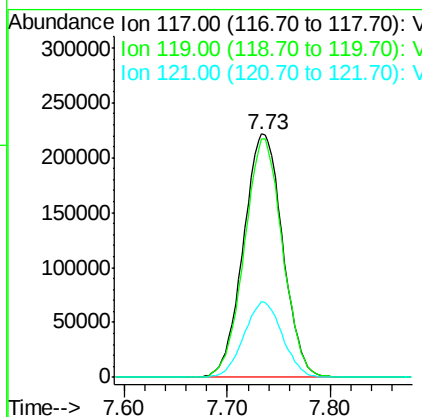
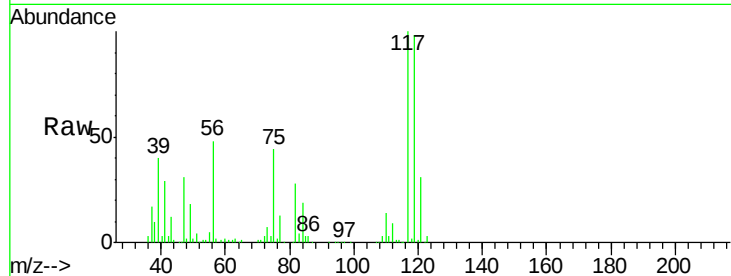
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.0	79.3	118.9
121	31.0	25.7	38.5

Manual Integrations
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#34

Benzene

Concen: 105.121 ug/l

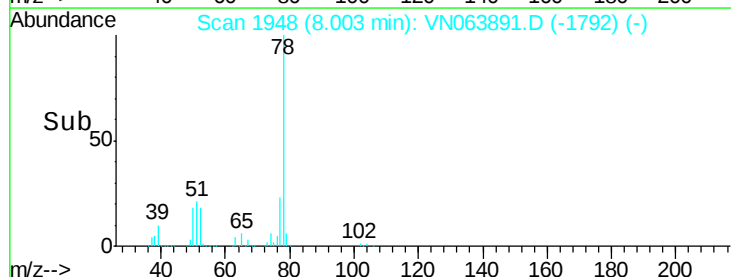
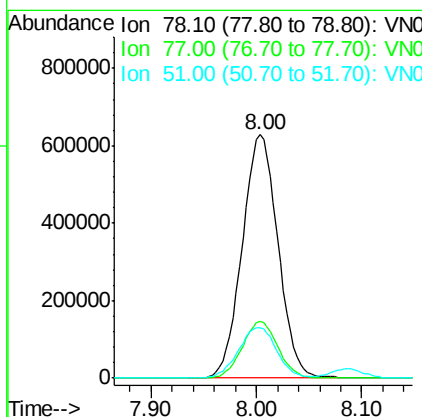
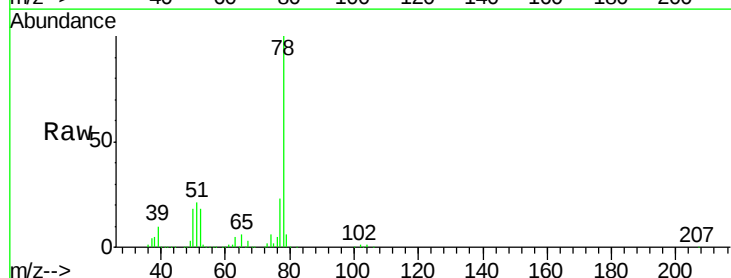
RT: 8.00 min Scan# 1948

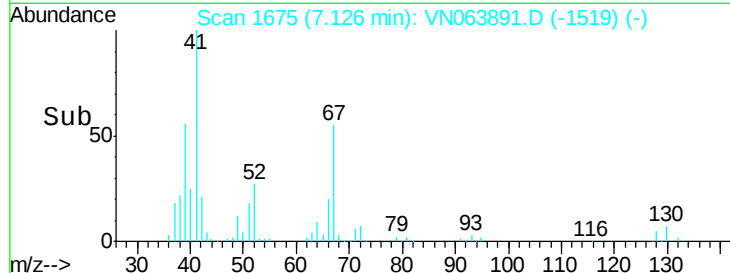
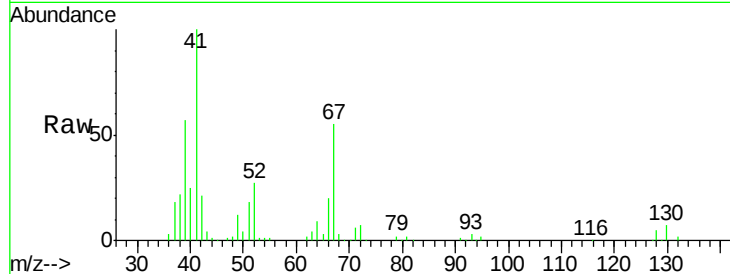
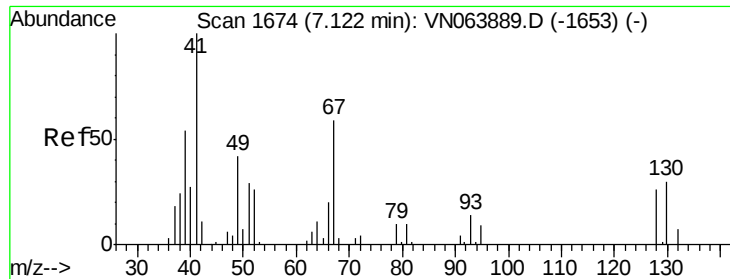
Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
51	20.7	22.7	34.1#





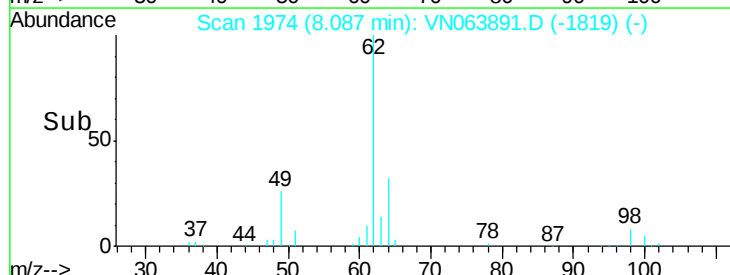
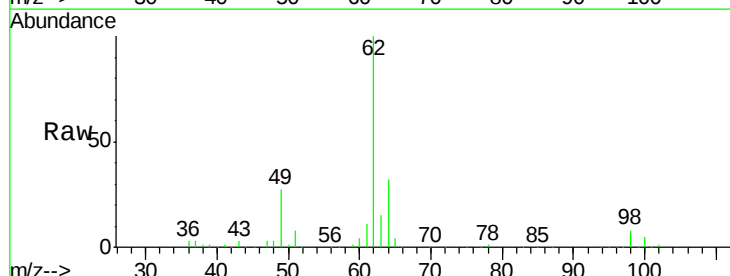
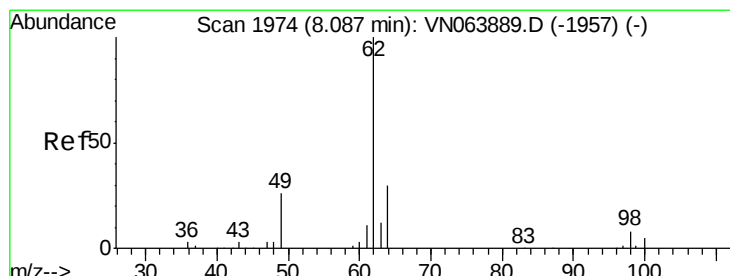
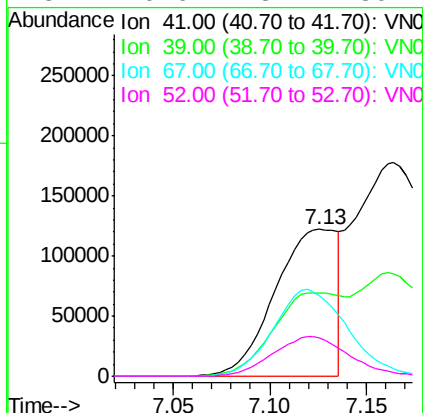
#35
Methacrylonitrile
Concen: 138.019 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tot Ion	41	Resp	272149
Ion Ratio	Lower	Upper	
41	100		
39	56.4	26.8	80.3
67	55.3	29.8	89.3
52	26.6	13.1	39.1

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

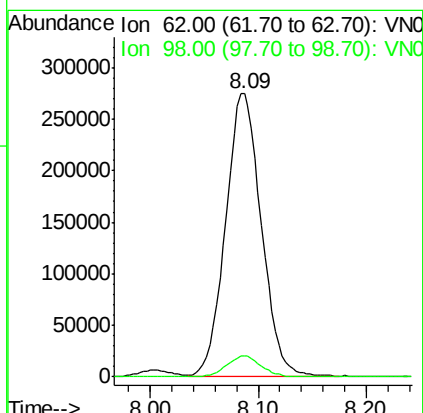
Manual Integrations
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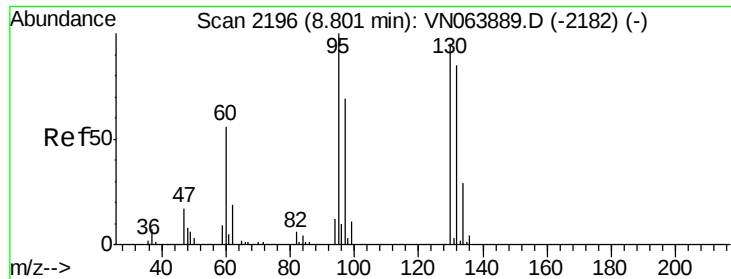
MMDadoda
10/7/2020 12:11:35 PM



#36
1,2-Dichloroethane
Concen: 124.485 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	62	Resp	635816
Ion Ratio	Lower	Upper	
62	100		
98	7.2	5.9	8.9





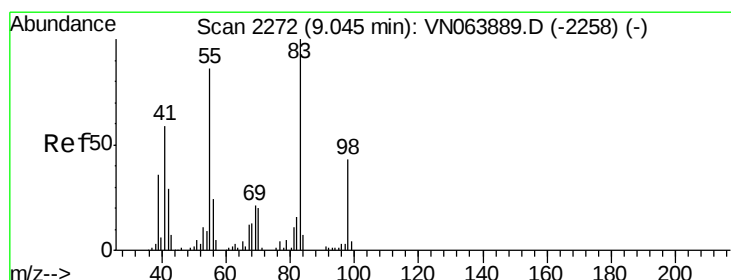
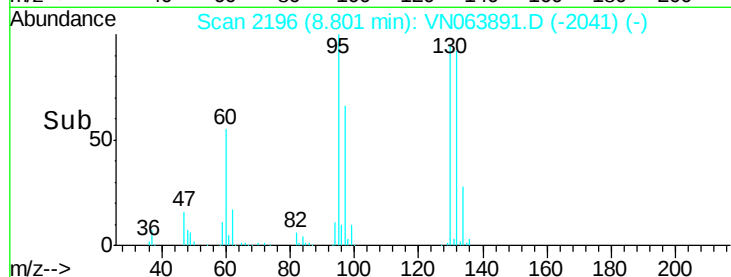
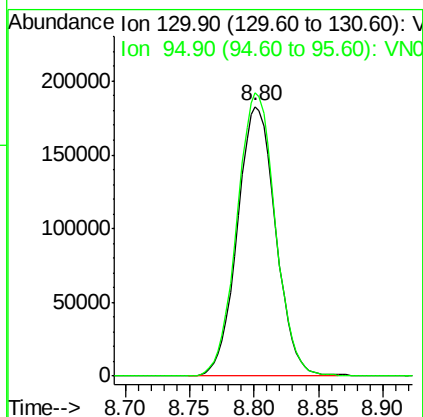
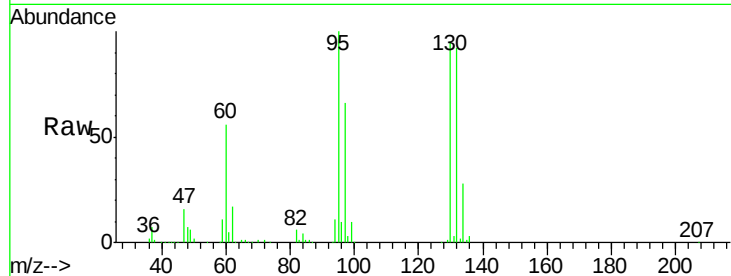
#37
 Trichloroethene
 Concen: 108.347 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
130	100		
95	105.0	84.5	126.7

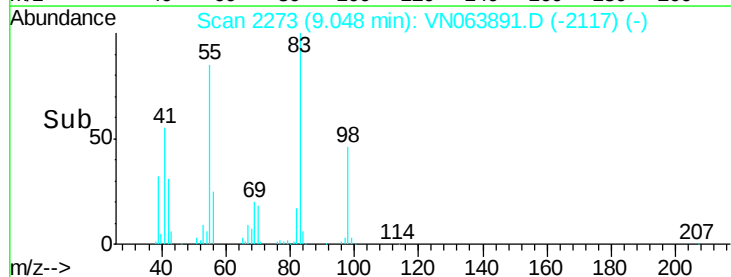
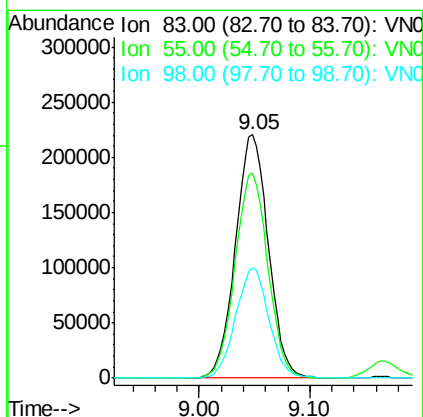
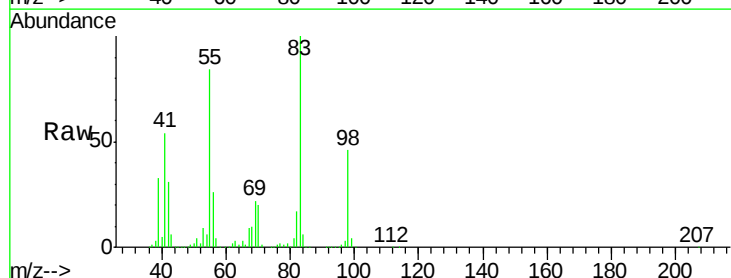
Manual Integrations
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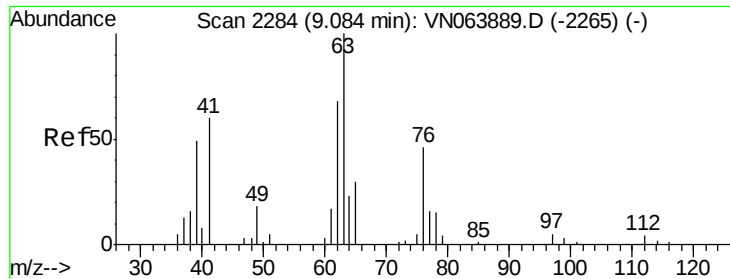
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#38
 Methylcyclohexane
 Concen: 86.709 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.0	42.4	127.1
98	45.8	21.6	64.6





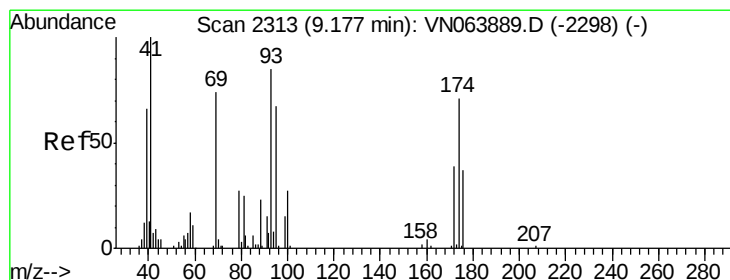
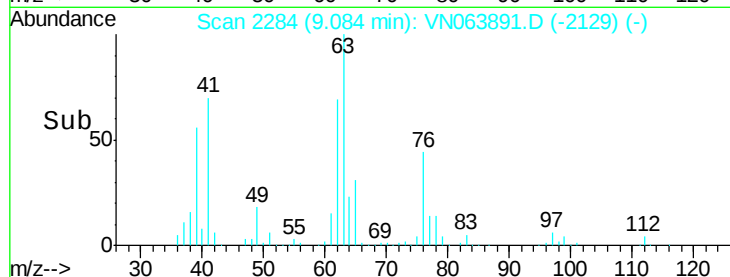
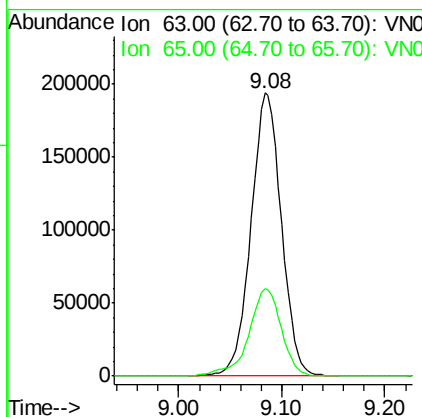
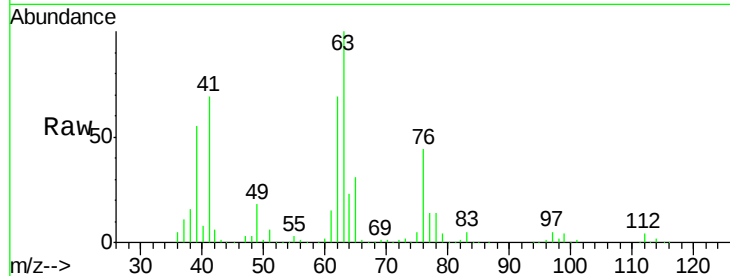
#39
 1,2-Dichloropropane
 Concen: 97.491 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 395722
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

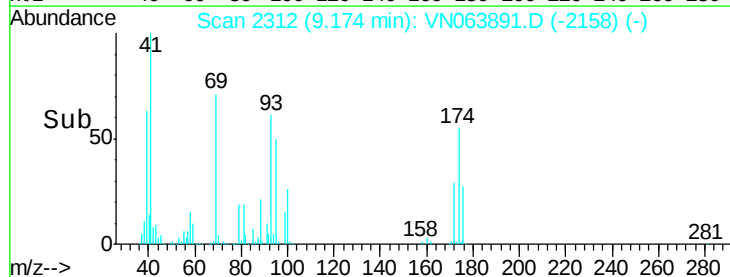
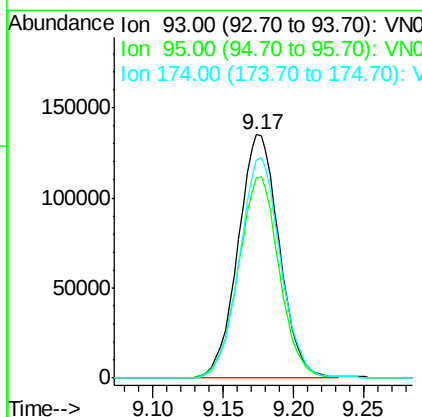
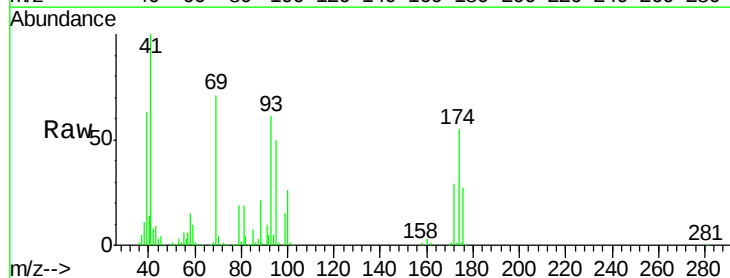
Manual Integrations
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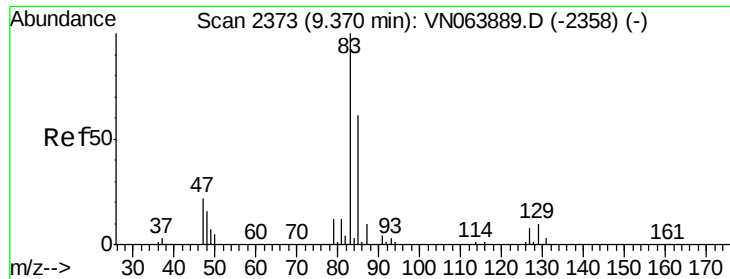
MMDadoda
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#40
 Dibromomethane
 Concen: 112.363 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion: 93 Resp: 276150
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 162.0
 174 89.7 0.0 176.6





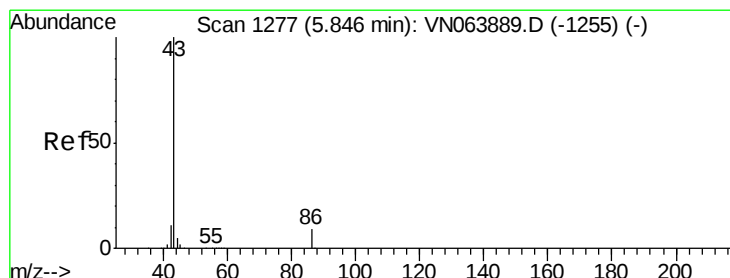
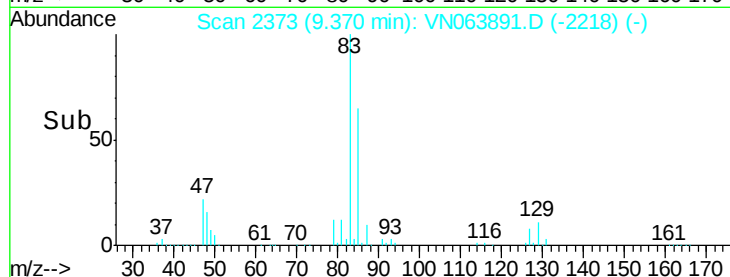
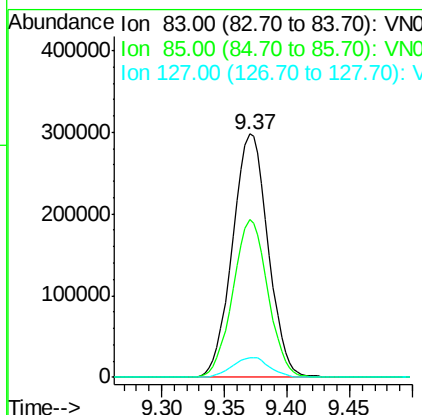
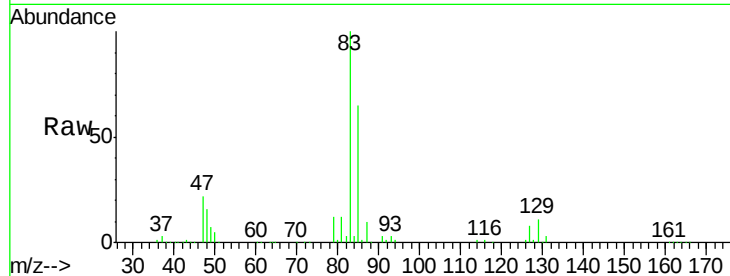
#41
Bromodichloromethane
Concen: 110.325 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	589496
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	49.0	73.6
127	8.2	6.7	10.1

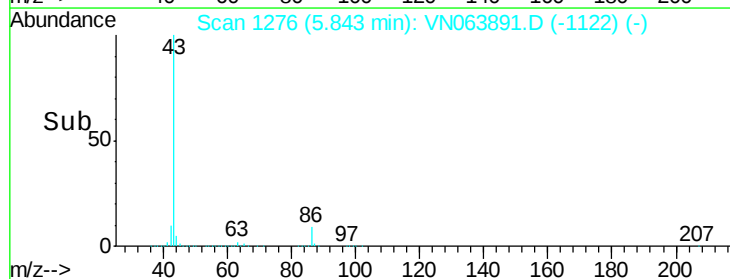
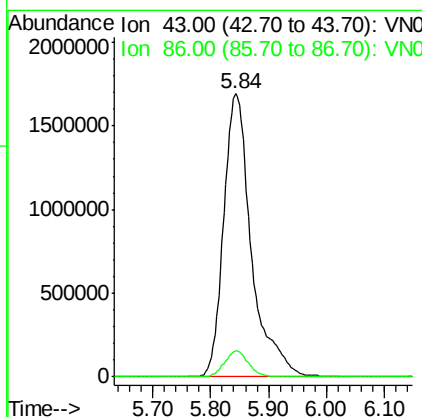
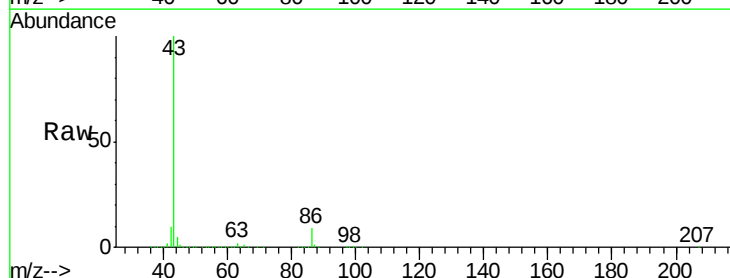
Manual Integrations
APPROVED

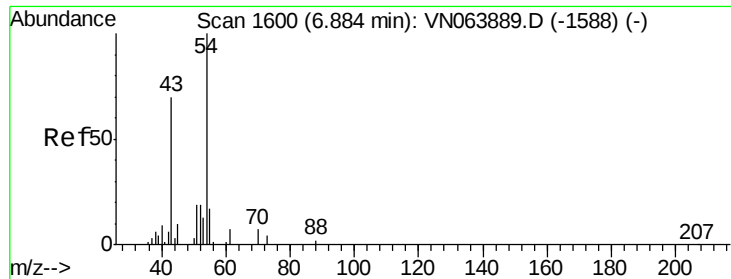
MMDadoda
10/7/2020 12:11:35 PM



#42
Vinyl Acetate
Concen: 673.779 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	43	Resp	5616462
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	6.4	9.6





#43

Ethyl Acetate

Concen: 135.201 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 560093

Ion Ratio Lower Upper

43 100

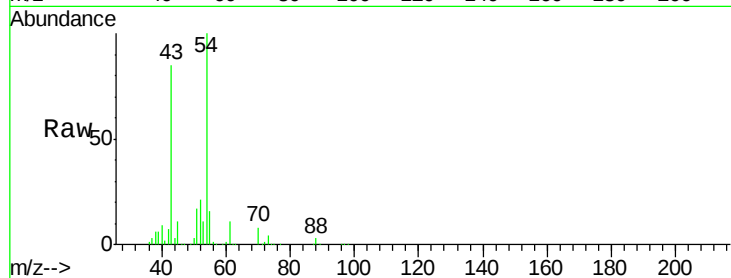
45 13.9 10.2 15.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

500000

400000

300000

200000

100000

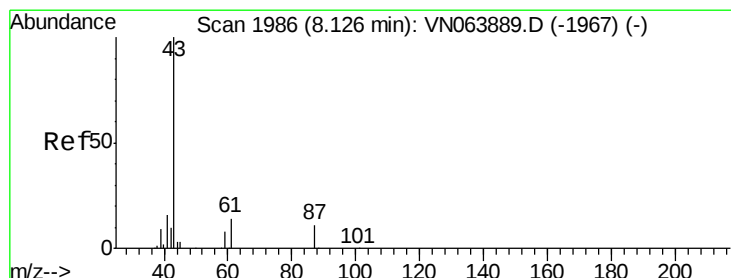
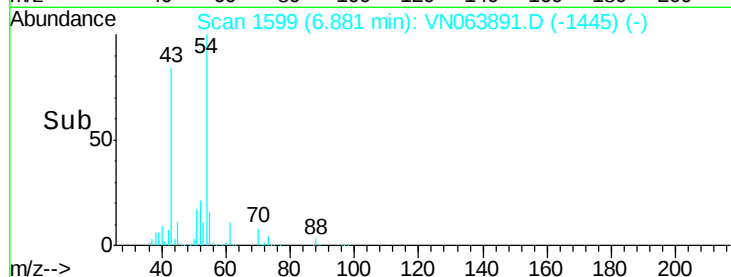
0

6.80

6.90

7.00

Time-->



#44

Isopropyl Acetate

Concen: 133.401 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063891.D

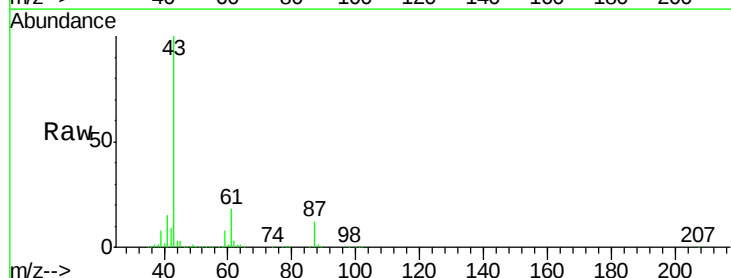
Acq: 6 Oct 2020 11:39

Tgt Ion: 43 Resp: 944477

Ion Ratio Lower Upper

43 100

61 17.9 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

500000

400000

300000

200000

100000

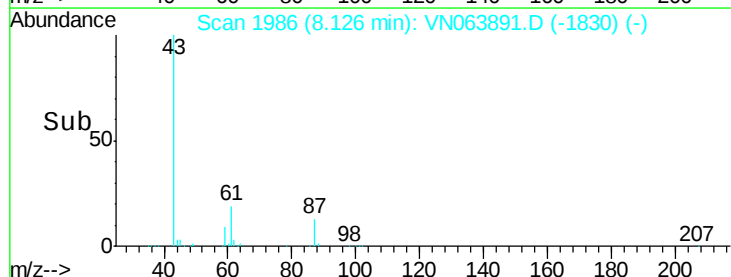
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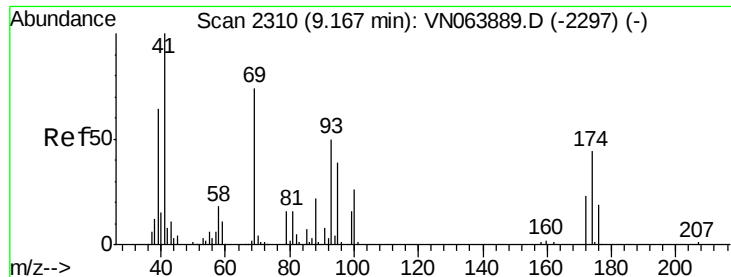
8.00

8.10

8.20

Time-->





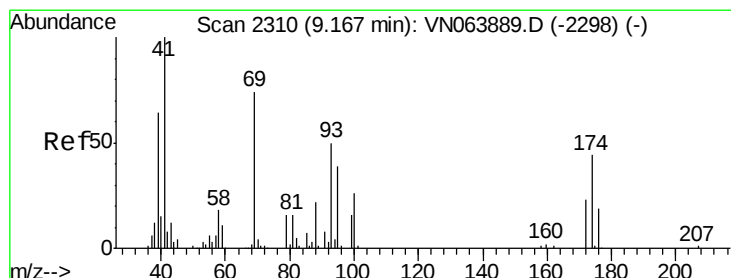
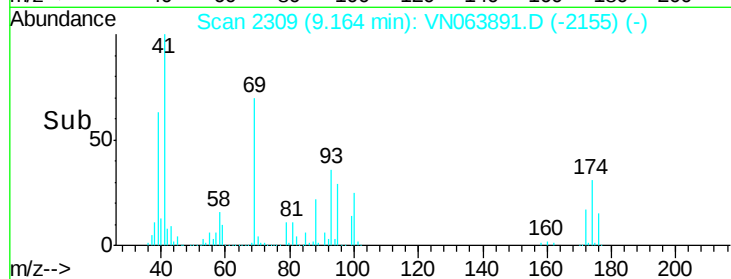
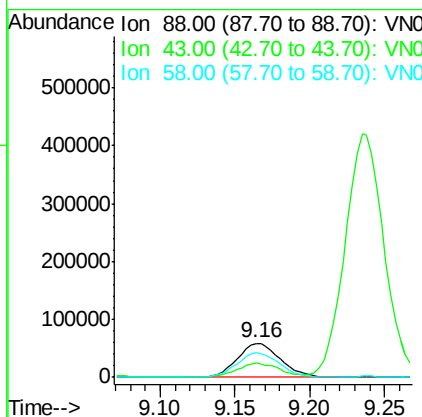
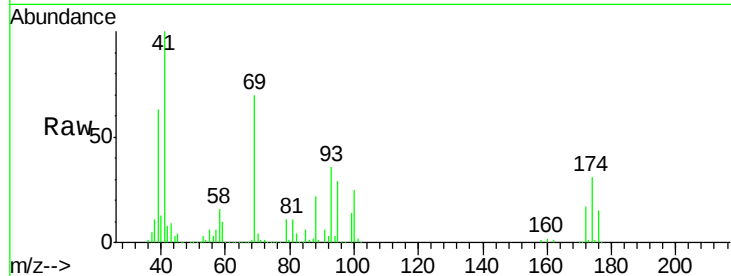
#45
 1,4-Dioxane
 Concen: 1942.258 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	34.0	51.0
58	72.5	64.9	97.3

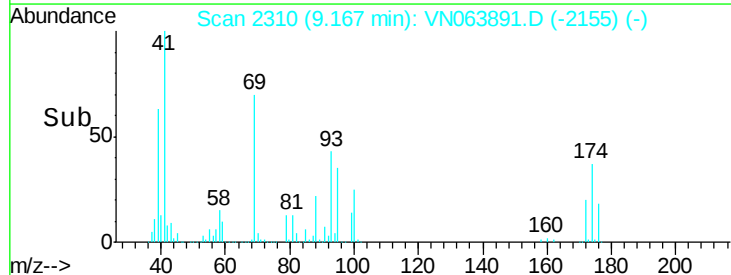
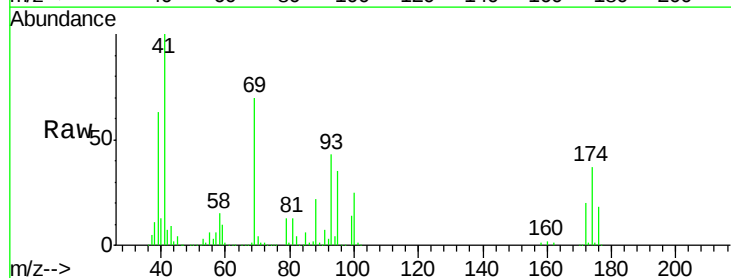
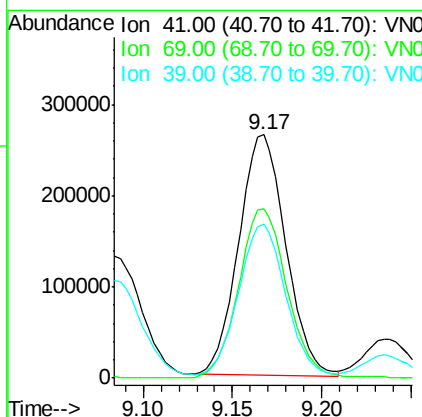
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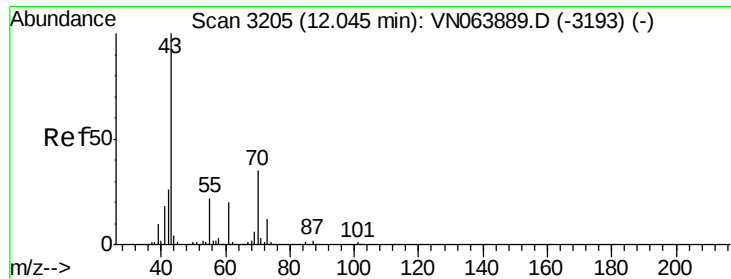
MMDadoda
 10/7/2020 12:11:35 PM



#46
 Methyl methacrylate
 Concen: 138.976 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.6	36.9	110.7
39	62.4	31.9	95.5





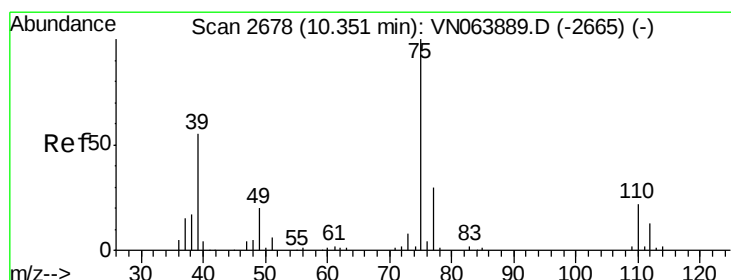
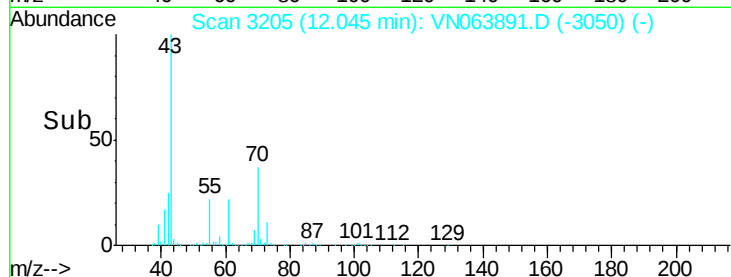
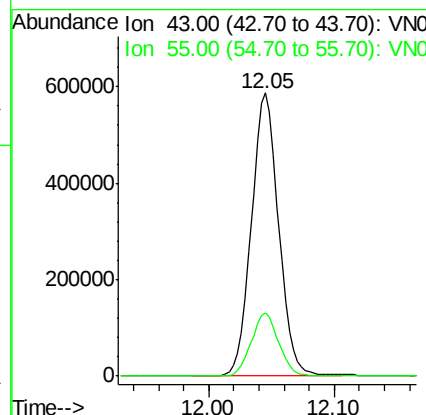
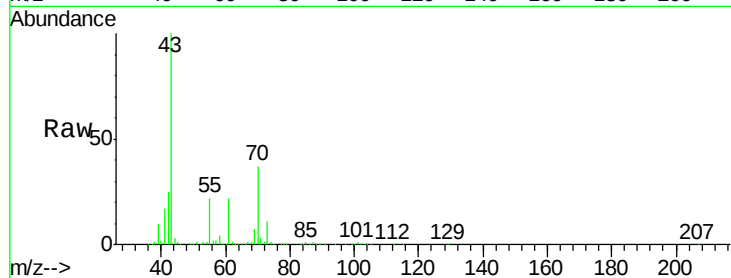
#47
n-amyl Acetate
Concen: 142.575 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 887966
Ion Ratio Lower Upper
43 100
55 22.5 17.8 26.6

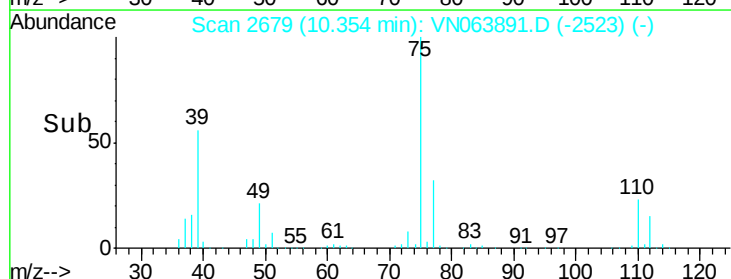
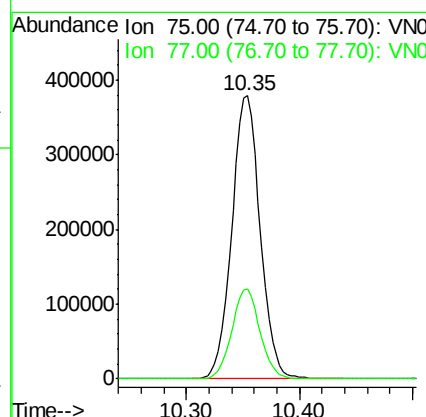
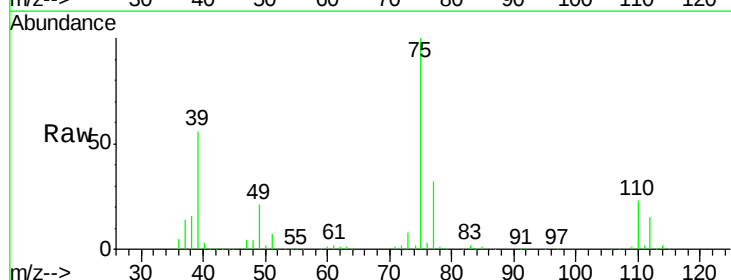
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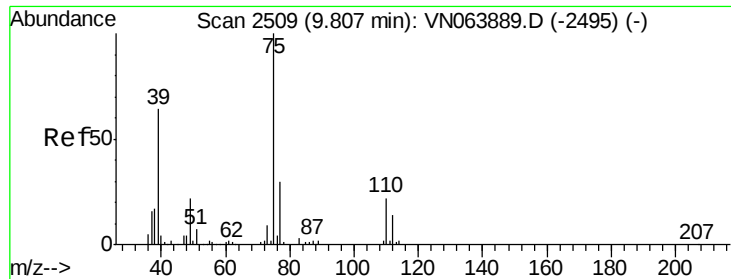
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 115.971 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion: 75 Resp: 659867
Ion Ratio Lower Upper
75 100
77 31.7 24.2 36.4





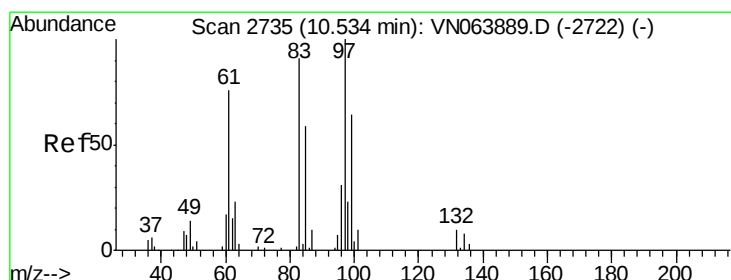
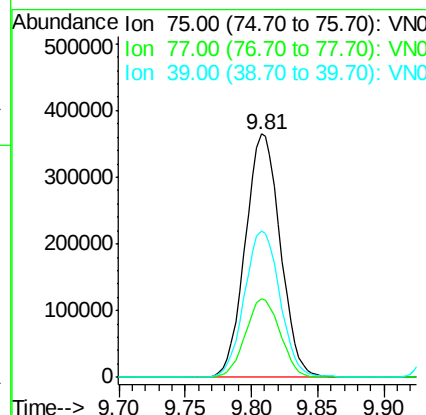
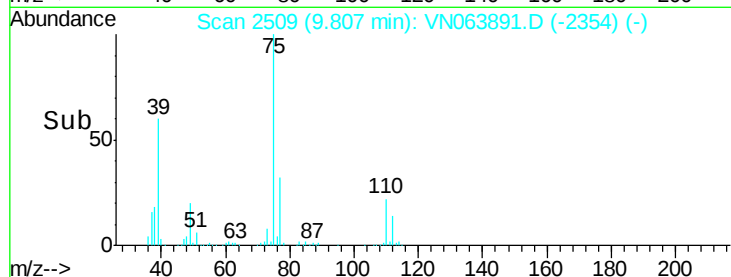
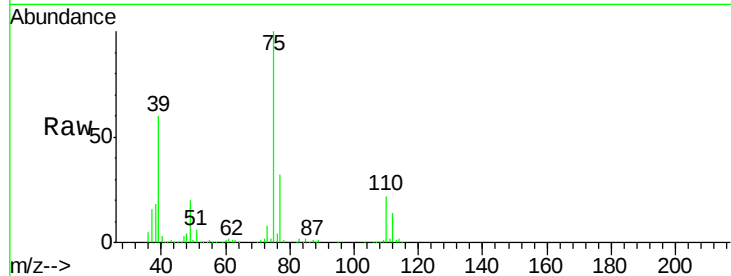
#49
 cis-1,3-Dichloropropene
 Concen: 110.576 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.1	36.1
39	60.2	51.0	76.4

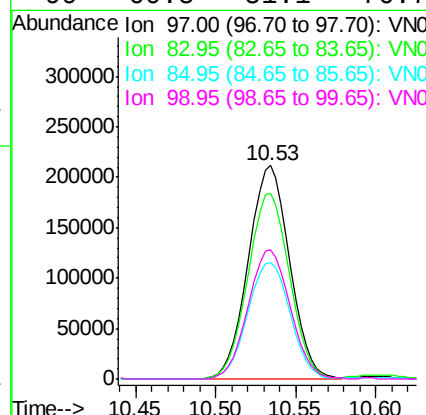
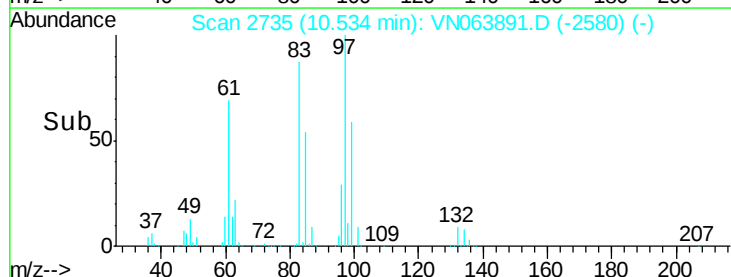
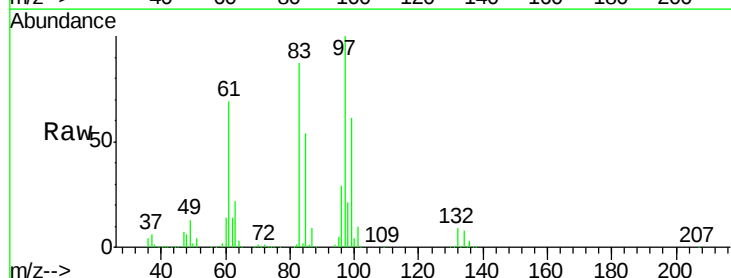
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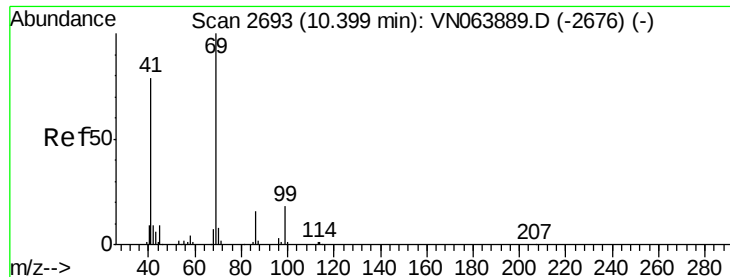
MMDadoda
 10/7/2020 12:11:35 PM



#50
 1,1,2-Trichloroethane
 Concen: 102.902 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	73.0	109.6
85	54.4	46.9	70.3
99	60.5	51.1	76.7





#51

Ethyl methacrylate

Concen: 118.728 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

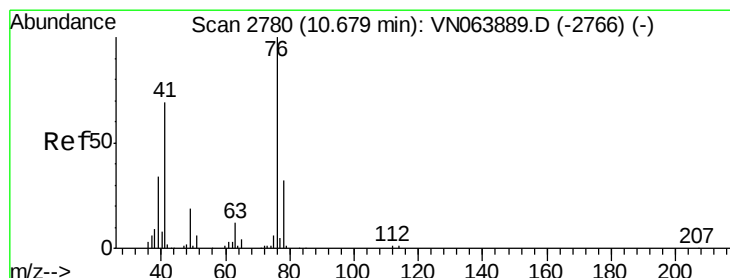
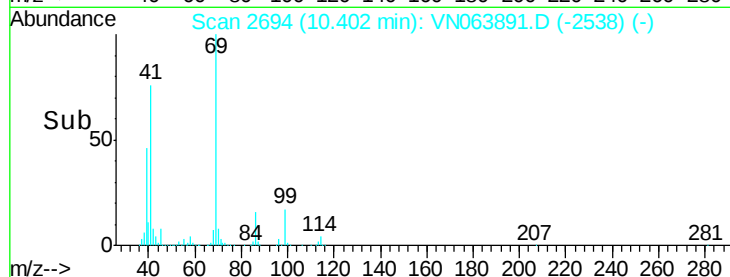
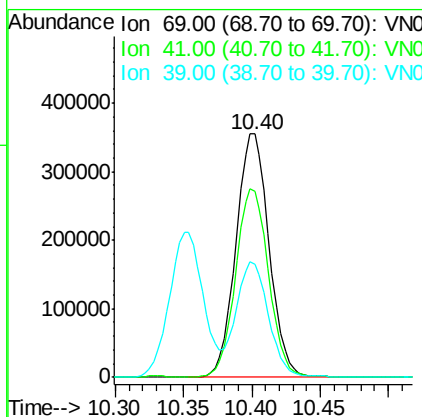
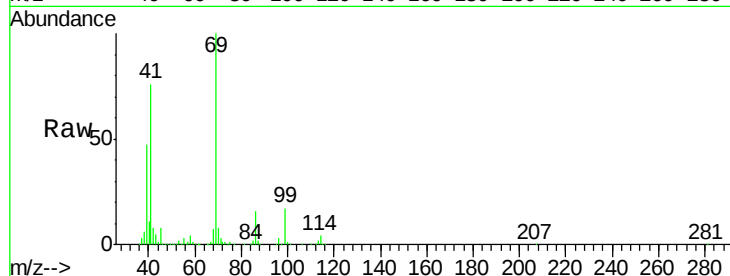
ClientSampled :

VSTDIC100

Tot Ion:	69	Resp:	598915
Ion Ratio	Lower	Upper	
69	100		
41	76.3	39.6	118.7
39	46.3	25.9	77.6

Manual Integrations
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10/7/2020 12:11:35 PM



#52

1,3-Dichloropropane

Concen: 107.122 ug/l

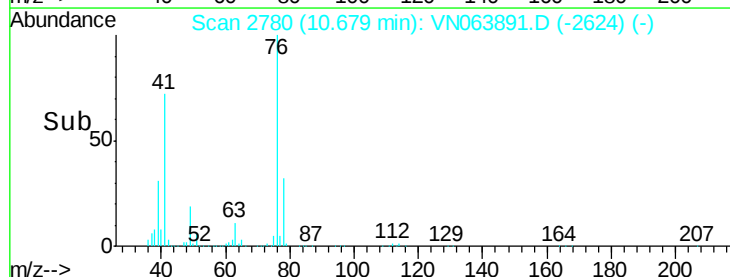
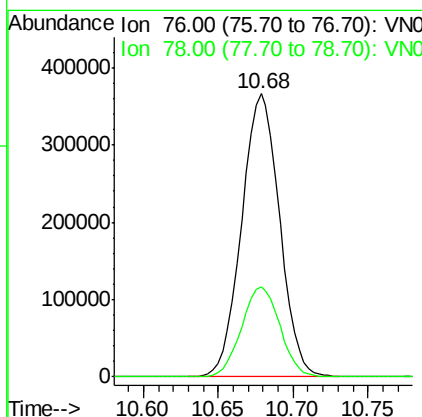
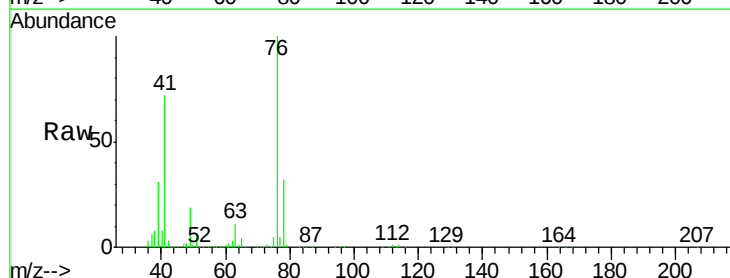
RT: 10.68 min Scan# 2780

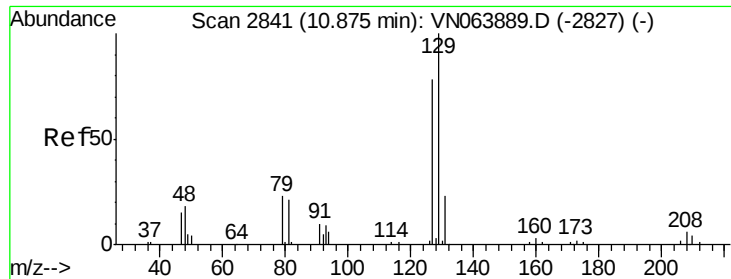
Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Tgt Ion:	76	Resp:	648033
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	66.0





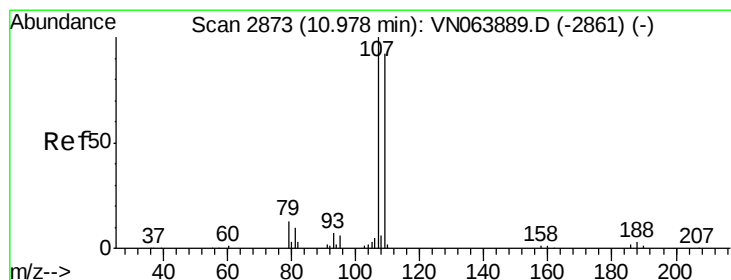
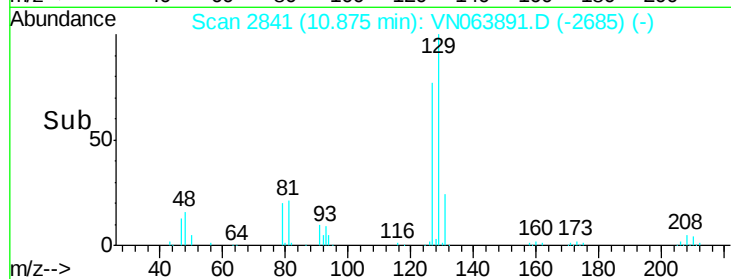
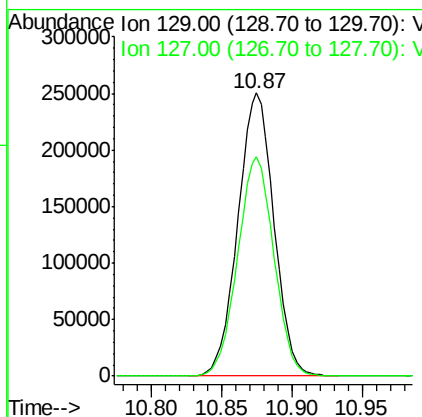
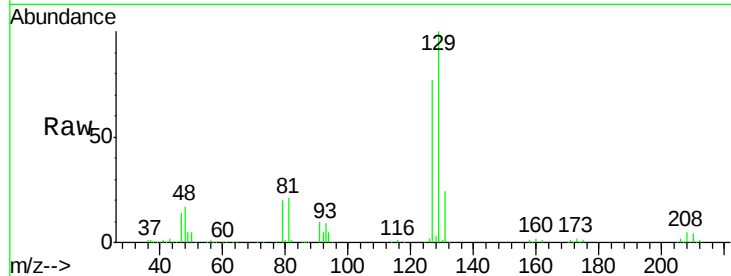
#53
Dibromochloromethane
Concen: 110.607 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:129 Resp: 448501
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.1

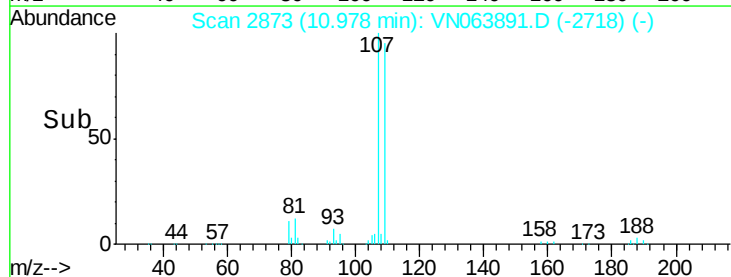
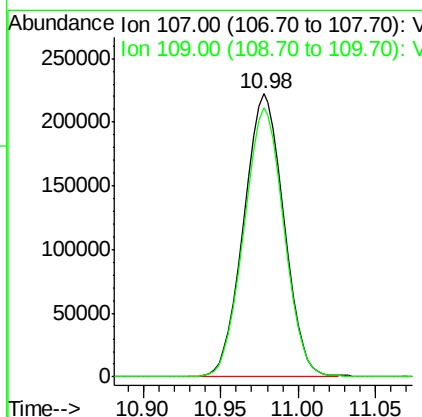
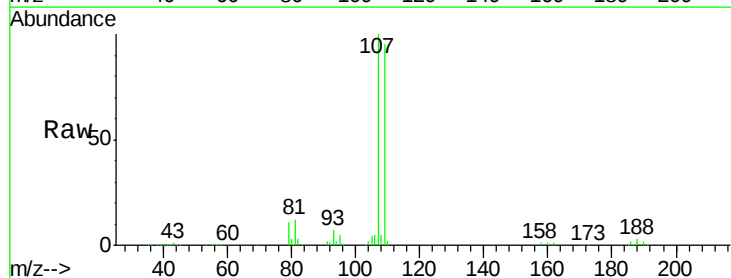
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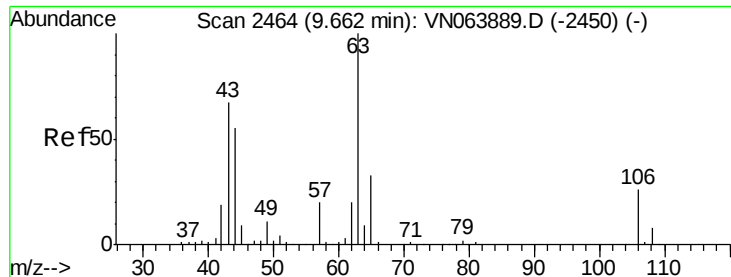
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#54
1,2-Dibromoethane
Concen: 112.148 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion:107 Resp: 400527
Ion Ratio Lower Upper
107 100
109 95.1 74.7 112.1





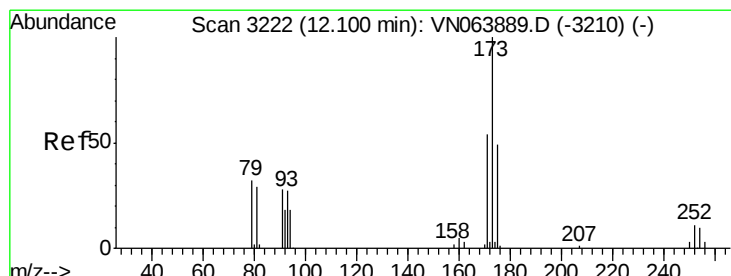
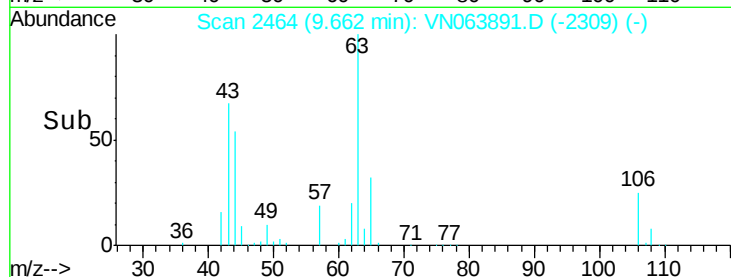
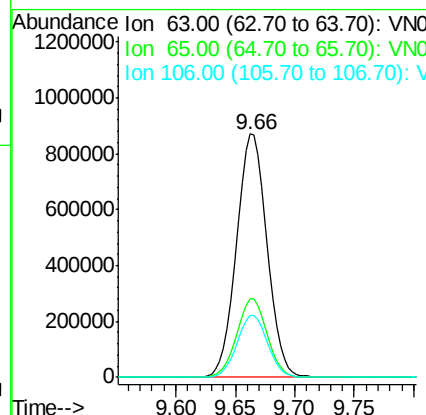
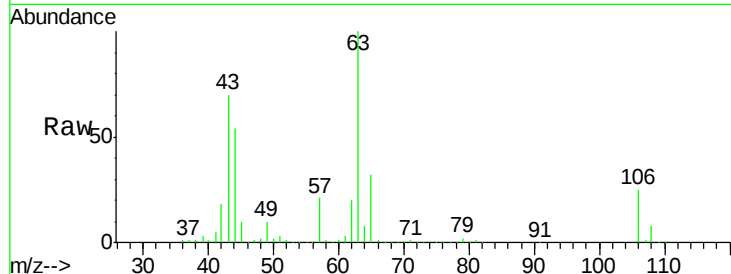
#55
2-Chloroethyl vinyl ether
Concen: 1119.654 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 1549182
Ion Ratio Lower Upper
63 100
65 32.2 25.4 38.2
106 25.4 20.3 30.5

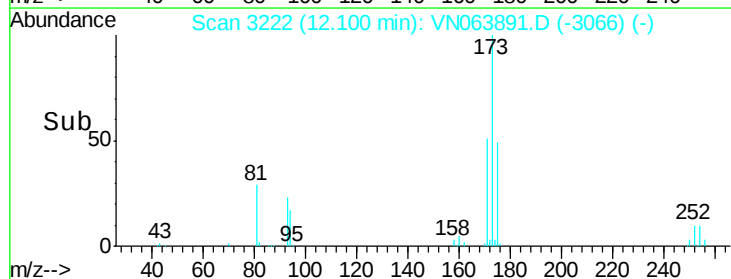
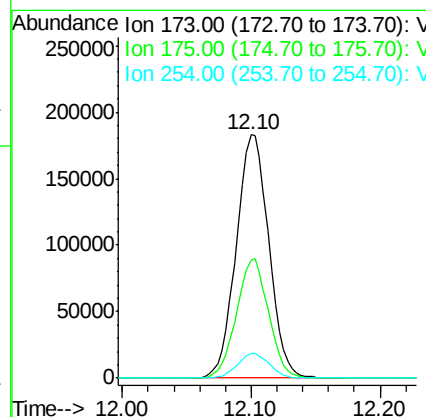
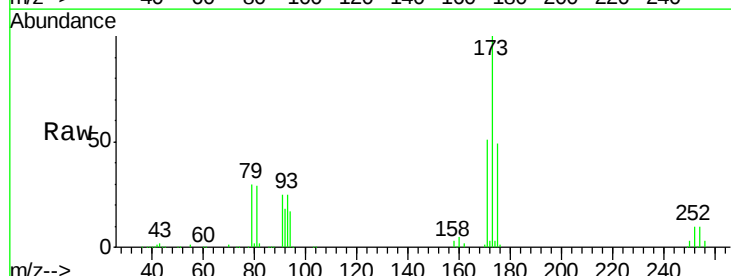
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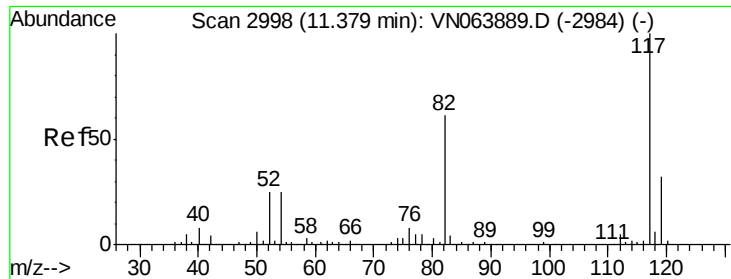
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#56
Bromoform
Concen: 109.687 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion: 173 Resp: 321076
Ion Ratio Lower Upper
173 100
175 48.4 39.4 59.2
254 10.0 7.8 11.6





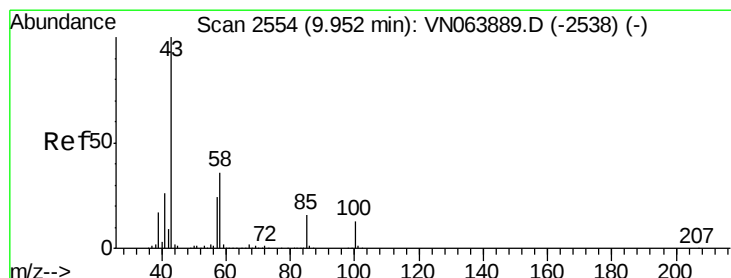
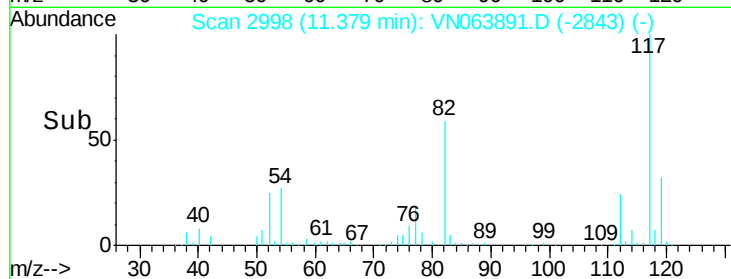
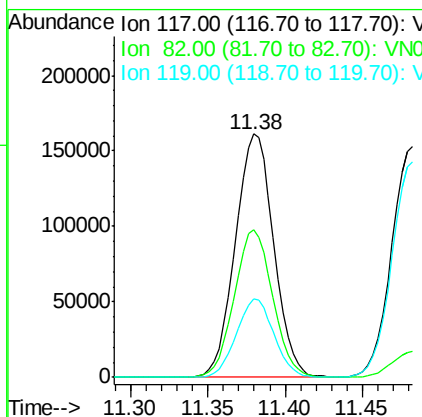
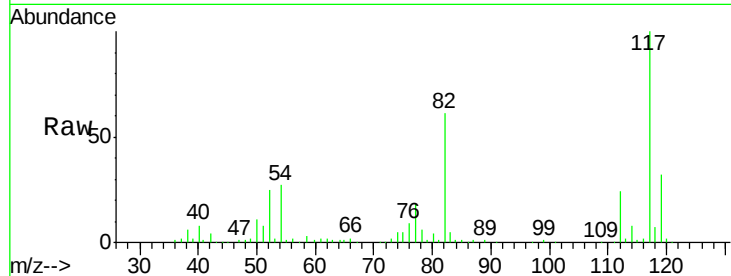
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.7	71.5
119	31.6	25.7	38.5

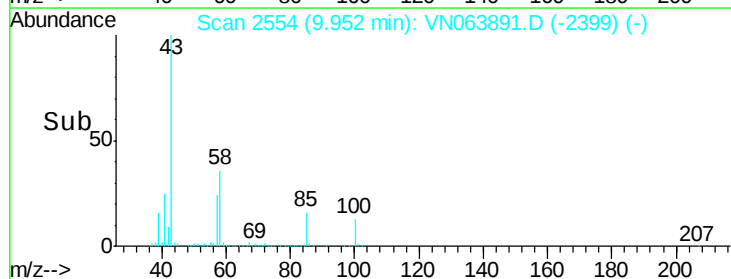
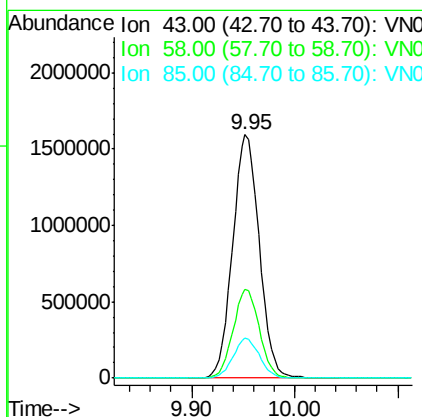
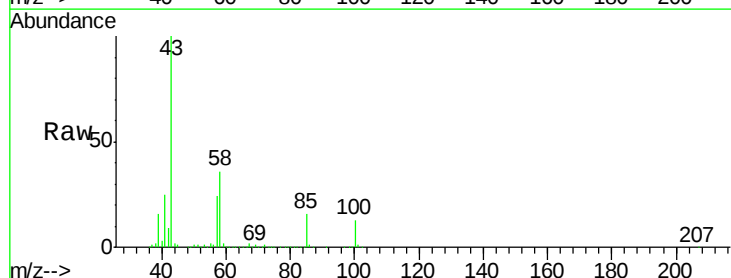
Manual Integrations
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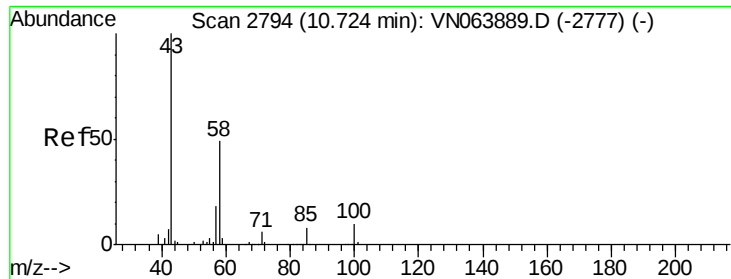
MMDadoda
10/7/2020 12:11:35 PM



#58
4-Methyl-2-Pentanone
Concen: 651.420 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.2	42.4
85	16.2	12.8	19.2





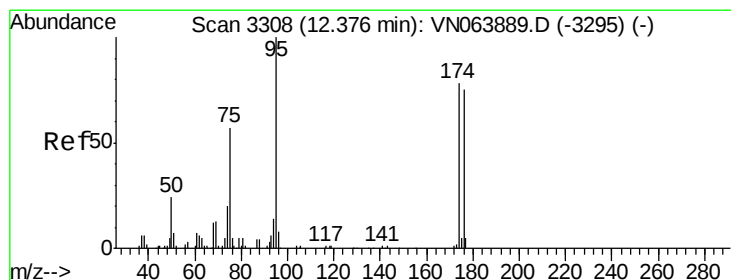
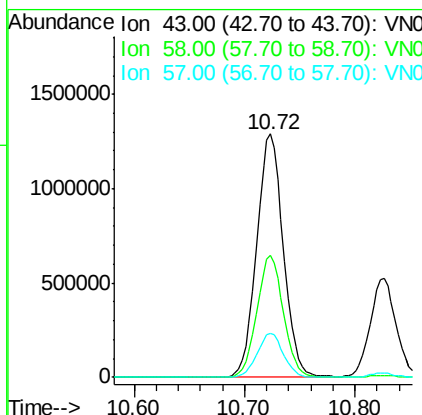
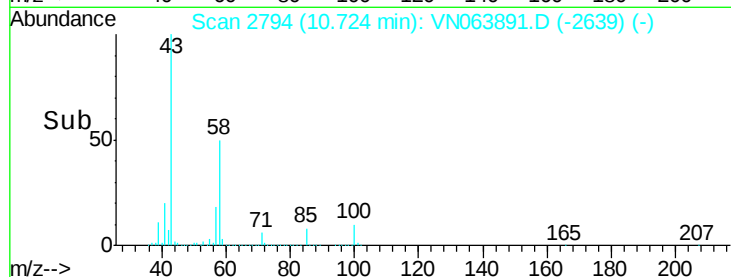
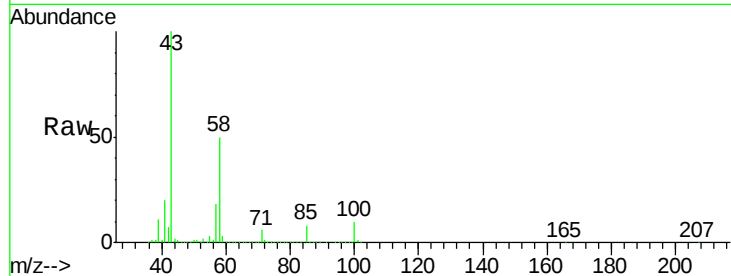
#59
2-Hexanone
Concen: 678.398 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2151976
Ion Ratio Lower Upper
43 100
58 50.0 38.9 58.3
57 18.0 14.6 22.0

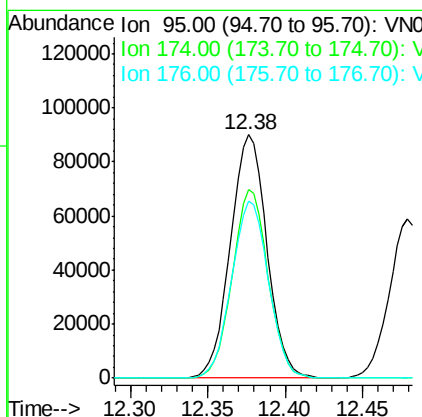
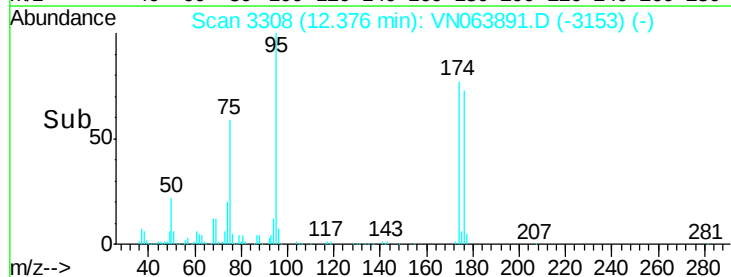
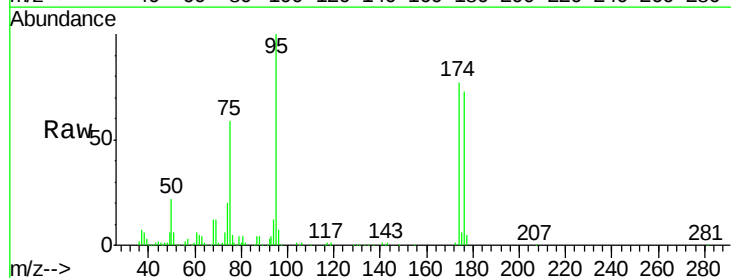
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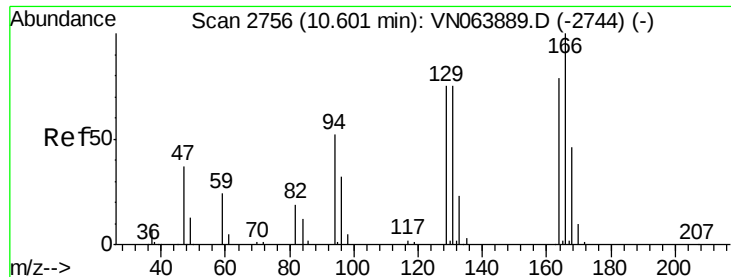
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#60
4-Bromofluorobenzene
Concen: 33.075 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion: 95 Resp: 147587
Ion Ratio Lower Upper
95 100
174 75.7 61.0 91.4
176 73.3 58.5 87.7





#61

Tetrachloroethene

Concen: 107.811 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 349941

Ion Ratio Lower Upper

164 100

166 128.8 102.2 153.4

129 98.4 77.2 115.8

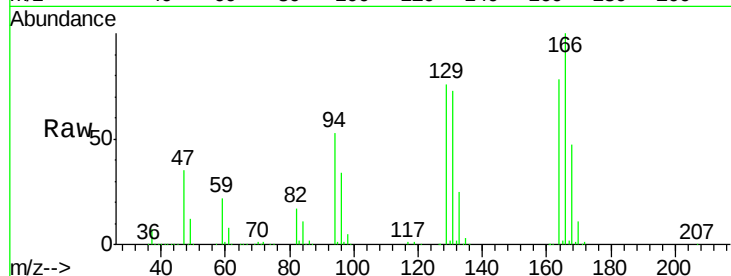
131 94.3 76.6 114.8

Manual Integrations

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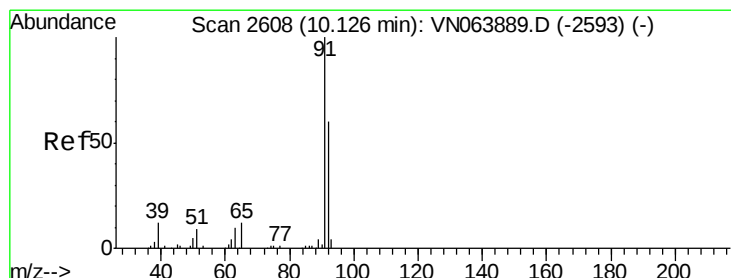
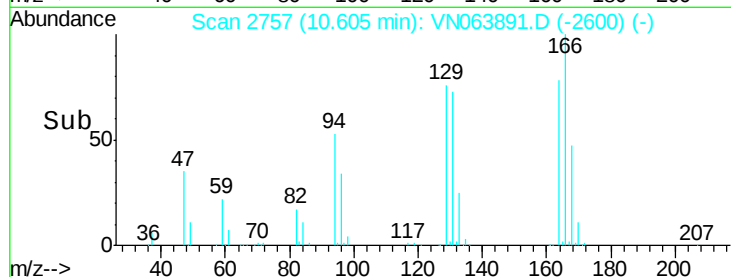
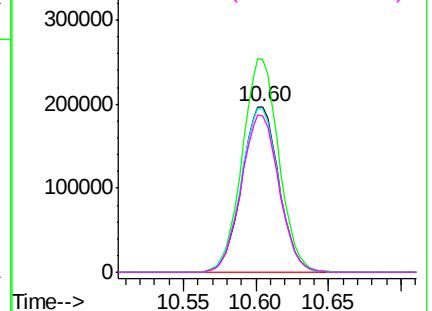


Abundance Ion 163.85 (163.55 to 164.55): V

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: 107.680 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN063891.D

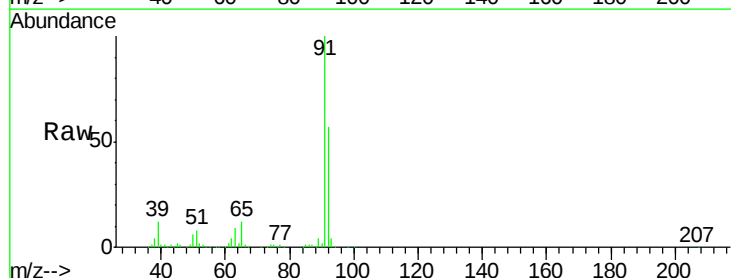
Acq: 6 Oct 2020 11:39

Tgt Ion: 91 Resp: 1654598

Ion Ratio Lower Upper

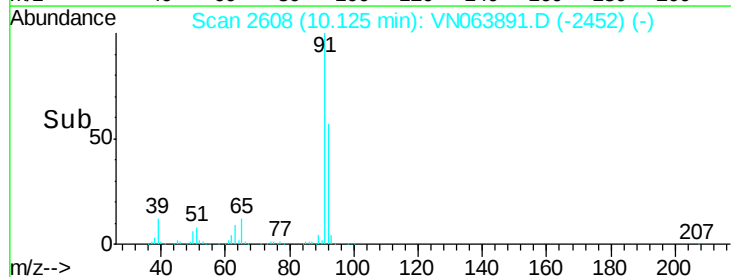
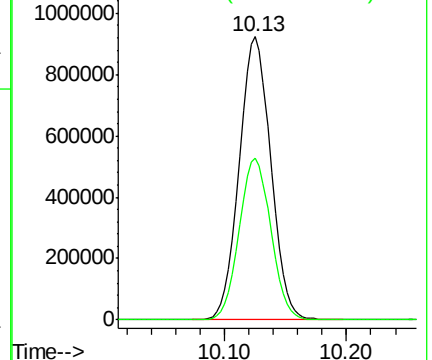
91 100

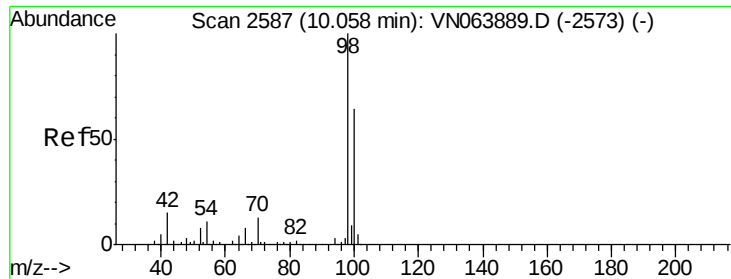
92 57.3 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





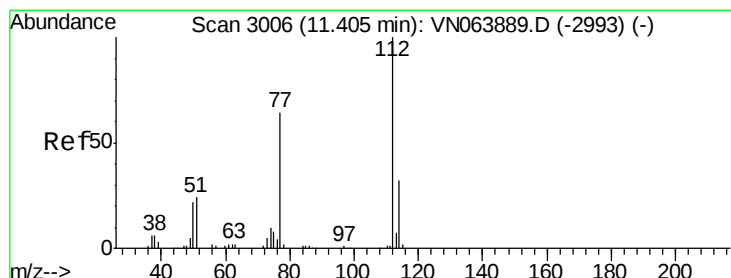
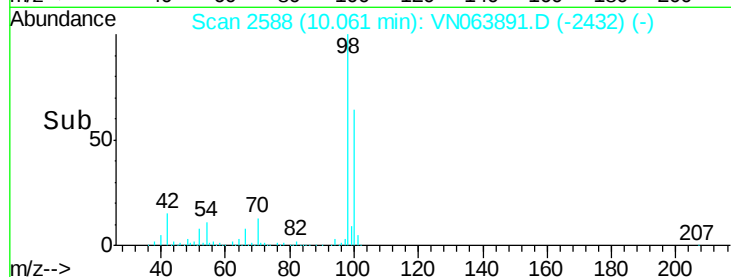
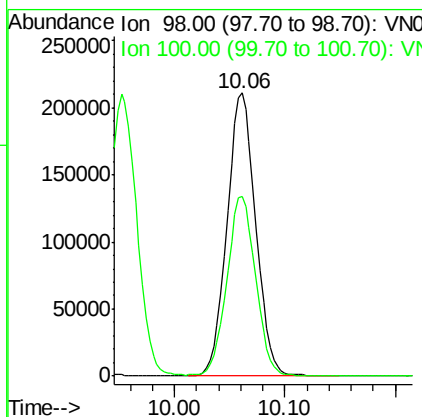
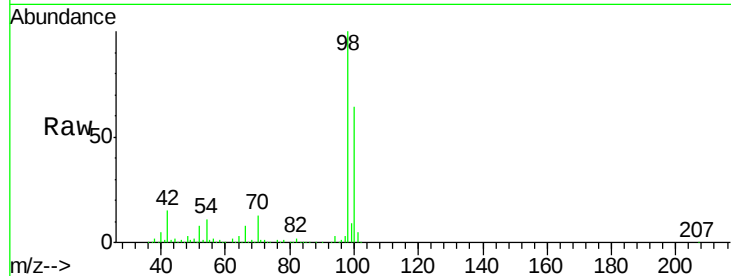
#63
Toluene-d8
Concen: 29.861 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 380116
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.6

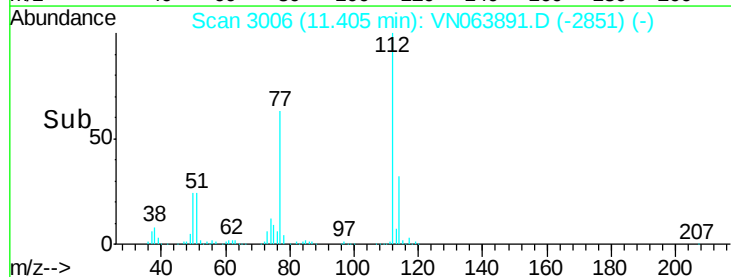
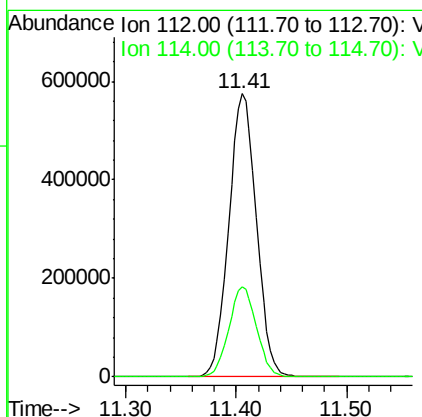
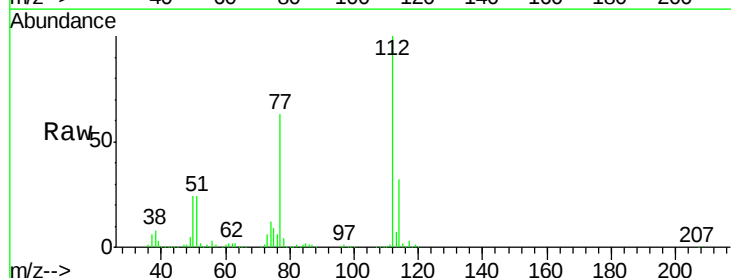
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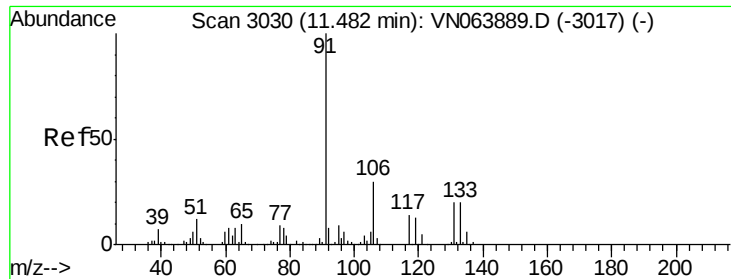
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#64
Chlorobenzene
Concen: 105.633 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion: 112 Resp: 998001
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6





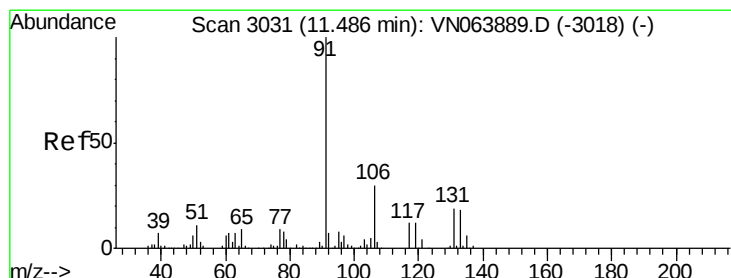
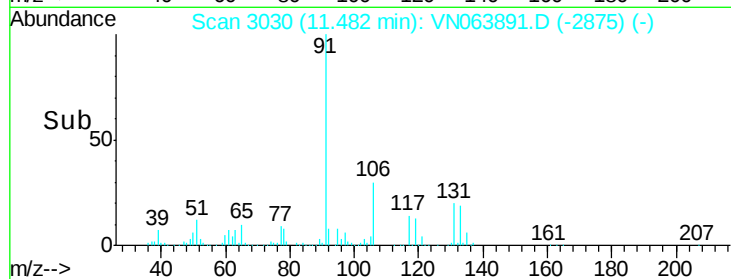
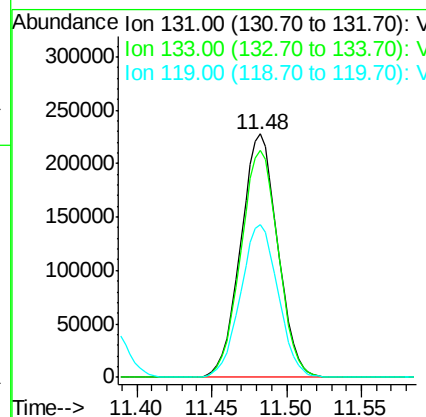
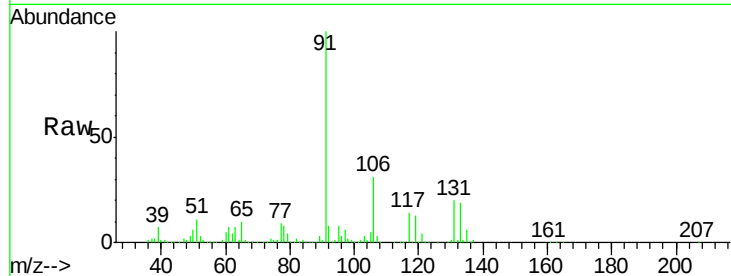
#65
 1,1,1,2-Tetrachloroethane
 Concen: 104.744 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	391939		
133	94.6	0.0	192.6	
119	63.7	0.0	133.2	

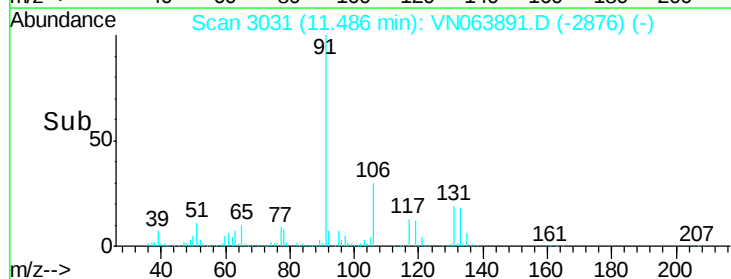
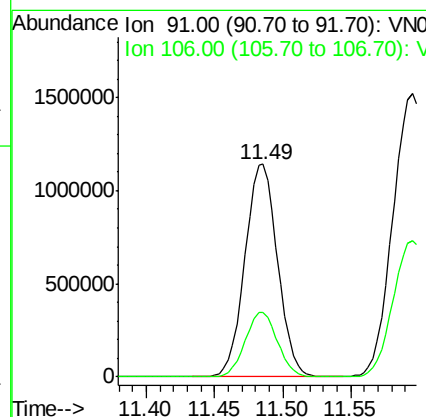
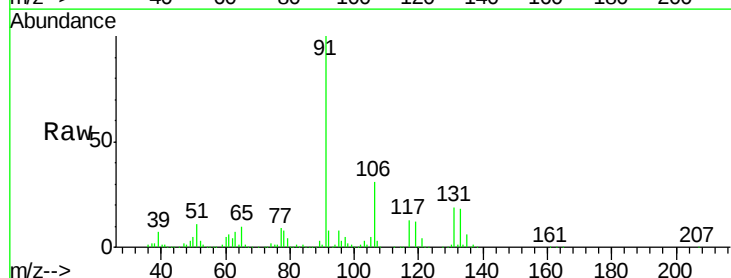
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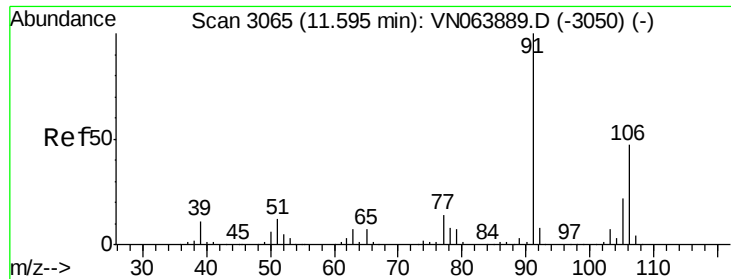
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#66
 Ethyl Benzene
 Concen: 112.505 ug/l
 RT: 11.49 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1894767		
106	30.6	24.4	36.6	





#67

m/p-Xylenes

Concen: 223.160 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 1405742

Ion Ratio Lower Upper

106 100

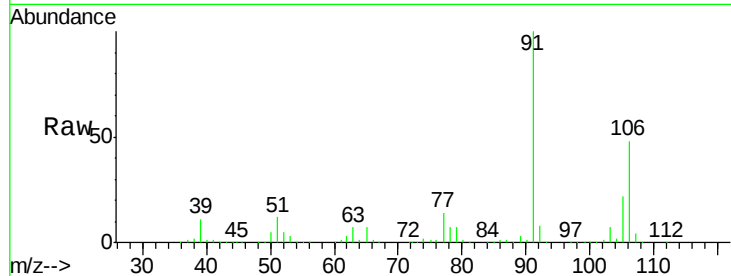
91 208.9 169.2 253.8

Manual Integrations

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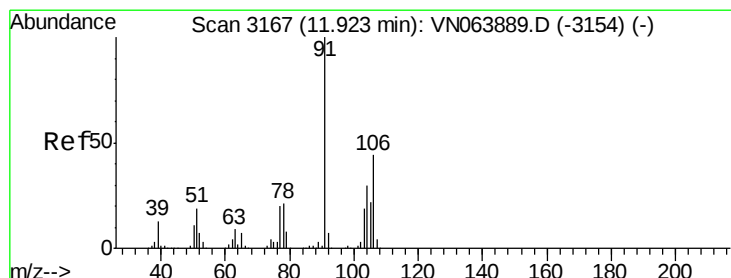
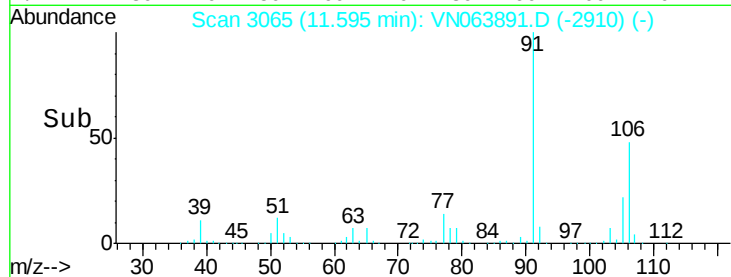
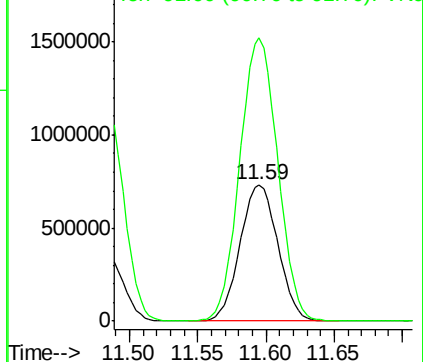
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 111.385 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN063891.D

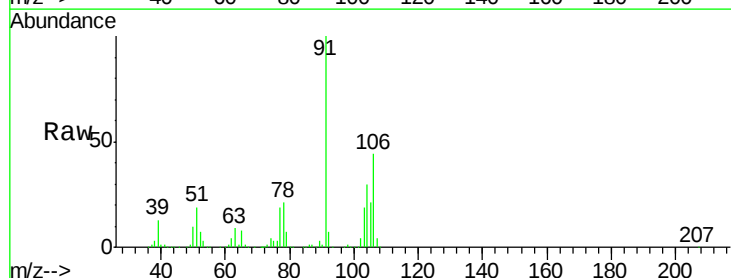
Acq: 6 Oct 2020 11:39

Tgt Ion:106 Resp: 670879

Ion Ratio Lower Upper

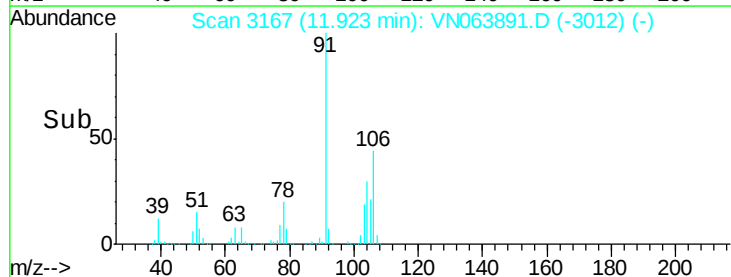
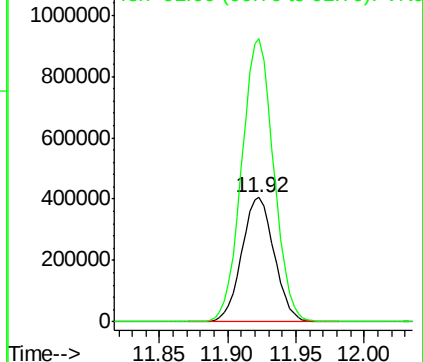
106 100

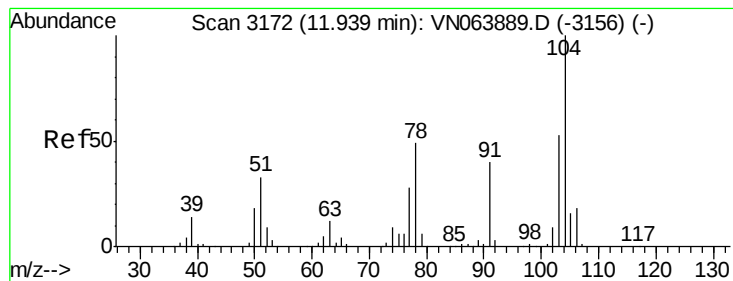
91 224.4 113.1 339.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

Stvrene

Concen: 112.288 ug/l

RT: 11.94 min Scan# 3172

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:104 Resp: 1175626

Ion Ratio Lower Upper

104 100

78 54.7 42.9 64.3

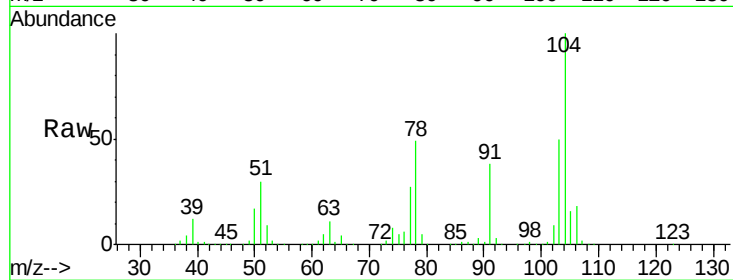
103 54.8 44.6 66.8

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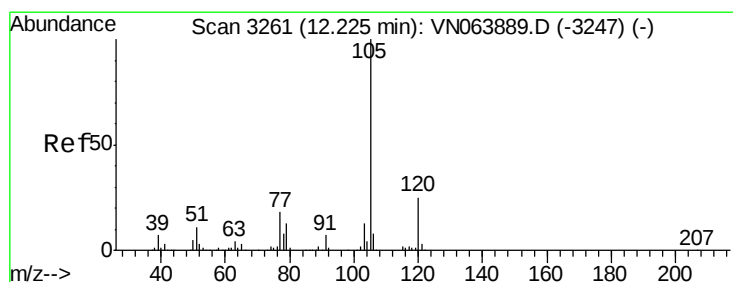
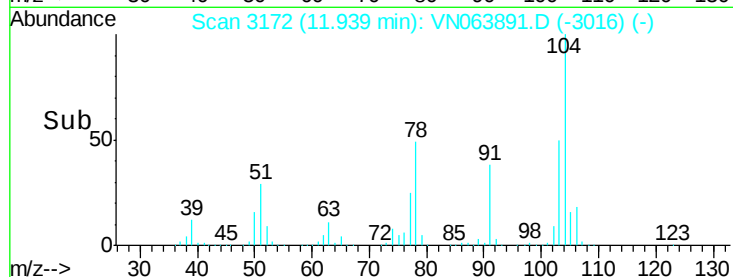
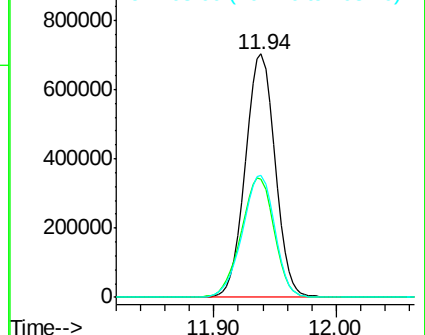
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 110.475 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063891.D

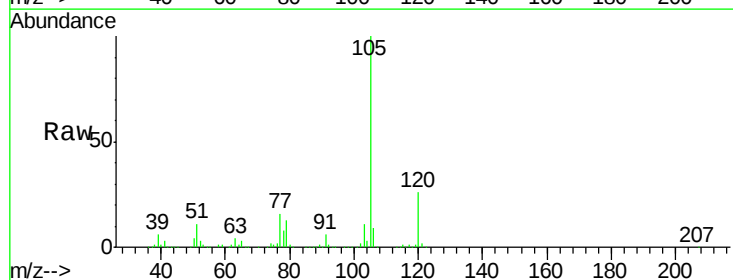
Acq: 6 Oct 2020 11:39

Tgt Ion:105 Resp: 1802308

Ion Ratio Lower Upper

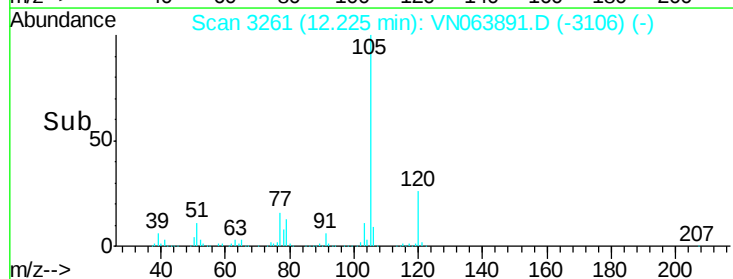
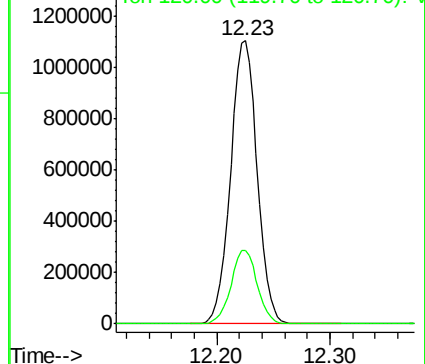
105 100

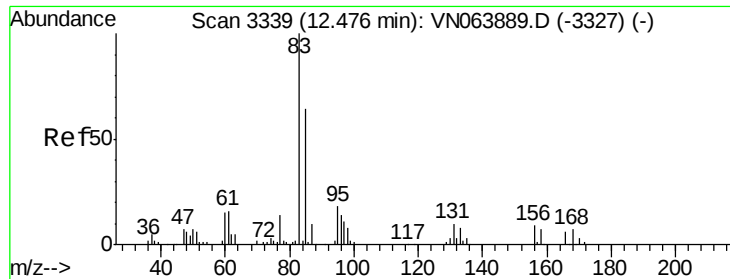
120 25.7 17.8 33.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





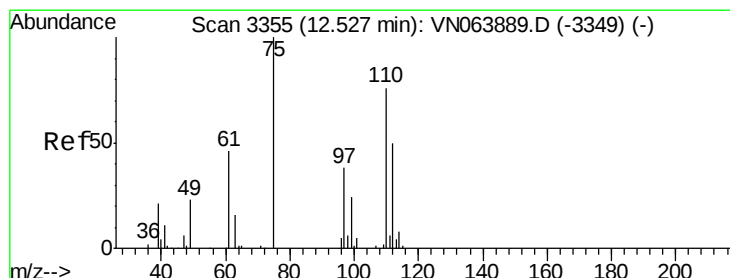
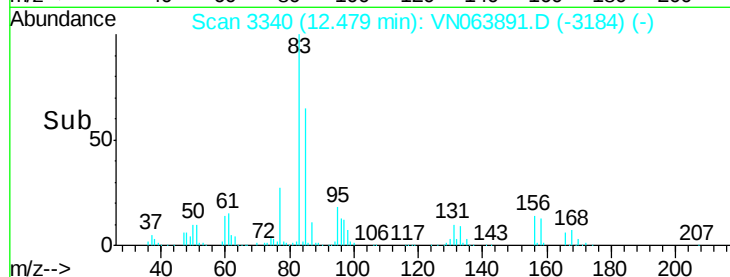
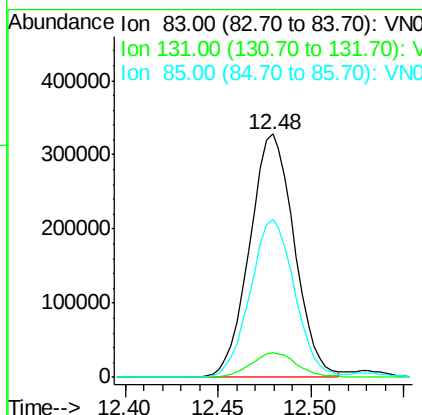
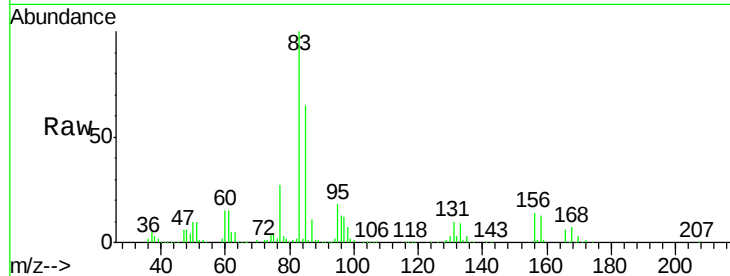
#71
 1,1,2,2-Tetrachloroethane
 Concen: 105.894 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	83	Resp	548044
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.4	16.2
85	64.6	32.3	96.8

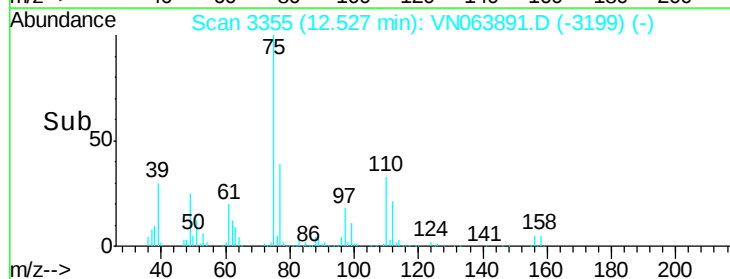
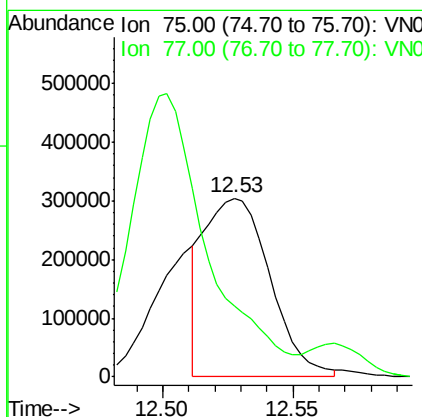
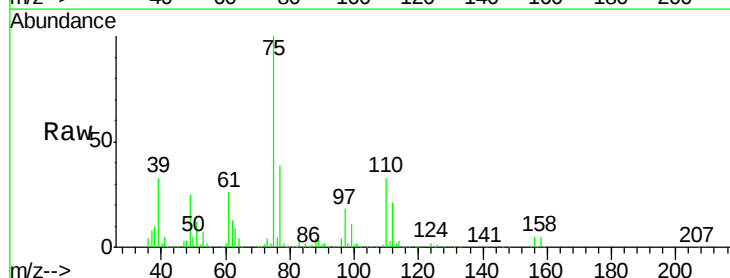
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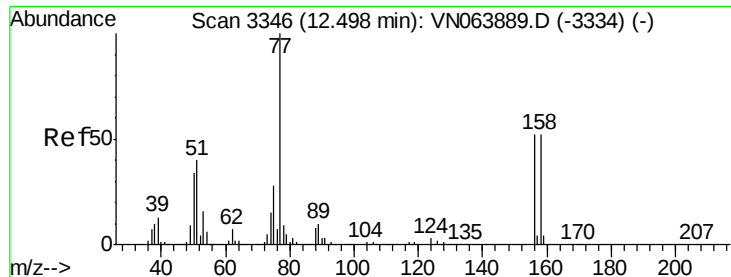
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#72
 1,2,3-Trichloropropane
 Concen: 112.264 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	75	Resp	535864
Ion Ratio	100	Lower	Upper
75	100		
77	185.0	0.0	336.6





#73

Bromobenzene

Concen: 103.266 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 446429

Ion Ratio Lower Upper

156 100

77 222.1 0.0 456.4

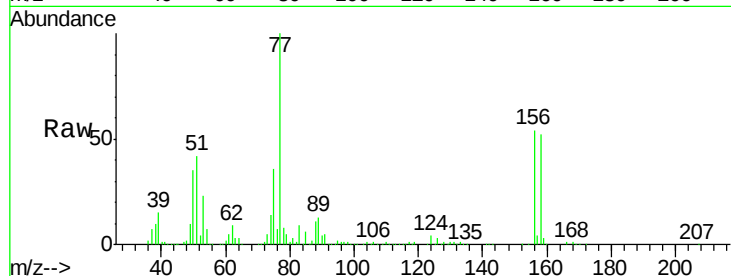
158 96.2 0.0 200.4

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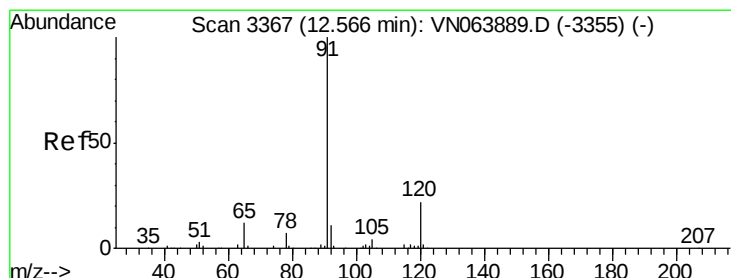
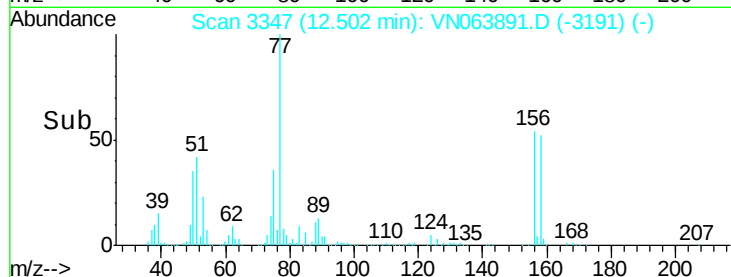
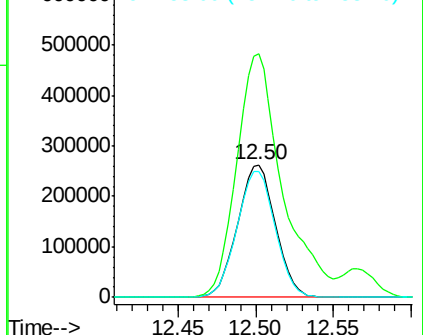
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 107.875 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063891.D

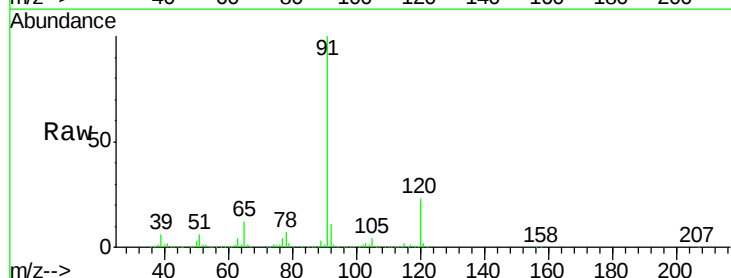
Acq: 6 Oct 2020 11:39

Tgt Ion: 91 Resp: 2101729

Ion Ratio Lower Upper

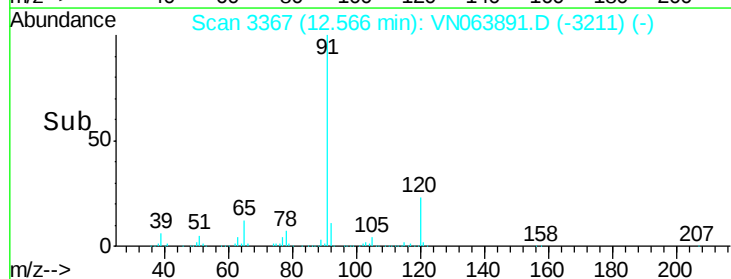
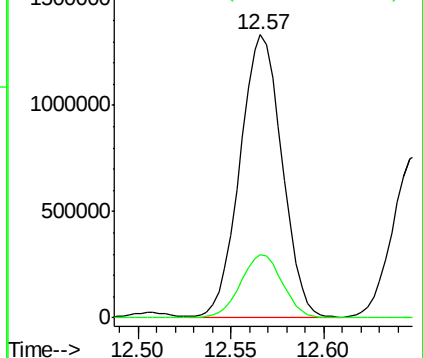
91 100

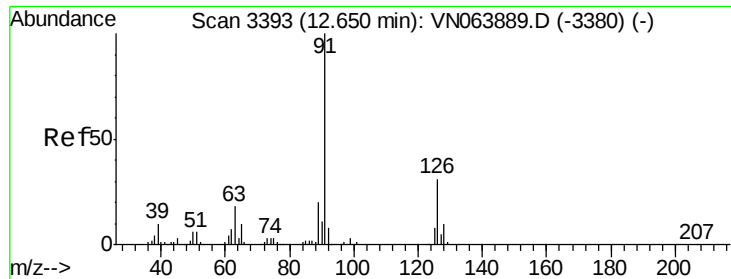
120 22.2 0.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 109.534 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063891.D

Acq: 6 Oct 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1276708

Ion Ratio Lower Upper

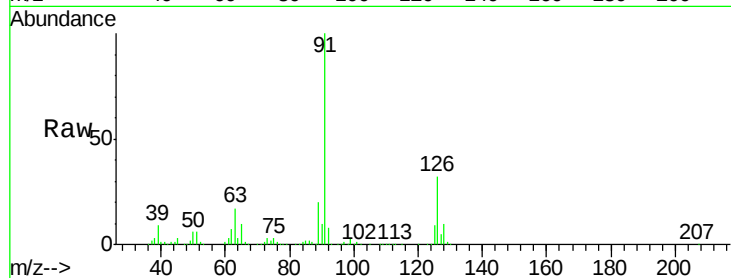
91 100

126 32.1 0.0 63.4

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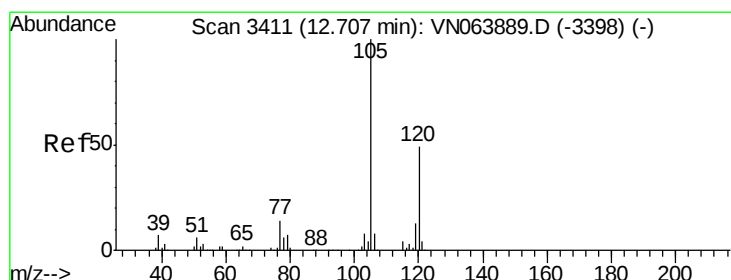
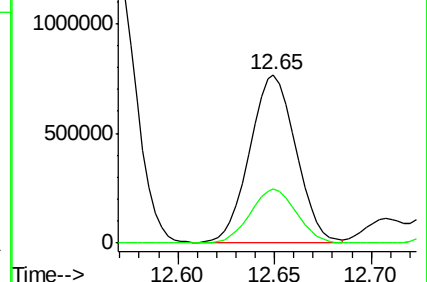
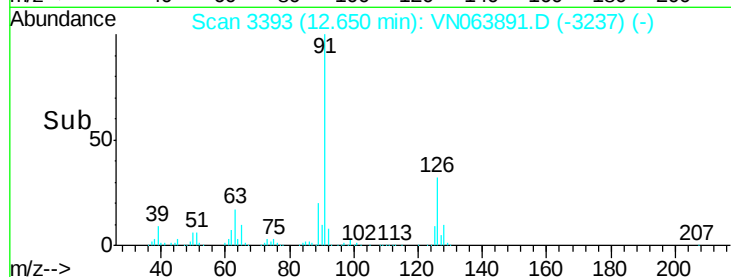
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN063891.D (-3237) (-)

Ion 126.00 (125.70 to 126.70): VN063891.D (-3237) (-)



#76

1,3,5-Trimethylbenzene

Concen: 110.238 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063891.D

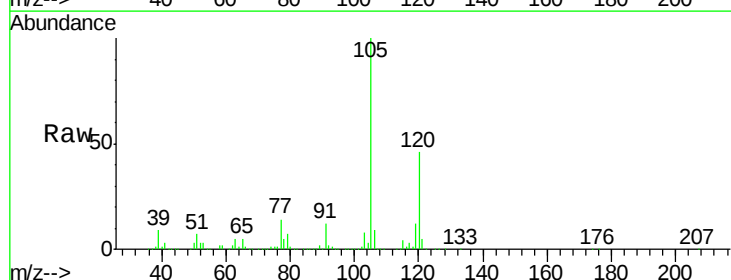
Acq: 6 Oct 2020 11:39

Tgt Ion: 105 Resp: 1528681

Ion Ratio Lower Upper

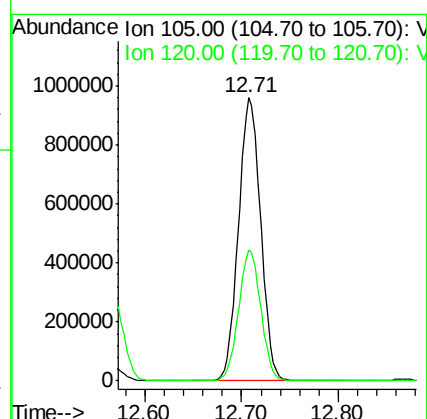
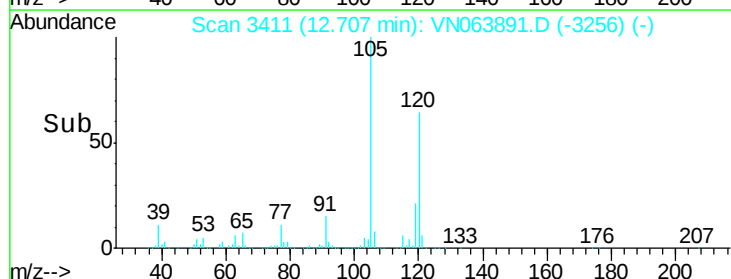
105 100

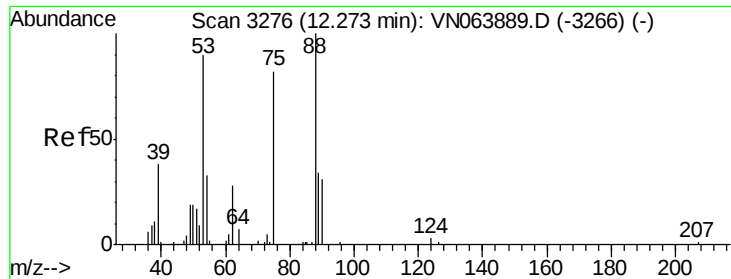
120 46.0 0.0 94.2



Abundance Ion 105.00 (104.70 to 105.70): VN063891.D (-3256) (-)

Ion 120.00 (119.70 to 120.70): VN063891.D (-3256) (-)





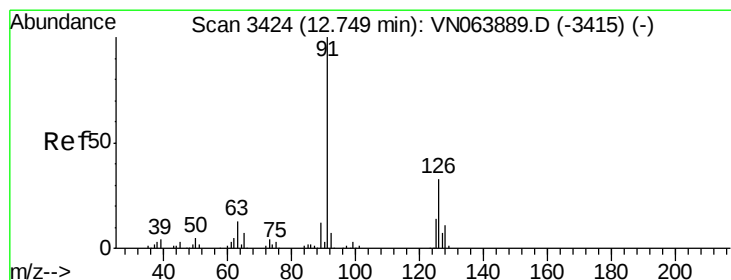
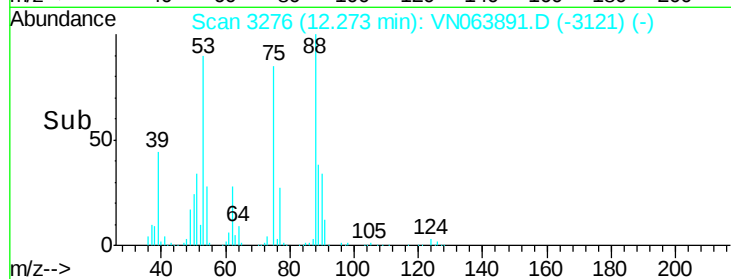
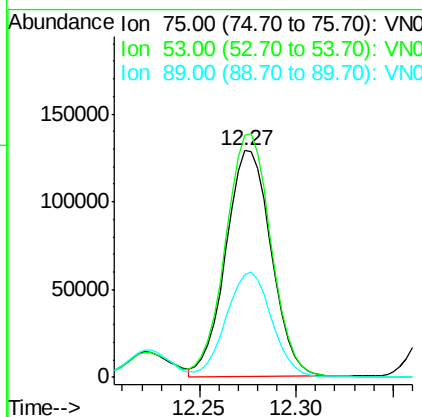
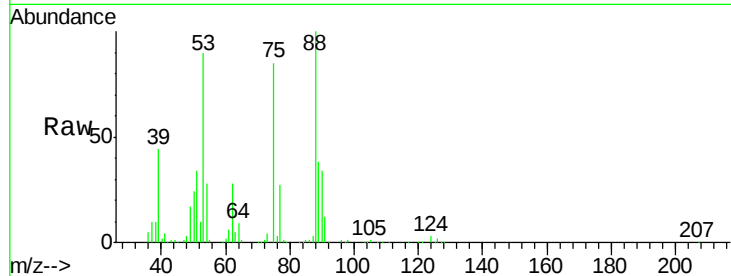
#77
t-1,4-Dichloro-2-butene
Concen: 124.792 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	55.3	165.9
89	45.4	21.9	65.8

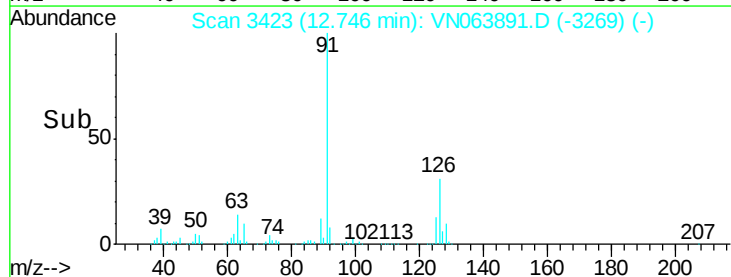
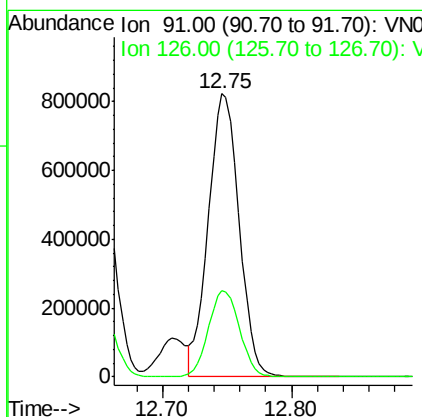
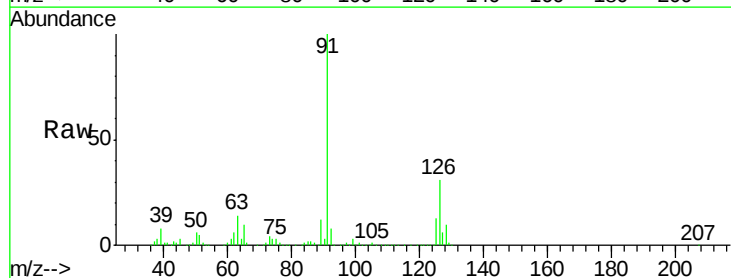
Manual Integrations
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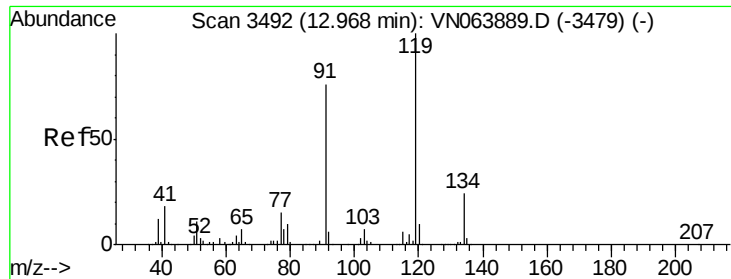
MMDadoda
10/7/2020 12:11:35 PM



#78
4-Chlorotoluene
Concen: 112.480 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	0.0	62.6





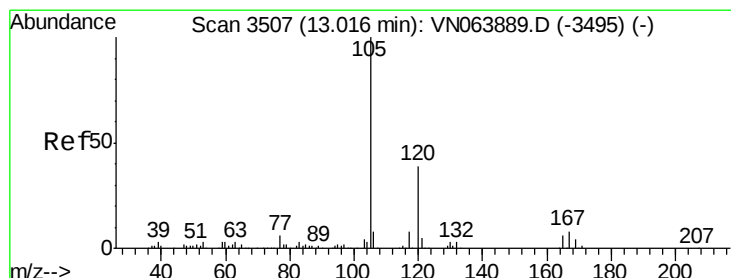
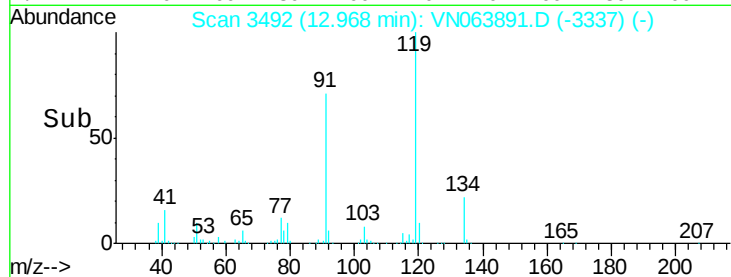
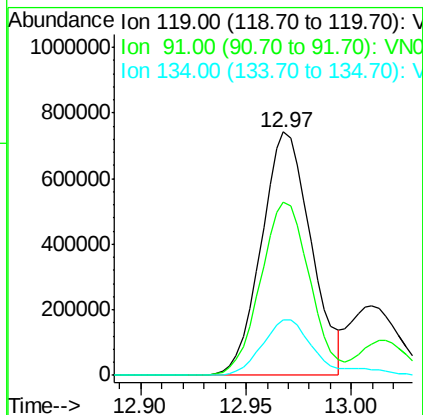
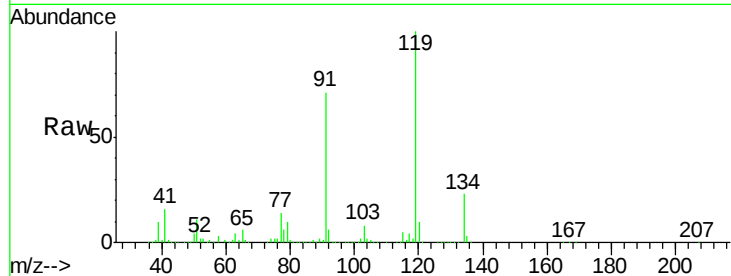
#79
tert-butylbenzene
Concen: 104.781 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	0.0	145.6
134	22.7	0.0	47.8

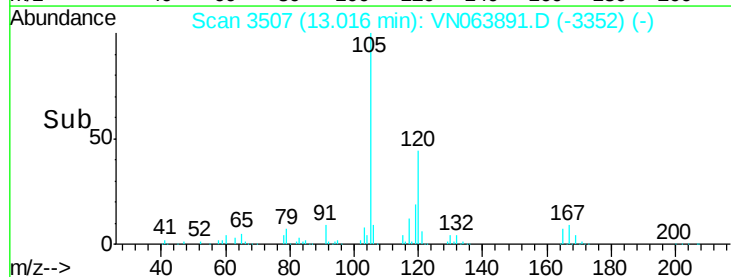
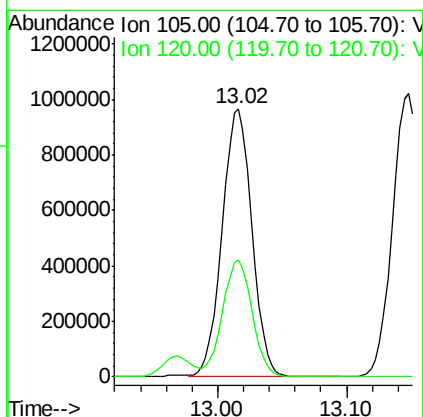
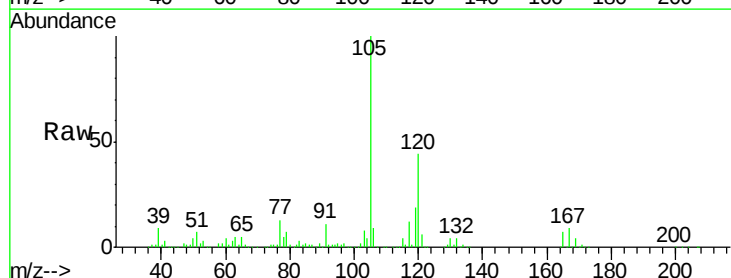
Manual Integrations
APPROVED

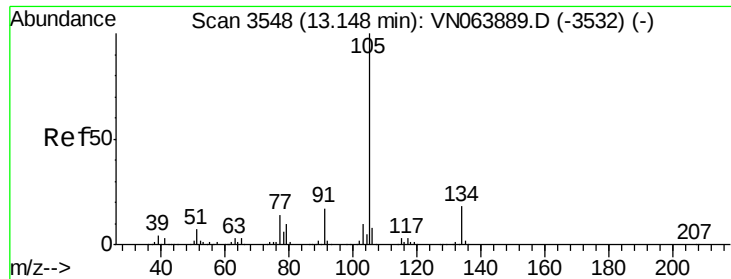
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 113.123 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	0.0	85.4





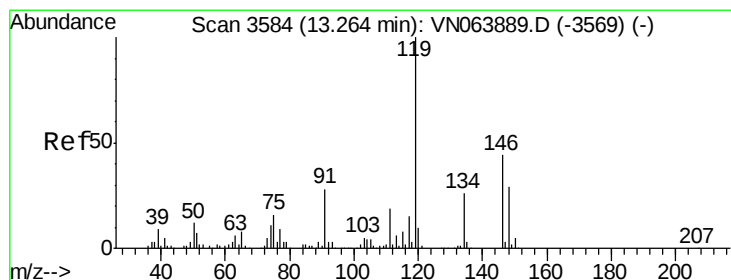
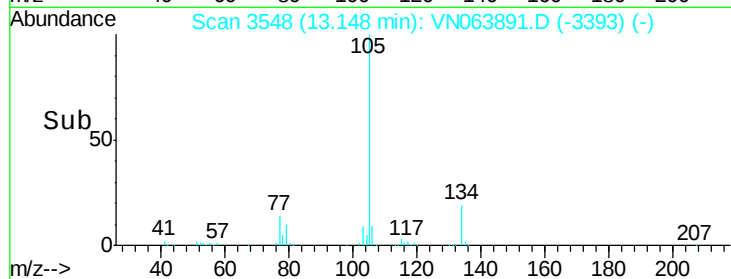
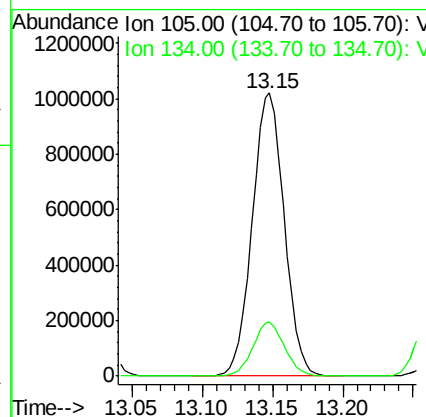
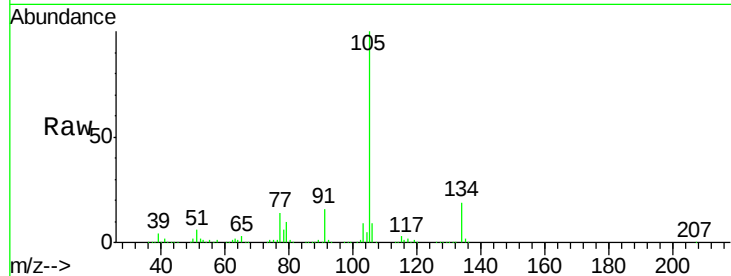
#81
 sec-Butylbenzene
 Concen: 102.311 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1620869
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 36.8

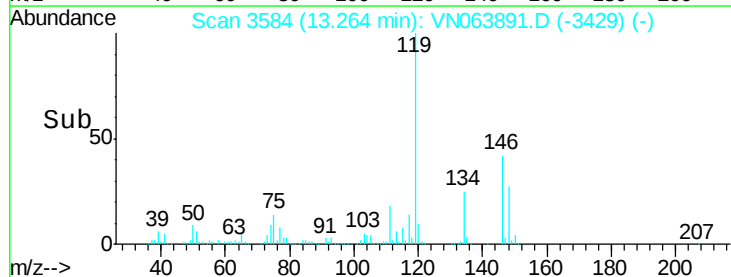
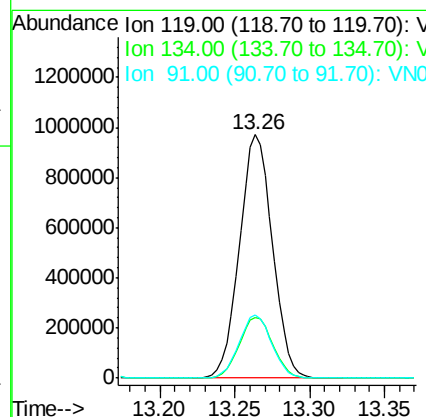
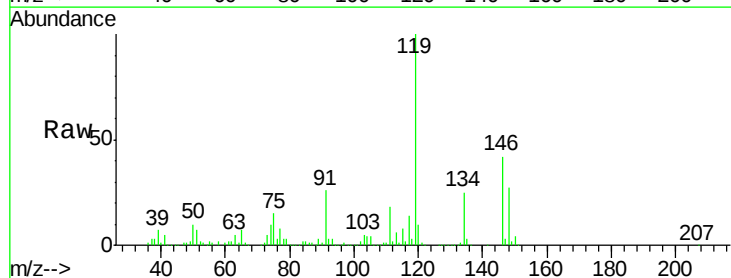
Manual Integrations
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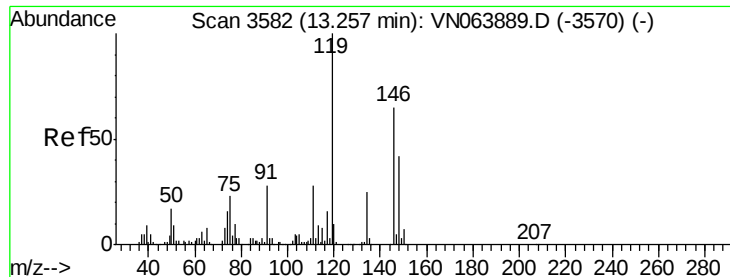
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#82
 p-Isopropyltoluene
 Concen: 105.482 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion:119 Resp: 1483995
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 50.6
 91 25.8 0.0 55.2





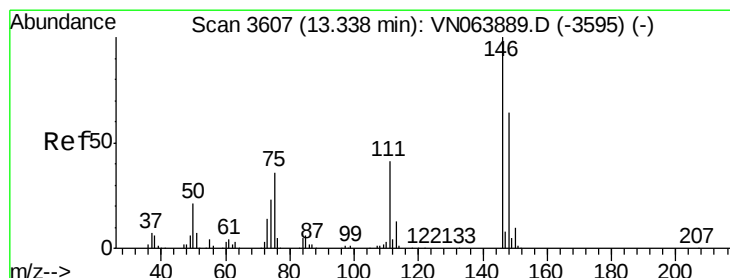
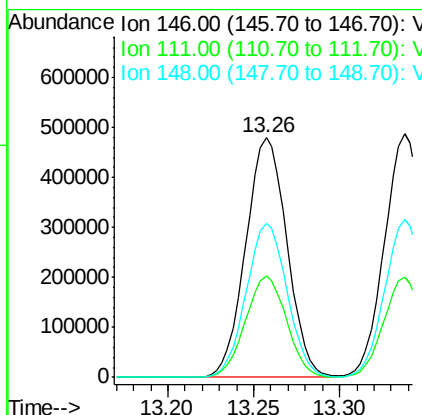
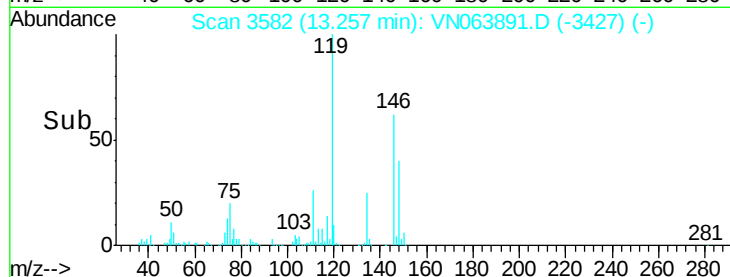
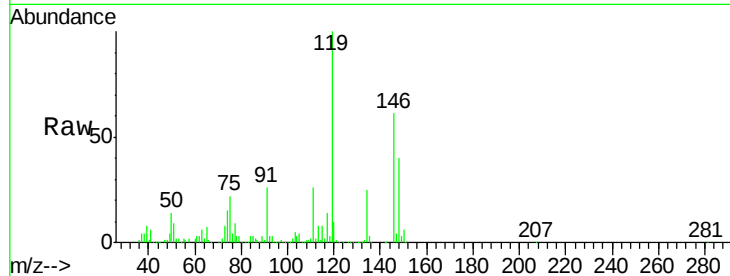
#83
 1,3-Dichlorobenzene
 Concen: 104.962 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	64.8
148	63.8	32.8	98.3

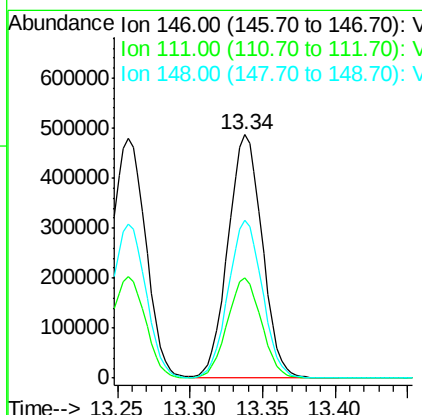
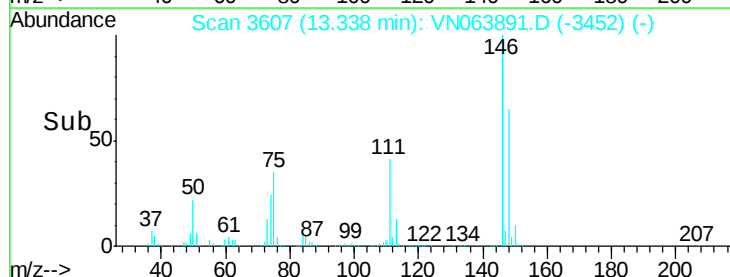
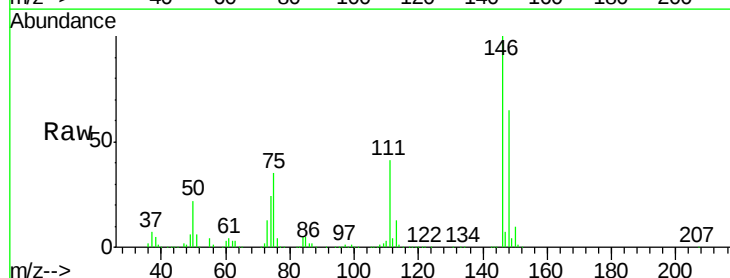
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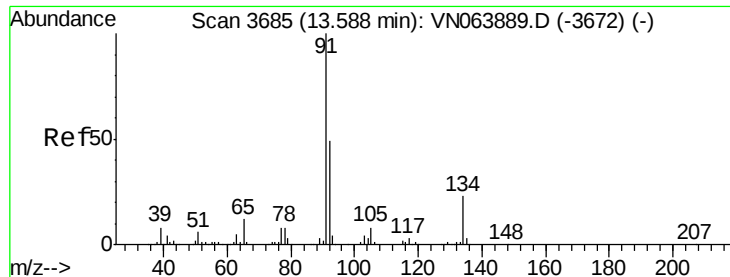
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#84
 1,4-Dichlorobenzene
 Concen: 106.593 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.4
148	64.6	32.6	98.0





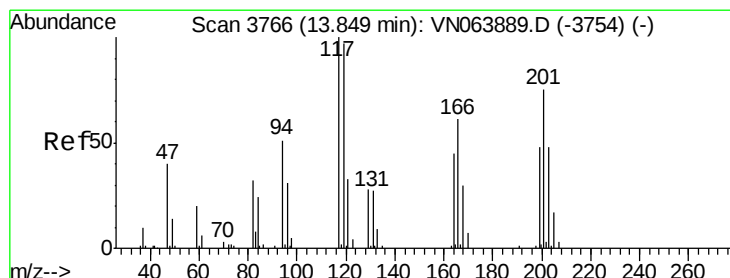
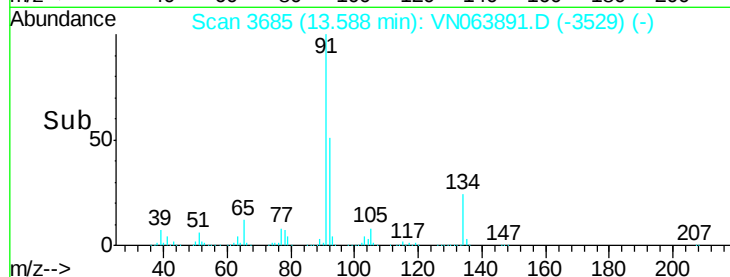
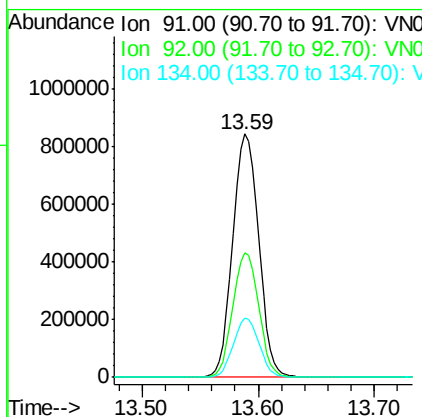
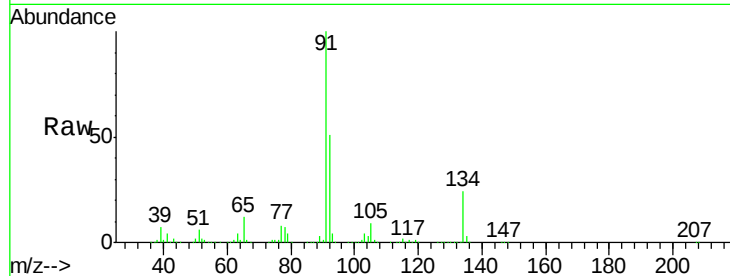
#85
n-Butylbenzene
Concen: 109.763 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1309769
Ion Ratio Lower Upper
91 100
92 51.0 0.0 98.2
134 23.9 0.0 45.8

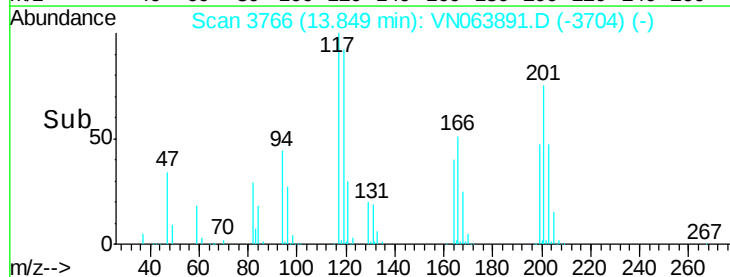
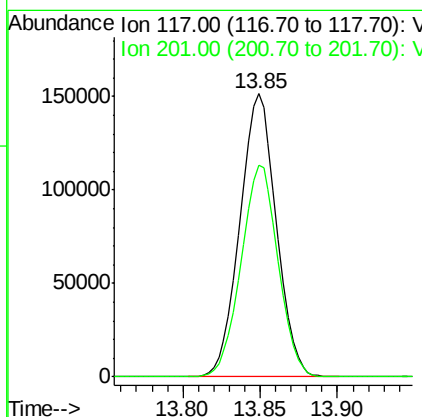
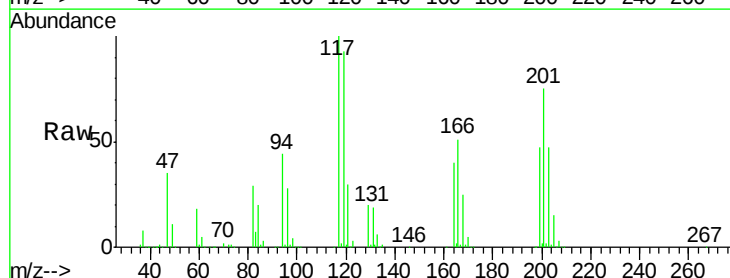
Manual Integrations
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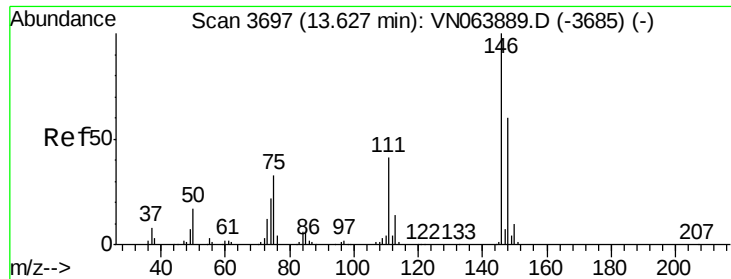
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#86
Hexachloroethane
Concen: 92.245 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion: 117 Resp: 248344
Ion Ratio Lower Upper
117 100
201 76.0 36.6 109.9





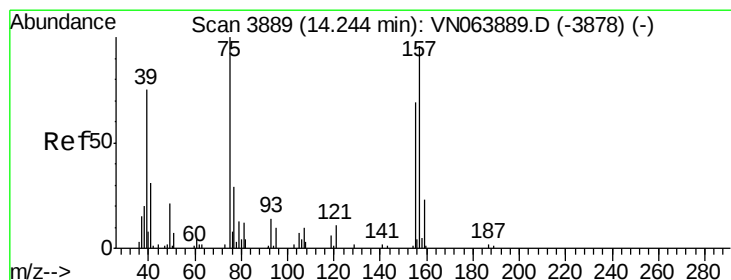
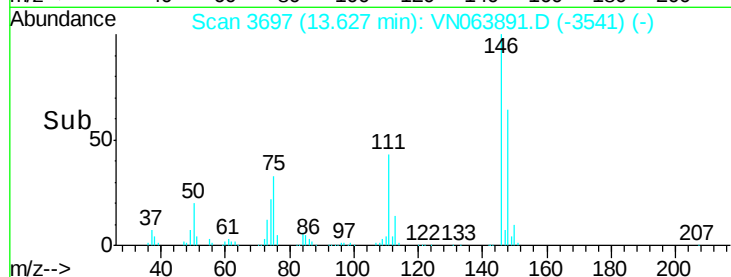
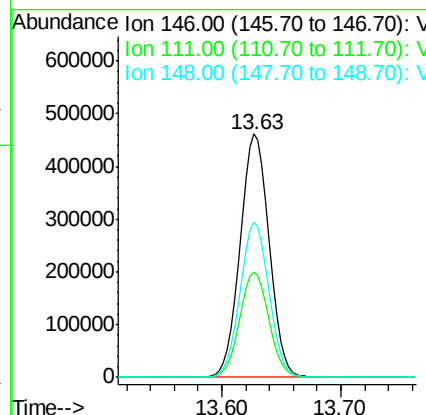
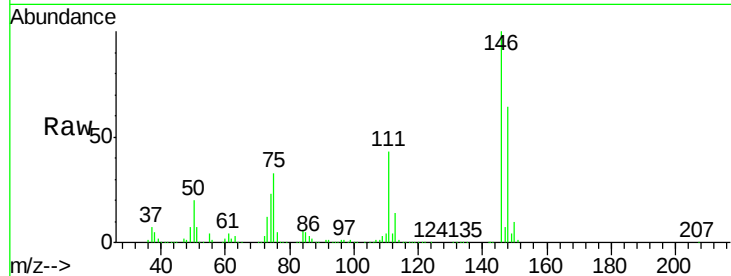
#87
 1,2-Dichlorobenzene
 Concen: 106.592 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.7
148	63.5	31.6	95.0

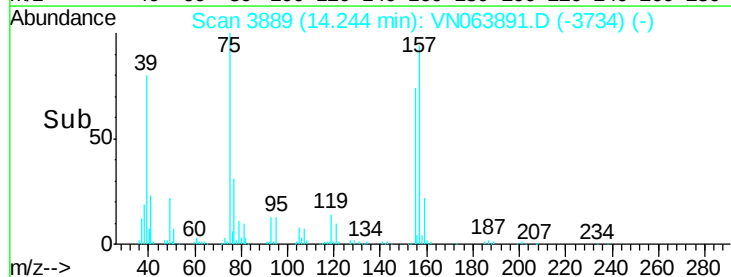
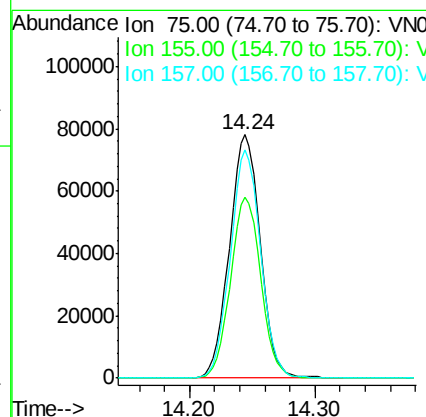
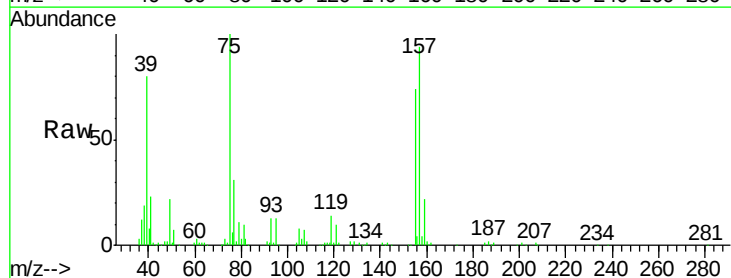
Manual Integrations
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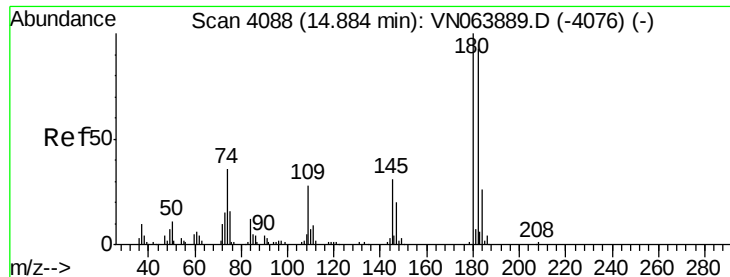
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 145.819 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN063891.D
 Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	55.4	83.2
157	92.0	73.6	110.4





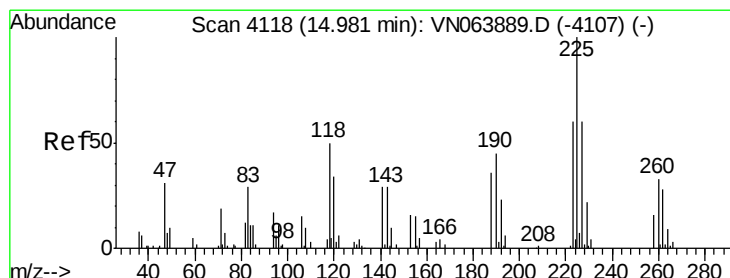
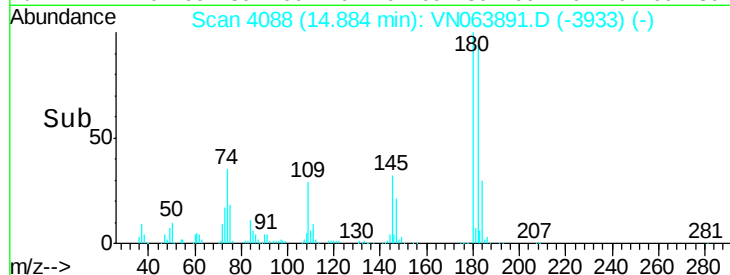
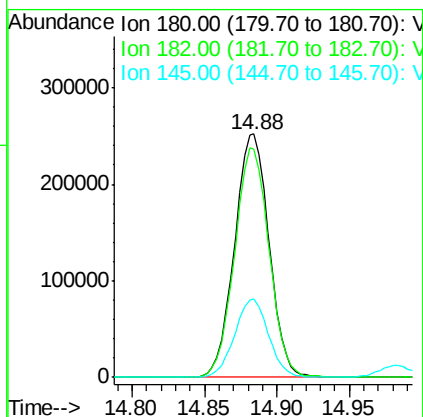
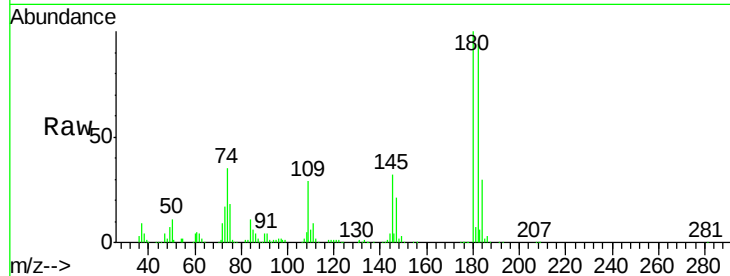
#89
1,2,4-Trichlorobenzene
Concen: 112.940 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
145	31.6	26.0	39.0

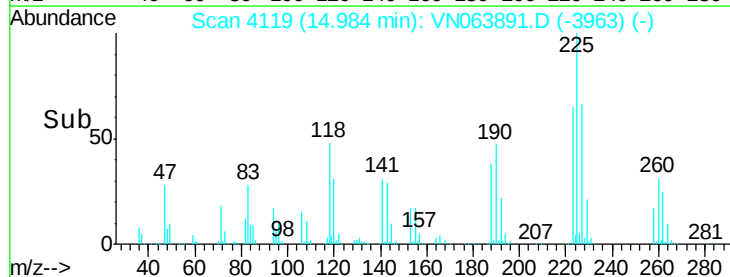
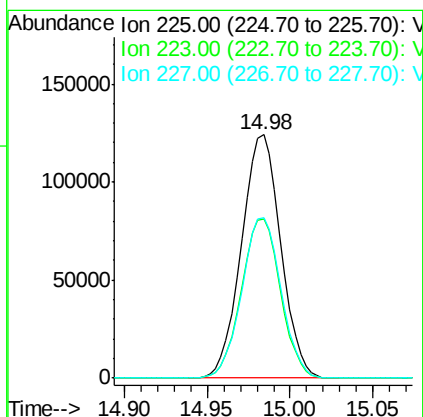
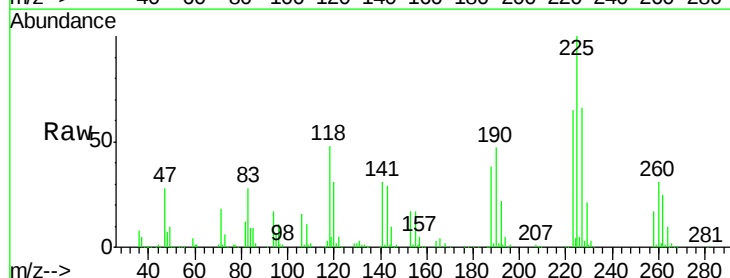
Manual Integrations
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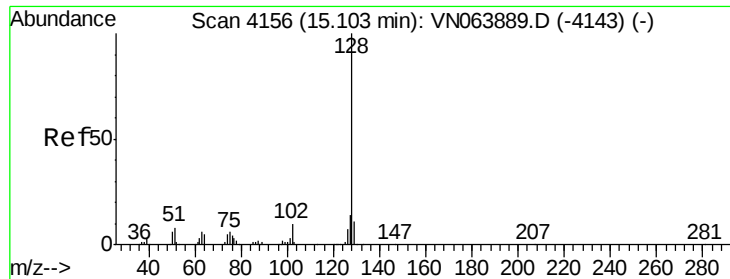
MMDadoda
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#90
Hexachlorobutadiene
Concen: 80.167 ug/l
RT: 14.98 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	0.0	124.8
227	65.8	0.0	121.4





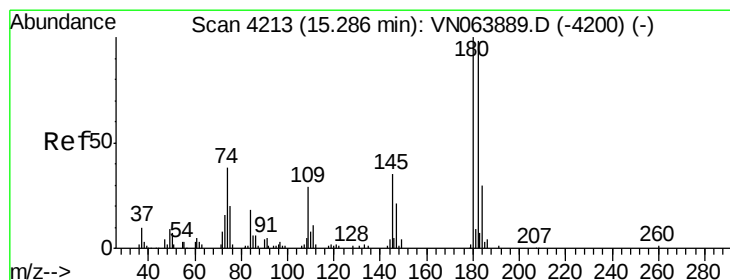
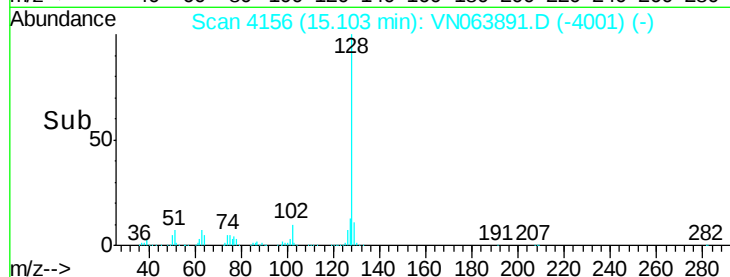
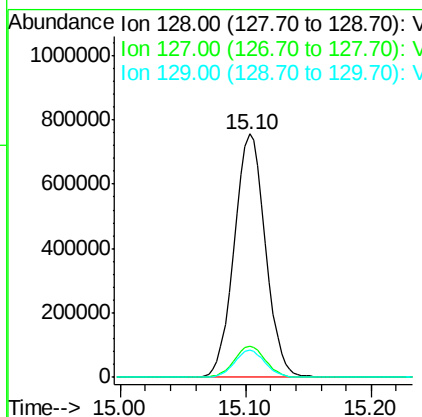
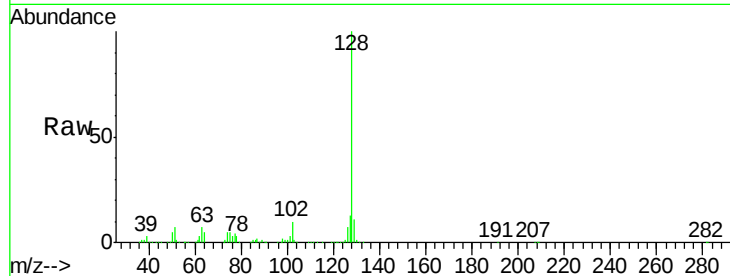
#91
Naphthalene
Concen: 146.414 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
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#92
1,2,3-Trichlorobenzene
Concen: 110.879 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063891.D
Acq: 6 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	0.0	196.0
145	33.6	0.0	71.0

