

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059108.D
 Acq On : 7 Nov 2019 8:51
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:38:59 AM

Quant Time: Nov 08 01:22:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	74659	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.56	114	420388	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	377957	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	177485	28.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.37%
60) 4-Bromofluorobenzene	12.40	95	190979	28.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.30%
63) Toluene-d8	10.08	98	531431	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	84675	20.932	ug/l 100
3) Chloromethane	2.04	50	119943	22.198	ug/l 99
4) Vinyl Chloride	2.17	62	123166	22.055	ug/l 96
5) Bromomethane	2.55	94	72892	21.140	ug/l 96
6) Chloroethane	2.68	64	73564	20.957	ug/l 97
7) Trichlorofluoromethane	3.00	101	153445	22.323	ug/l 98
8) Diethyl Ether	3.38	74	63577	24.251	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93675	23.552	ug/l 96
10) 1,1-Dichloroethene	3.71	96	90090	23.063	ug/l 95
11) Methyl Iodide	3.93	142	107654	19.789	ug/l 97
12) Methyl Acetate	4.29	43	140399	22.464	ug/l 99
13) Acrolein	3.58	56	96228	139.349	ug/l 99
14) Acrylonitrile	4.95	53	281161	114.173	ug/l 97
15) Acetone	3.79	58	133727	182.940	ug/l 86
16) Carbon Disulfide	4.03	76	257928	22.638	ug/l 99
17) Allyl chloride	4.29	41	167107	21.493	ug/l 89
18) Methylene Chloride	4.52	84	108093	22.851	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	97935	23.029	ug/l 87
20) Diisopropyl ether	5.92	45	366774	23.154	ug/l 95
21) 1,1-Dichloroethane	5.82	63	199184	22.707	ug/l 99
22) cis-1,2-Dichloroethene	6.80	96	115325	22.745	ug/l 97
23) tert-Butyl Alcohol	4.75	59	106994	106.223	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	324503	22.267	ug/l 94
25) Chloroform	7.34	83	194672	22.252	ug/l 95
26) Cyclohexane	7.63	56	172028	22.343	ug/l # 96
29) 1,1-Dichloropropene	7.77	75	143276	21.651	ug/l 98
30) 2-Butanone	6.80	43	468044	125.160	ug/l 100
31) 2,2-Dichloropropane	6.79	77	172472	22.112	ug/l 100
32) 1,1,1-Trichloroethane	7.54	97	161858	21.148	ug/l 98
33) Carbon Tetrachloride	7.75	117	139747	21.094	ug/l 98
34) Benzene	8.02	78	436340	22.397	ug/l 97
35) Methacrylonitrile	7.14	41	65132	19.716	ug/l 87
36) 1,2-Dichloroethane	8.10	62	151965	20.402	ug/l 98
37) Trichloroethene	8.81	130	106299	22.210	ug/l 99
38) Methylcyclohexane	9.06	83	164946	21.498	ug/l 99
39) 1,2-Dichloropropane	9.10	63	121098	22.745	ug/l 99
40) Dibromomethane	9.19	93	72848	21.674	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	149277	21.740	ug/l	99
42) Vinyl Acetate	5.86	43	1483716	113.289	ug/l	100
43) Ethyl Acetate	6.90	43	152886	20.830	ug/l #	92
44) Isopropyl Acetate	8.14	43	245112	20.617	ug/l	91
45) 1,4-Dioxane	9.18	88	40406	442.598	ug/l	96
46) Methyl methacrylate	9.18	41	110096	20.171	ug/l	95
47) n-amyl Acetate	12.07	43	190472	18.072	ug/l	97
48) t-1,3-Dichloropropene	10.37	75	171434	21.528	ug/l	98
49) cis-1,3-Dichloropropene	9.82	75	184593	22.075	ug/l	95
50) 1,1,2-Trichloroethane	10.55	97	105847	22.060	ug/l	98
51) Ethyl methacrylate	10.42	69	155029	20.206	ug/l	95
52) 1,3-Dichloropropane	10.70	76	185269	21.682	ug/l	99
53) Dibromochloromethane	10.89	129	112746	21.896	ug/l	98
54) 1,2-Dibromoethane	11.00	107	105899	21.294	ug/l	98
55) 2-Chloroethyl vinyl ether	9.68	63	349434	91.561	ug/l	100
56) Bromoform	12.12	173	78832	21.977	ug/l	99
58) 4-Methyl-2-Pentanone	9.97	43	762646	110.610	ug/l	98
59) 2-Hexanone	10.74	43	610385	112.921	ug/l	97
61) Tetrachloroethene	10.62	164	94980	23.255	ug/l	97
62) Toluene	10.14	91	454022	22.332	ug/l	99
64) Chlorobenzene	11.43	112	277695	22.341	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.50	131	104106	22.337	ug/l	98
66) Ethyl Benzene	11.51	91	496738	22.066	ug/l	100
67) m/p-Xylenes	11.62	106	364371	43.323	ug/l	99
68) o-Xylene	11.95	106	176138	21.603	ug/l	99
69) Styrene	11.96	104	278634	20.686	ug/l	100
70) Isopropylbenzene	12.25	105	482442	21.916	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157398	21.239	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	147544m	21.972	ug/l	
73) Bromobenzene	12.53	156	114367	21.390	ug/l	100
74) n-propylbenzene	12.59	91	557786	21.648	ug/l	100
75) 2-Chlorotoluene	12.67	91	335828	21.663	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	409037	21.695	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	53478	20.905	ug/l	94
78) 4-Chlorotoluene	12.77	91	333794	20.891	ug/l	98
79) tert-butylbenzene	12.99	119	345908	21.474	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	395884	21.131	ug/l	100
81) sec-Butylbenzene	13.17	105	458441	21.148	ug/l	99
82) p-Isopropyltoluene	13.29	119	407030	20.909	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	199622	20.632	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	191577	19.824	ug/l	99
85) n-Butylbenzene	13.62	91	336382	18.874	ug/l	99
86) Hexachloroethane	13.88	117	77459	21.865	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	195867	20.506	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29923	18.141	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	99125	16.436	ug/l	99
90) Hexachlorobutadiene	15.01	225	66573	21.376	ug/l	99
91) Naphthalene	15.13	128	264138	14.834	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	102271	17.420	ug/l	98

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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

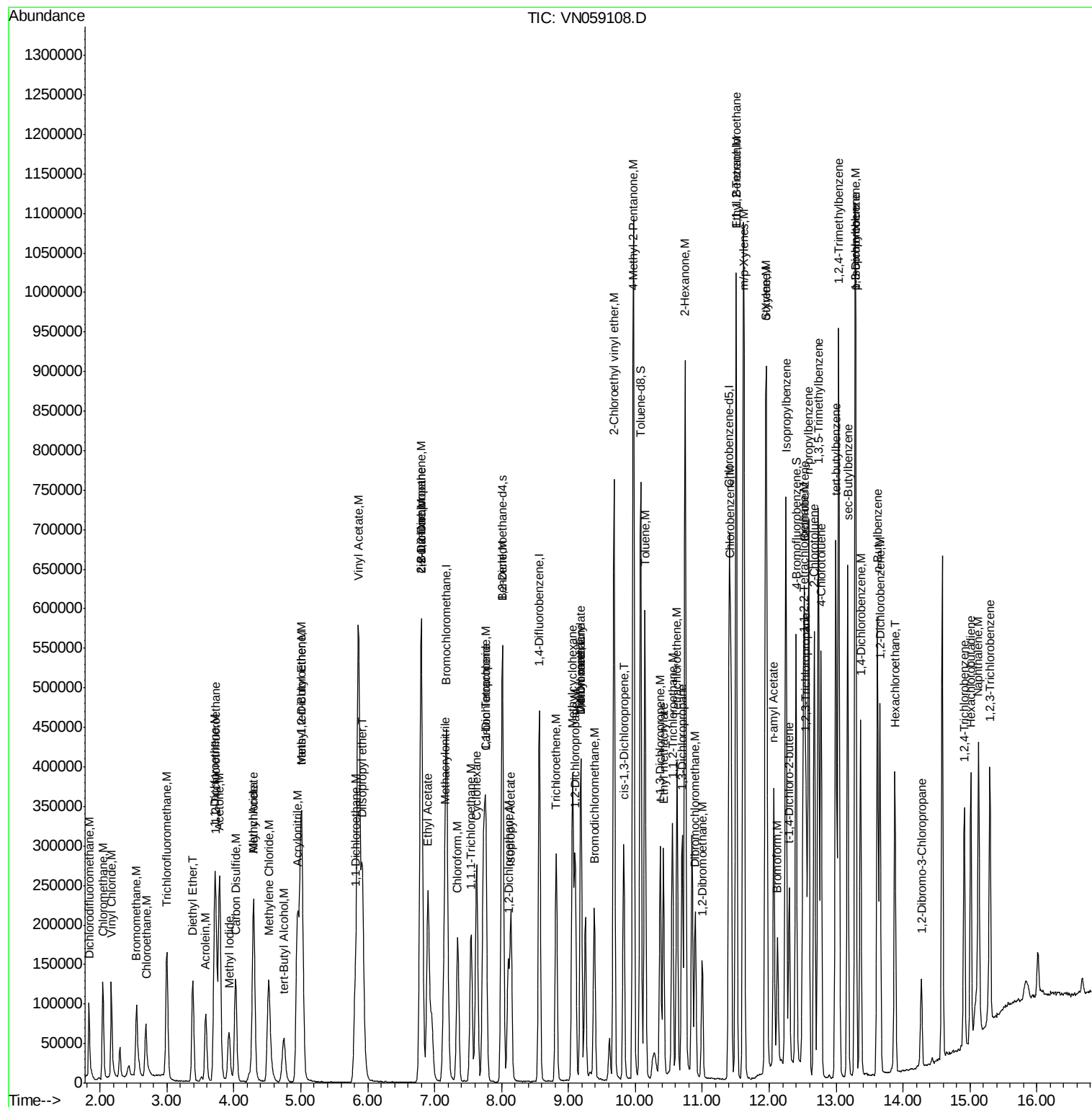
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
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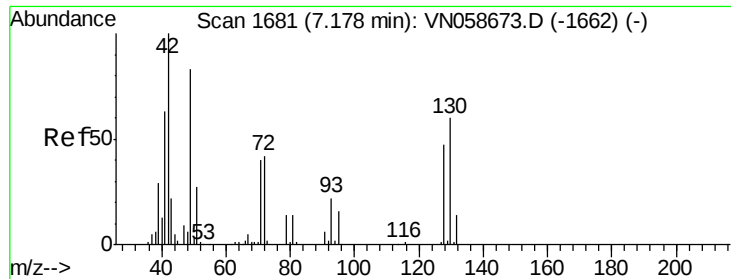
Instrument :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:128 Resp: 74659

Ion Ratio Lower Upper

128 100

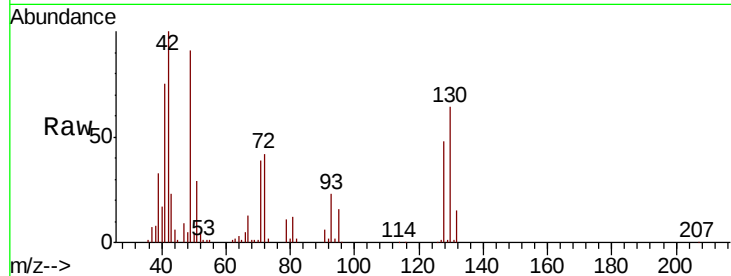
49 184.1 0.0 453.5

130 129.6 0.0 314.2

Manual Integrations
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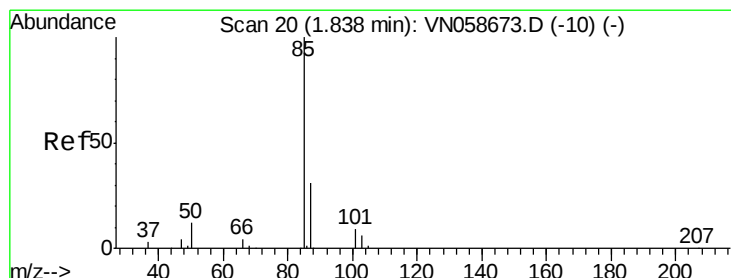
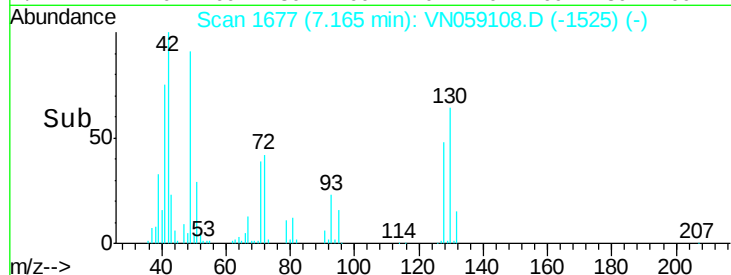
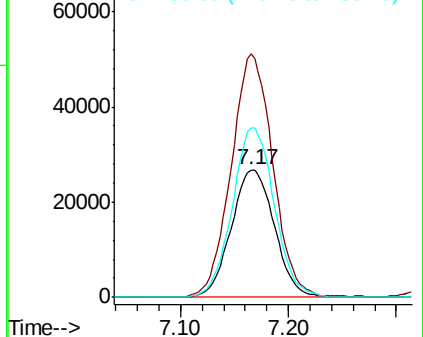
11/8/2019 9:38:59 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.932 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059108.D

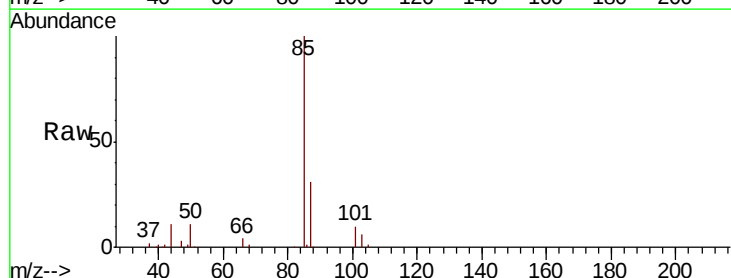
Acq: 7 Nov 2019 8:51

Tgt Ion: 85 Resp: 84675

Ion Ratio Lower Upper

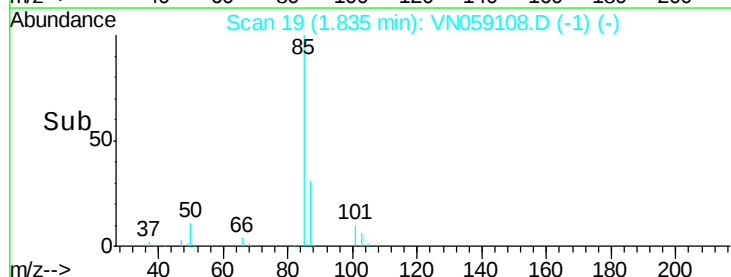
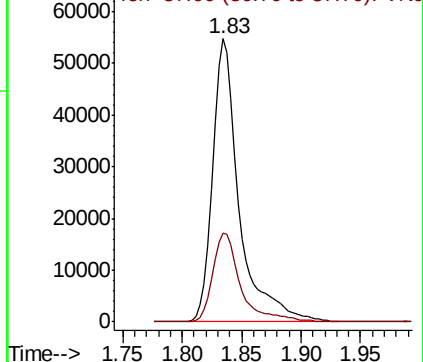
85 100

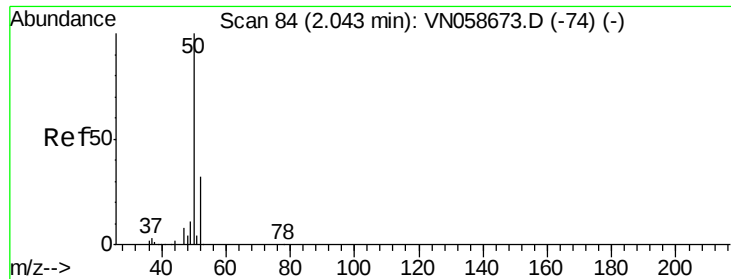
87 31.4 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 22.198 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tot Ion: 50 Resp: 119943

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.8

Instrument :

MSVOA_N

ClientSampleId :

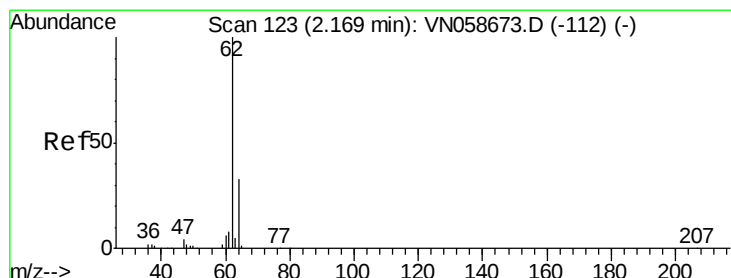
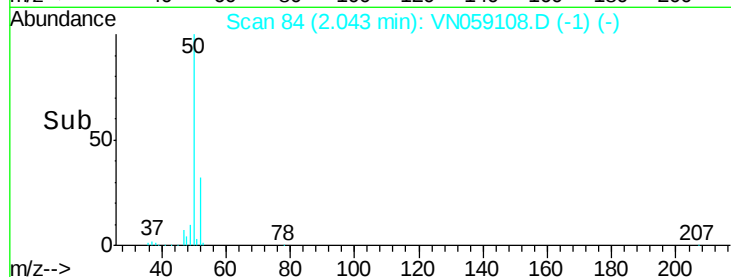
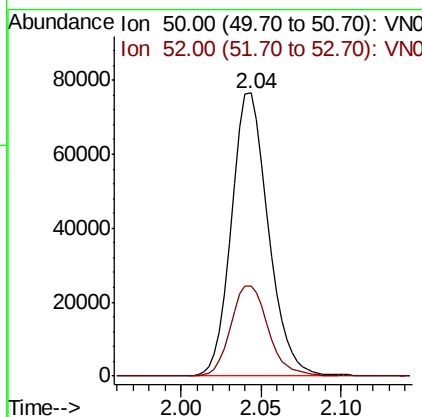
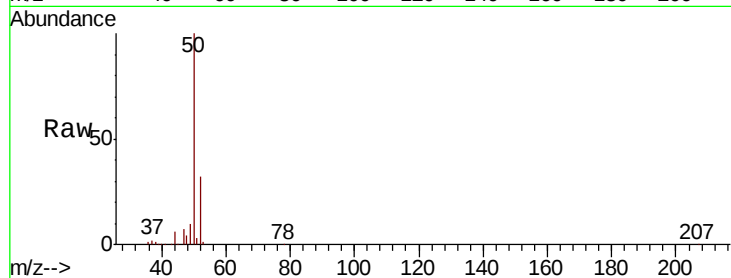
VSTDCCC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.055 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059108.D

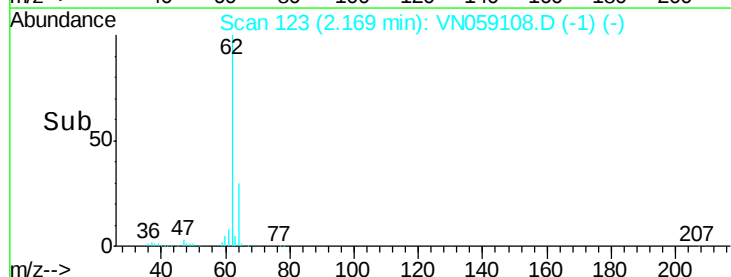
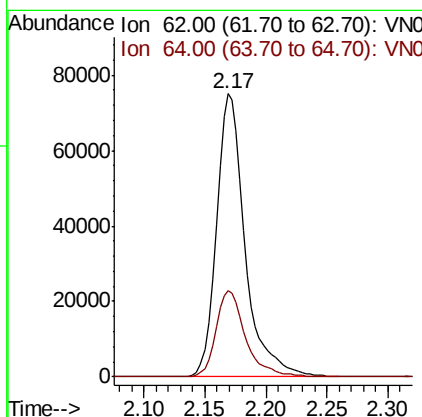
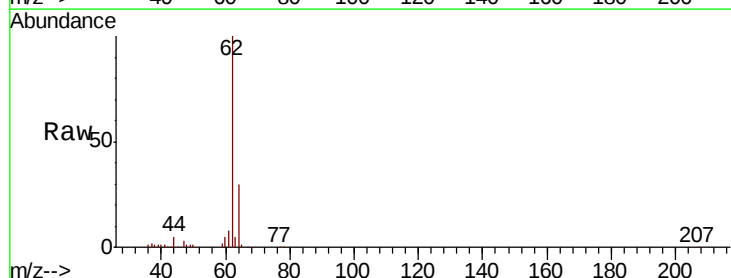
Acq: 7 Nov 2019 8:51

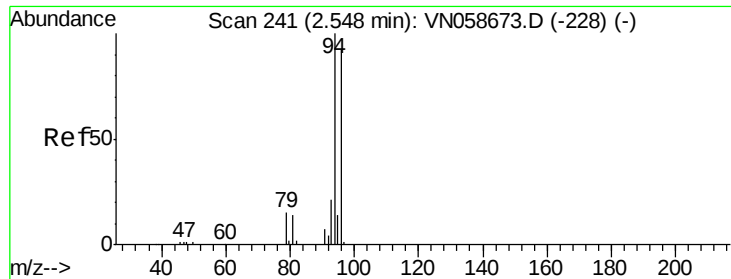
Tgt Ion: 62 Resp: 123166

Ion Ratio Lower Upper

62 100

64 30.3 26.1 39.1





#5

Bromomethane

Concen: 21.140 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 72892

Ion Ratio Lower Upper

94 100

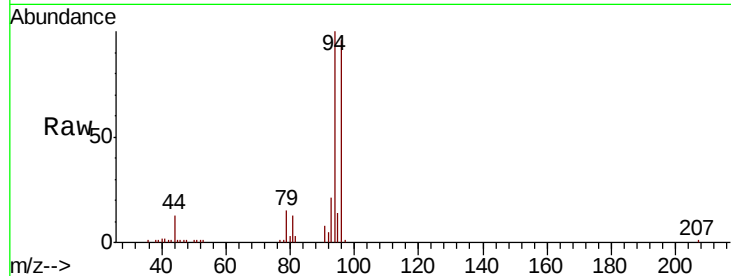
96 95.5 73.7 110.5

Manual Integrations

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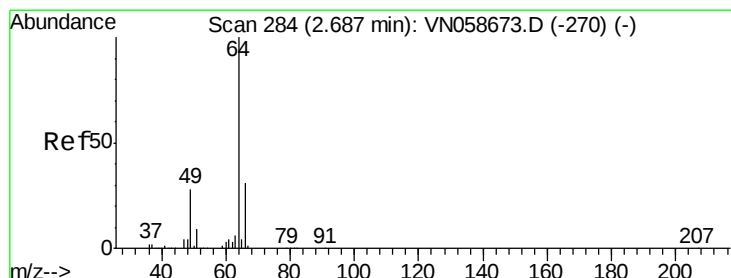
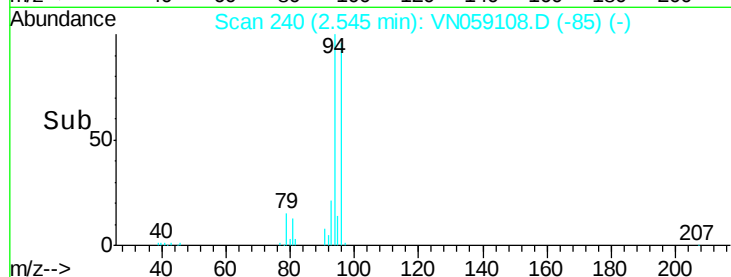
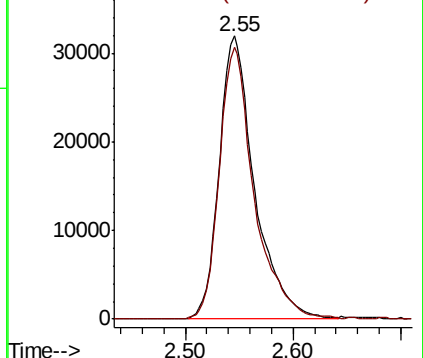
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 20.957 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059108.D

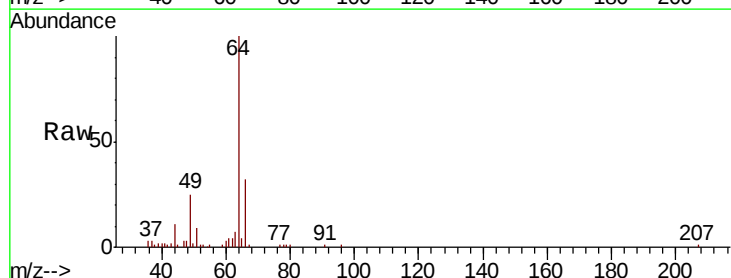
Acq: 7 Nov 2019 8:51

Tgt Ion: 64 Resp: 73564

Ion Ratio Lower Upper

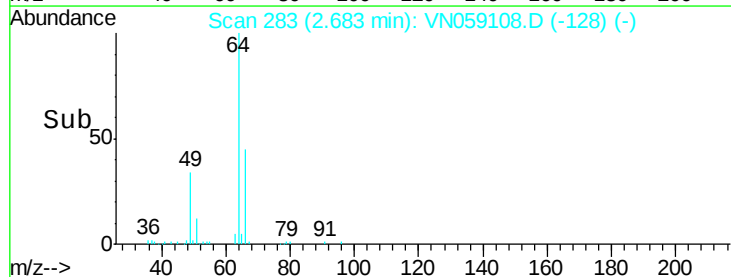
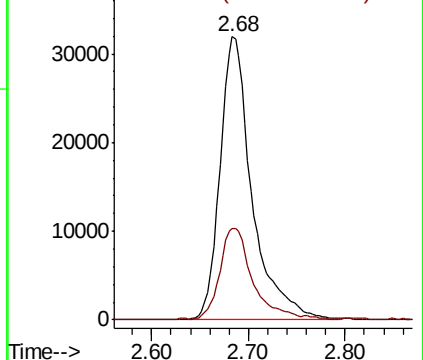
64 100

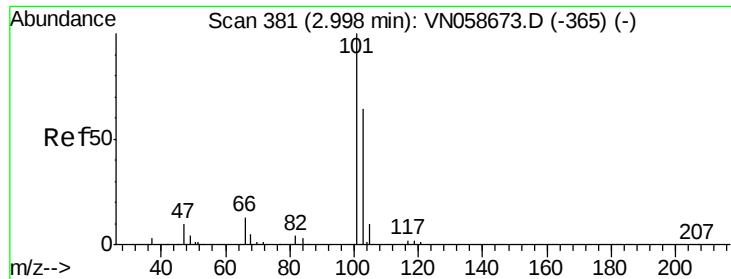
66 32.5 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

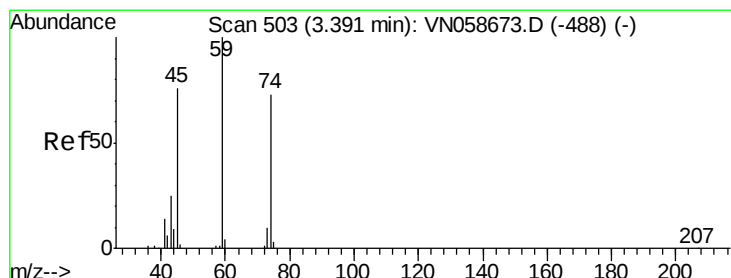
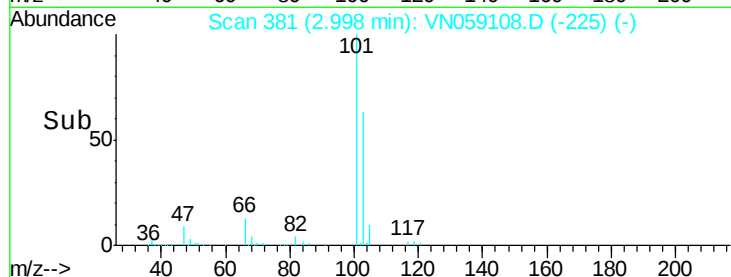
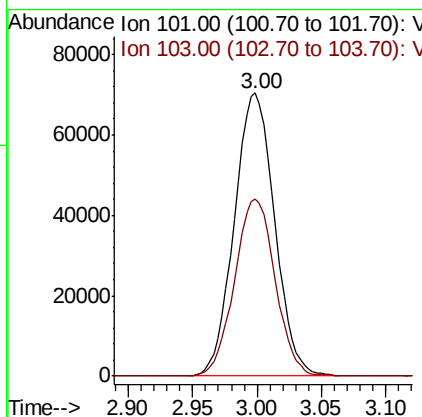
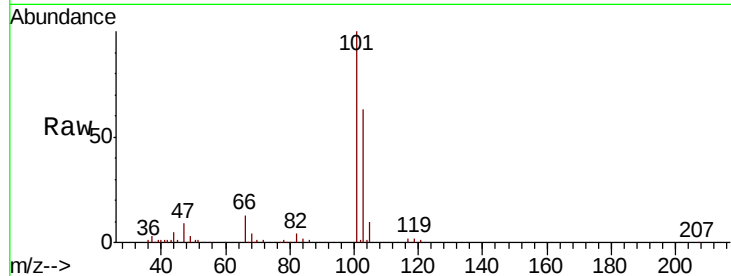
Trichlorofluoromethane
Concen: 22.323 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	153445		
103	62.7	51.5	77.3	

Manual Integrations
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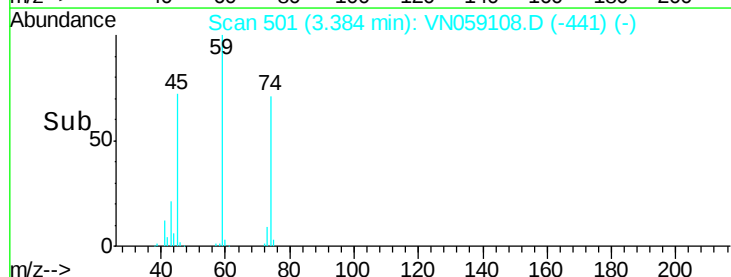
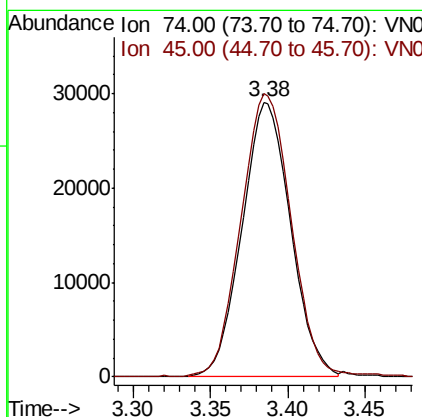
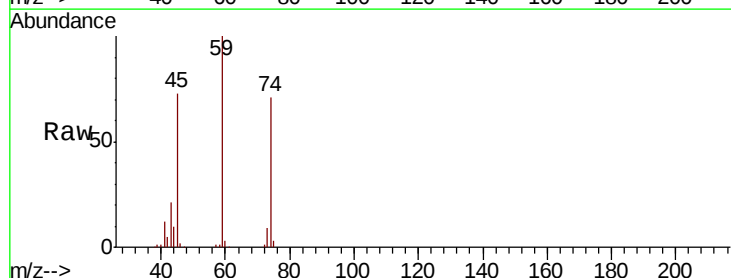
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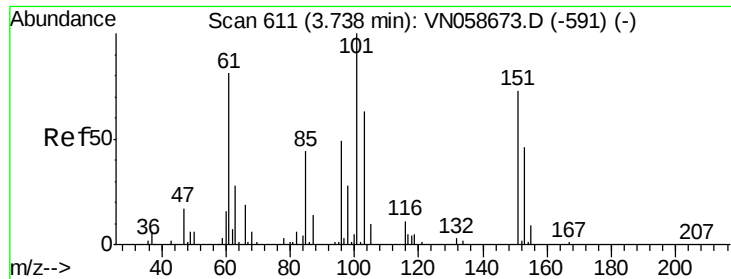


#8

Diethyl Ether
Concen: 24.251 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	63577		
45	106.6	20.6	185.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.552 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

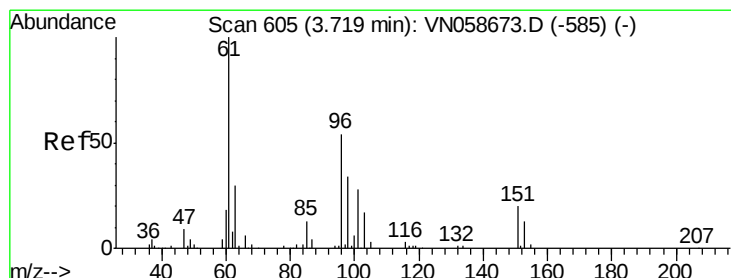
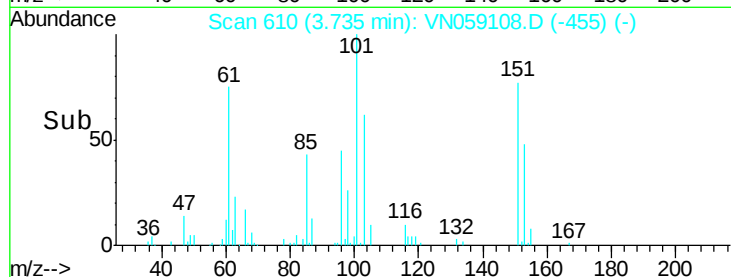
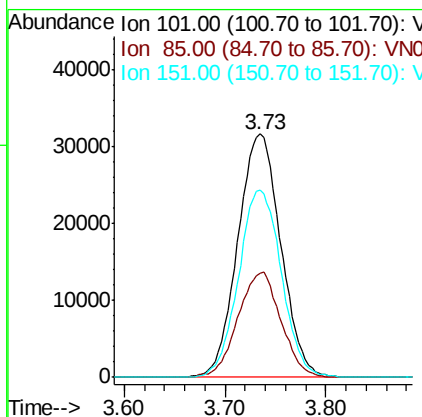
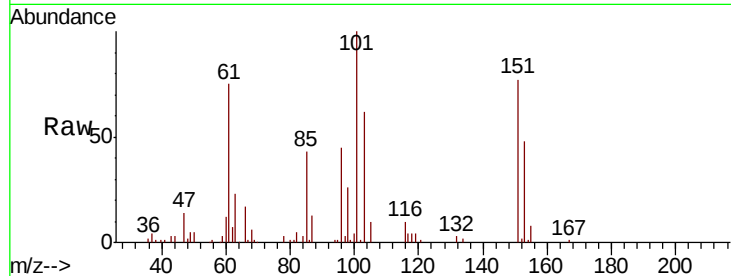
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	93675
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	93.8
151	76.7	0.0	149.6

Manual Integrations
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11/8/2019 9:38:59 AM



#10

1,1-Dichloroethene

Concen: 23.063 ug/l

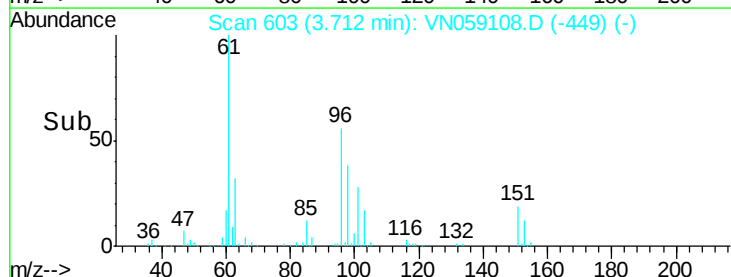
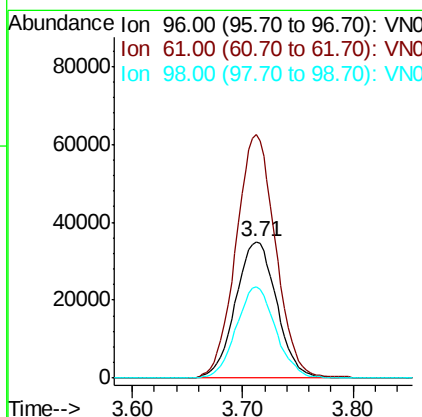
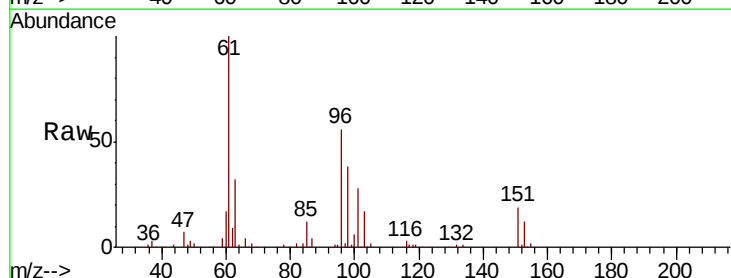
RT: 3.71 min Scan# 603

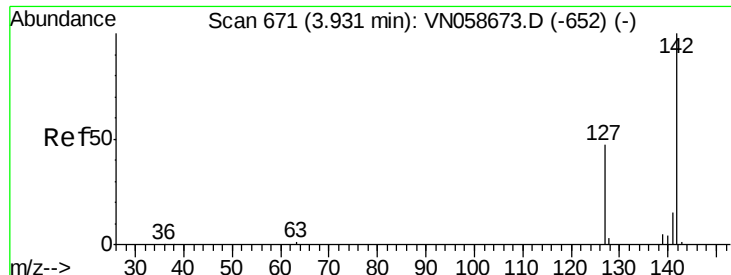
Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tgt Ion:	96	Resp:	90090
Ion Ratio	Lower	Upper	
96	100		
61	178.6	148.5	222.7
98	67.3	51.0	76.6





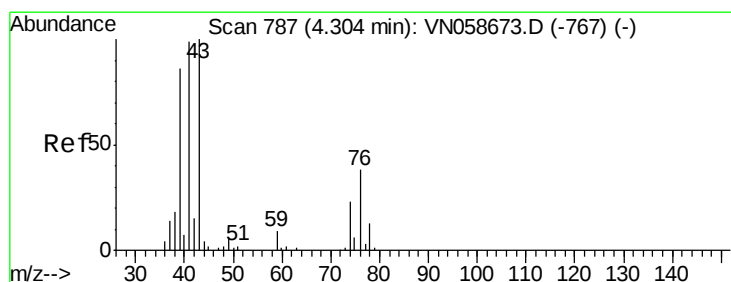
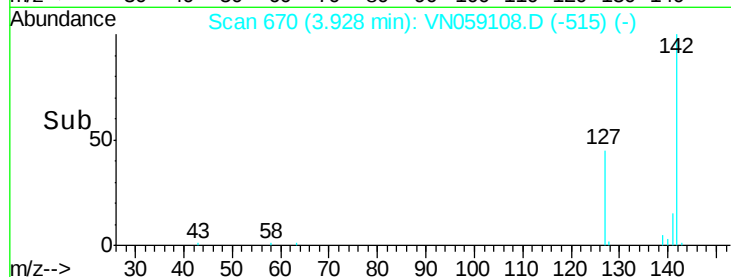
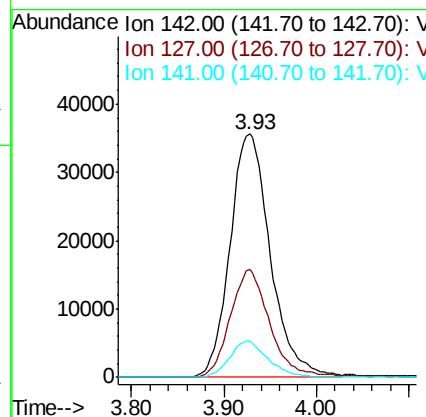
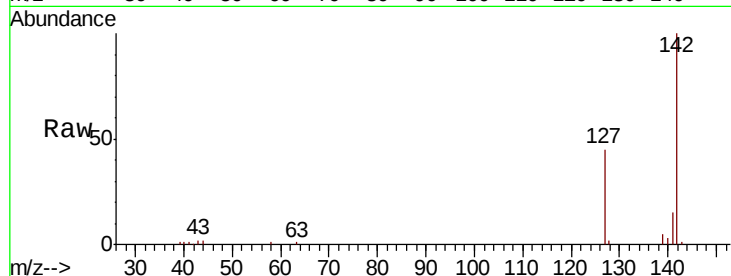
#11
Methyl Iodide
Concen: 19.789 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.5	23.5	70.6
141	14.7	7.4	22.2

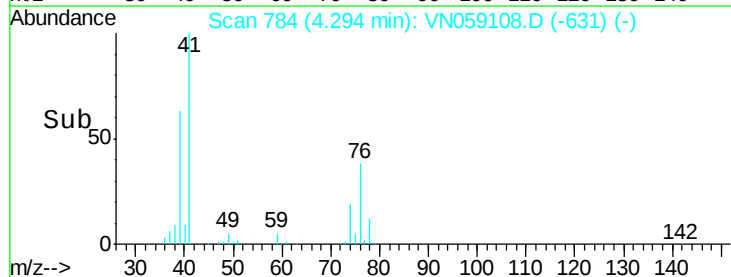
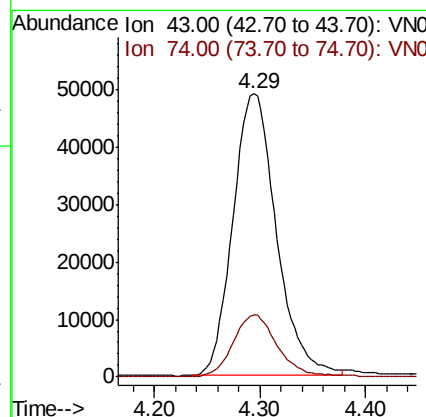
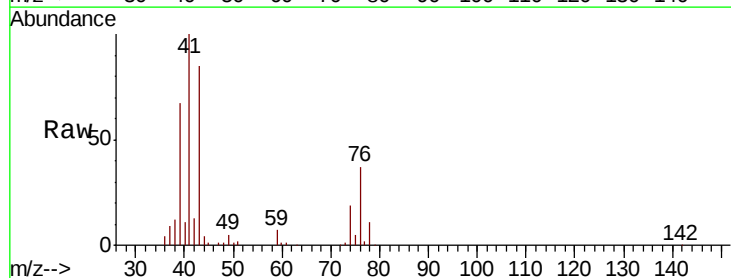
Manual Integrations
APPROVED

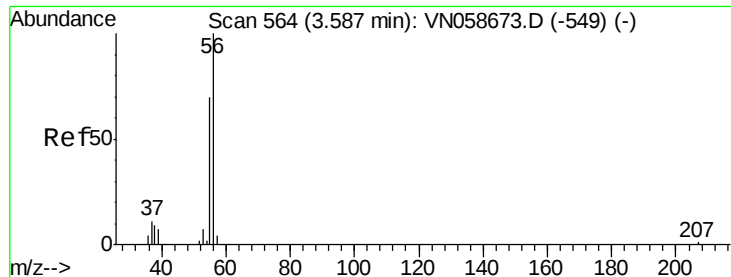
MMDadoda
11/8/2019 9:38:59 AM



#12
Methyl Acetate
Concen: 22.464 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.1	27.1





#13

Acrolein

Concen: 139.349 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 96228

Ion Ratio Lower Upper

56 100

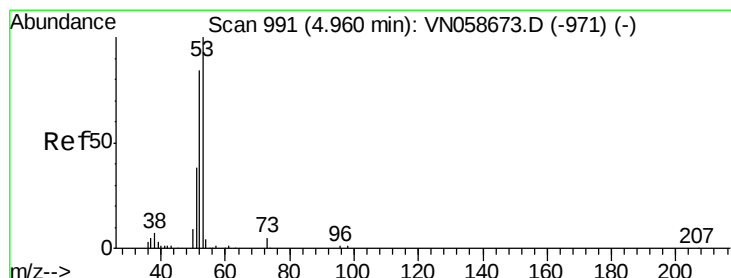
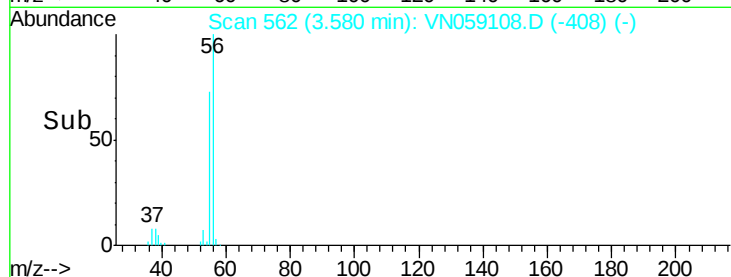
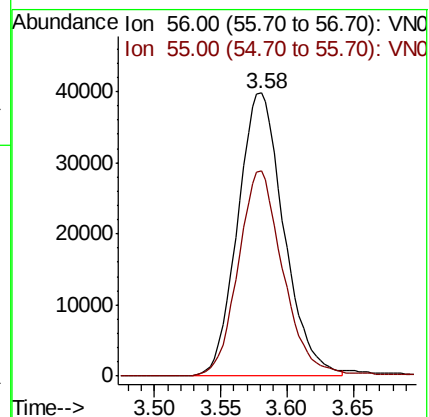
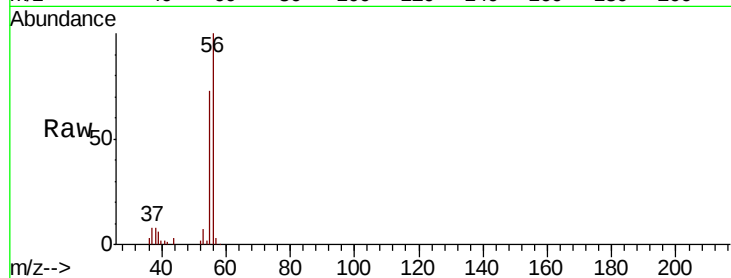
55 70.7 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

11/8/2019 9:38:59 AM



#14

Acrylonitrile

Concen: 114.173 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

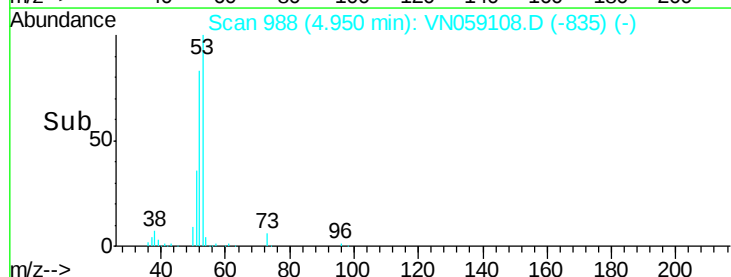
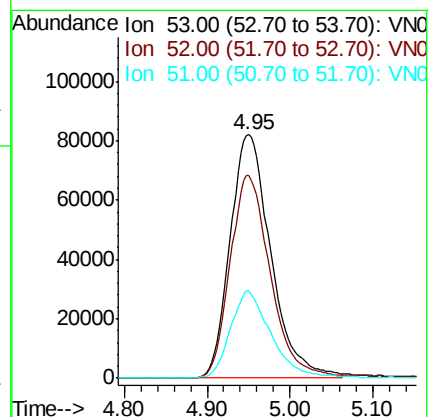
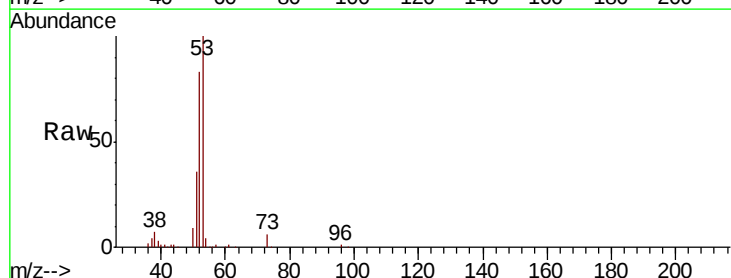
Tgt Ion: 53 Resp: 281161

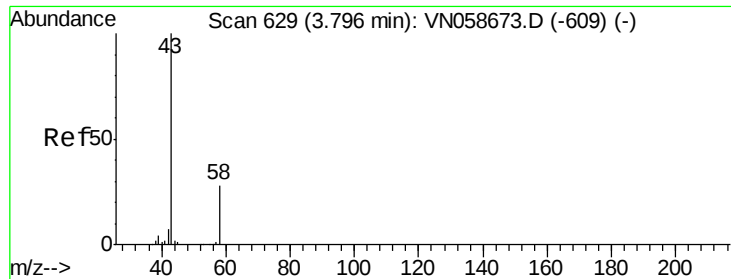
Ion Ratio Lower Upper

53 100

52 82.2 42.2 126.6

51 35.2 18.8 56.4





#15

Acetone

Concen: 182.940 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tot Ion: 58 Resp: 133727

Ion Ratio Lower Upper

58 100

43 321.5 281.7 422.5

Instrument :

MSVOA_N

ClientSampleId :

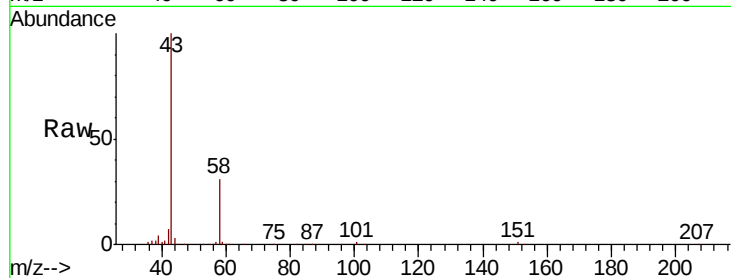
VSTDCCC020

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN058673.D (-609) (-)

Ion 43.00 (42.70 to 43.70): VN058673.D (-609) (-)

150000

100000

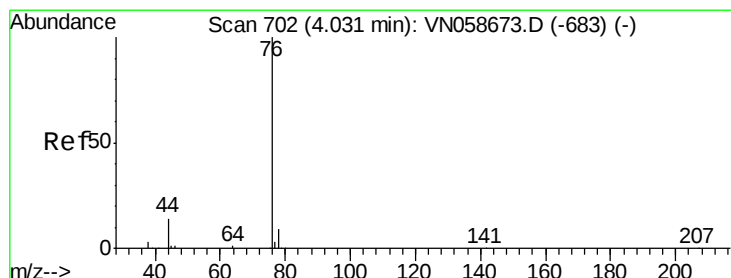
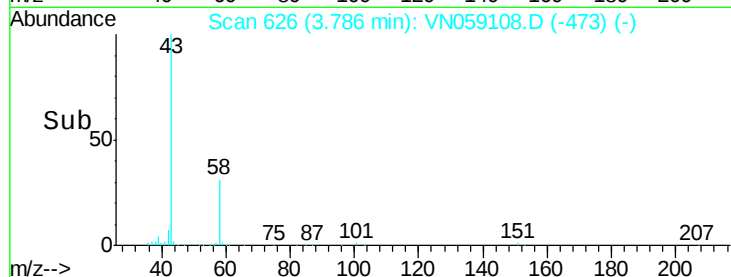
50000

0

3.79

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 22.638 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059108.D

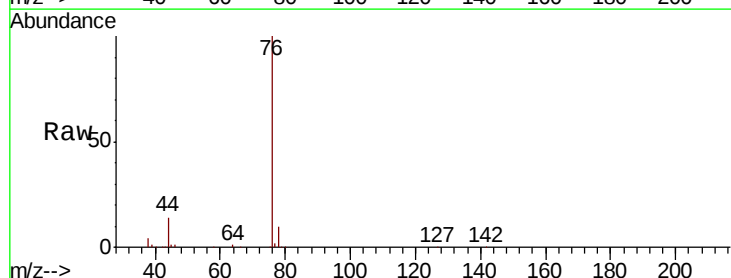
Acq: 7 Nov 2019 8:51

Tgt Ion: 76 Resp: 257928

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058673.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN058673.D (-683) (-)

100000

80000

60000

40000

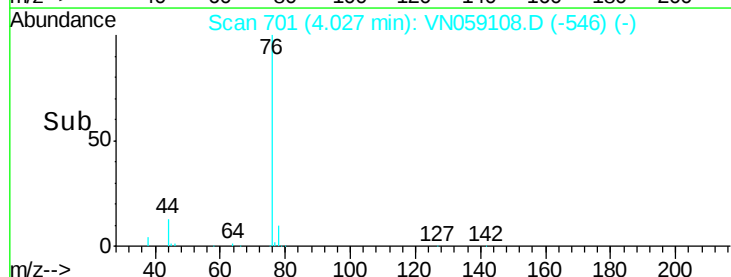
20000

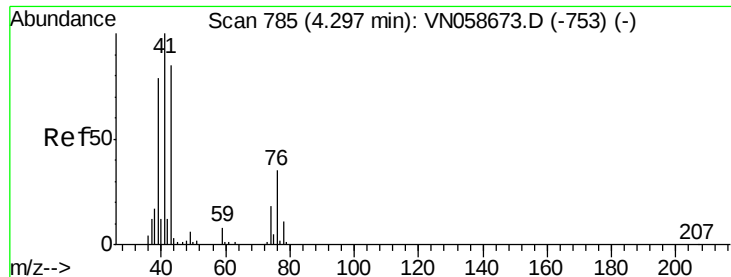
0

4.03

3.90 4.00 4.10

Time-->





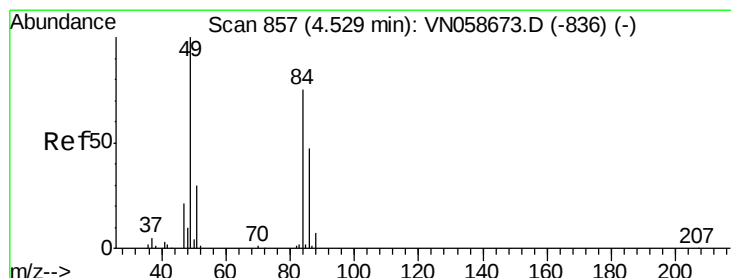
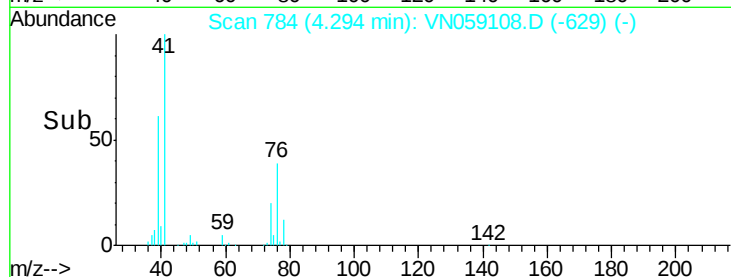
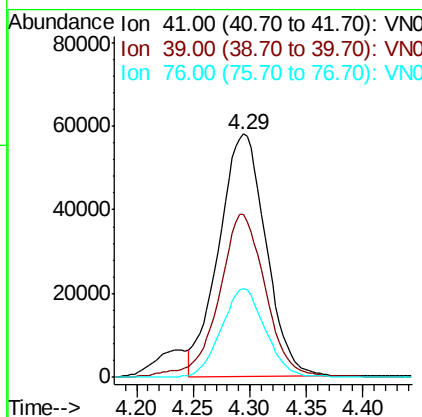
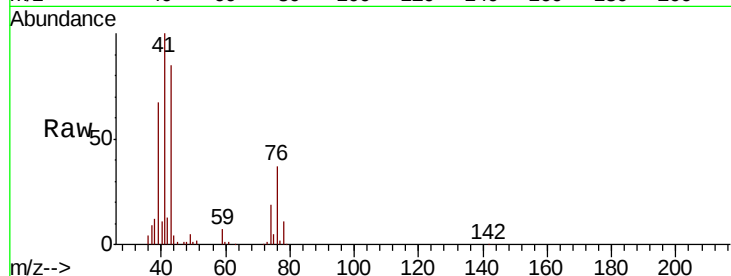
#17
Allvl chloride
Concen: 21.493 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.8	39.6	118.8
76	36.9	17.6	52.9

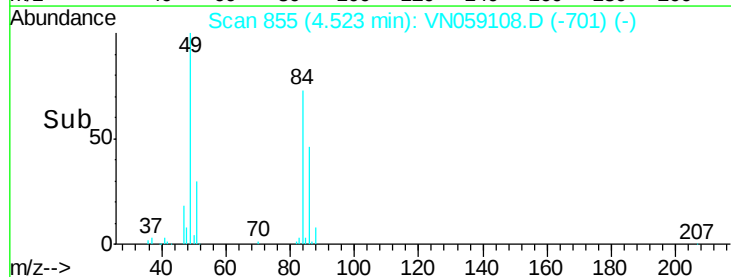
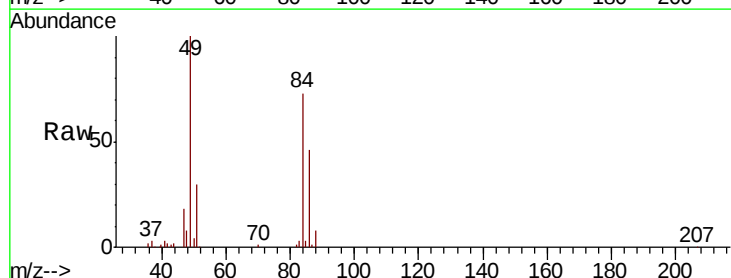
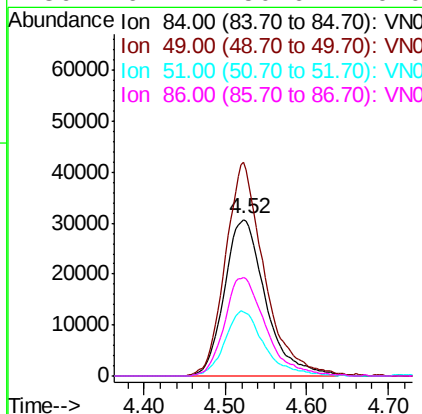
Manual Integrations
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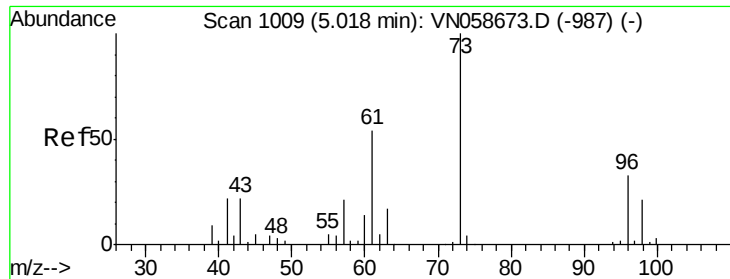
MMDadoda
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#18
Methylene Chloride
Concen: 22.851 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.2	106.6	160.0
51	41.0	32.4	48.6
86	62.7	50.6	76.0





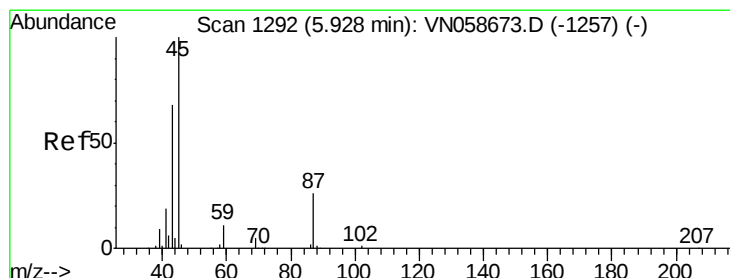
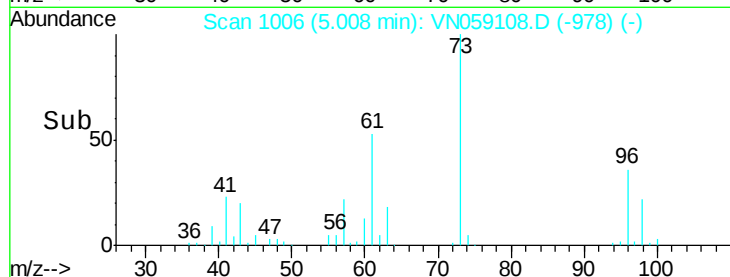
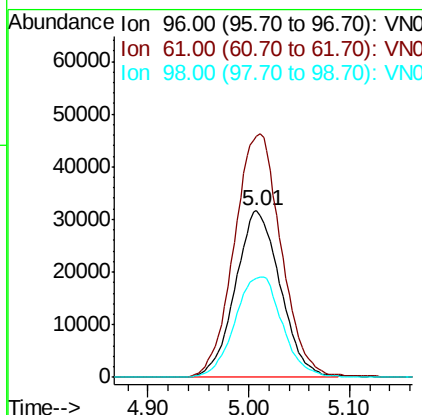
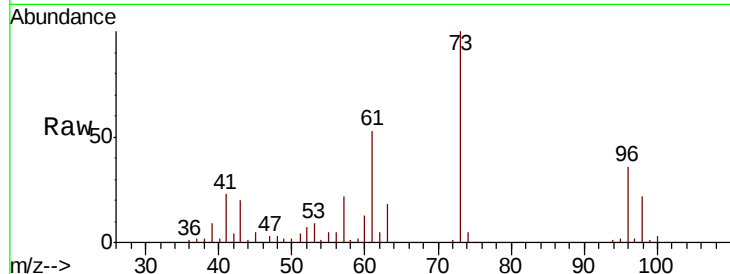
#19
trans-1,2-Dichloroethene
Concen: 23.029 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	131.8	197.6
98	59.5	52.6	79.0

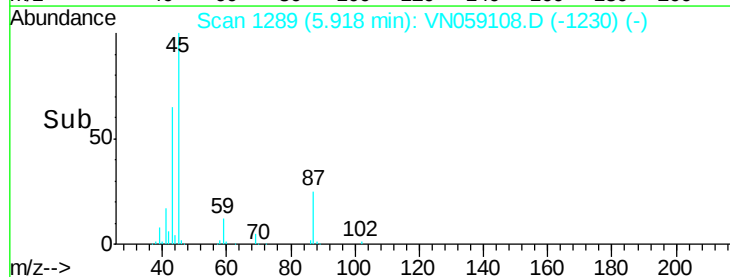
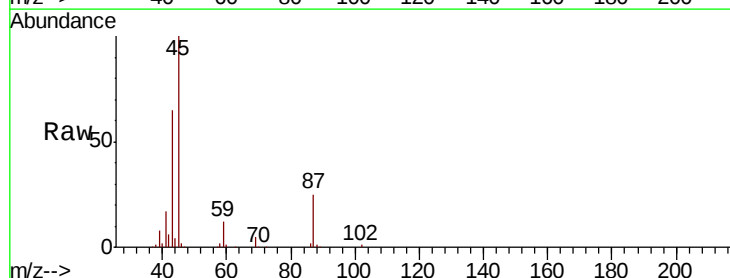
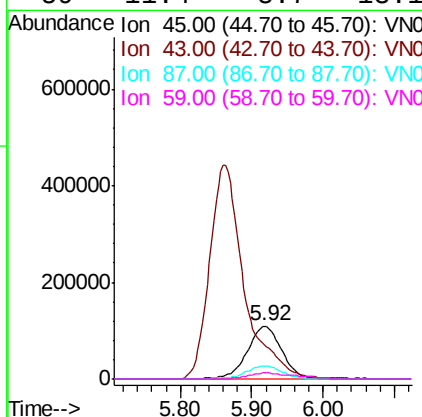
Manual Integrations
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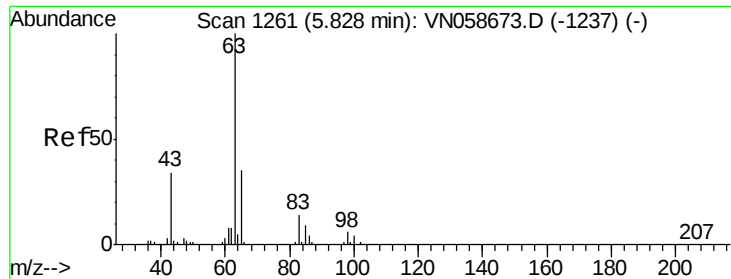
MMDadoda
11/8/2019 9:38:59 AM



#20
Diisopropyl ether
Concen: 23.154 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	54.7	82.1
87	25.3	21.5	32.3
59	11.4	8.7	13.1





#21

1,1-Dichloroethane

Concen: 22.707 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

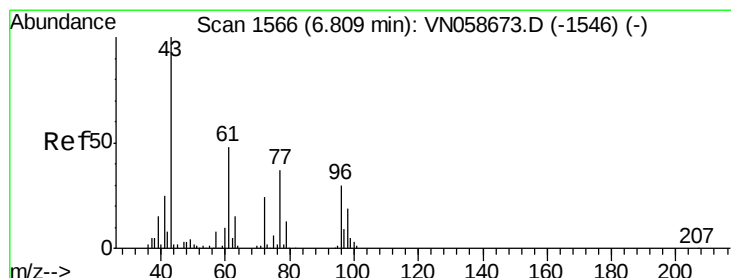
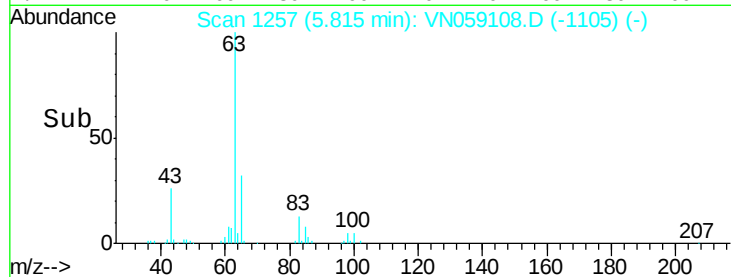
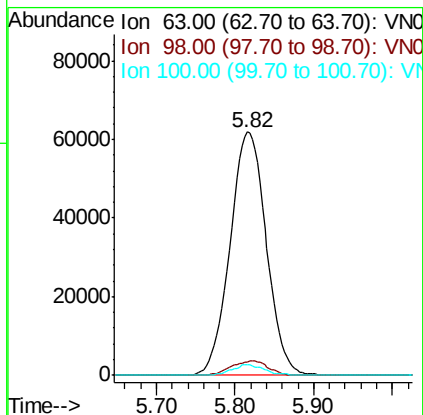
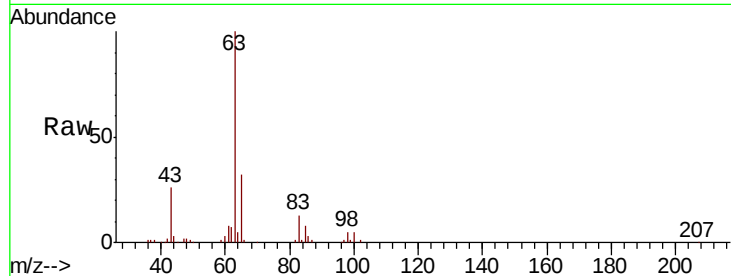
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	199184		
98	5.5	2.9	8.6	
100	4.6	1.8	5.5	

Manual Integrations
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11/8/2019 9:38:59 AM



#22

cis-1,2-Dichloroethene

Concen: 22.745 ug/l

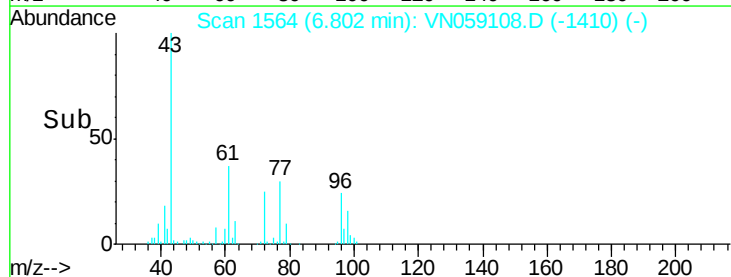
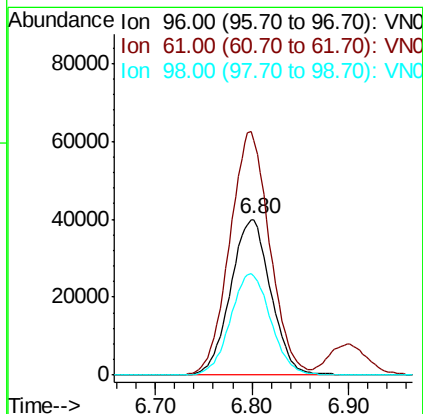
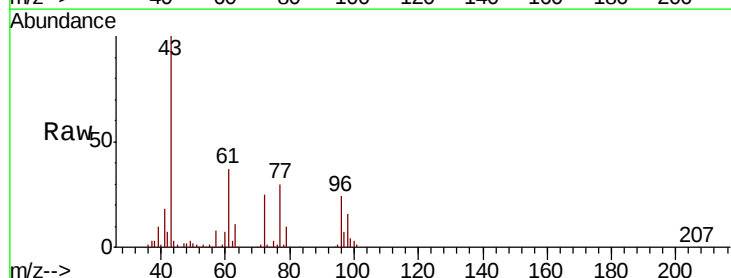
RT: 6.80 min Scan# 1564

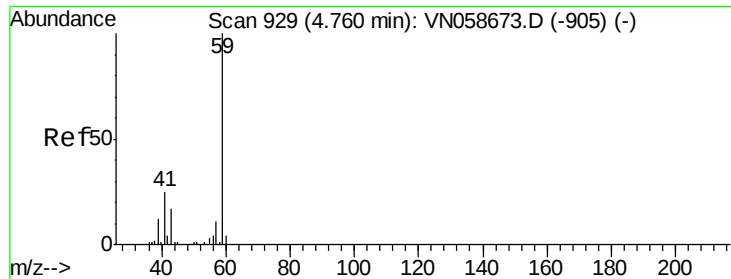
Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	115325		
61	155.8	127.2	190.8	
98	65.3	50.5	75.7	





#23

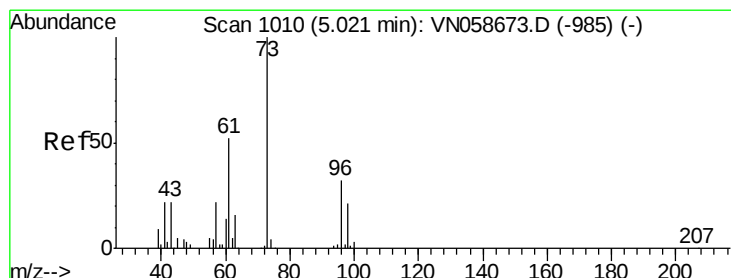
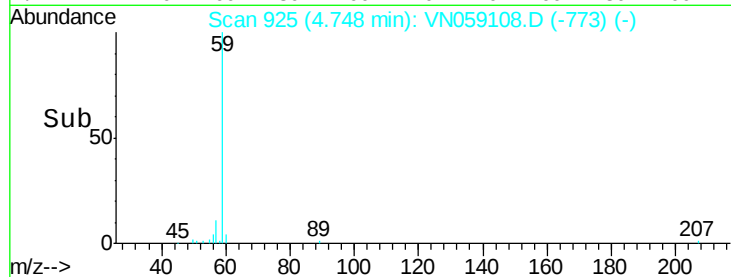
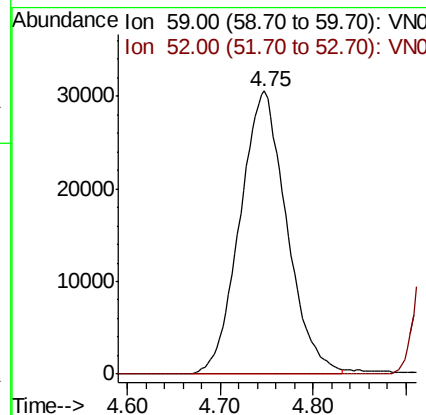
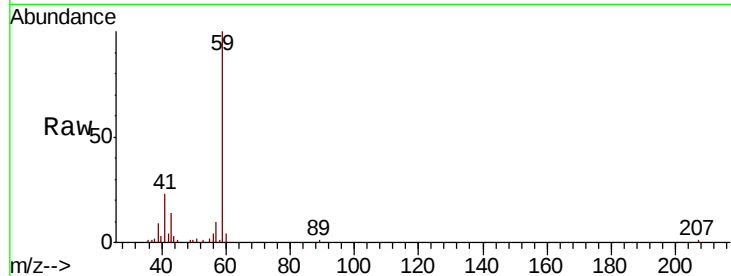
tert-Butyl Alcohol
 Concen: 106.223 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.0	0.0#

Manual Integrations
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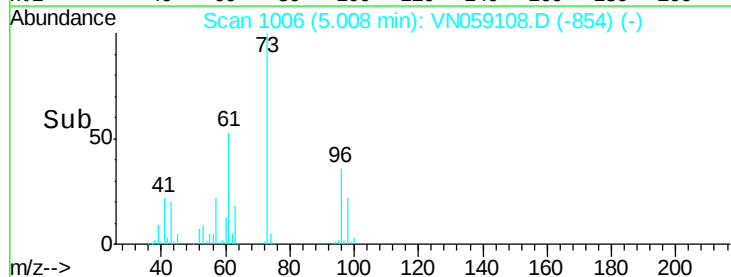
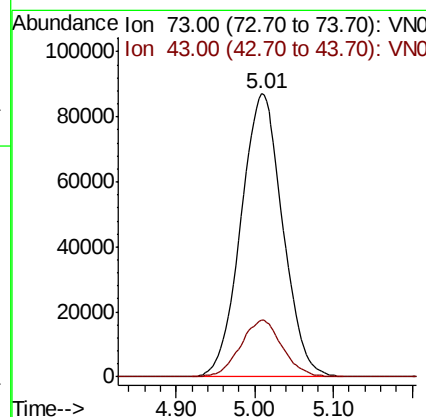
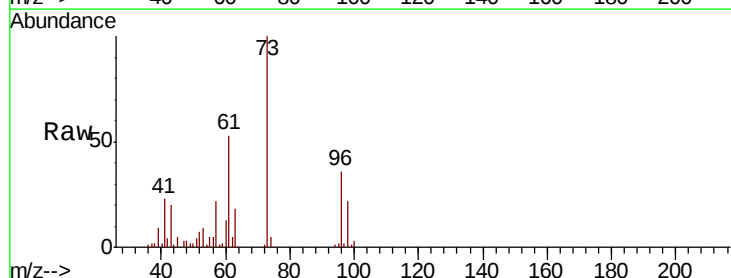
MMDadoda
 11/8/2019 9:38:59 AM

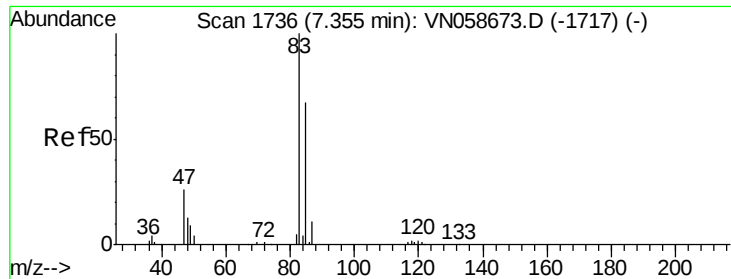


#24

Methyl tert-Butyl Ether
 Concen: 22.267 ug/l
 RT: 5.01 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.6	17.9	26.9





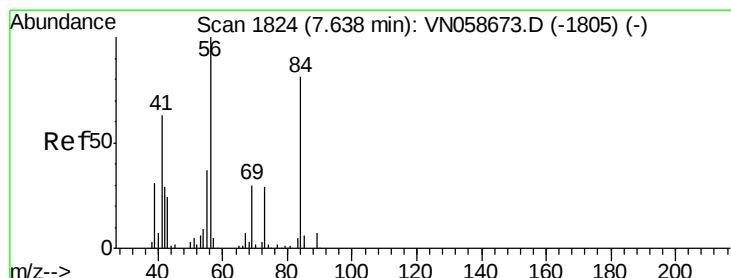
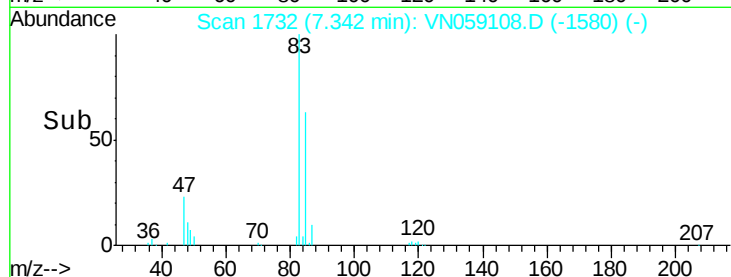
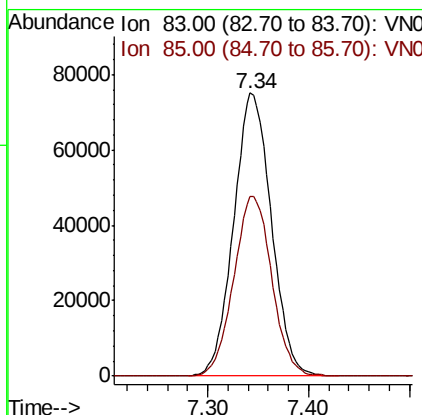
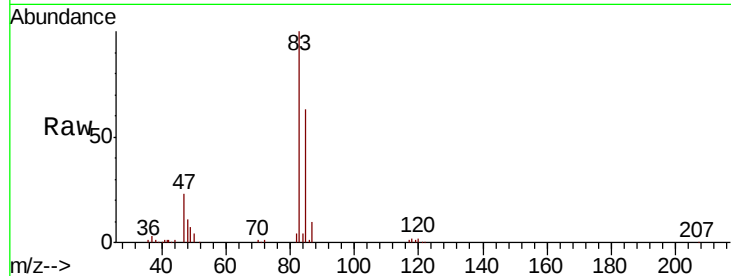
#25
Chloroform
Concen: 22.252 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	194672
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	53.8	80.8

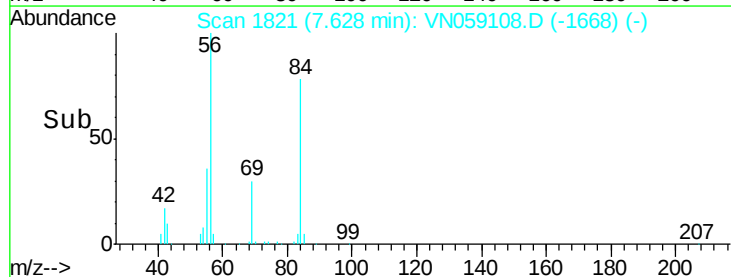
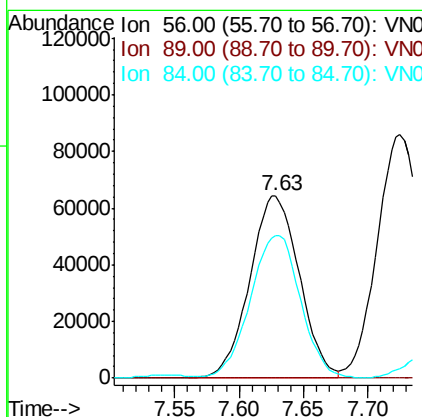
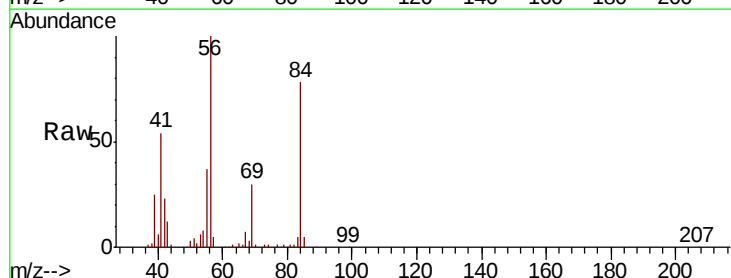
Manual Integrations
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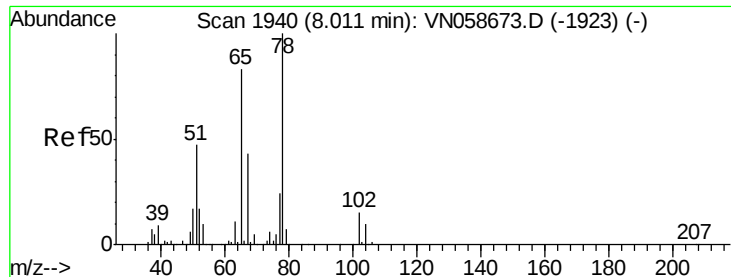
MMDadoda
11/8/2019 9:38:59 AM



#26
Cyclohexane
Concen: 22.343 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	56	Resp	172028
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	6.2	9.2#
84	79.6	65.6	98.4





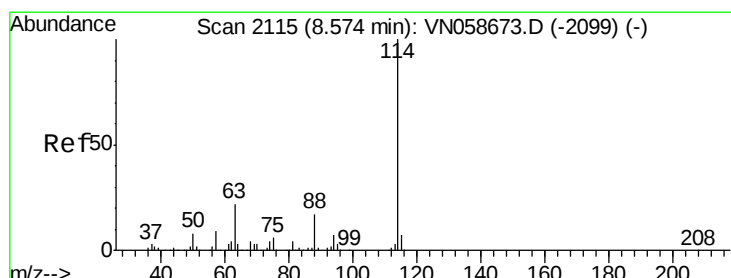
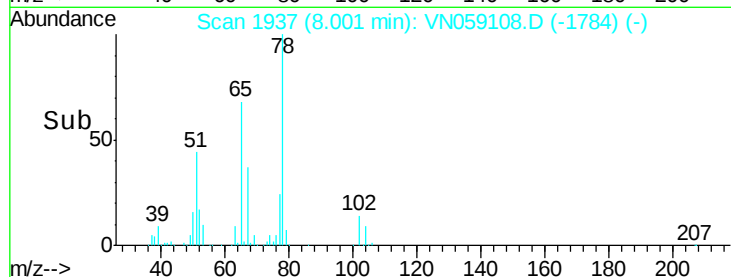
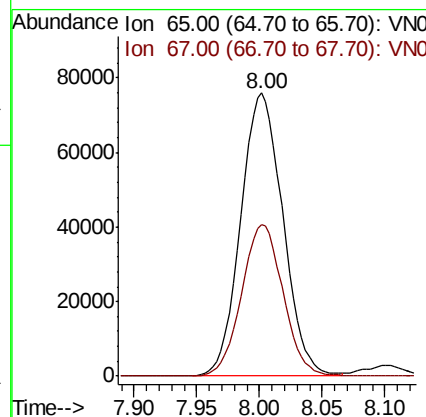
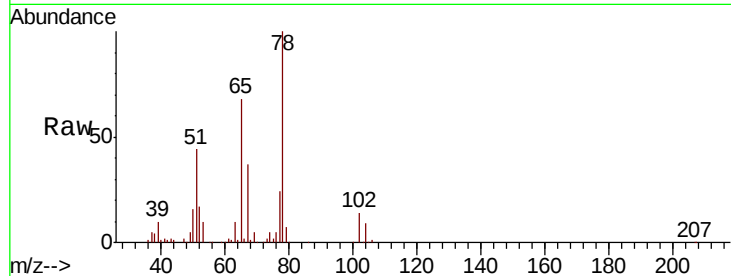
#27
 1,2-Dichloroethane-d4
 Concen: 28.009 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.5	62.3

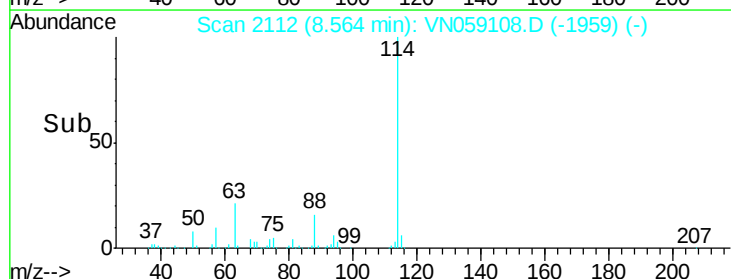
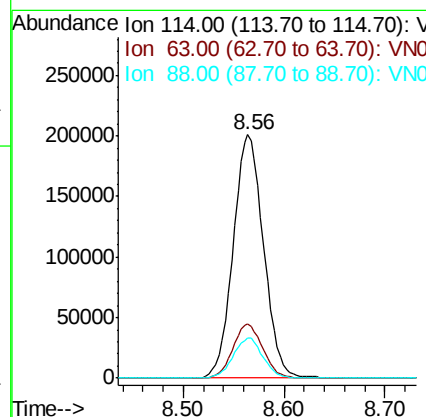
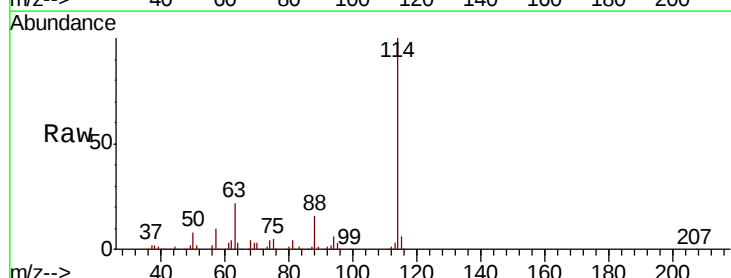
Manual Integrations
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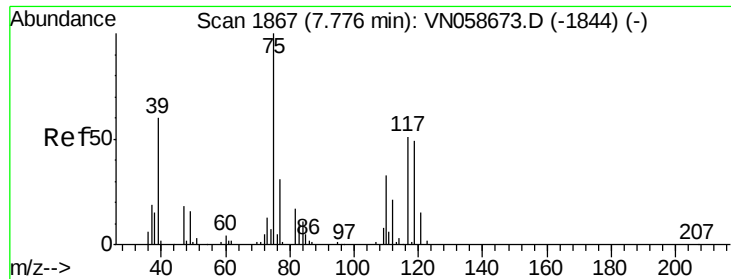
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	18.1	27.1
88	16.2	13.0	19.4





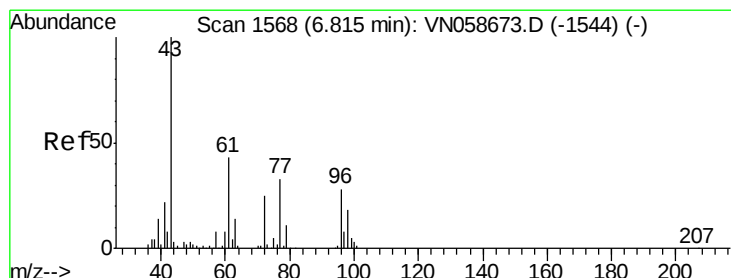
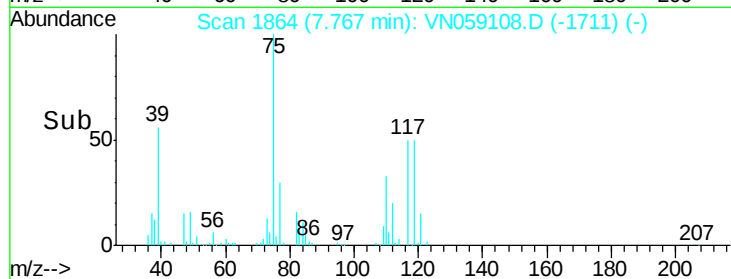
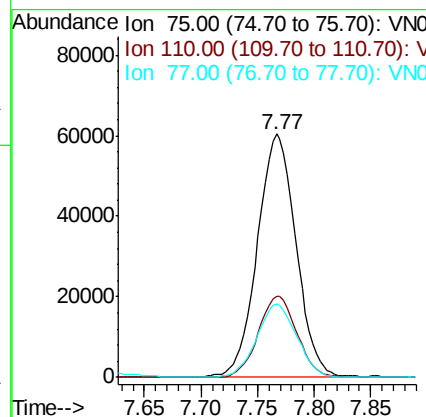
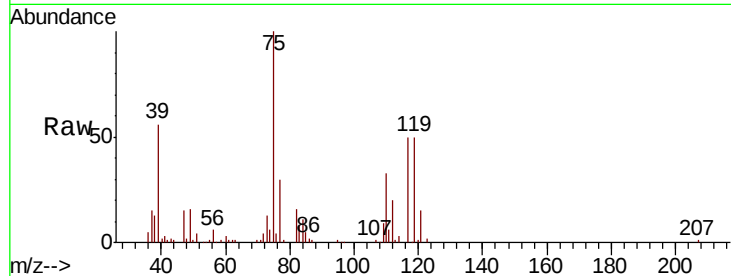
#29
 1,1-Dichloropropene
 Concen: 21.651 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.4	0.0	64.6
77	31.3	0.0	60.8

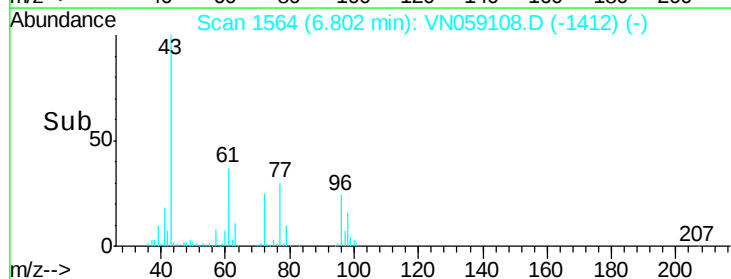
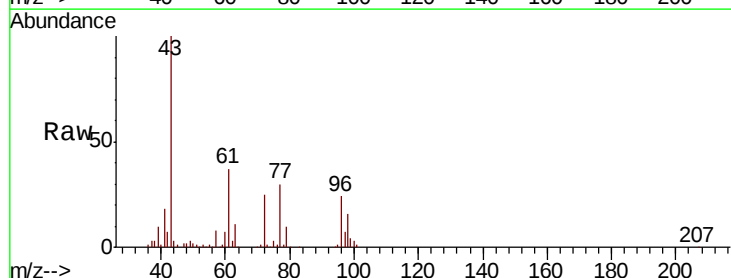
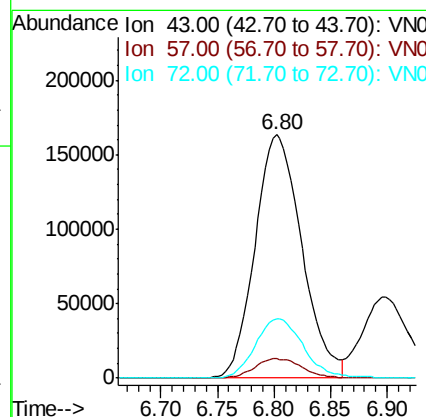
Manual Integrations
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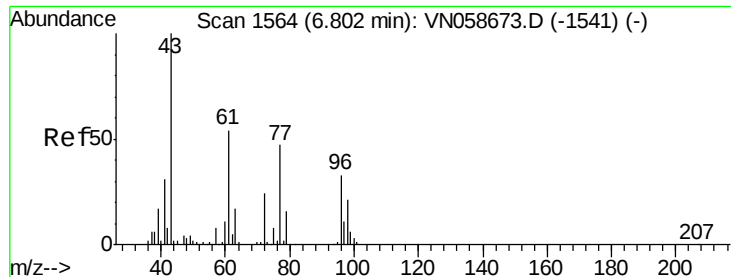
MMDadoda
 11/8/2019 9:38:59 AM



#30
 2-Butanone
 Concen: 125.160 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.5	9.7
72	25.3	20.1	30.1





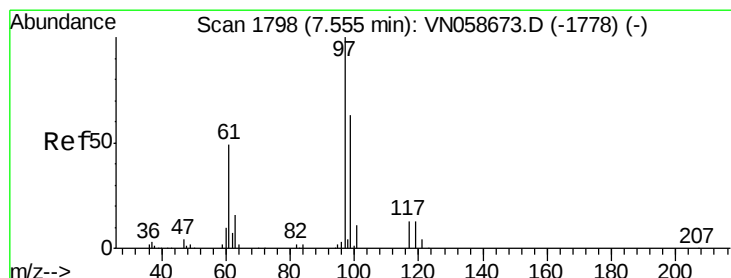
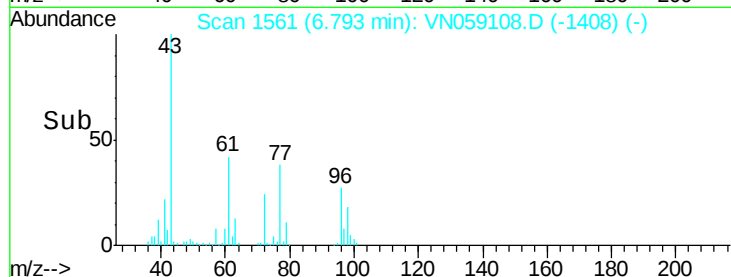
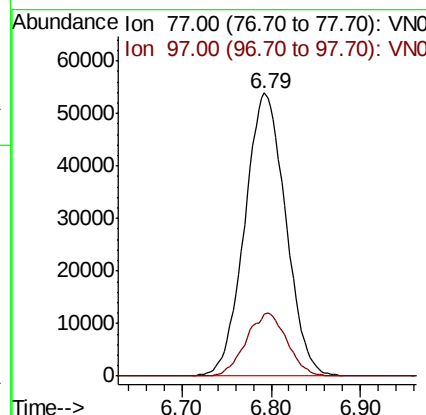
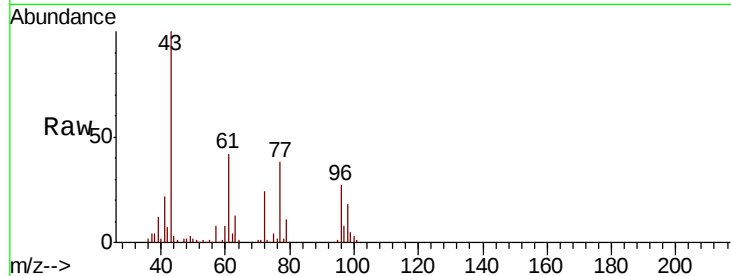
#31
 2,2-Dichloropropane
 Concen: 22.112 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.2	17.9	26.9

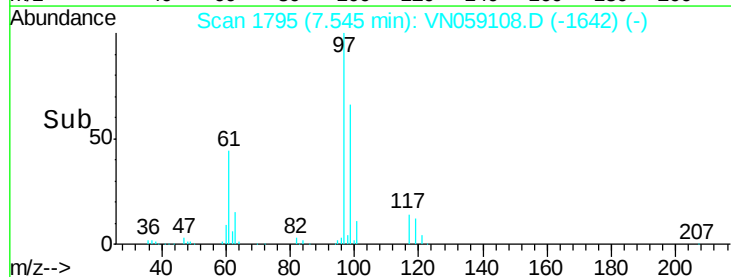
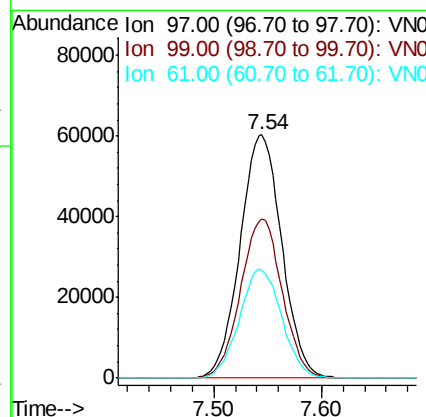
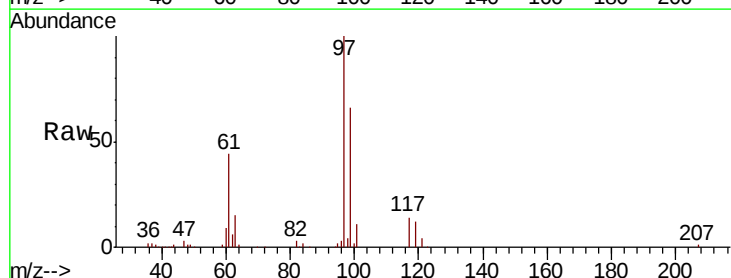
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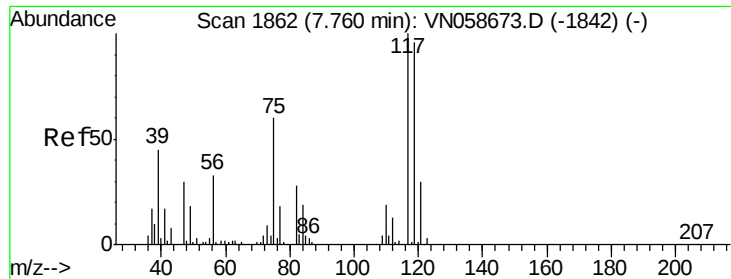
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#32
 1,1,1-Trichloroethane
 Concen: 21.148 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.3	76.9
61	45.6	38.4	57.6





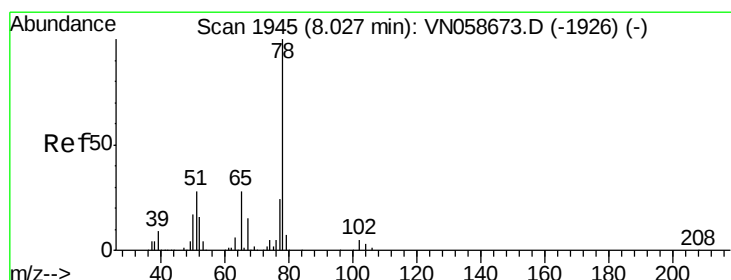
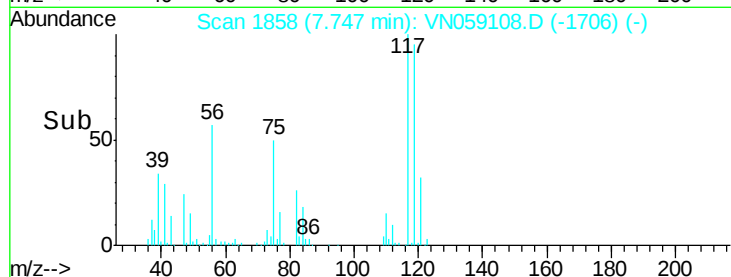
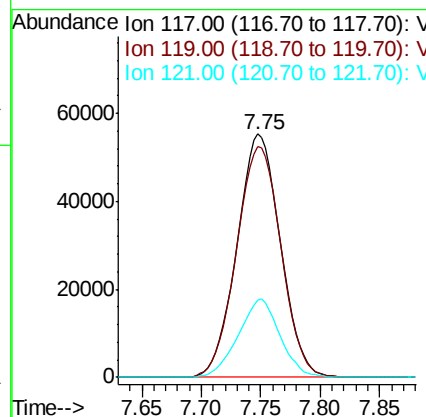
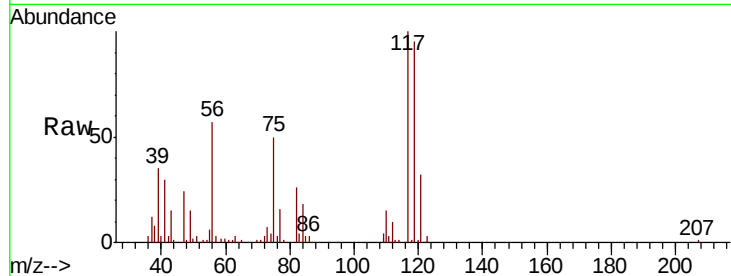
#33
Carbon Tetrachloride
Concen: 21.094 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.9	115.3
121	31.9	23.8	35.8

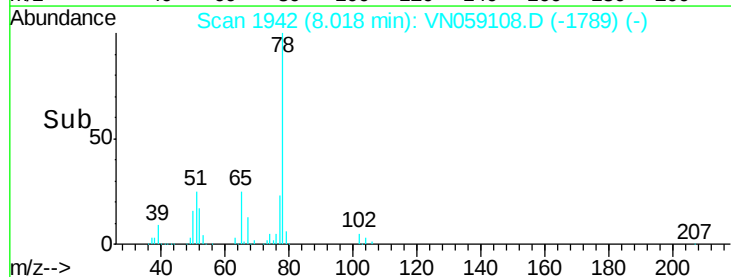
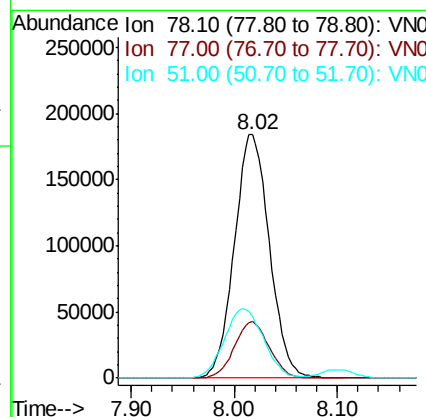
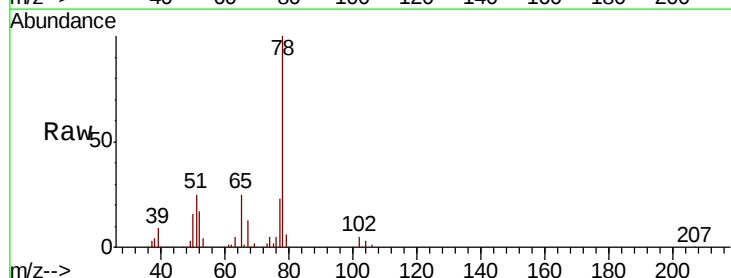
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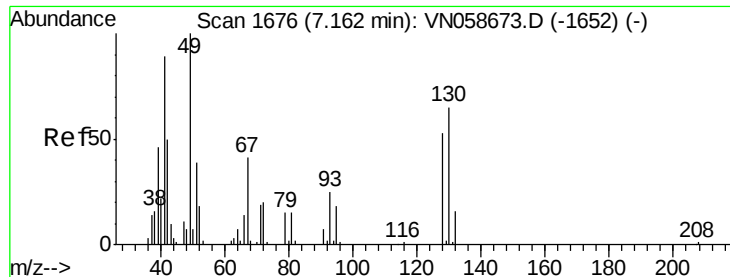
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#34
Benzene
Concen: 22.397 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8
51	25.1	22.1	33.1





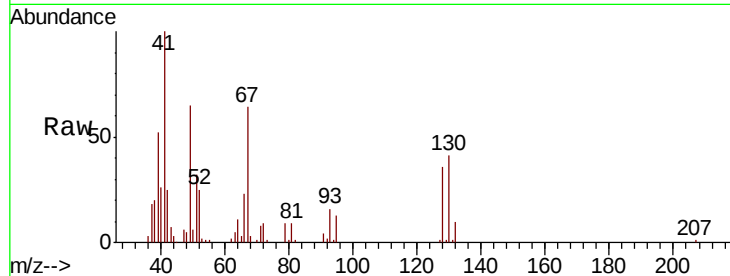
#35
Methacrylonitrile
Concen: 19.716 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.02 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

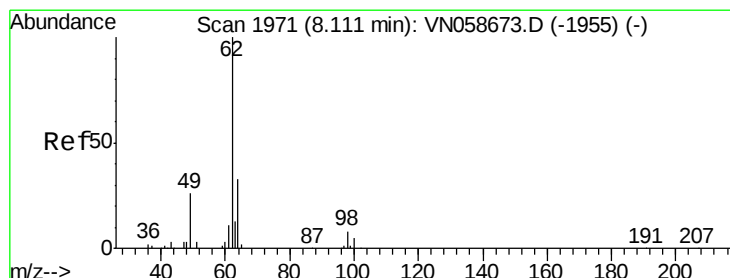
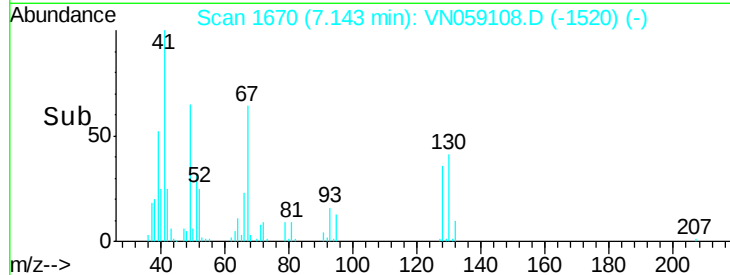
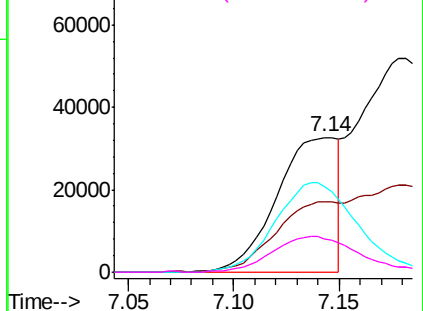
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	25.8	77.4	
67	64.0	23.0	69.0	
52	25.1	10.1	30.1	

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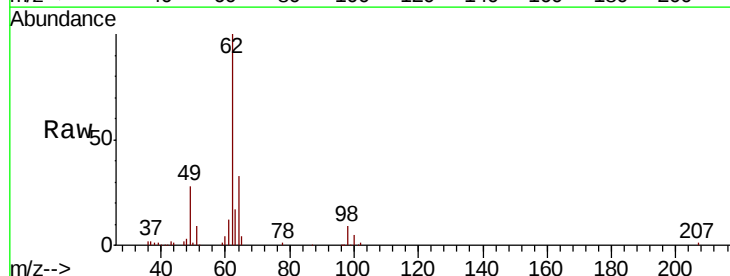


Abundance Ion 41.00 (40.70 to 41.70): VN059108.D (-1520) (-)
Ion 39.00 (38.70 to 39.70): VN059108.D (-1520) (-)
Ion 67.00 (66.70 to 67.70): VN059108.D (-1520) (-)
Ion 52.00 (51.70 to 52.70): VN059108.D (-1520) (-)

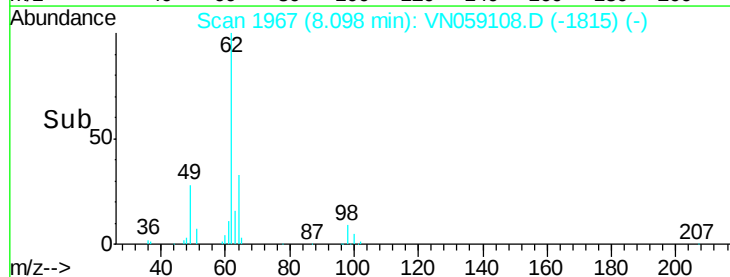
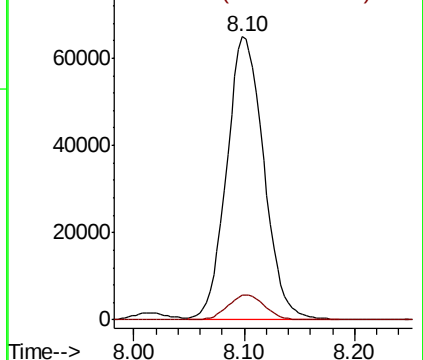


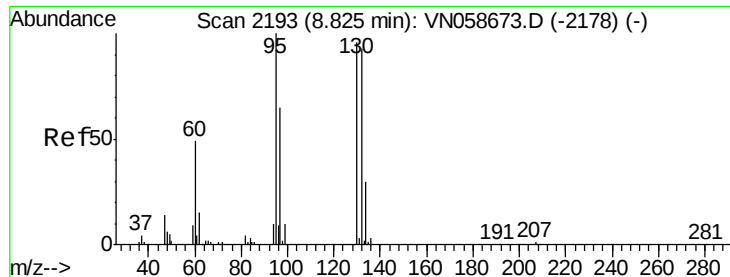
#36
1,2-Dichloroethane
Concen: 20.402 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	6.4	9.6	



Abundance Ion 62.00 (61.70 to 62.70): VN059108.D (-1815) (-)
Ion 98.00 (97.70 to 98.70): VN059108.D (-1815) (-)





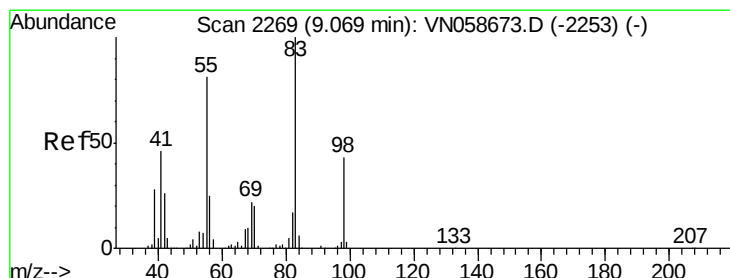
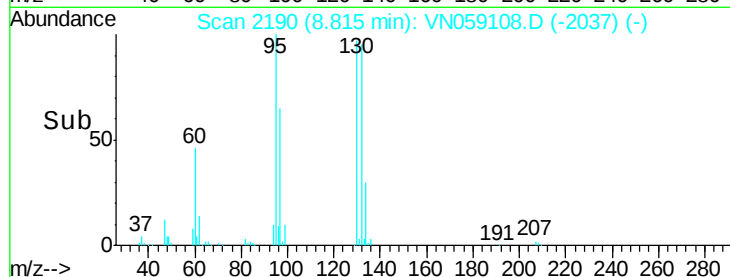
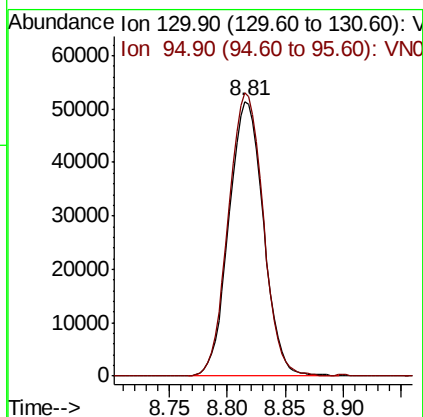
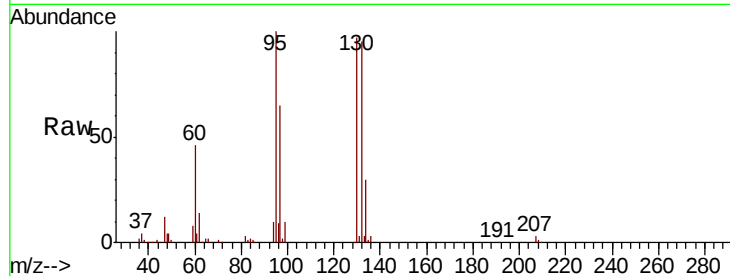
#37
 Trichloroethene
 Concen: 22.210 ug/l
 RT: 8.81 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 106299
 Ion Ratio Lower Upper
 130 100
 95 103.0 83.2 124.8

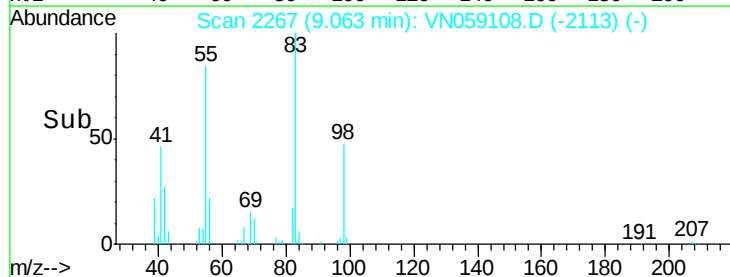
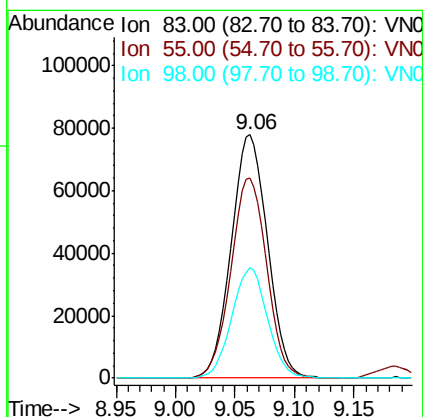
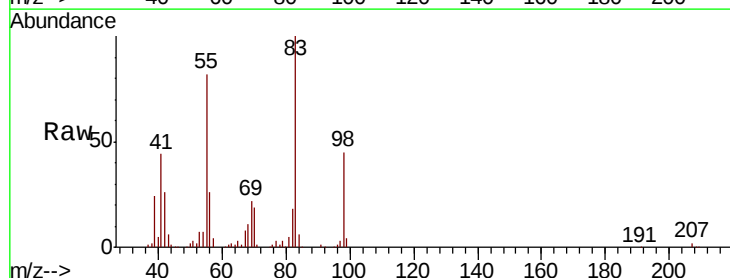
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#38
 Methylcyclohexane
 Concen: 21.498 ug/l
 RT: 9.06 min Scan# 2267
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion: 83 Resp: 164946
 Ion Ratio Lower Upper
 83 100
 55 81.2 40.4 121.1
 98 44.7 21.6 65.0





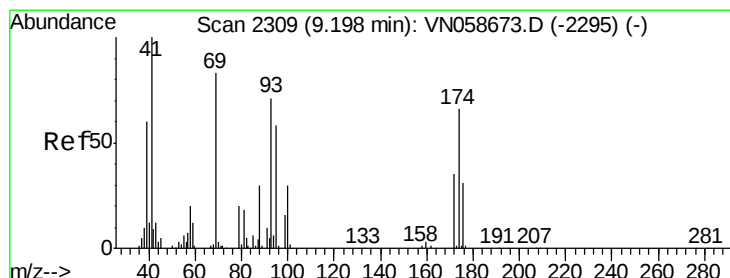
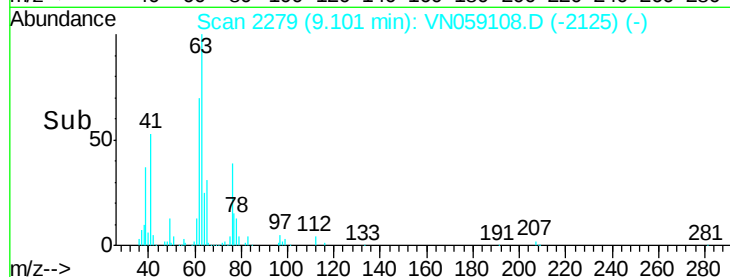
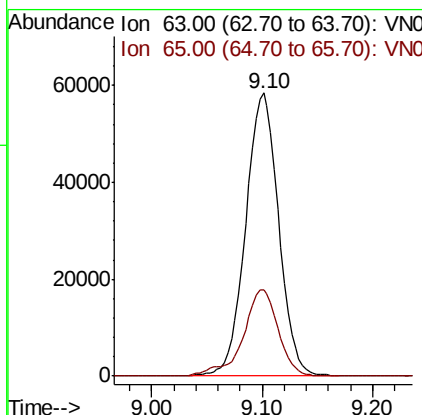
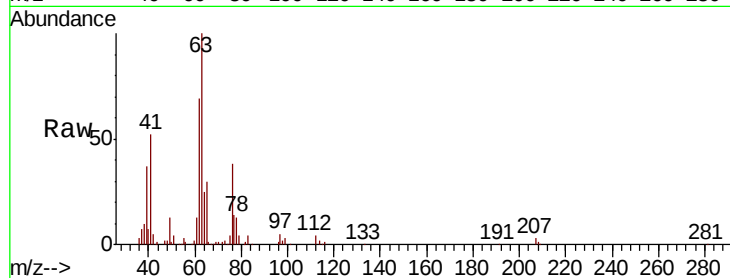
#39
 1,2-Dichloropropane
 Concen: 22.745 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	121098
Ion Ratio	Lower	Upper	
63	100		
65	30.5	23.8	35.6

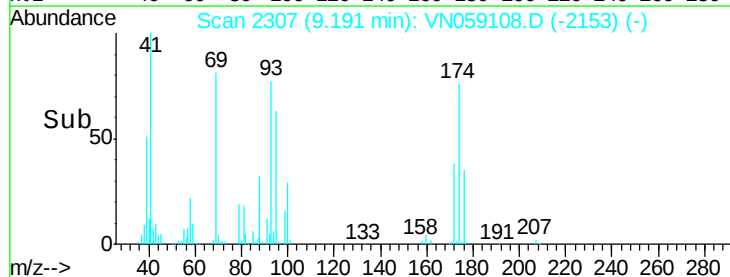
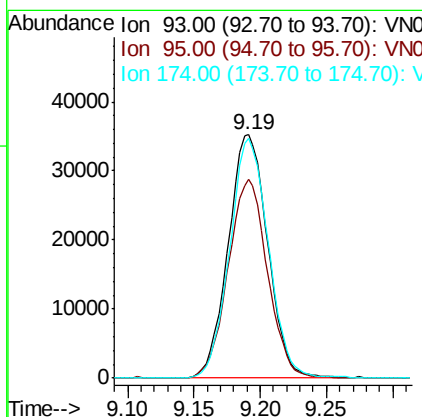
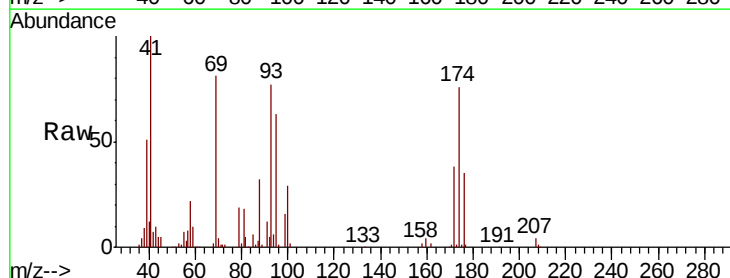
Manual Integrations
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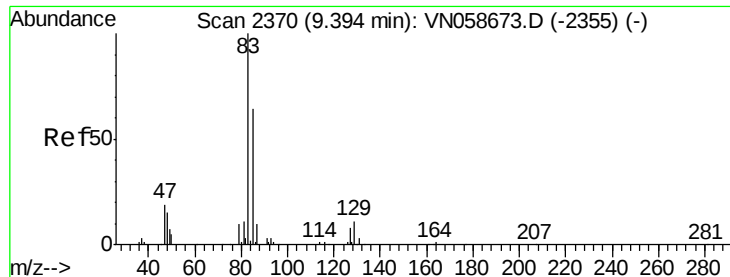
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#40
 Dibromomethane
 Concen: 21.674 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	93	Resp	72848
Ion Ratio	Lower	Upper	
93	100		
95	81.3	0.0	167.6
174	96.5	0.0	187.2





#41

Bromodichloromethane

Concen: 21.740 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

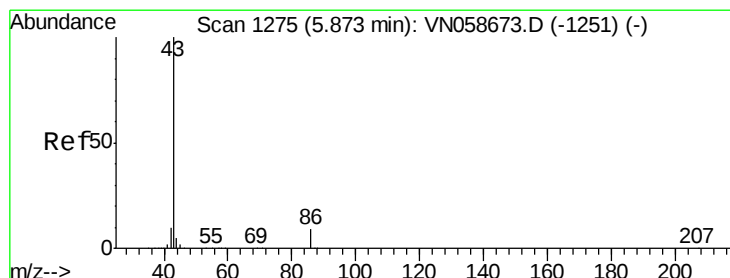
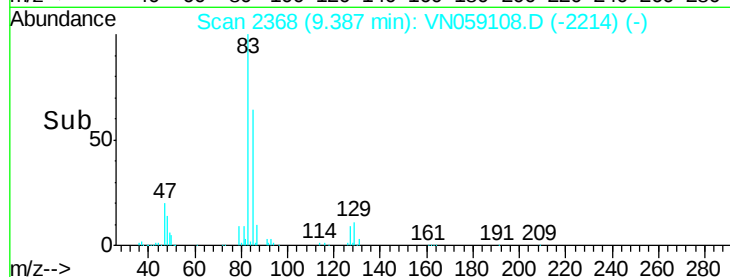
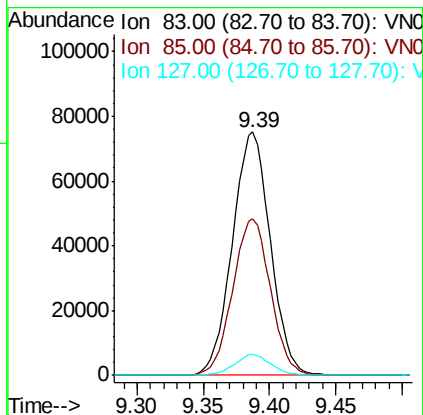
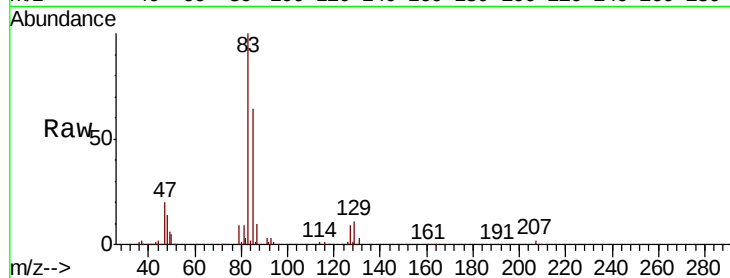
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	149277
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.0	76.4
127	8.8	6.6	9.8

Manual Integrations
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11/8/2019 9:38:59 AM



#42

Vinyl Acetate

Concen: 113.289 ug/l

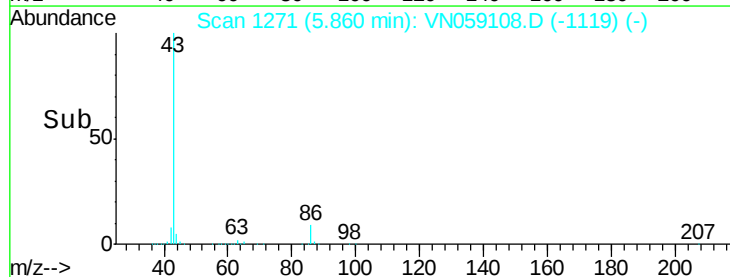
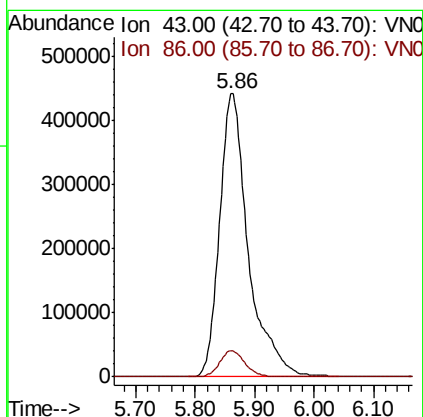
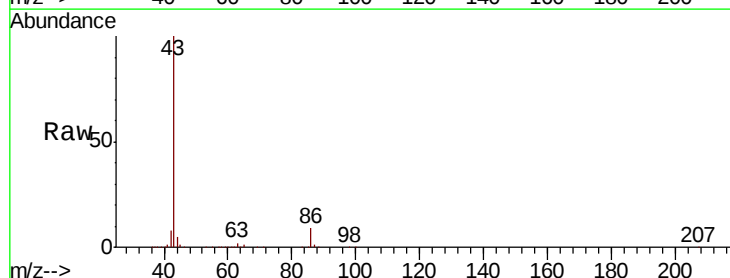
RT: 5.86 min Scan# 1271

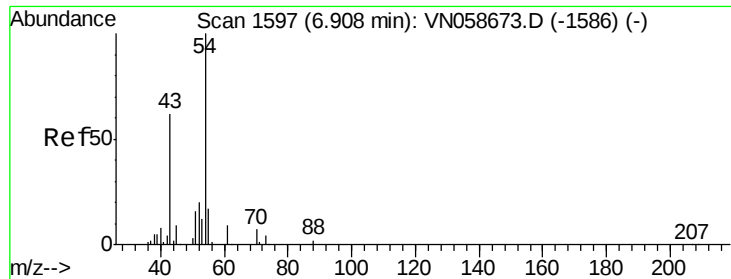
Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tgt Ion:	43	Resp:	1483716
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.5	9.7





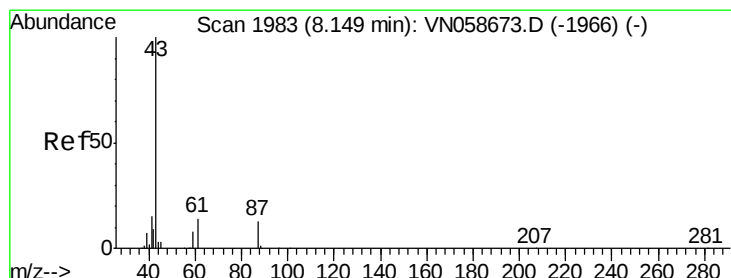
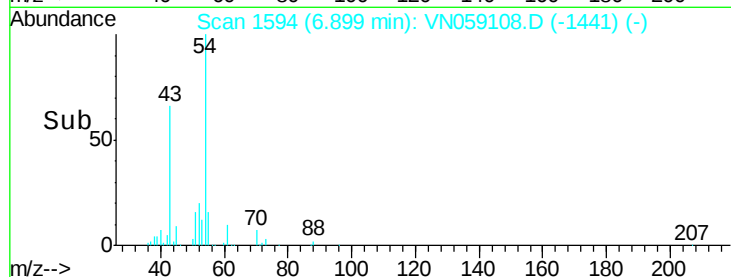
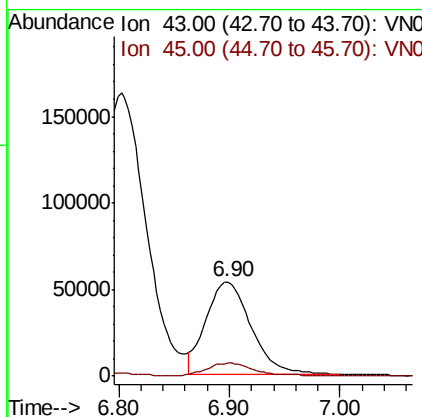
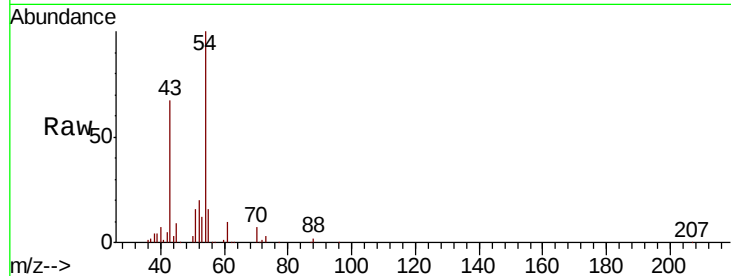
#43
Ethyl Acetate
Concen: 20.830 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	Ratio	Lower	Upper
152886	100			
45	15.4	9.7	14.5#	

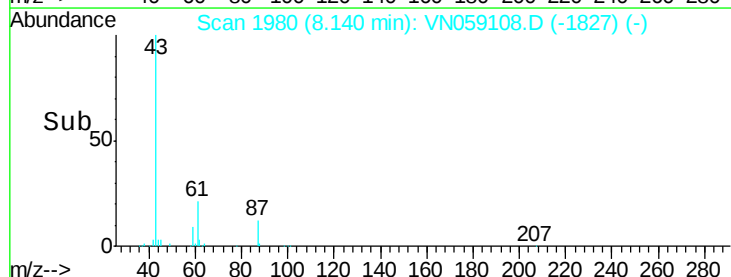
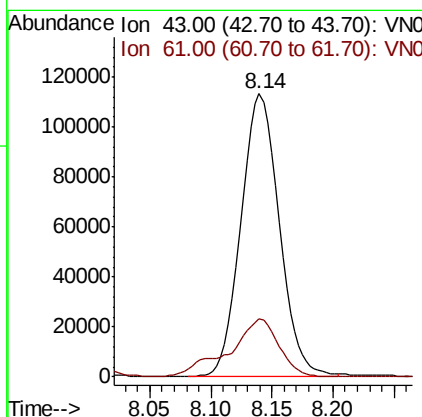
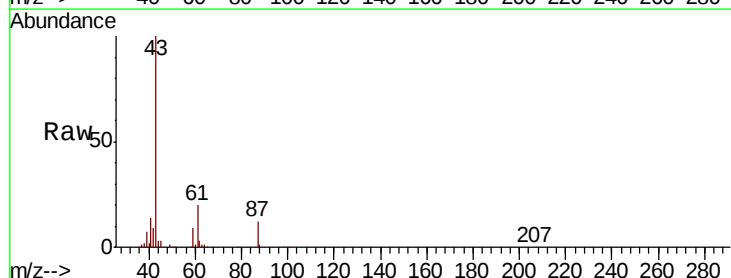
Manual Integrations
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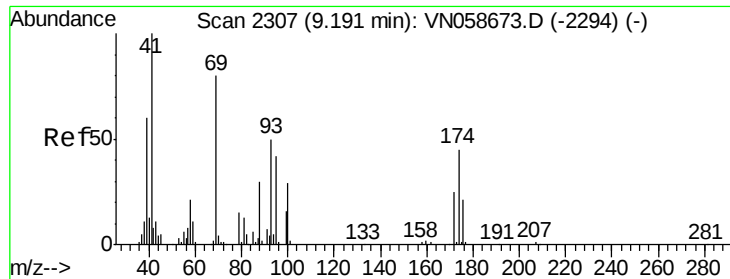
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.617 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	43	Ratio	Lower	Upper
245112	100			
61	20.4	19.9	29.9	





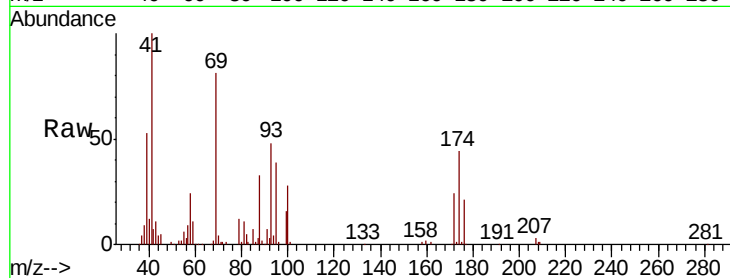
#45
1,4-Dioxane
Concen: 442.598 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	29.8	44.8
58	72.9	58.2	87.4

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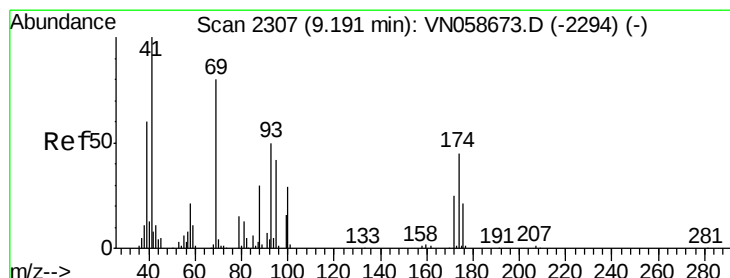
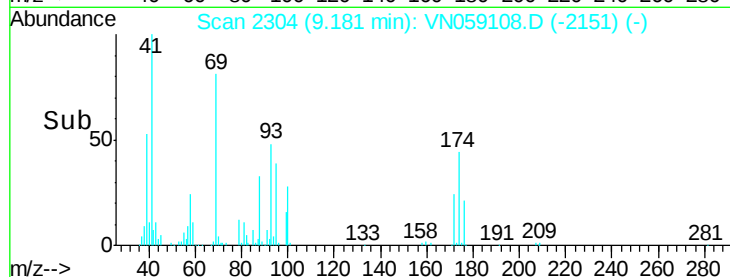
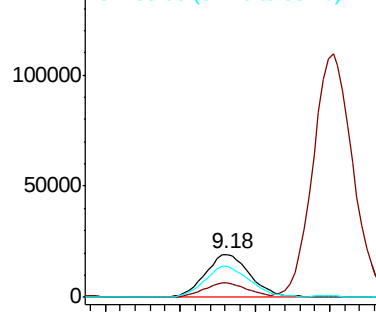


Abundance

Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#46
Methyl methacrylate
Concen: 20.171 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

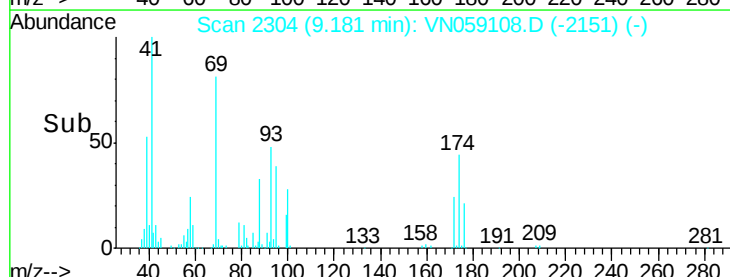
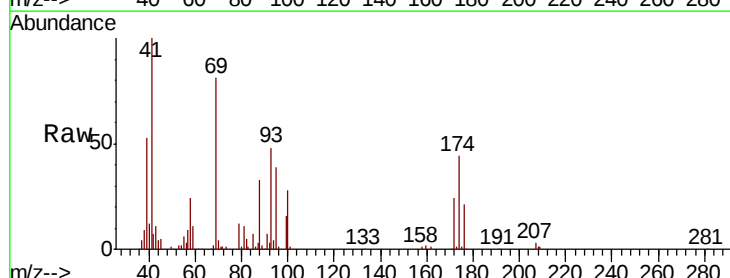
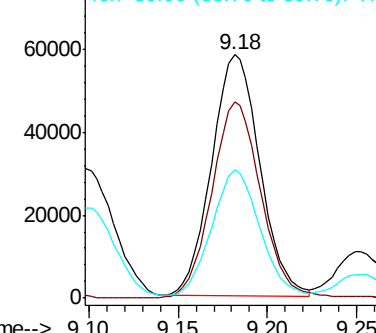
Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.5	40.2	120.5
39	51.9	29.9	89.8

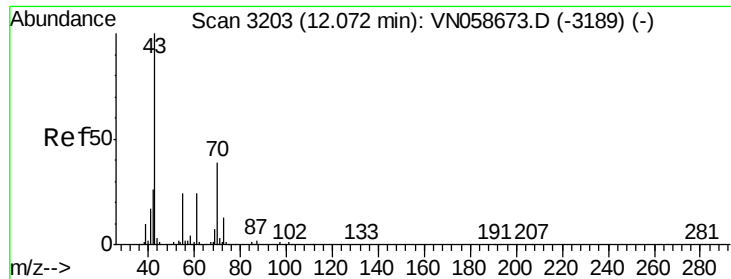
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 18.072 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 190472

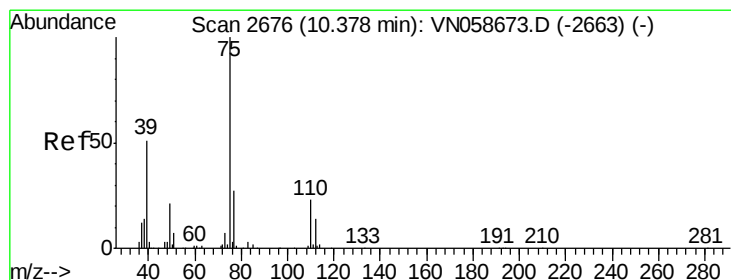
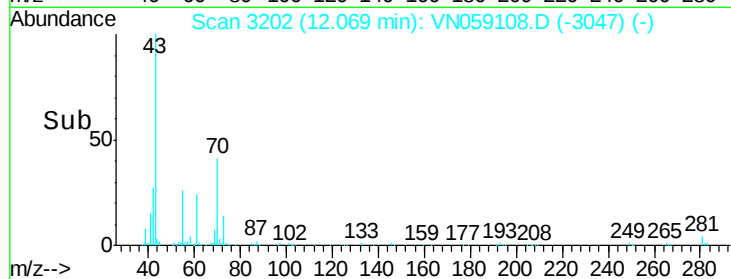
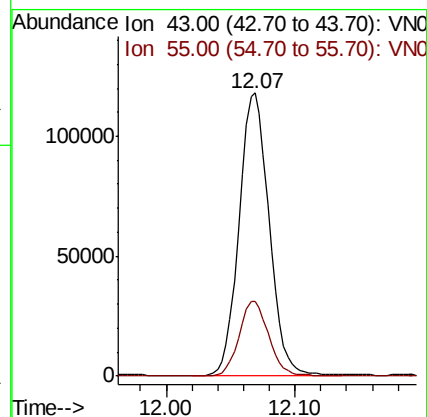
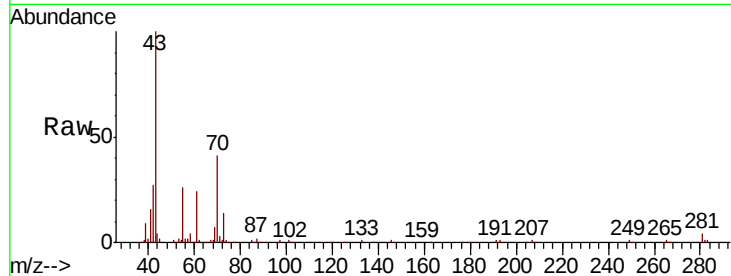
Ion Ratio Lower Upper

43 100

55 26.2 19.6 29.4

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 21.528 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.01 min

Lab File: VN059108.D

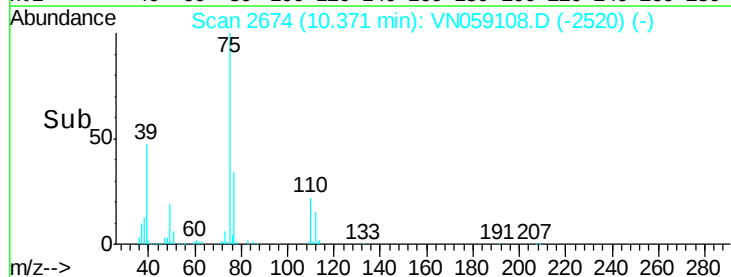
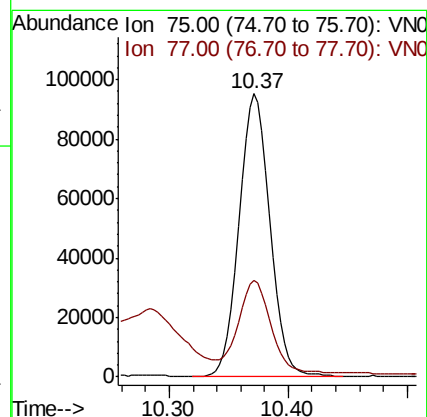
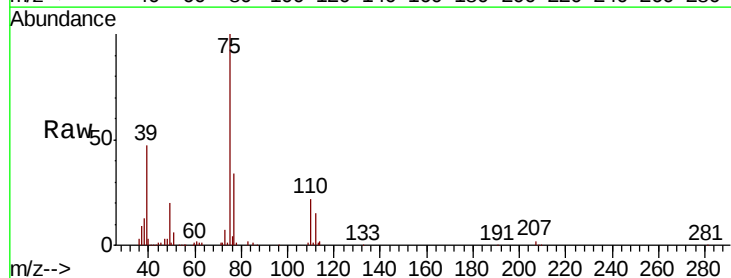
Acq: 7 Nov 2019 8:51

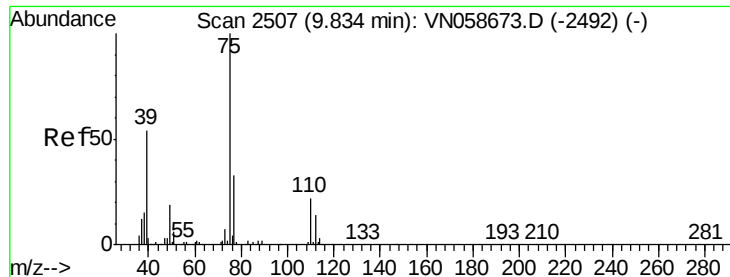
Tgt Ion: 75 Resp: 171434

Ion Ratio Lower Upper

75 100

77 32.8 27.0 40.4





#49

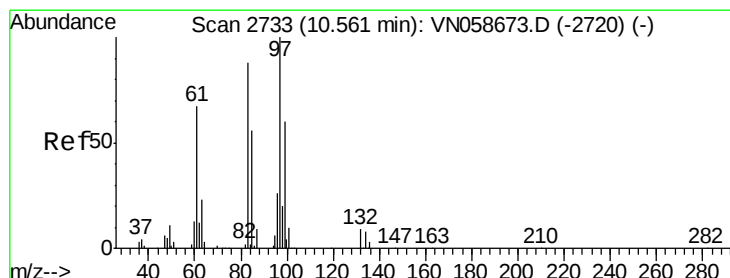
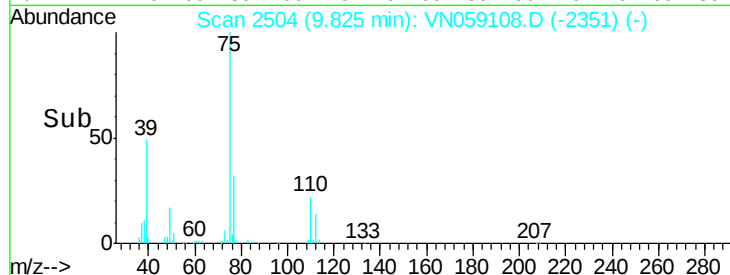
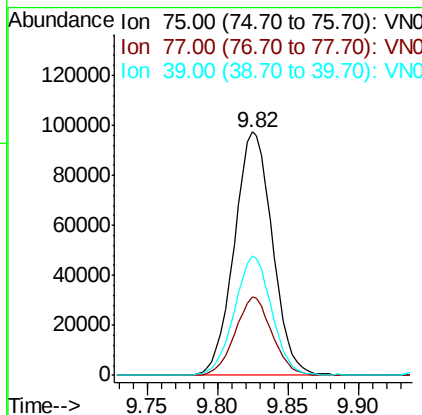
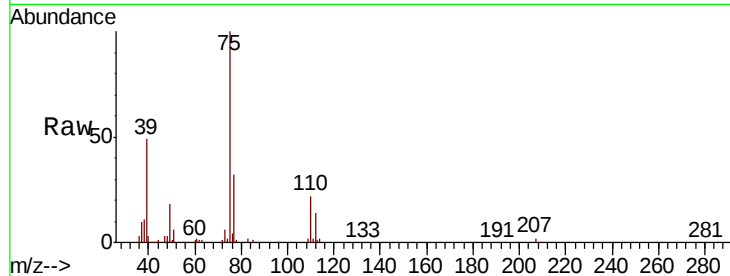
cis-1,3-Dichloropropene
 Concen: 22.075 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.1	39.1
39	48.8	43.1	64.7

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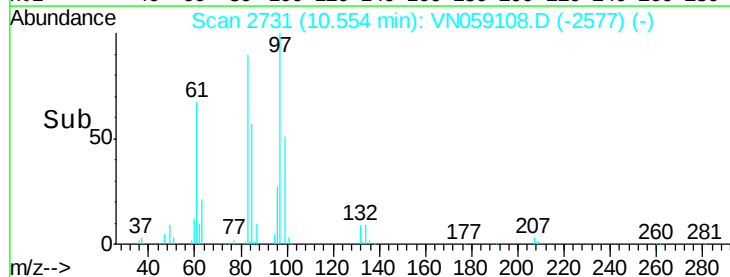
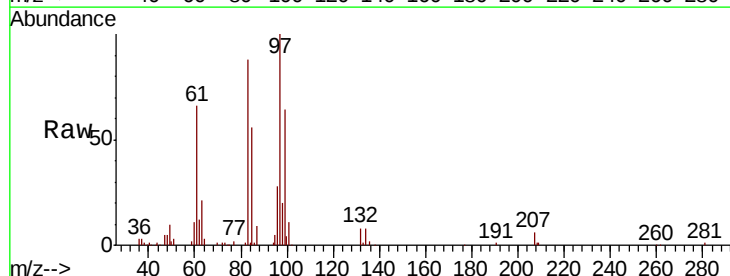
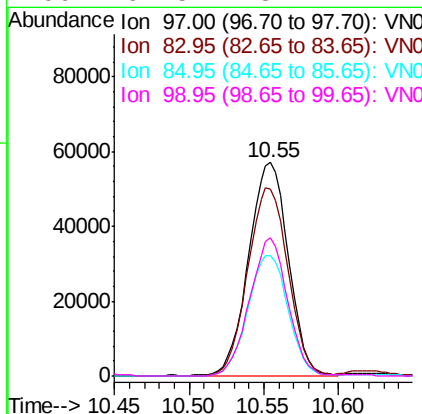
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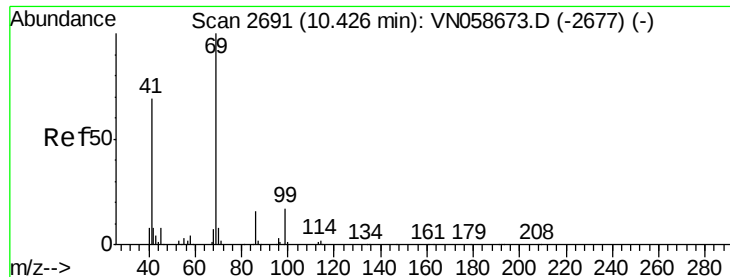


#50

1,1,2-Trichloroethane
 Concen: 22.060 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	56.1	45.1	67.7
99	64.5	48.2	72.4





#51

Ethyl methacrylate

Concen: 20.206 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

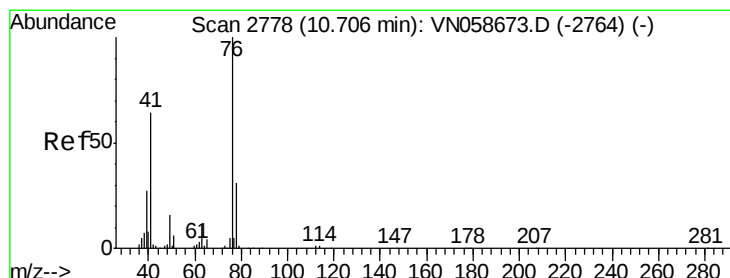
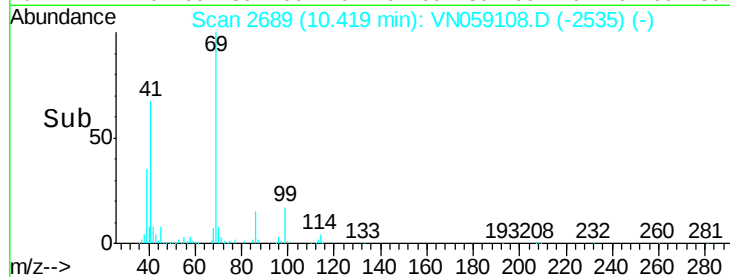
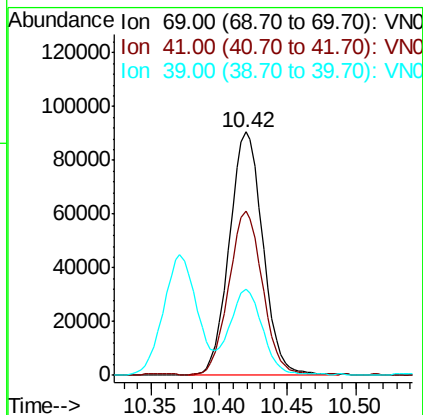
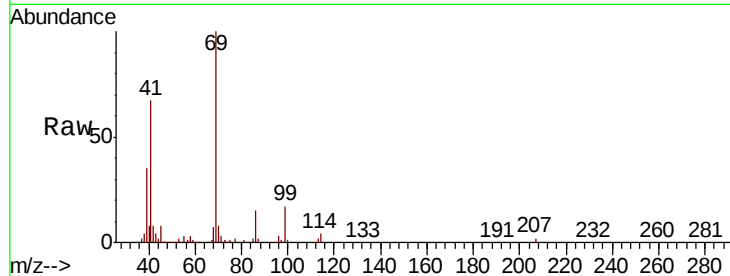
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	155029
Ion Ratio	Lower	Upper	
69	100		
41	67.0	34.7	104.1
39	34.7	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.682 ug/l

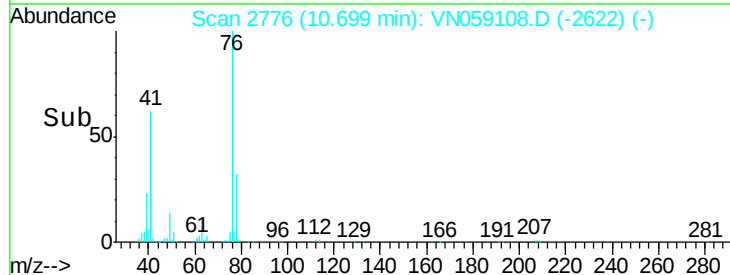
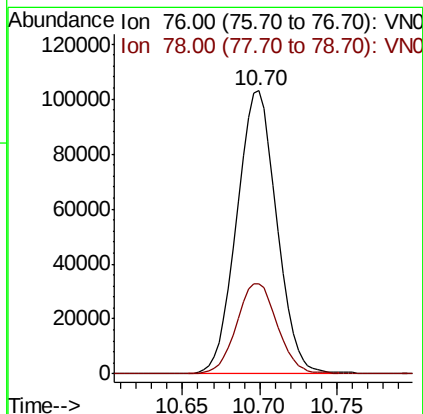
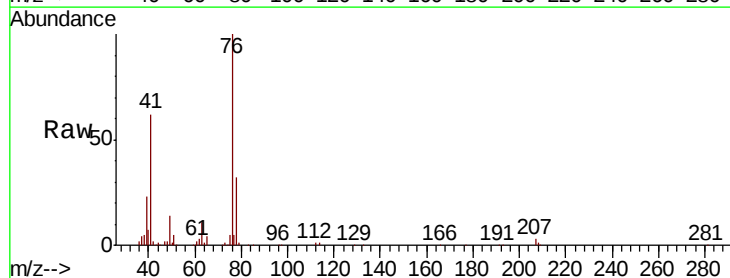
RT: 10.70 min Scan# 2776

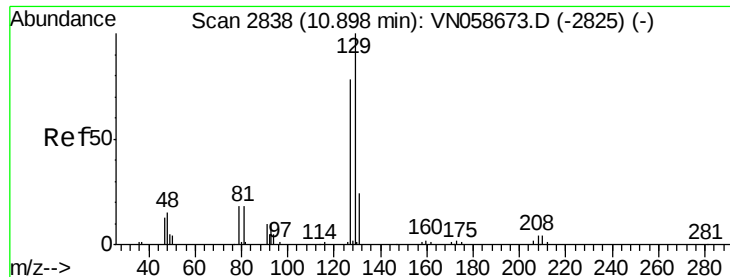
Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tgt Ion:	76	Resp:	185269
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	63.2





#53

Dibromochloromethane

Concen: 21.896 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 112746

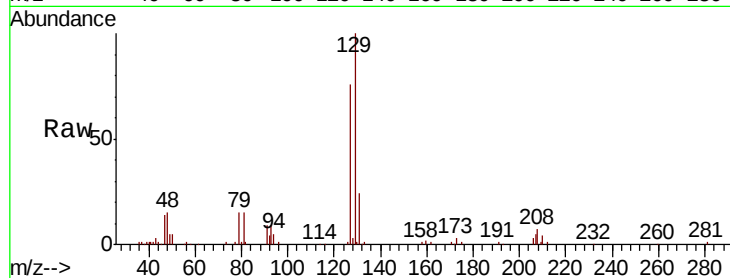
Ion Ratio Lower Upper

129 100

127 76.5 39.1 117.5

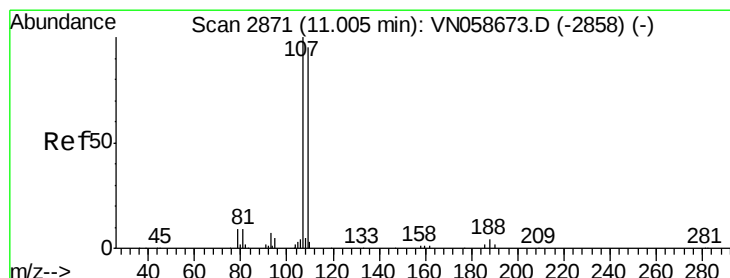
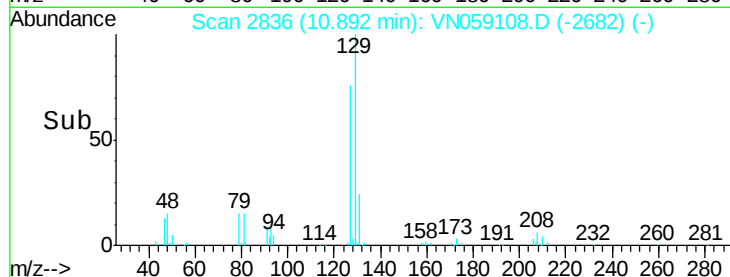
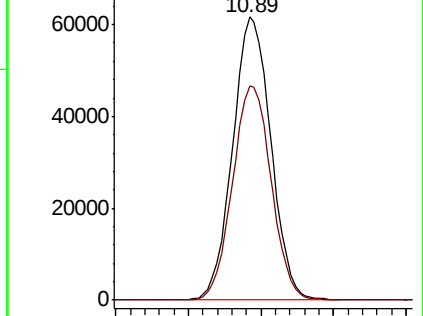
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.294 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.01 min

Lab File: VN059108.D

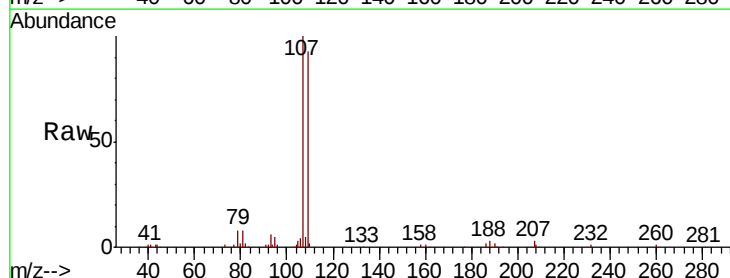
Acq: 7 Nov 2019 8:51

Tgt Ion:107 Resp: 105899

Ion Ratio Lower Upper

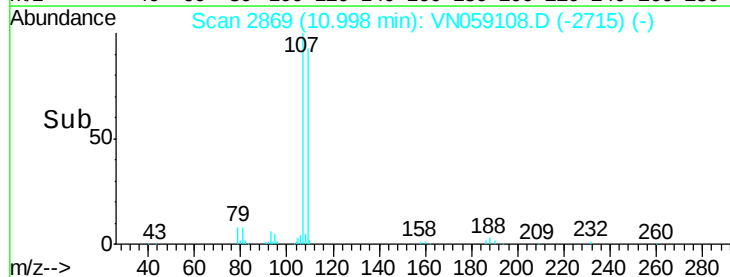
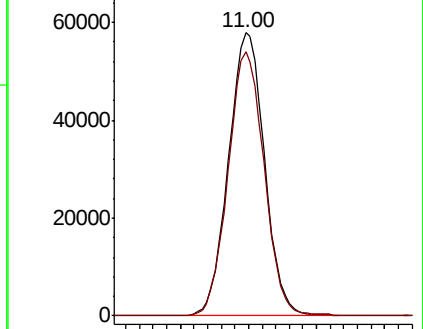
107 100

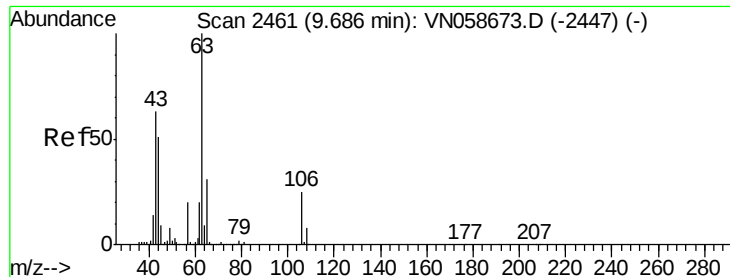
109 93.7 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 91.561 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

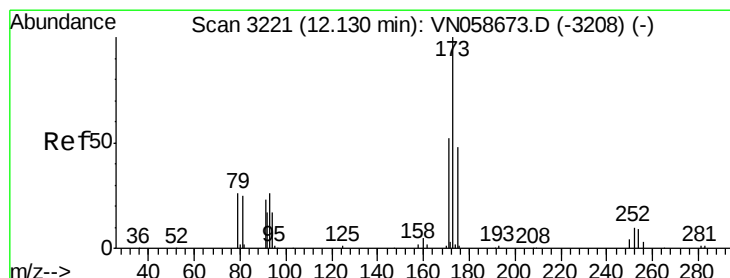
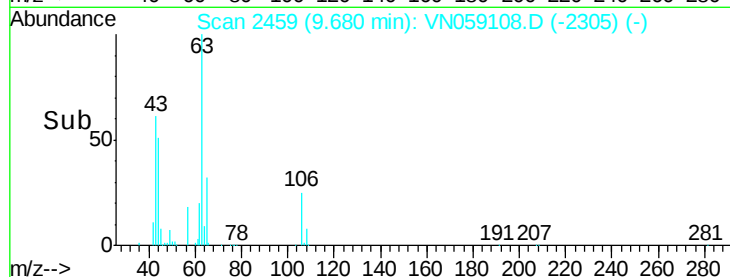
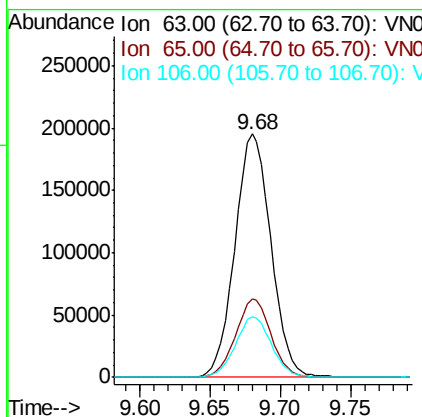
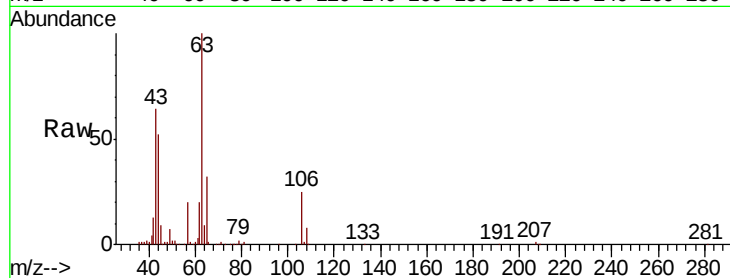
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	349434
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.3	37.9
106	24.9	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 21.977 ug/l

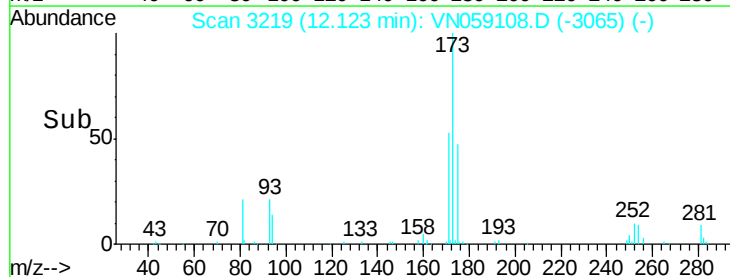
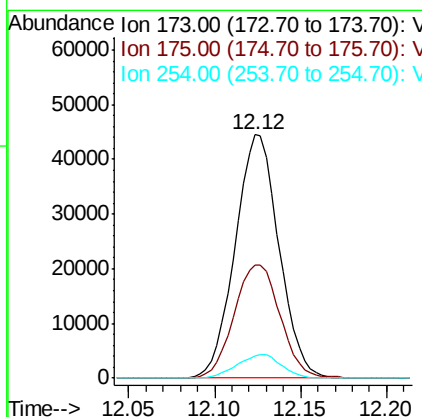
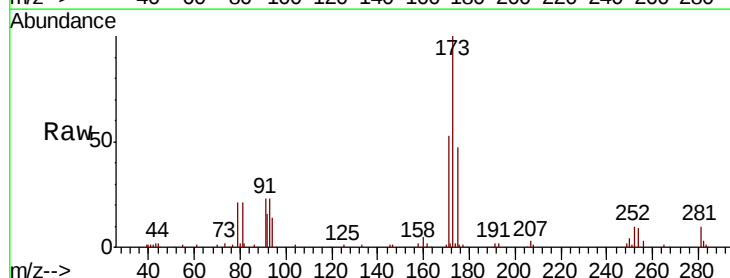
RT: 12.12 min Scan# 3219

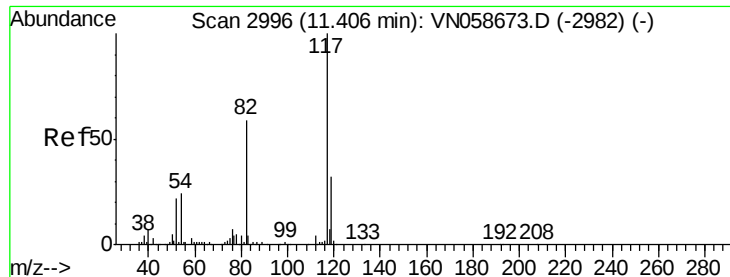
Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tgt Ion:	173	Resp:	78832
Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
254	9.6	7.4	11.2





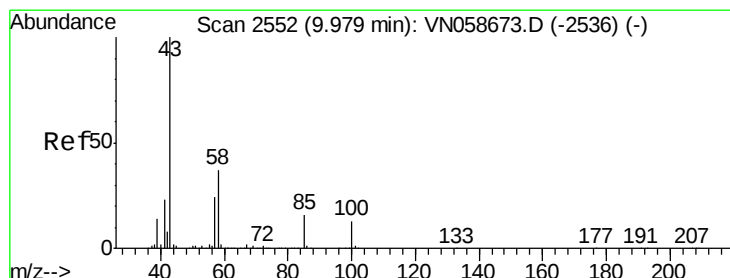
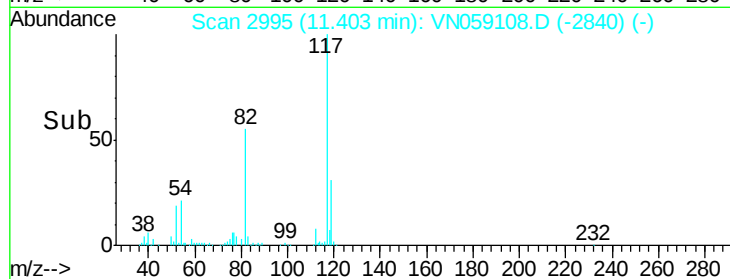
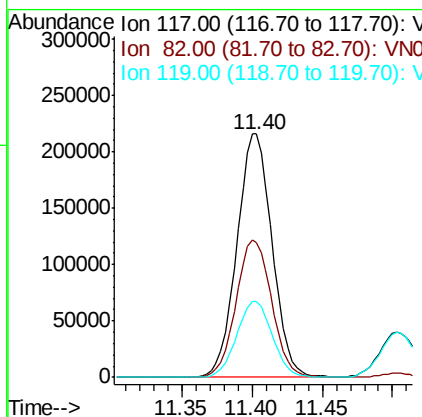
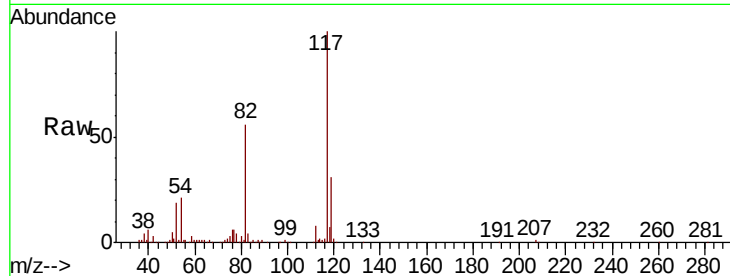
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	117	Resp:	377957
Ion Ratio	Lower	Upper	
117	100		
82	57.3	46.9	70.3
119	31.6	25.8	38.6

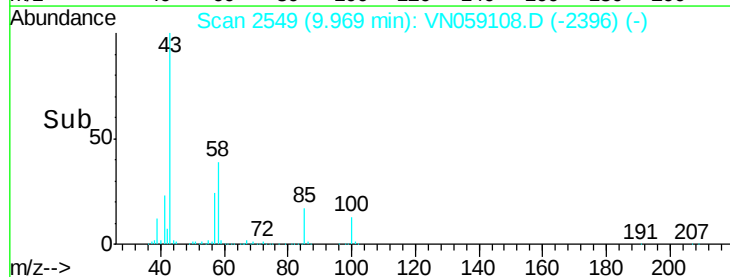
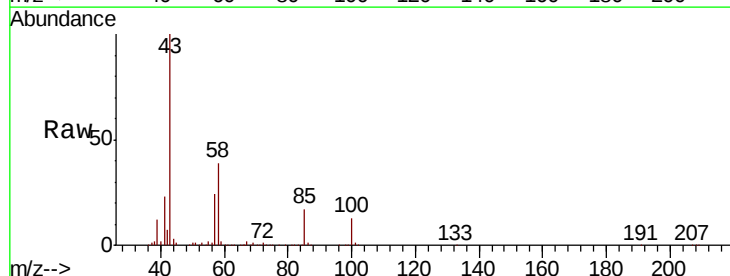
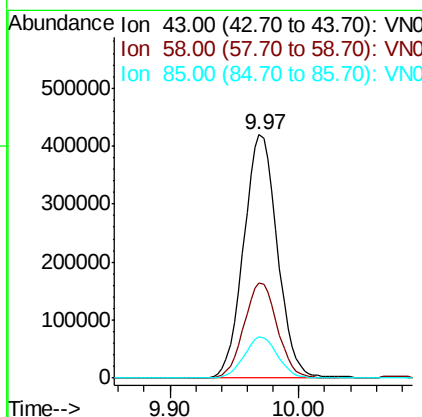
Manual Integrations
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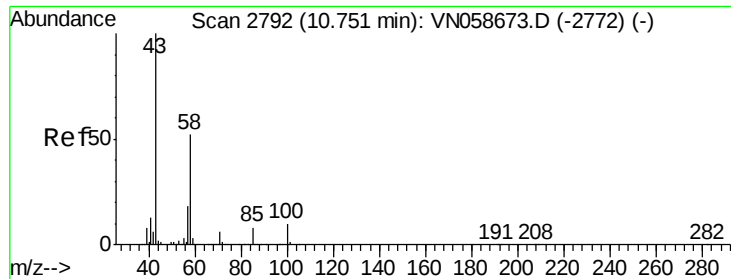
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#58
4-Methyl-2-Pentanone
Concen: 110.610 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion:	43	Resp:	762646
Ion Ratio	Lower	Upper	
43	100		
58	38.9	30.1	45.1
85	16.8	13.2	19.8





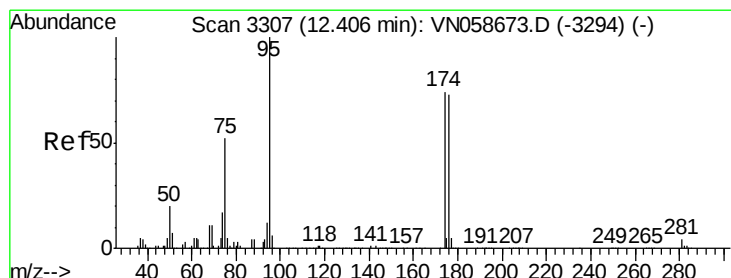
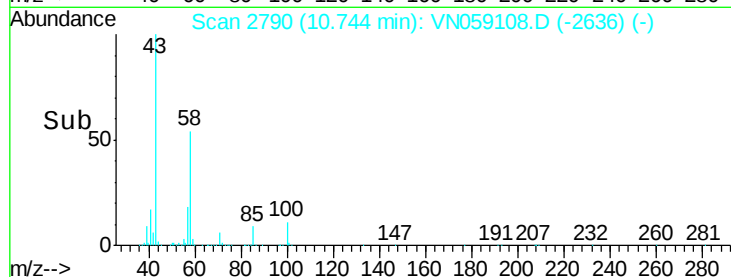
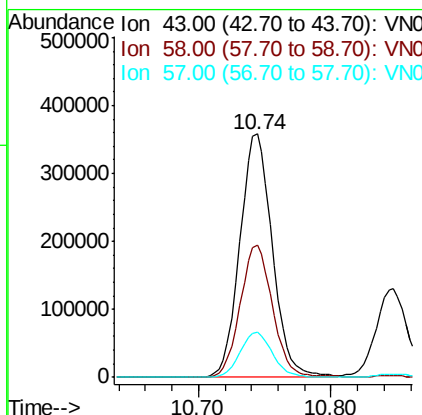
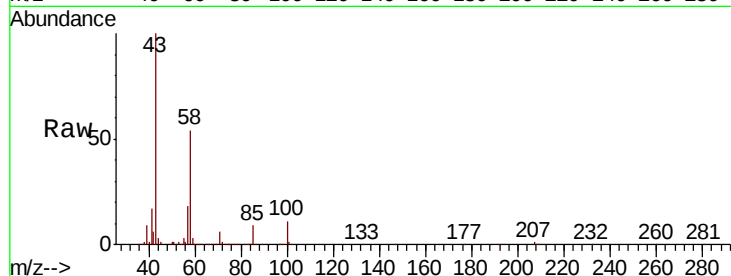
#59
2-Hexanone
Concen: 112.921 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	41.4	62.0
57	18.6	14.7	22.1

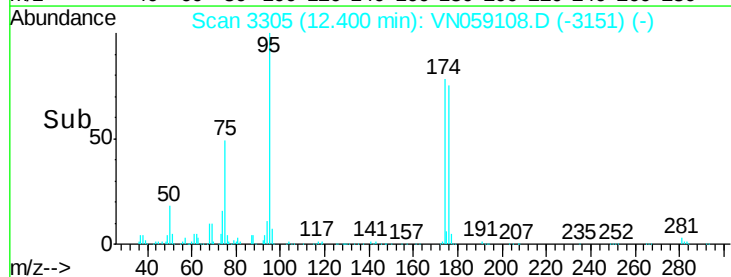
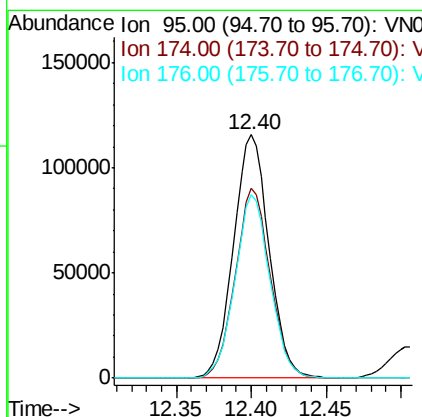
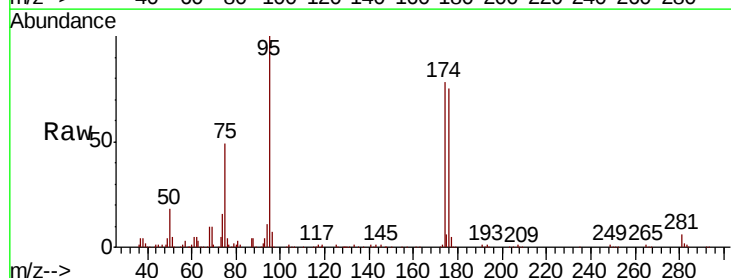
Manual Integrations
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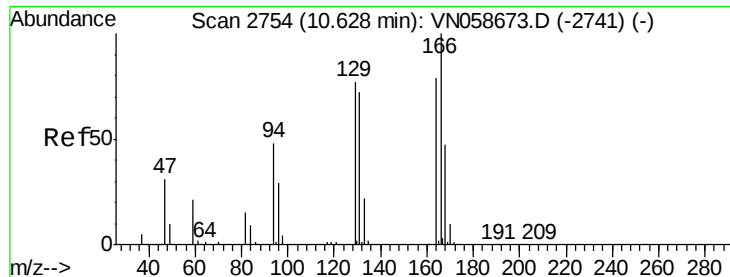
MMDadoda
11/8/2019 9:38:59 AM



#60
4-Bromofluorobenzene
Concen: 28.886 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	59.9	89.9
176	74.5	58.3	87.5





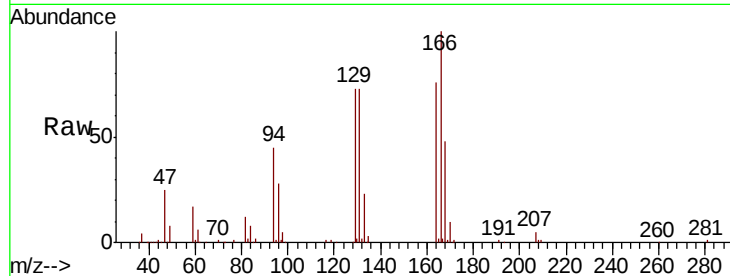
#61
Tetrachloroethene
Concen: 23.255 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.6	101.4	152.2
129	96.4	78.1	117.1
131	95.5	73.2	109.8

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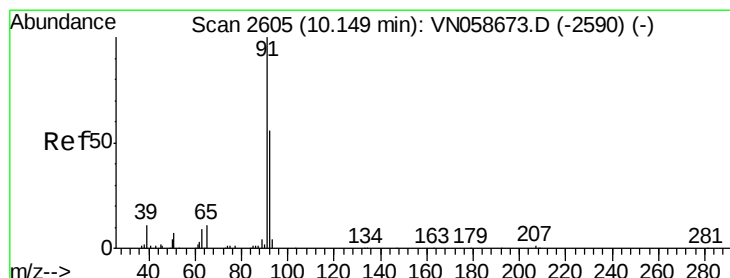
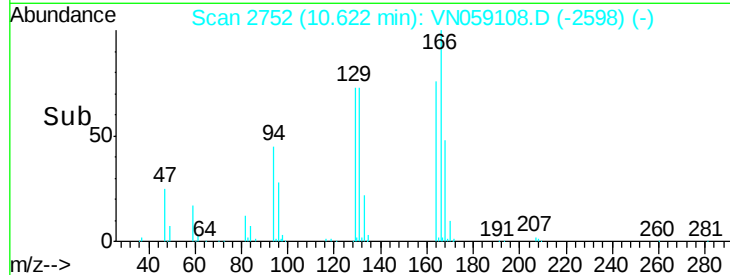
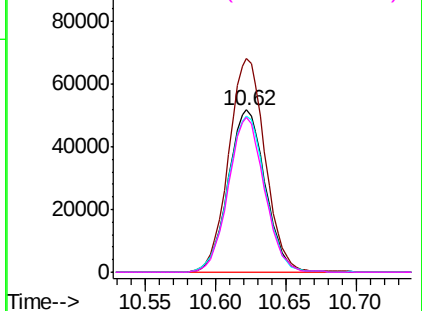
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

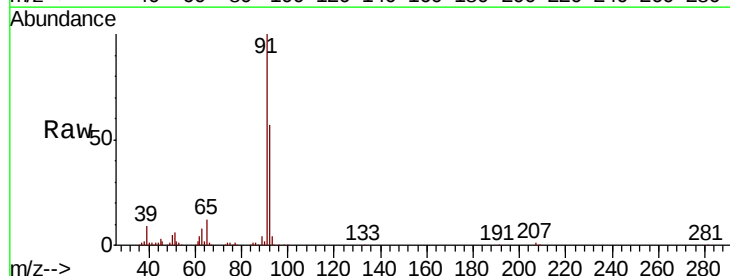
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 22.332 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

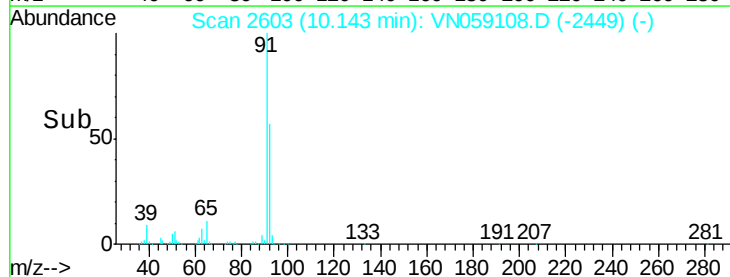
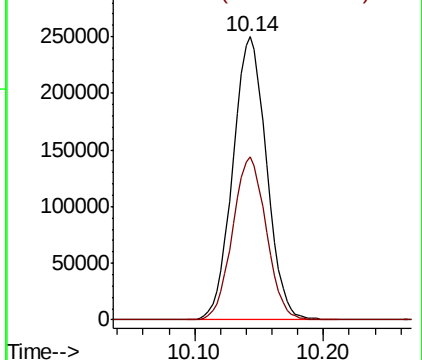
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.4	68.2

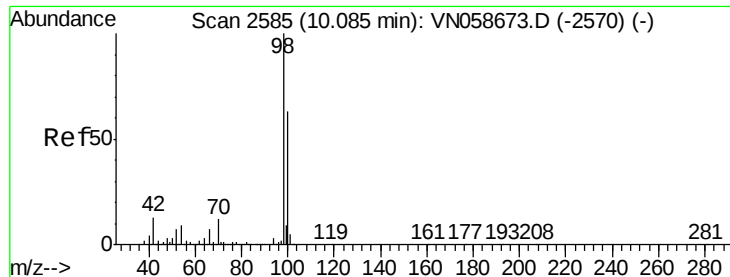


Abundance

Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





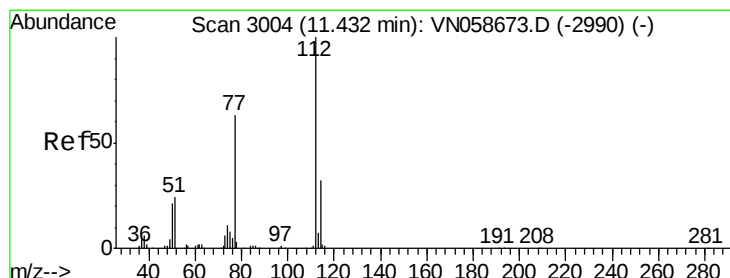
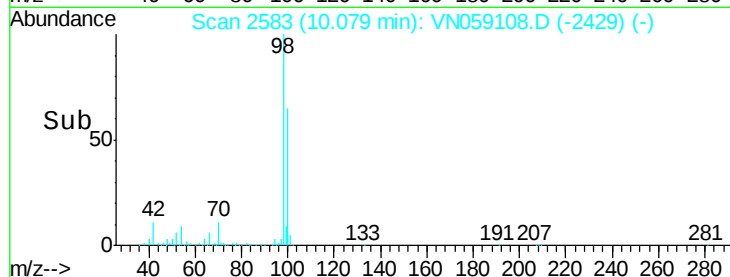
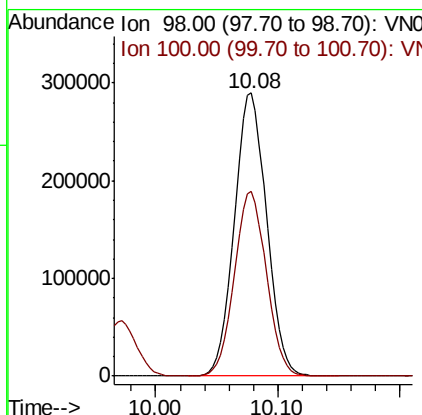
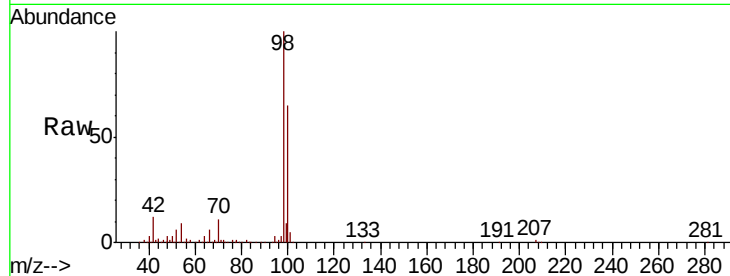
#63
Toluene-d8
Concen: 29.779 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 531431
Ion Ratio Lower Upper
98 100
100 64.2 50.6 75.8

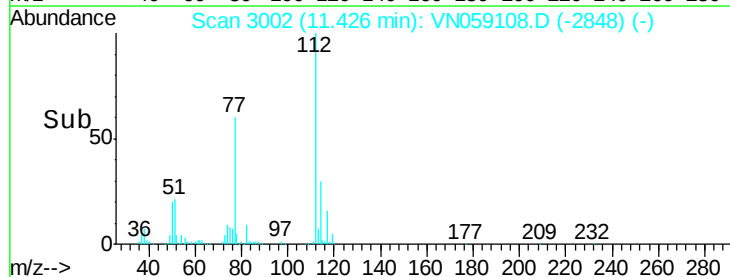
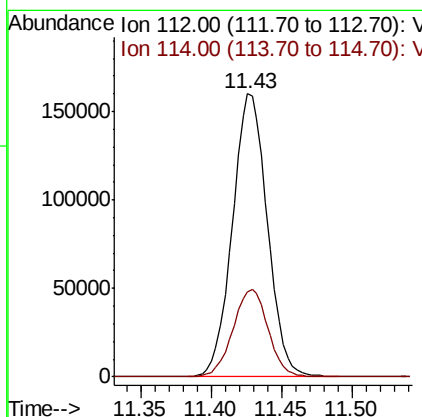
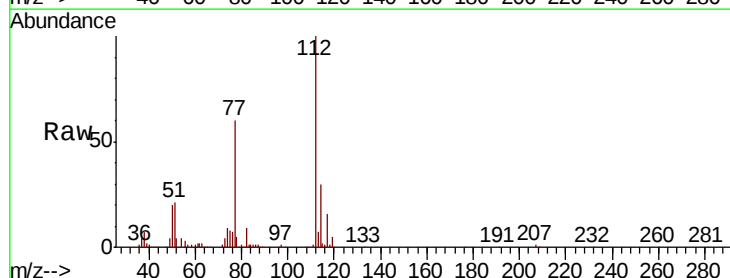
Manual Integrations
APPROVED

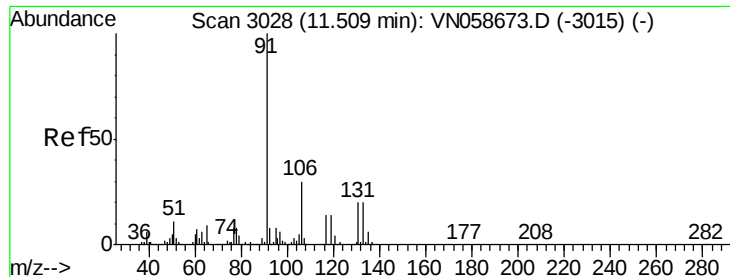
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#64
Chlorobenzene
Concen: 22.341 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 112 Resp: 277695
Ion Ratio Lower Upper
112 100
114 30.1 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 22.337 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

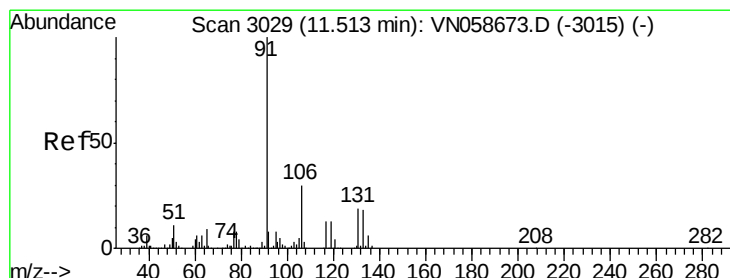
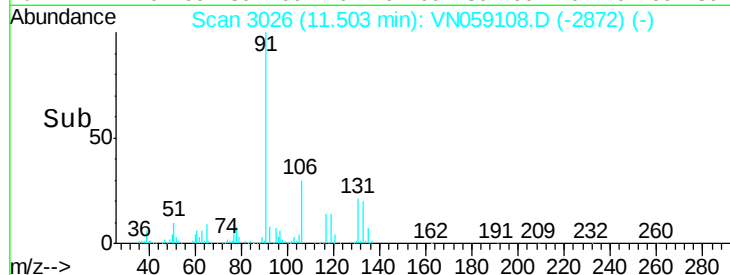
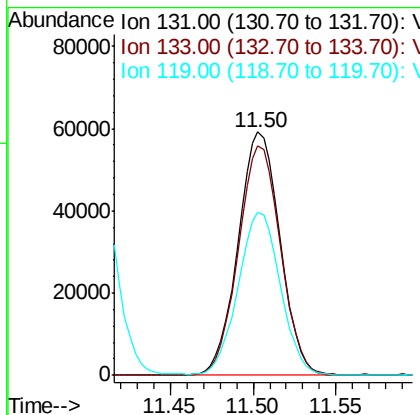
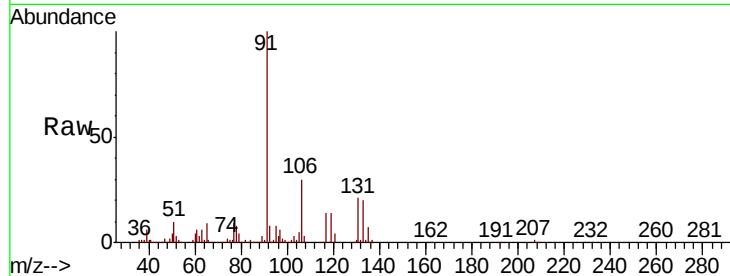
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	104106
Ion Ratio		Lower	Upper
131	100		
133	94.4	0.0	194.0
119	67.7	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 22.066 ug/l

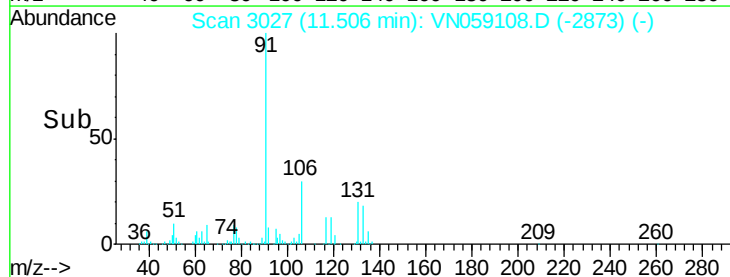
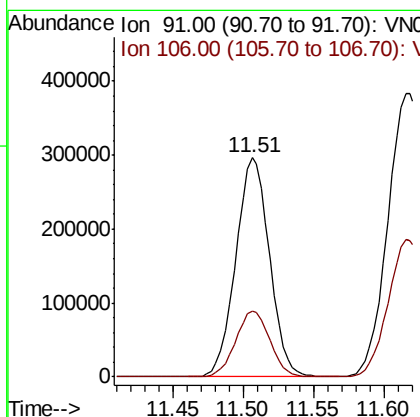
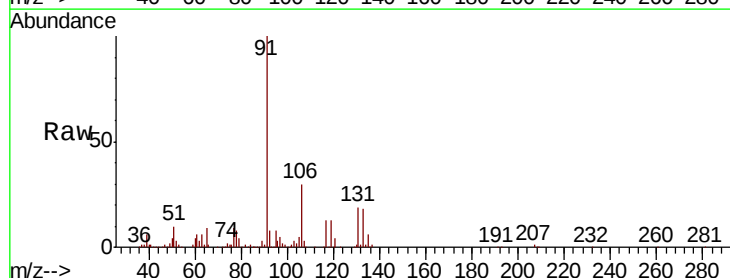
RT: 11.51 min Scan# 3027

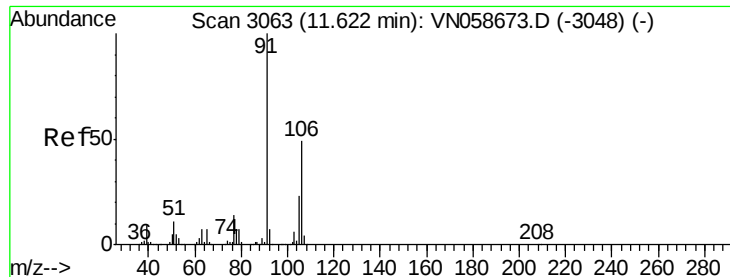
Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tgt Ion:	91	Resp:	496738
Ion Ratio		Lower	Upper
91	100		
106	30.1	24.2	36.4





#67

m/p-Xylenes

Concen: 43.323 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 364371

Ion Ratio Lower Upper

106 100

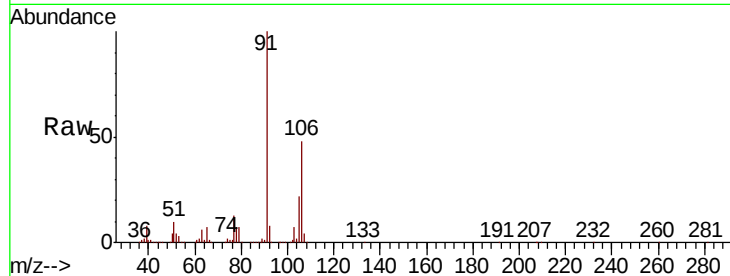
91 208.1 165.6 248.4

Manual Integrations

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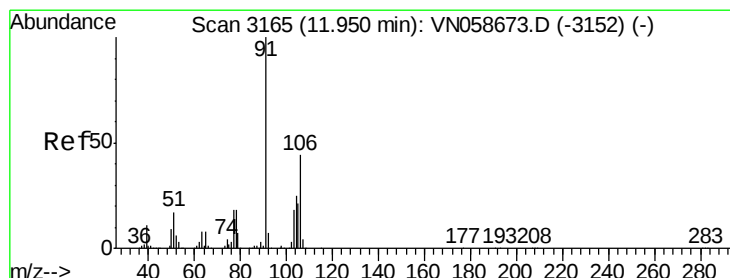
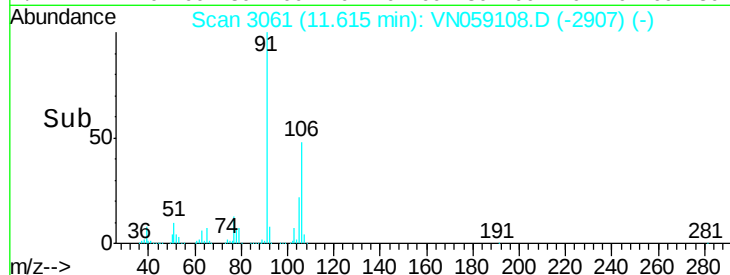
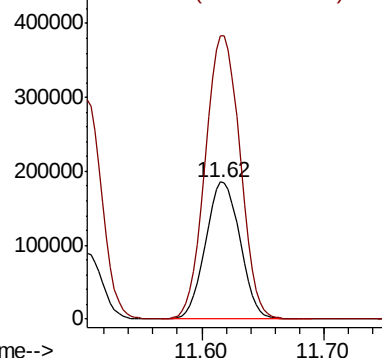
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 21.603 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059108.D

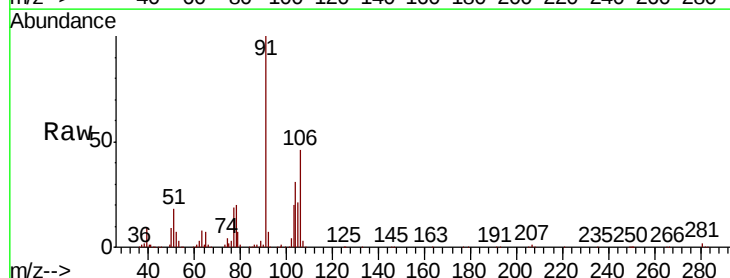
Acq: 7 Nov 2019 8:51

Tgt Ion:106 Resp: 176138

Ion Ratio Lower Upper

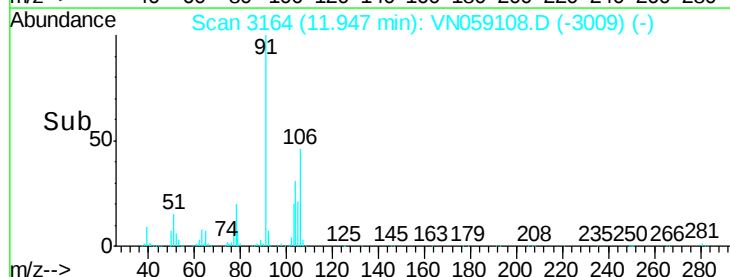
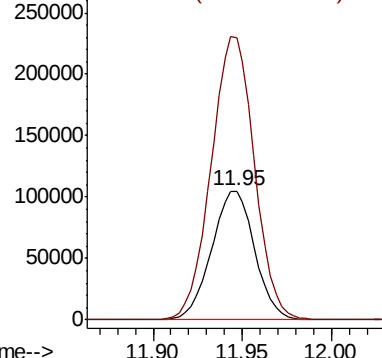
106 100

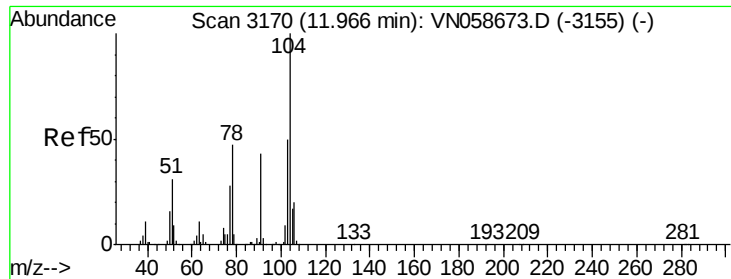
91 221.4 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





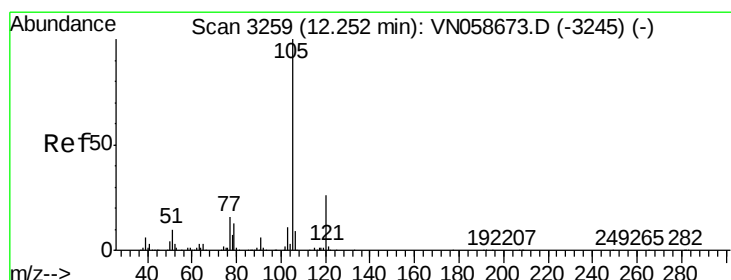
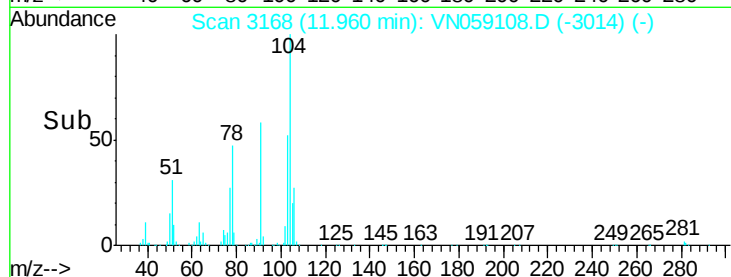
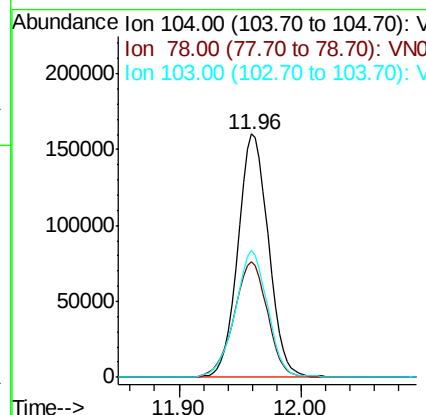
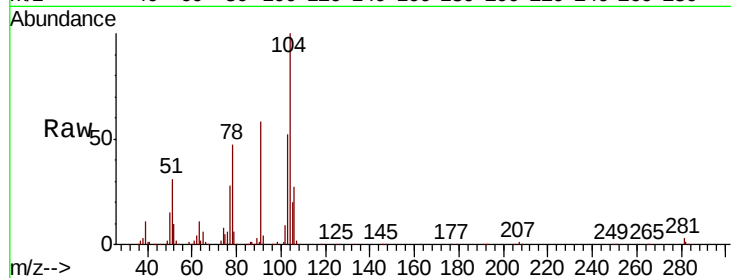
#69
Stvrene
Concen: 20.686 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.4	63.6
103	55.7	44.6	66.8

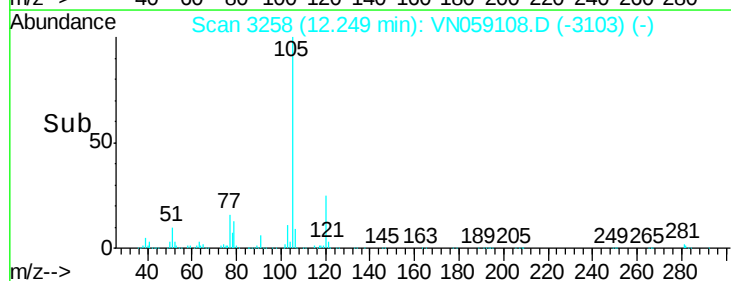
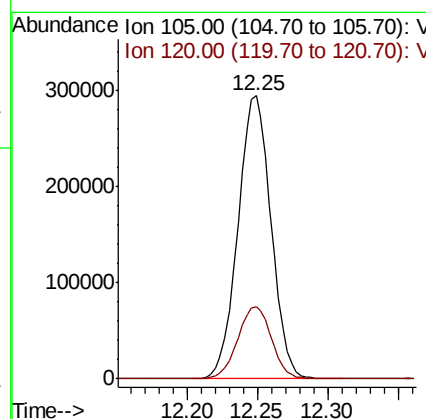
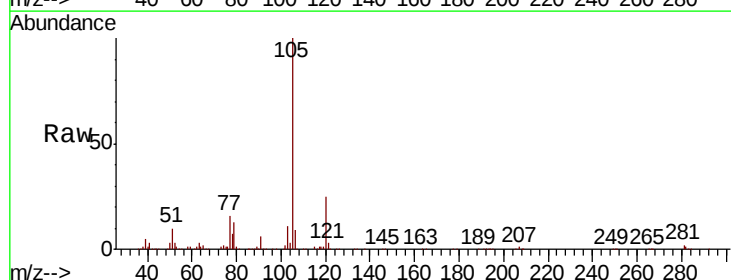
Manual Integrations
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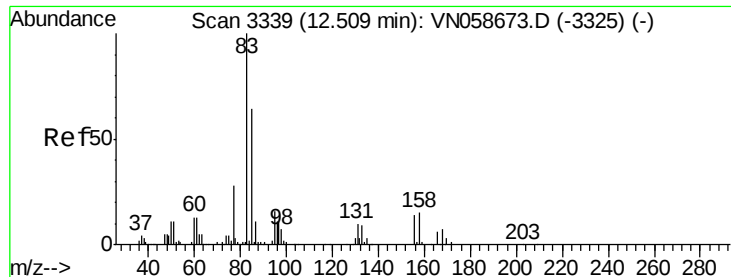
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#70
Isopropylbenzene
Concen: 21.916 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2





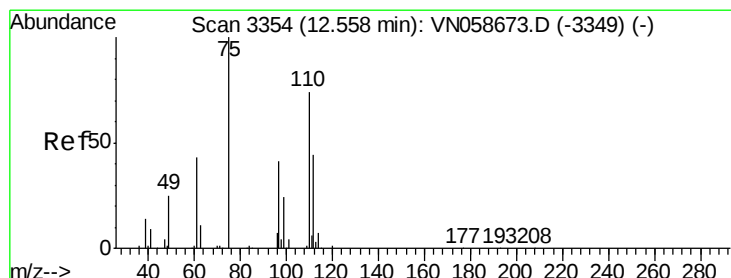
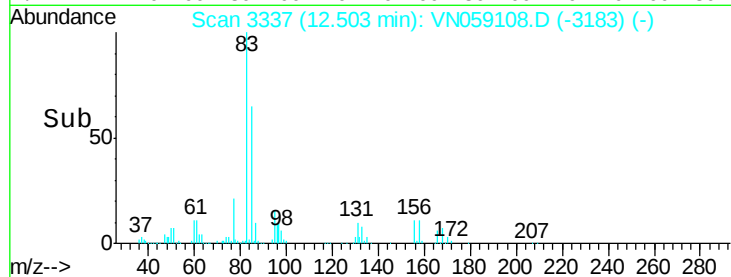
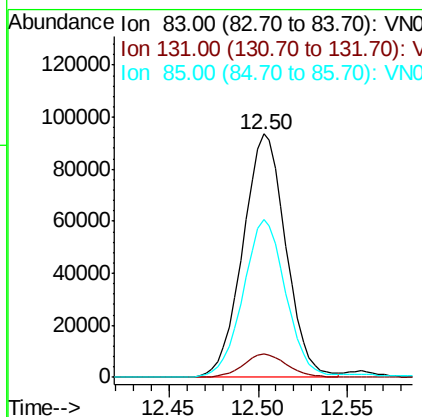
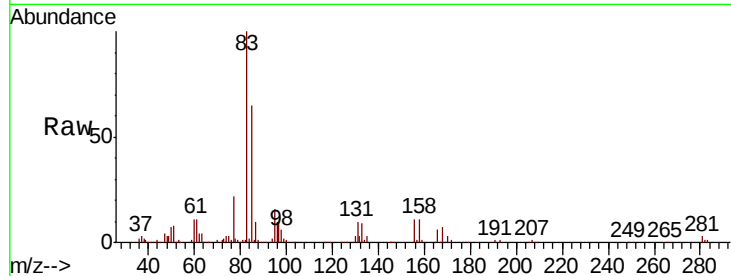
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.239 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	157398		
131	9.9	4.9	14.7	
85	63.8	31.6	94.7	

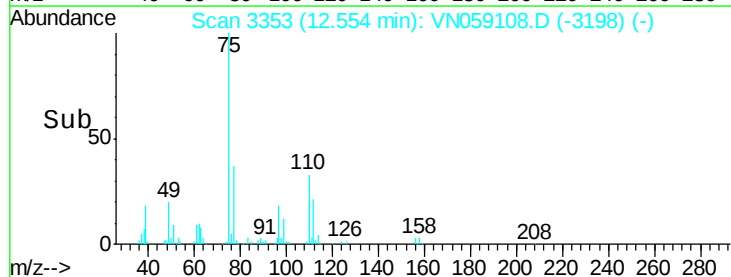
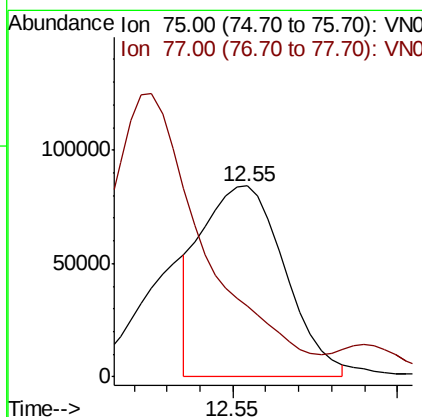
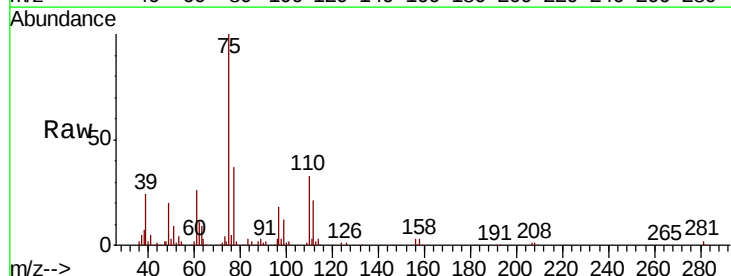
Manual Integrations
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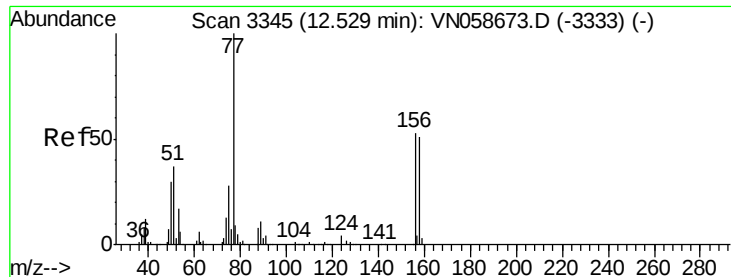
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#72
 1,2,3-Trichloropropane
 Concen: 21.972 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	147544		
77	176.1	0.0	359.4	





#73

Bromobenzene

Concen: 21.390 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

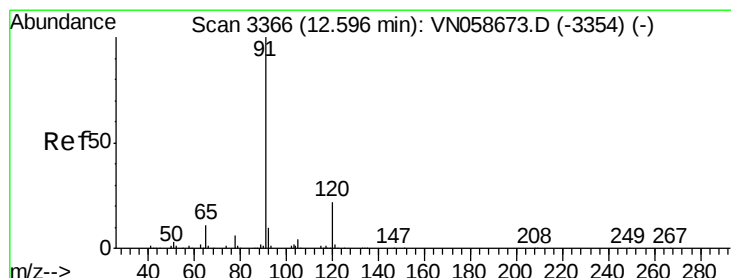
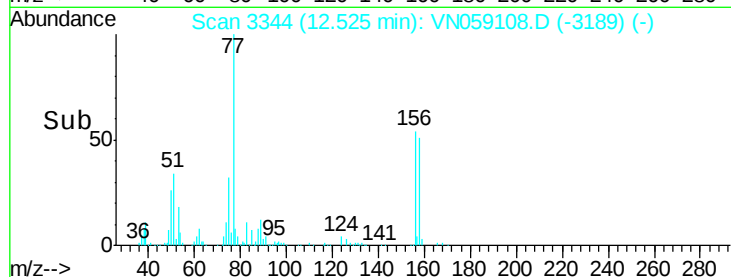
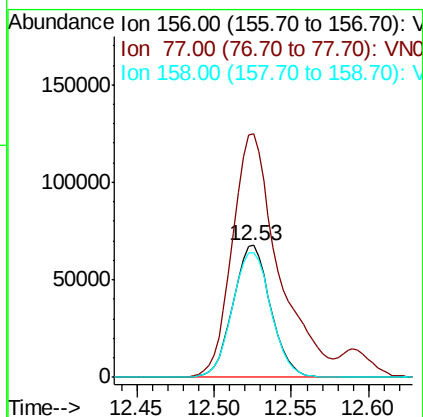
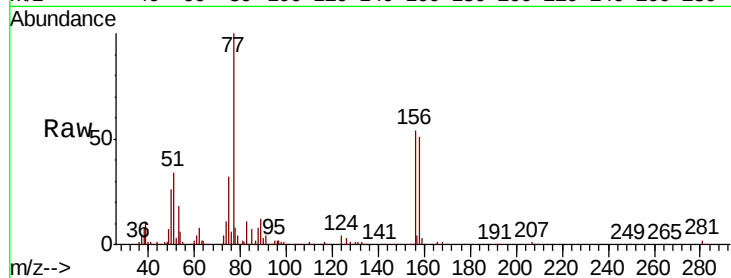
ClientSampleId :

VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	227.2	0.0	456.0		
158	97.3	0.0	195.4		

Manual Integrations
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#74

n-propylbenzene

Concen: 21.648 ug/l

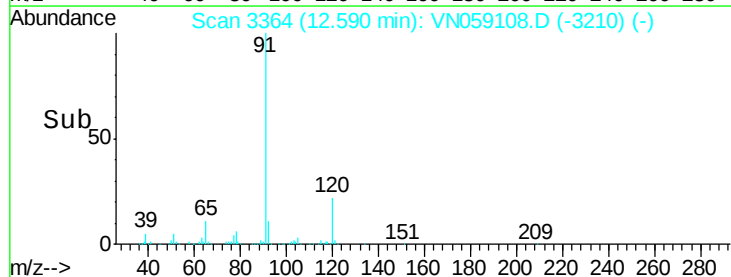
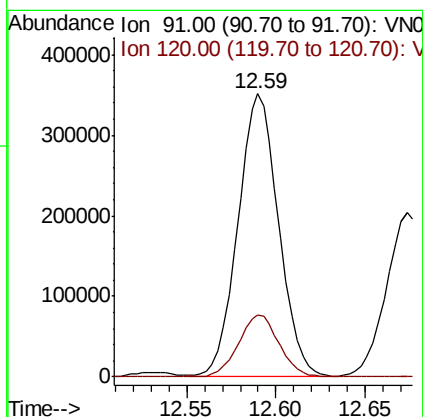
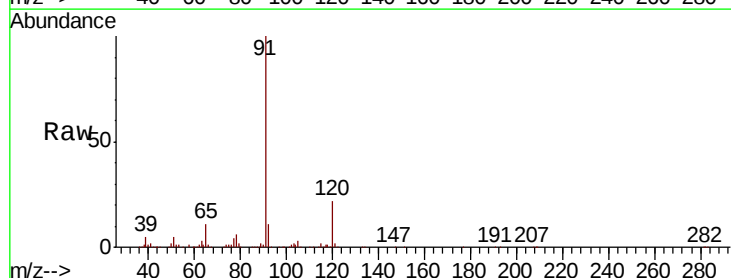
RT: 12.59 min Scan# 3364

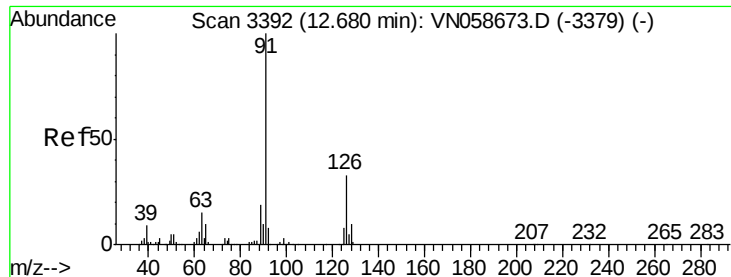
Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9	0.0	43.6		





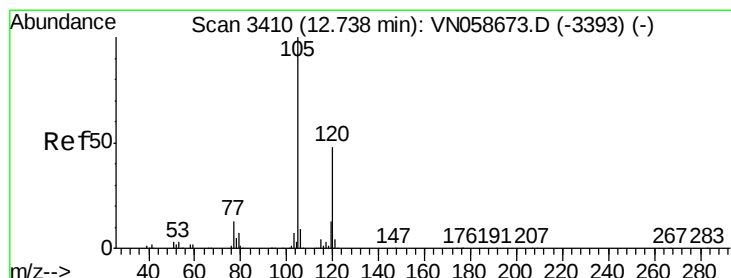
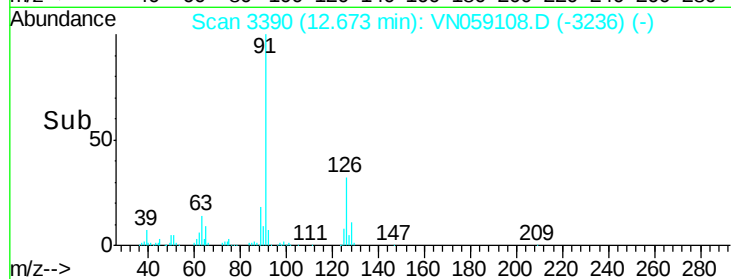
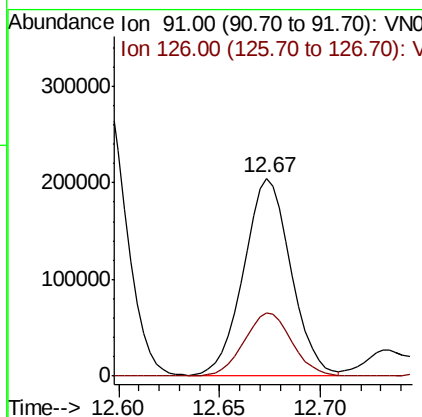
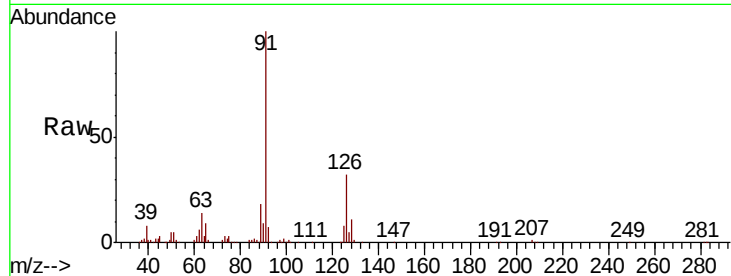
#75
2-Chlorotoluene
Concen: 21.663 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	65.4

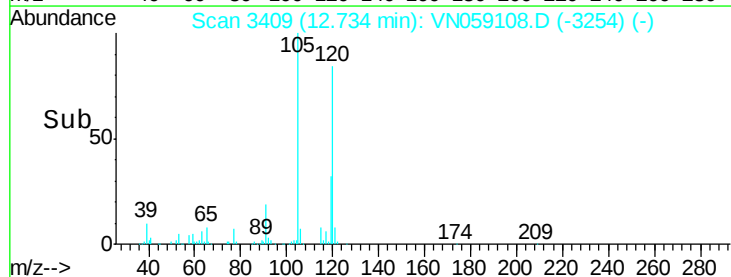
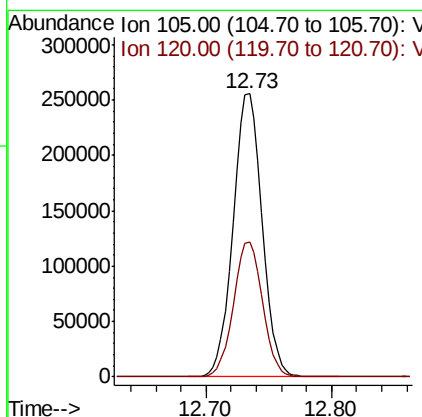
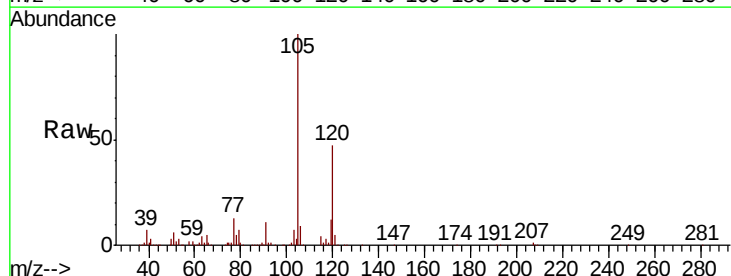
Manual Integrations
APPROVED

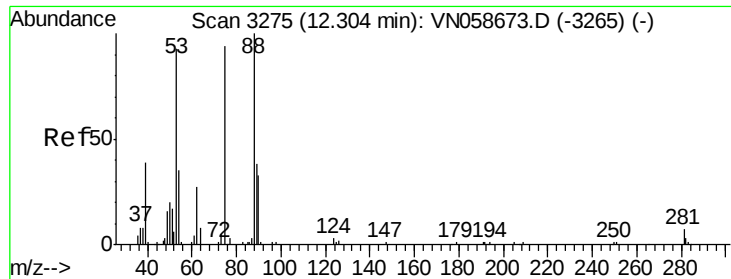
MMDadoda
11/8/2019 9:38:59 AM



#76
1,3,5-Trimethylbenzene
Concen: 21.695 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	0.0	94.0





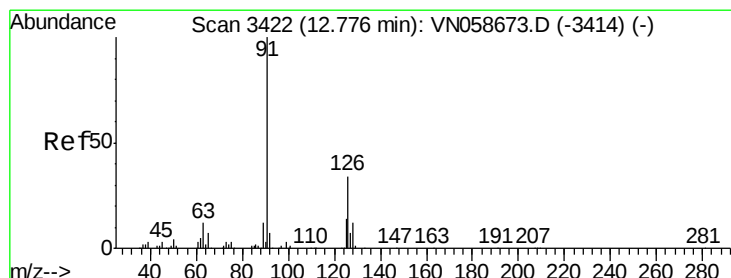
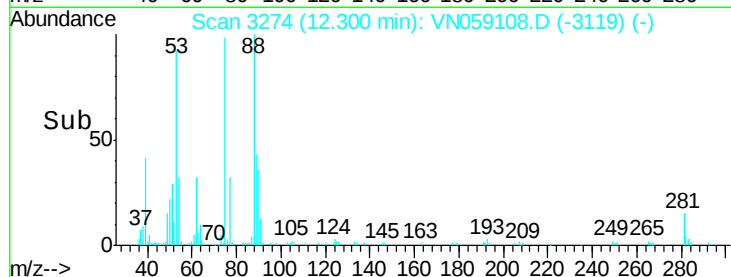
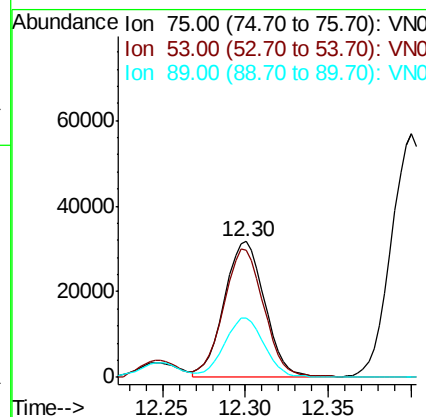
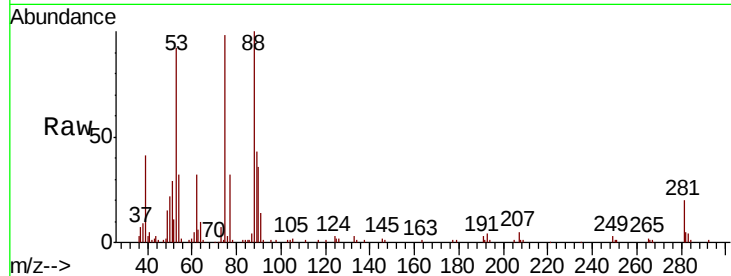
#77
t-1,4-Dichloro-2-butene
Concen: 20.905 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	50.0	150.0
89	44.1	20.7	62.1

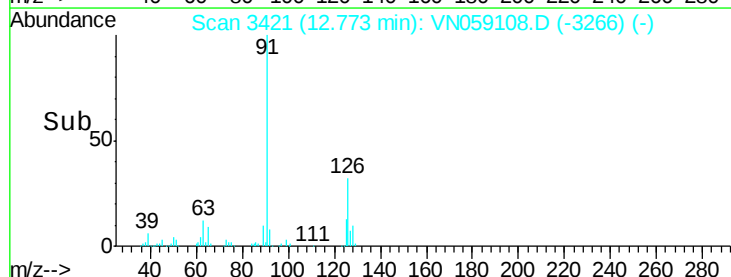
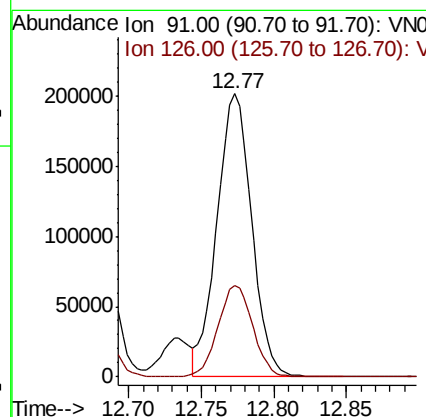
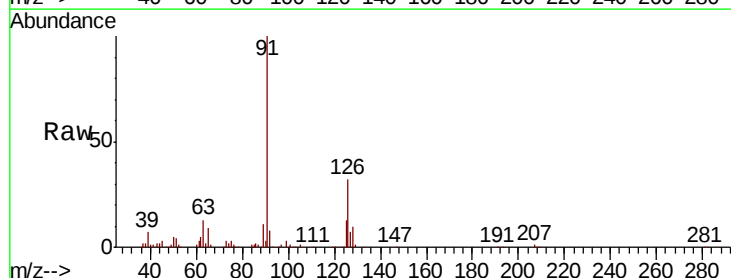
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11/8/2019 9:38:59 AM



#78
4-Chlorotoluene
Concen: 20.891 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	0.0	63.4





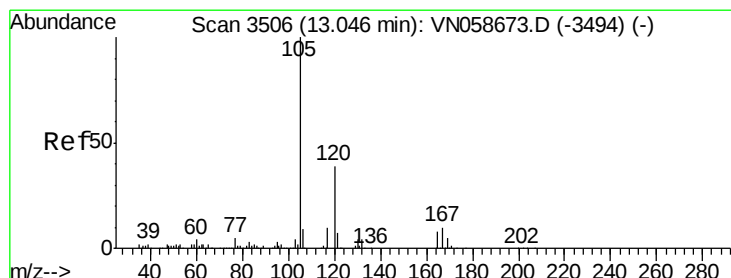
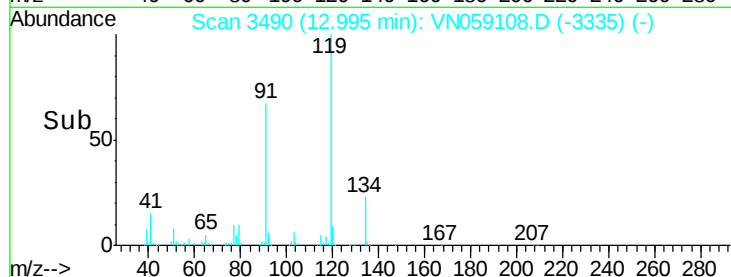
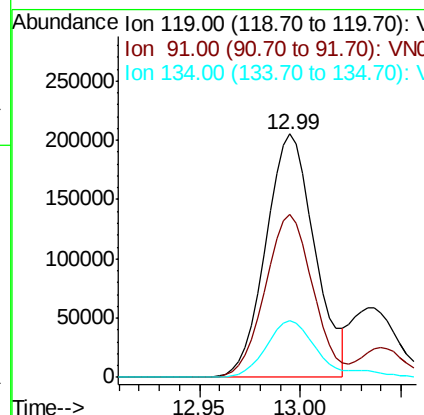
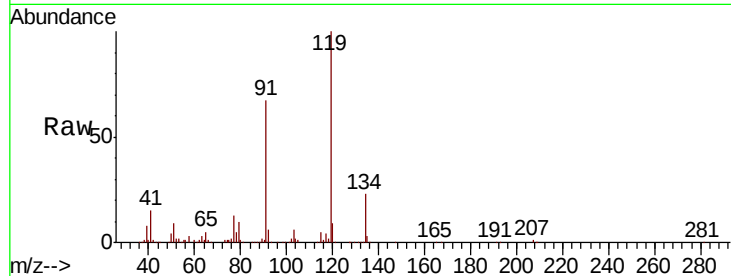
#79
tert-butylbenzene
Concen: 21.474 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	345908		
91	65.7	0.0	136.4	
134	24.9	0.0	47.2	

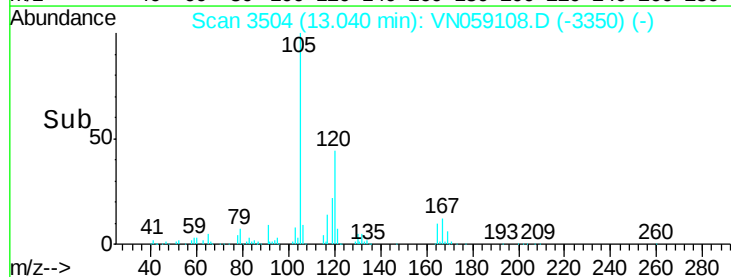
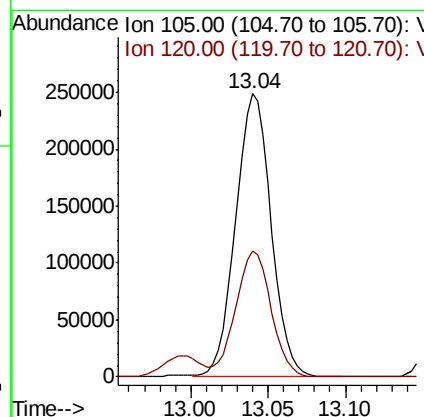
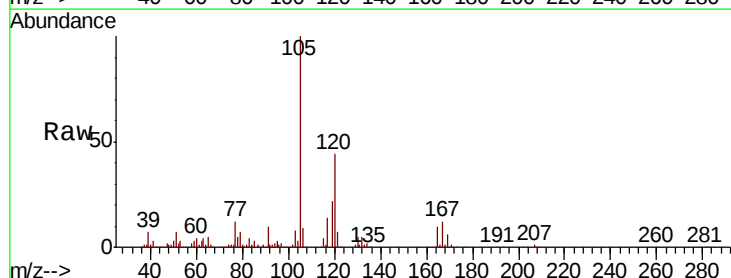
Manual Integrations
APPROVED

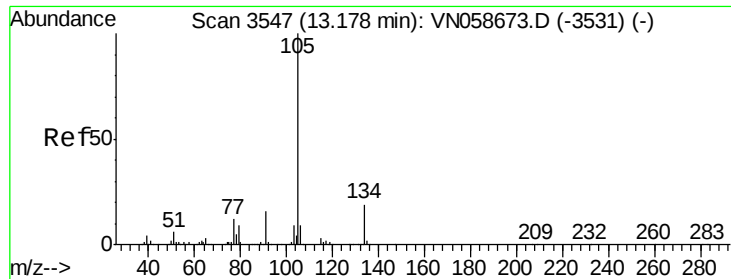
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 21.131 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	395884		
120	44.5	0.0	89.2	





#81

sec-Butylbenzene

Concen: 21.148 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 458441

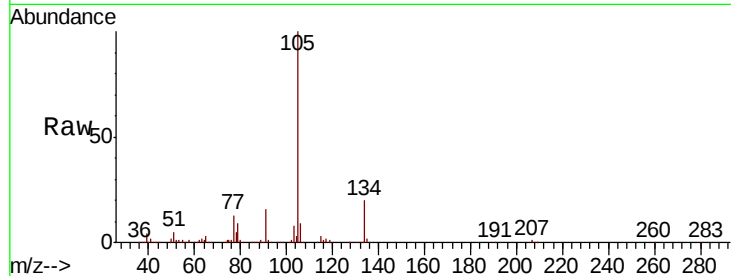
Ion Ratio Lower Upper

105 100

134 19.3 0.0 38.0

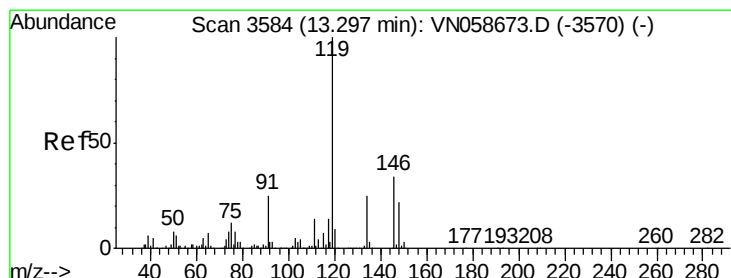
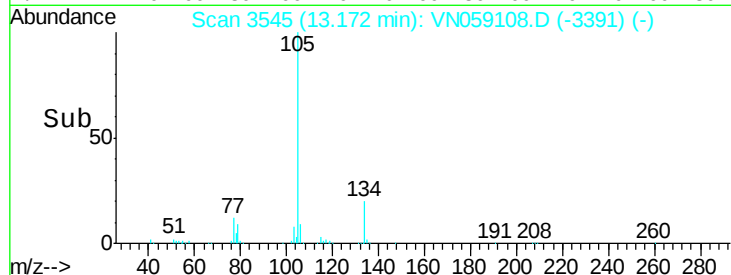
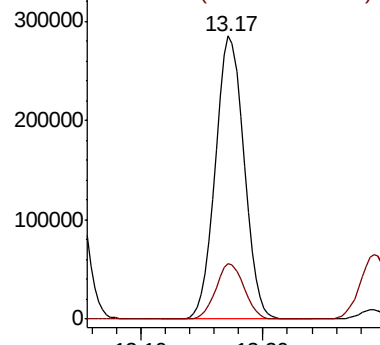
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.909 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

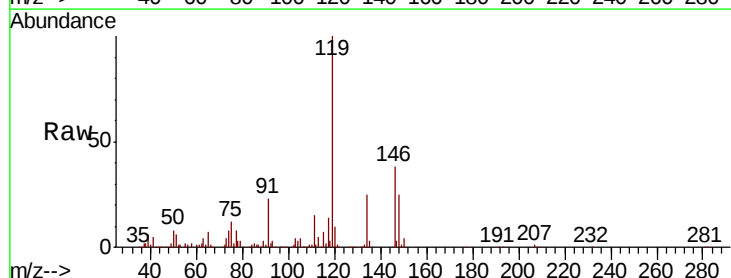
Tgt Ion:119 Resp: 407030

Ion Ratio Lower Upper

119 100

134 25.7 0.0 50.8

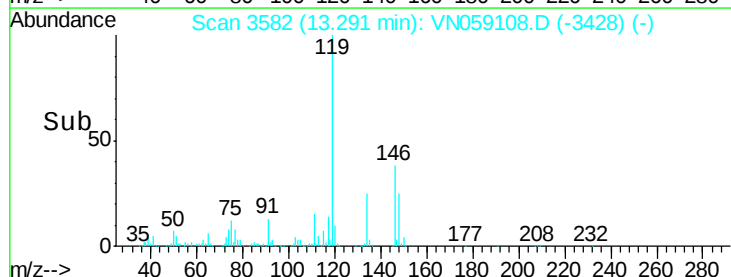
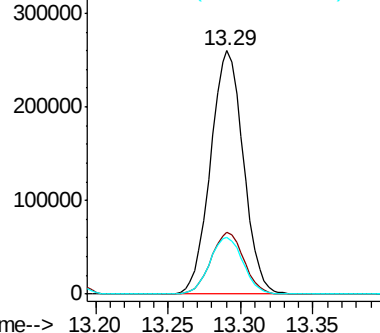
91 23.8 0.0 49.4

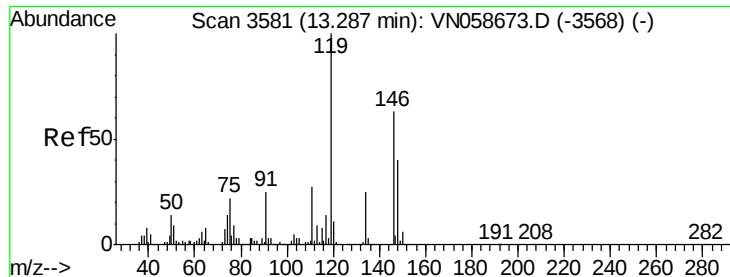


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





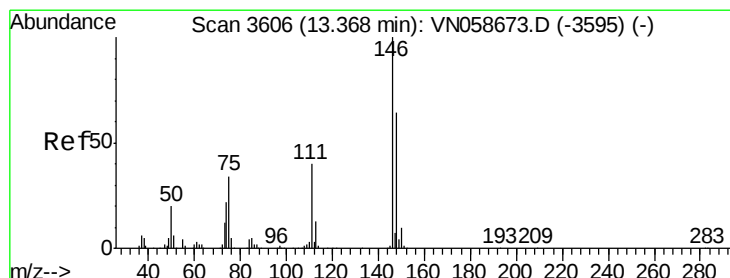
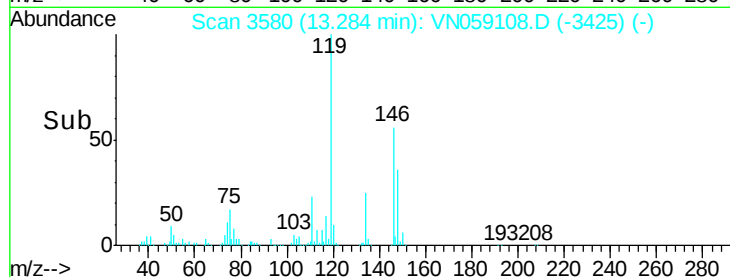
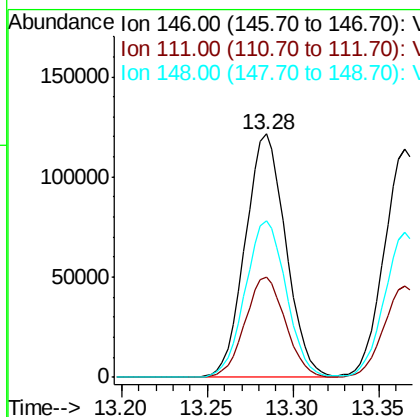
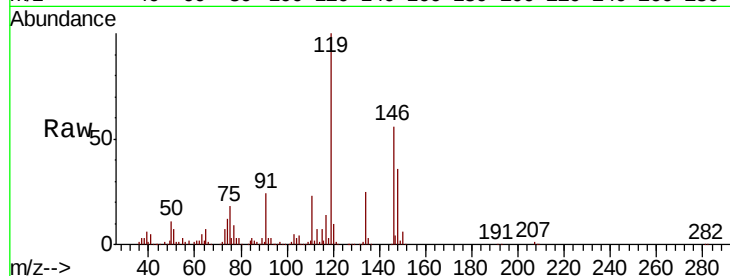
#83
 1,3-Dichlorobenzene
 Concen: 20.632 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199622		
111	40.8	21.0	63.0	
148	64.8	31.7	95.1	

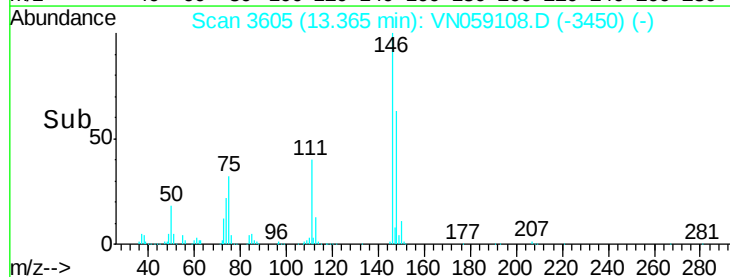
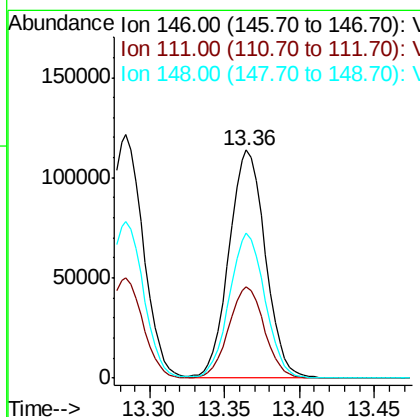
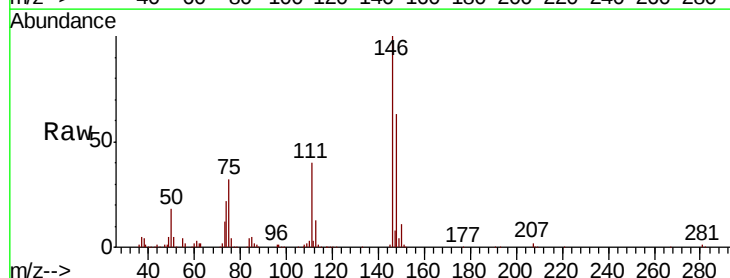
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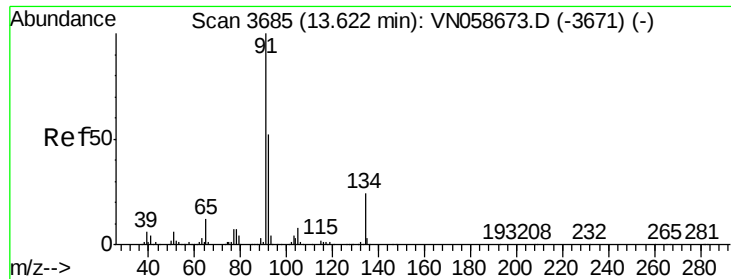
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#84
 1,4-Dichlorobenzene
 Concen: 19.824 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	191577		
111	38.8	19.8	59.4	
148	62.1	31.6	94.8	





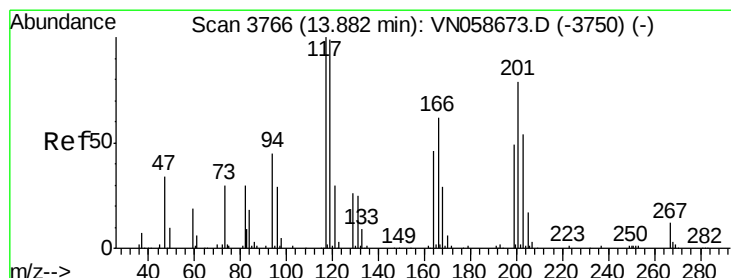
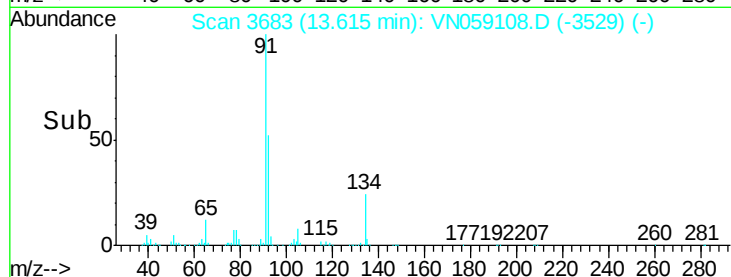
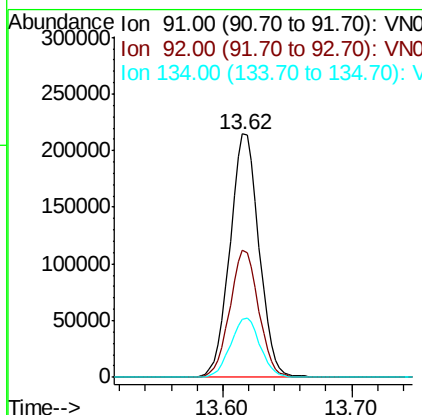
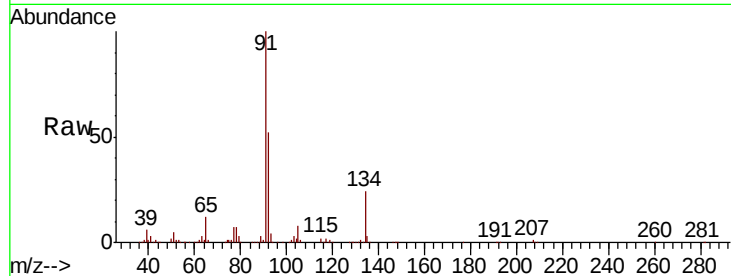
#85
n-Butylbenzene
Concen: 18.874 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.8	0.0	102.8	
134	24.7	0.0	48.6	

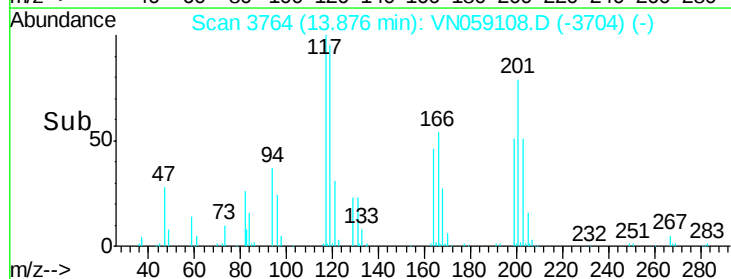
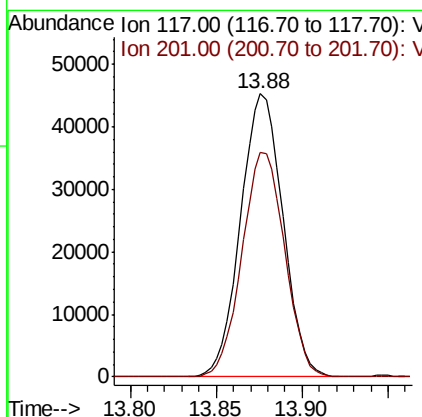
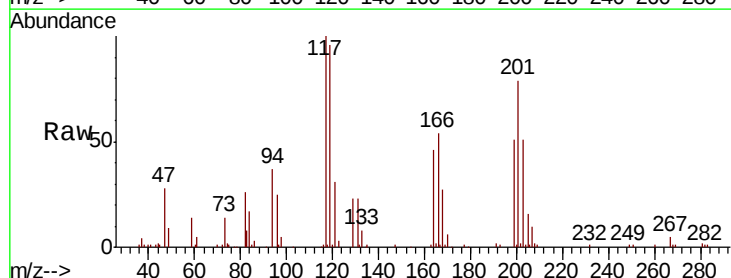
Manual Integrations
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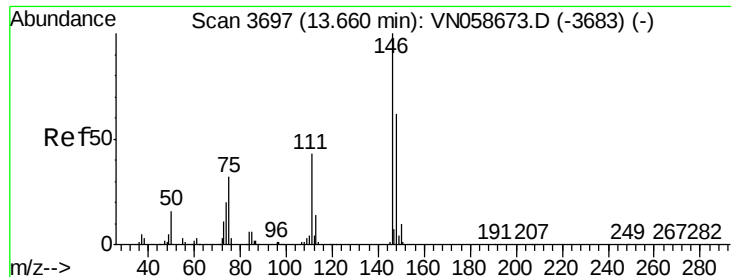
MMDadoda
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#86
Hexachloroethane
Concen: 21.865 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.7	38.7	116.1	





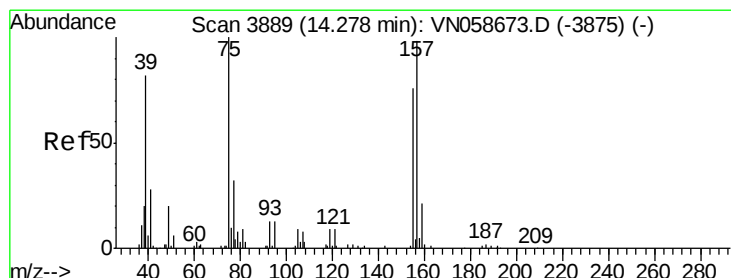
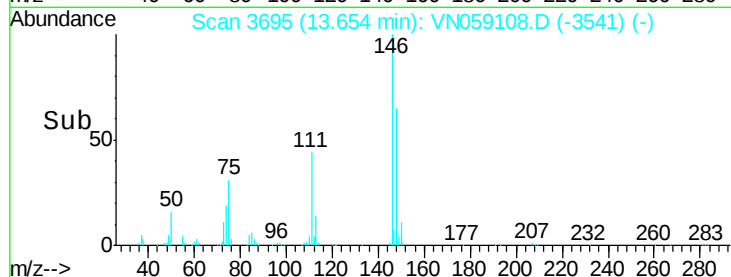
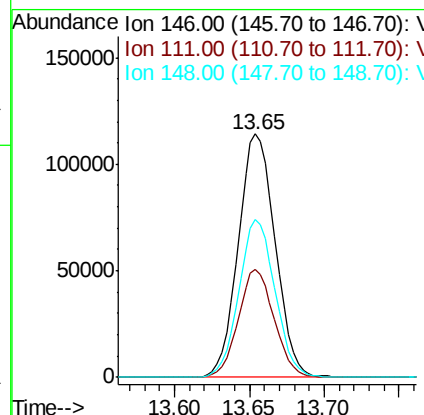
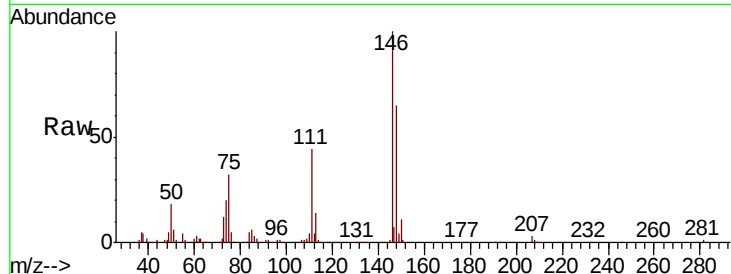
#87
 1,2-Dichlorobenzene
 Concen: 20.506 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195867		
111	42.9	21.8	65.4	
148	63.5	32.1	96.5	

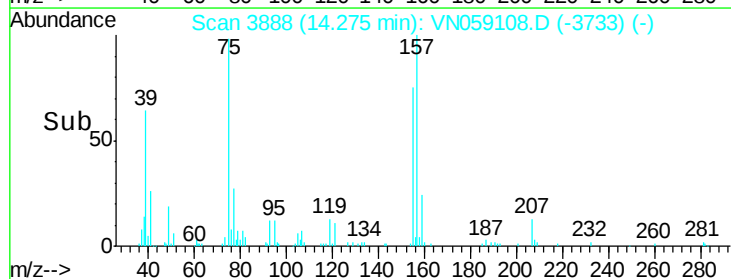
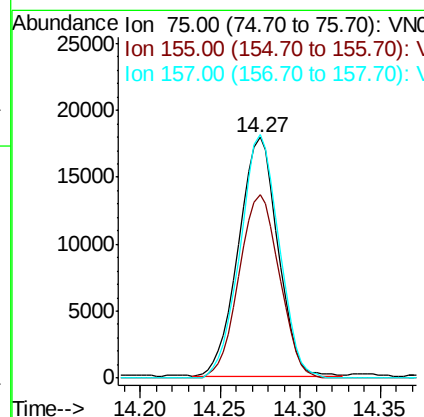
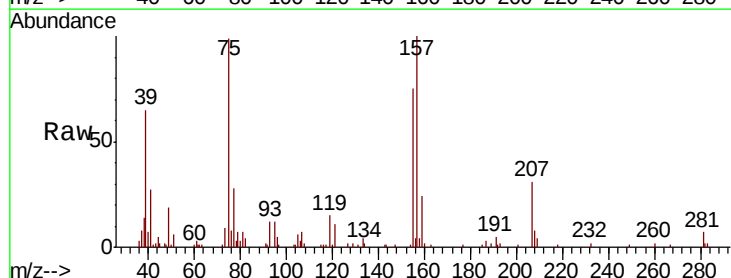
Manual Integrations
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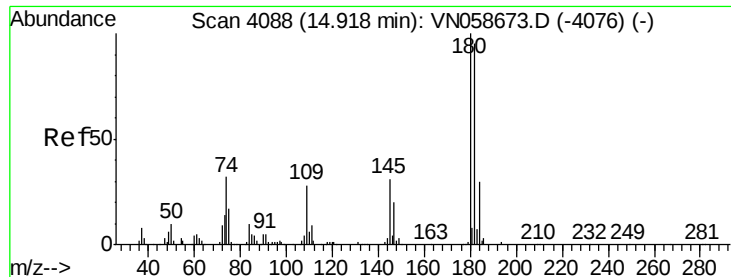
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 11/8/2019 9:38:59 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.141 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29923		
155	78.6	58.3	87.5	
157	100.6	75.0	112.6	





#89

1,2,4-Trichlorobenzene

Concen: 16.436 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

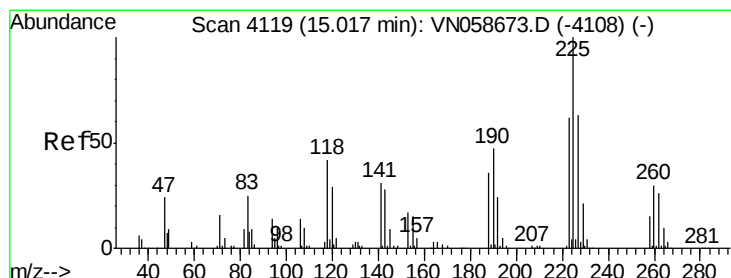
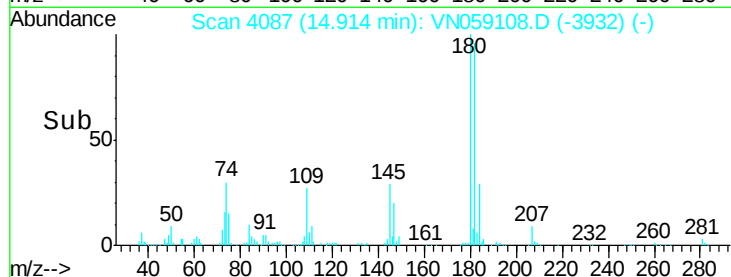
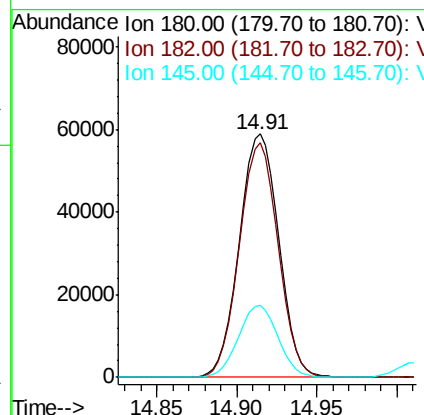
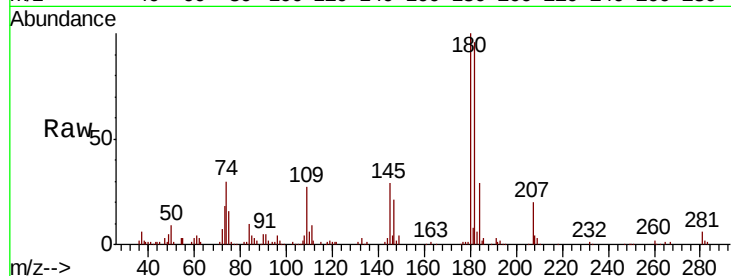
ClientSampleId :

VSTDCCC020

Tot Ion:	180	Resp:	99125
Ion Ratio	Lower	Upper	
180	100		
182	94.7	75.3	112.9
145	29.6	24.8	37.2

Manual Integrations
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#90

Hexachlorobutadiene

Concen: 21.376 ug/l

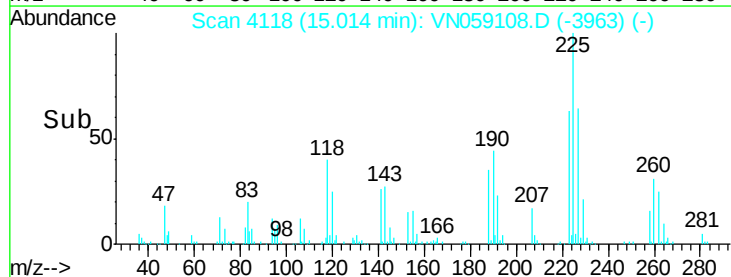
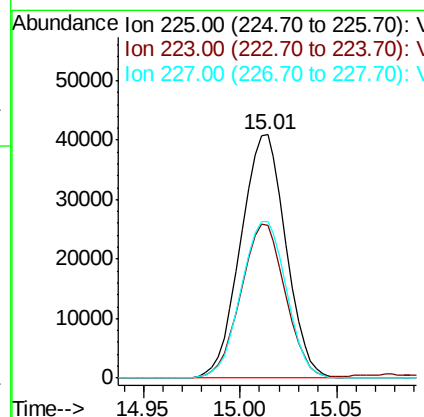
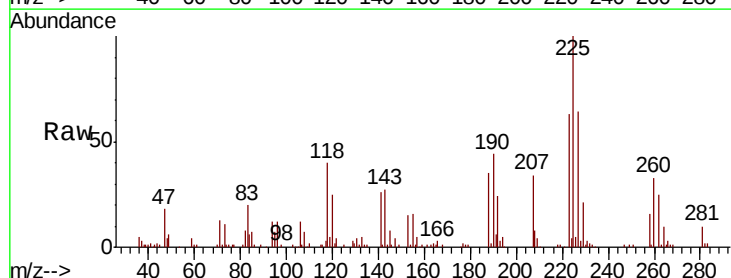
RT: 15.01 min Scan# 4118

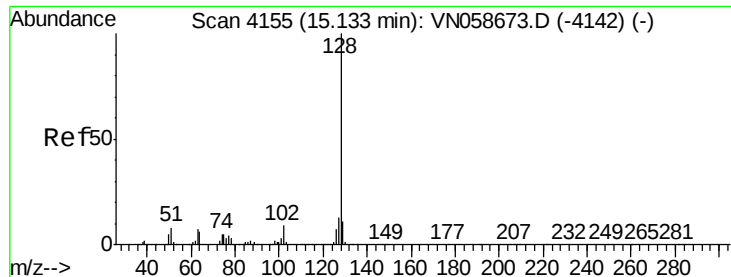
Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Tgt Ion:	225	Resp:	66573
Ion Ratio	Lower	Upper	
225	100		
223	62.7	0.0	126.2
227	64.4	0.0	127.0





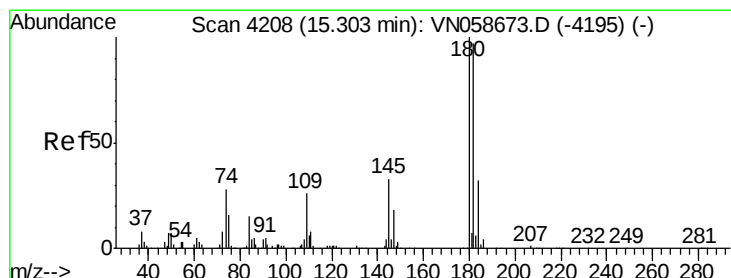
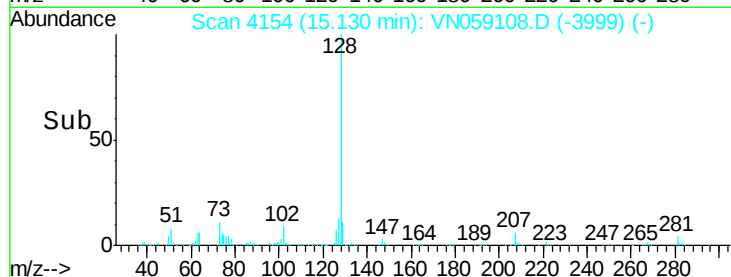
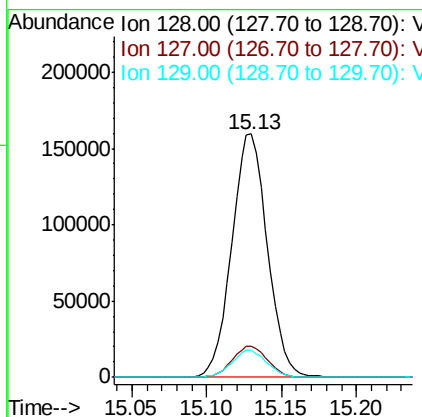
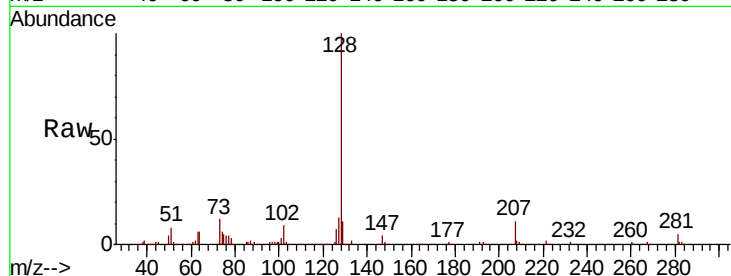
#91
Naphthalene
Concen: 14.834 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:38:59 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.420 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	0.0	193.4
145	32.5	0.0	65.8

