

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059203.D
 Acq On : 12 Nov 2019 19:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:35 PM

Quant Time: Nov 13 07:40:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	432349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	673697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	621597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	298572	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	252220	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	7.57	113	202892	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.08	98	776389	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.40	95	289230	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	194980	44.760	ug/l	99
3) Chloromethane	2.04	50	263750	44.542	ug/l	99
4) Vinyl Chloride	2.17	62	265816	46.302	ug/l	98
5) Bromomethane	2.53	94	158303	47.917	ug/l	100
6) Chloroethane	2.68	64	161395	47.525	ug/l	98
7) Trichlorofluoromethane	3.00	101	331345	48.253	ug/l	99
8) Diethyl Ether	3.39	74	138691	49.708	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200055	48.320	ug/l	99
10) Methyl Iodide	3.93	142	257459	50.238	ug/l	100
11) Tert butyl alcohol	4.75	59	243821	240.724	ug/l	100
12) 1,1-Dichloroethene	3.71	96	190469	47.226	ug/l	97
13) Acrolein	3.58	56	161697	309.639	ug/l	99
14) Allyl chloride	4.29	41	389927m	47.066	ug/l	
15) Acrylonitrile	4.95	53	636190	252.389	ug/l	98
16) Acetone	3.79	43	556498	201.357	ug/l	98
17) Carbon Disulfide	4.03	76	538254	42.992	ug/l	98
18) Methyl Acetate	4.29	43	343180	52.314	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	711588	51.246	ug/l	100
20) Methylene Chloride	4.52	84	233973	48.594	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	208277	48.110	ug/l	96
22) Diisopropyl ether	5.92	45	794874	50.796	ug/l	98
23) Vinyl Acetate	5.86	43	3267392	269.414	ug/l	100
24) 1,1-Dichloroethane	5.82	63	432988	49.541	ug/l	98
25) 2-Butanone	6.81	43	868459	238.427	ug/l	100
26) 2,2-Dichloropropane	6.80	77	353697	46.281	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	250893	49.953	ug/l	99
28) Bromochloromethane	7.17	49	128319	48.800	ug/l	99
29) Tetrahydrofuran	7.18	42	582474	251.673	ug/l	99
30) Chloroform	7.35	83	416078	49.627	ug/l	100
31) Cyclohexane	7.63	56	375052	45.329	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	352809	50.052	ug/l	100
36) 1,1-Dichloropropene	7.77	75	310499	49.308	ug/l	99
37) Ethyl Acetate	6.90	43	353120	50.407	ug/l	99
38) Carbon Tetrachloride	7.75	117	308271	49.185	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	361107	49.410	ug/l	99
40) Benzene	8.02	78	946930	49.936	ug/l	99
41) Methacrylonitrile	7.15	41	158515m	52.037	ug/l	
42) 1,2-Dichloroethane	8.10	62	328834	50.561	ug/l	99
43) Isopropyl Acetate	8.14	43	557560	49.924	ug/l	99
44) Trichloroethene	8.82	130	232025	49.776	ug/l	98
45) 1,2-Dichloropropane	9.10	63	264290	51.312	ug/l	100
46) Dibromomethane	9.19	93	160031	49.860	ug/l	98
47) Bromodichloromethane	9.39	83	330317	51.539	ug/l	98
48) Methyl methacrylate	9.18	41	260748	52.196	ug/l	98
49) 1,4-Dioxane	9.18	88	89818	1011.714	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1774207	280.760	ug/l	99
52) Toluene	10.14	92	578357	50.886	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	378570	51.127	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	412059	51.734	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	234050	50.883	ug/l	99
56) Ethyl methacrylate	10.42	69	374289	48.832	ug/l	99
57) 1,3-Dichloropropane	10.70	76	407971	51.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	743092	290.280	ug/l	100
59) 2-Hexanone	10.74	43	1312504	270.600	ug/l	100
60) Dibromochloromethane	10.90	129	258085	53.067	ug/l	99
61) 1,2-Dibromoethane	11.00	107	239757	51.489	ug/l	100
64) Tetrachloroethene	10.62	164	202849	47.992	ug/l	97
65) Chlorobenzene	11.43	112	617262	50.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	233360	51.339	ug/l	99
67) Ethyl Benzene	11.51	91	1116633	51.939	ug/l	98
68) m/p-Xylenes	11.62	106	830232	103.093	ug/l	99
69) o-Xylene	11.94	106	401795	51.627	ug/l	99
70) Styrene	11.96	104	666760	54.474	ug/l	99
71) Bromoform	12.12	173	187315	52.979	ug/l	99
73) Isopropylbenzene	12.25	105	1082220	49.830	ug/l	100
74) N-amyl acetate	12.07	43	475397	51.658	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	368083	49.767	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	332619m	48.933	ug/l	
77) Bromobenzene	12.52	156	264798	48.529	ug/l	99
78) n-propylbenzene	12.59	91	1274824	51.265	ug/l	100
79) 2-Chlorotoluene	12.67	91	762194	49.408	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	923844	50.201	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	128097	49.774	ug/l	99
82) 4-Chlorotoluene	12.77	91	775674	50.133	ug/l	99
83) tert-Butylbenzene	12.99	119	784314	49.351	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	927934	52.117	ug/l	99
85) sec-Butylbenzene	13.17	105	1058360	51.206	ug/l	99
86) p-Isopropyltoluene	13.29	119	961830	52.703	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	474312	50.762	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	472360	50.526	ug/l	98
89) n-Butylbenzene	13.62	91	833721	52.195	ug/l	100
90) Hexachloroethane	13.88	117	177323	48.388	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	465570	50.652	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71845	48.690	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	269983	48.509	ug/l	99
94) Hexachlorobutadiene	15.01	225	155579	49.089	ug/l	100
95) Naphthalene	15.13	128	757120	49.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	270645	52.541	ug/l	100

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

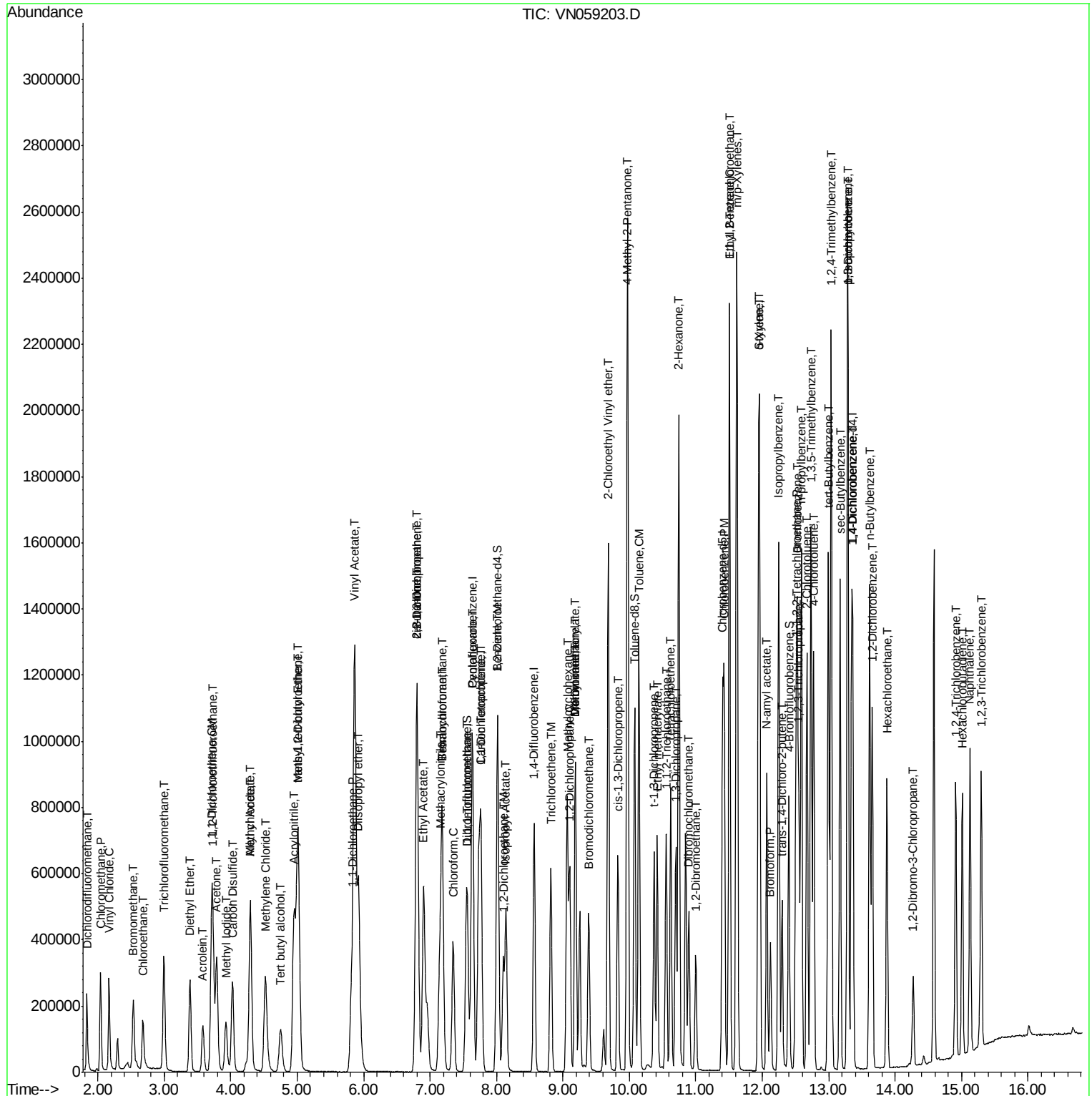
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 432349

Ion Ratio Lower Upper

168 100

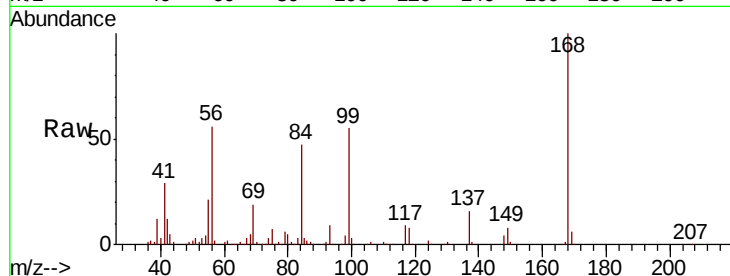
99 54.6 45.7 68.5

Manual Integrations

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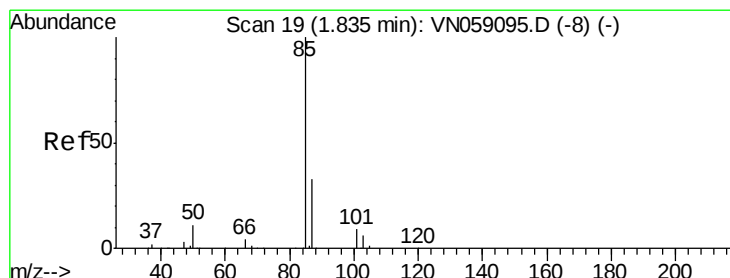
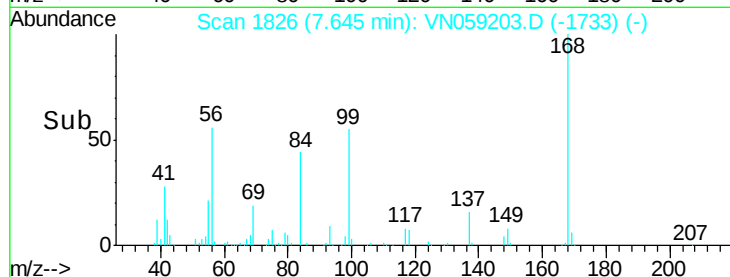
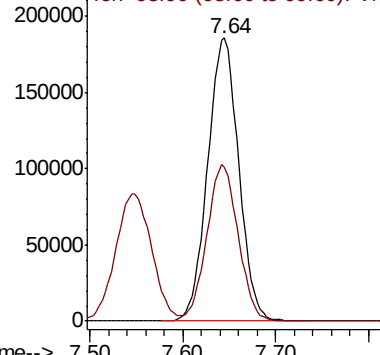
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.760 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059203.D

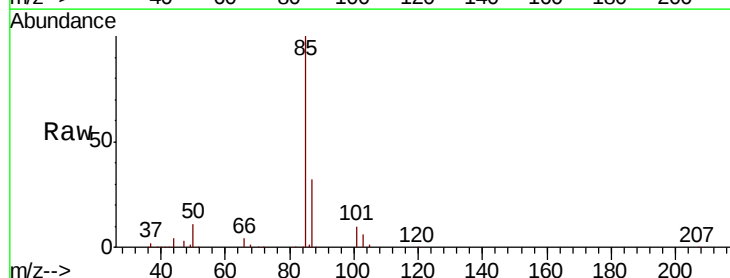
Acq: 12 Nov 2019 19:53

Tgt Ion: 85 Resp: 194980

Ion Ratio Lower Upper

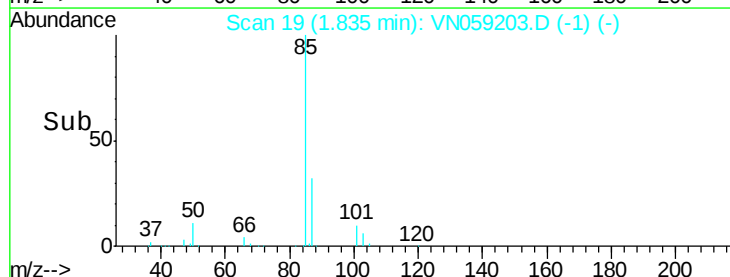
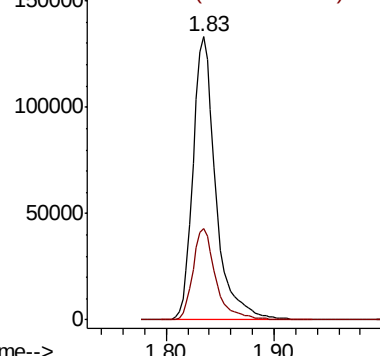
85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.542 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 263750

Ion Ratio Lower Upper

50 100

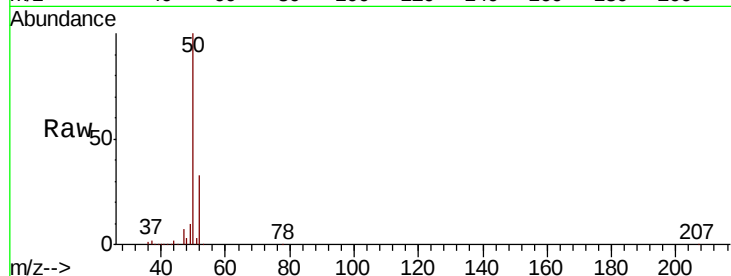
52 32.8 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

200000

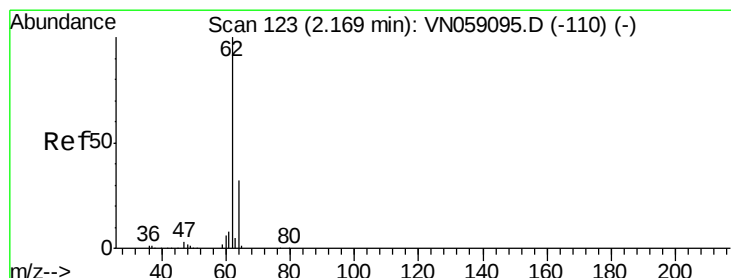
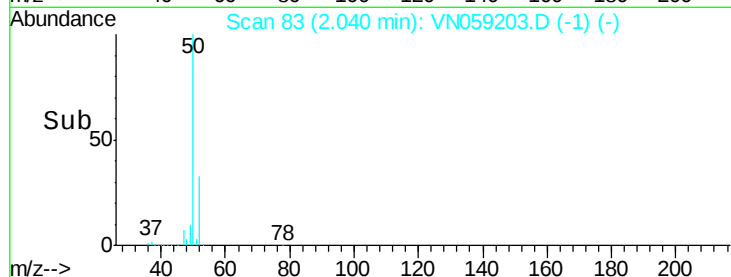
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 46.302 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059203.D

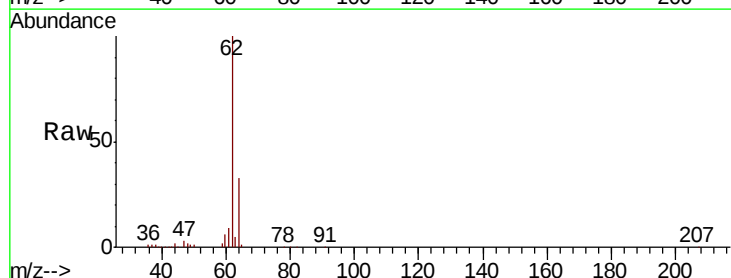
Acq: 12 Nov 2019 19:53

Tgt Ion: 62 Resp: 265816

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

200000

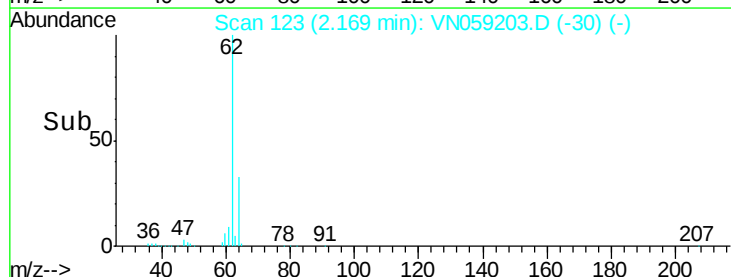
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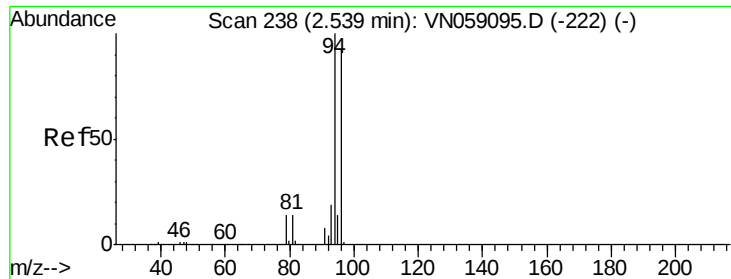
100000

50000

0

Time--> 2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 47.917 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 158303

Ion Ratio Lower Upper

94 100

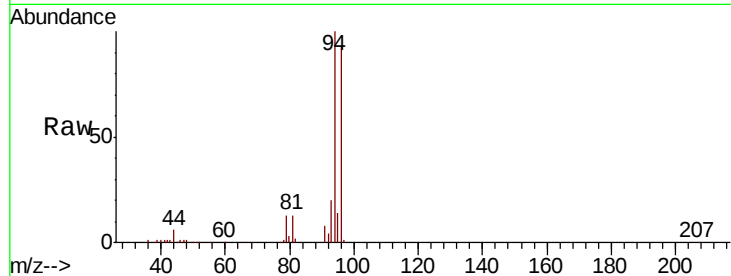
96 92.9 74.2 111.2

Manual Integrations

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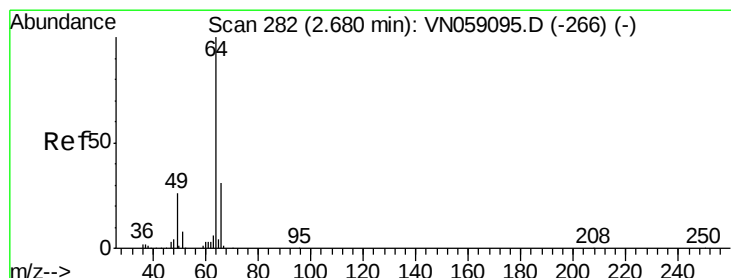
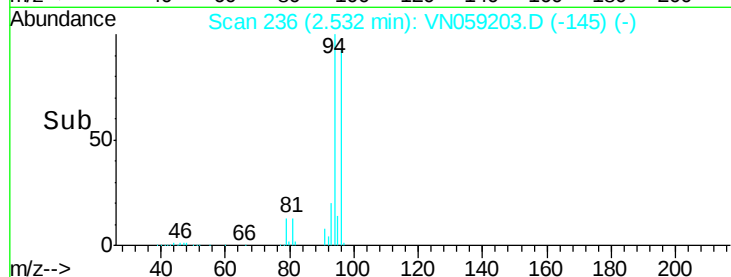
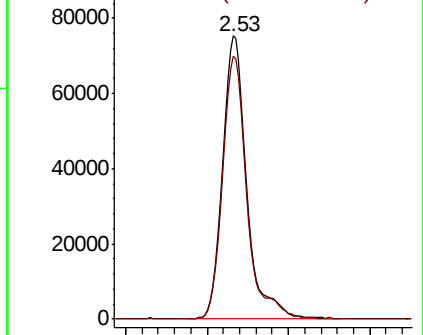
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.525 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059203.D

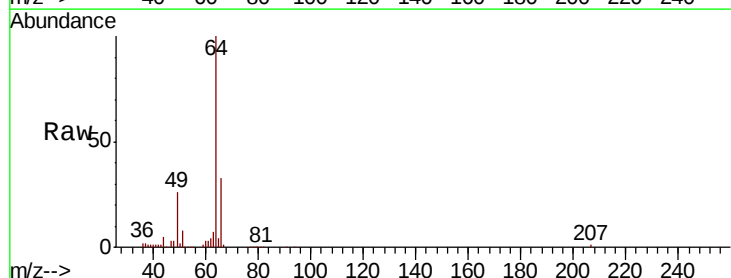
Acq: 12 Nov 2019 19:53

Tgt Ion: 64 Resp: 161395

Ion Ratio Lower Upper

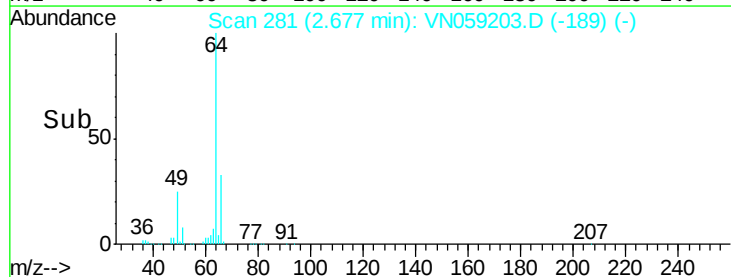
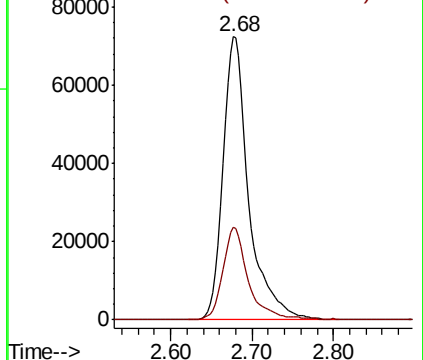
64 100

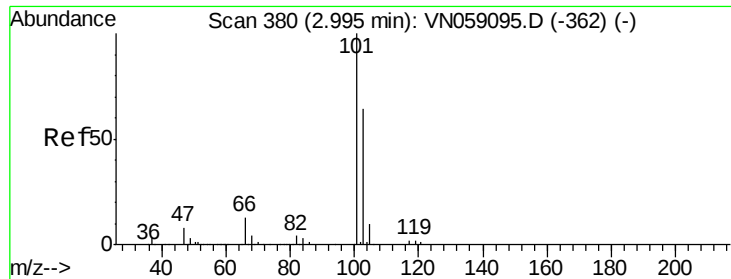
66 32.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

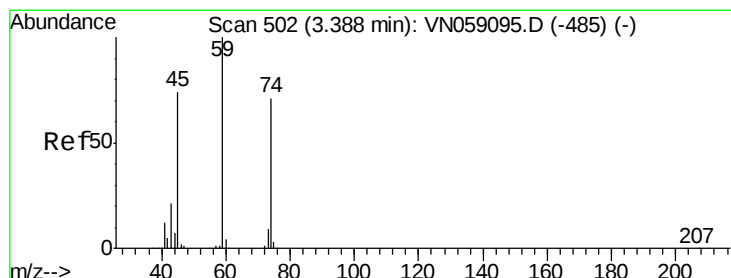
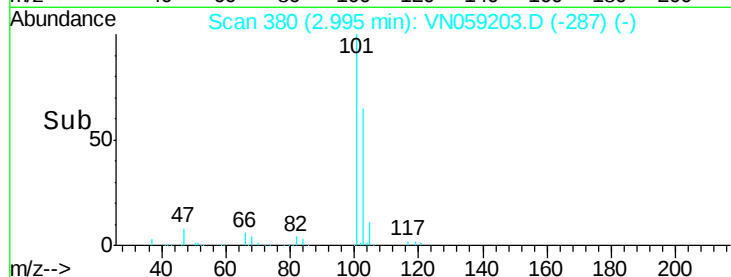
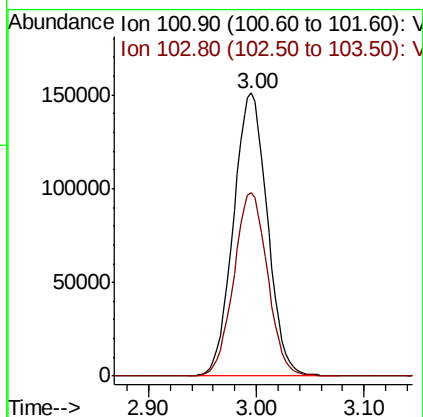
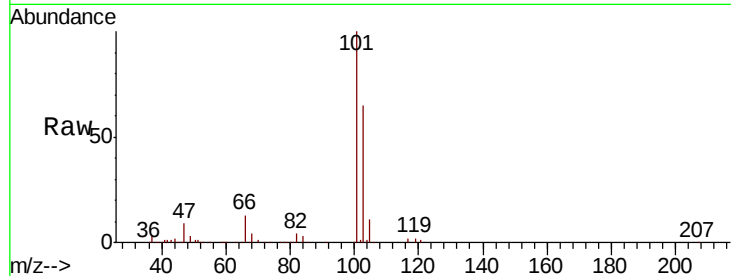
Trichlorofluoromethane
Concen: 48.253 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

Manual Integrations
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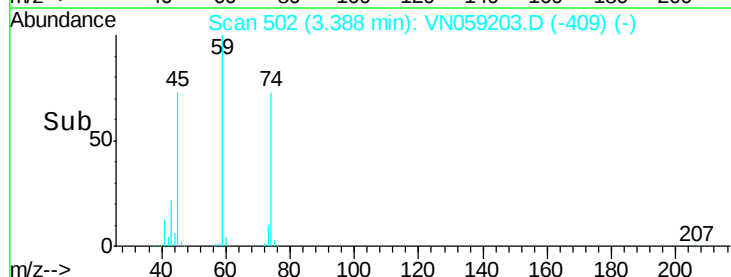
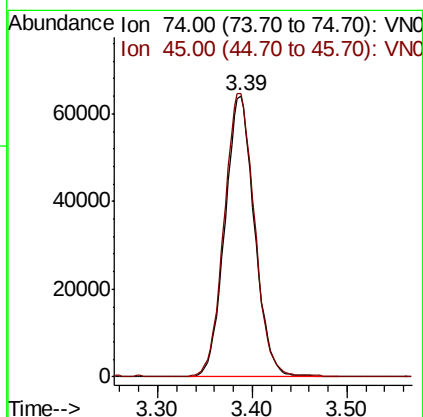
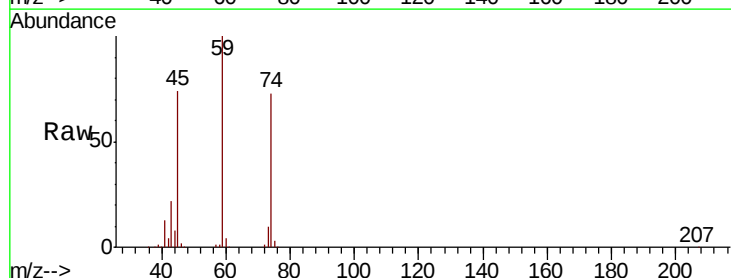
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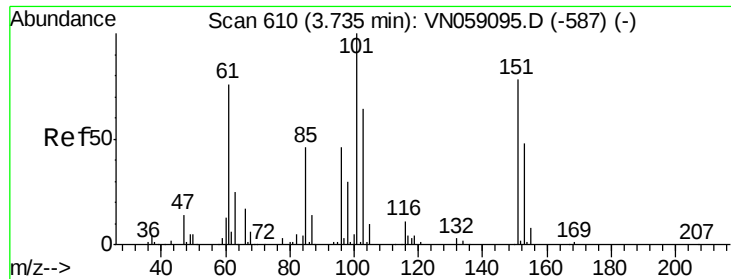


#8

Diethyl Ether
Concen: 49.708 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.320 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

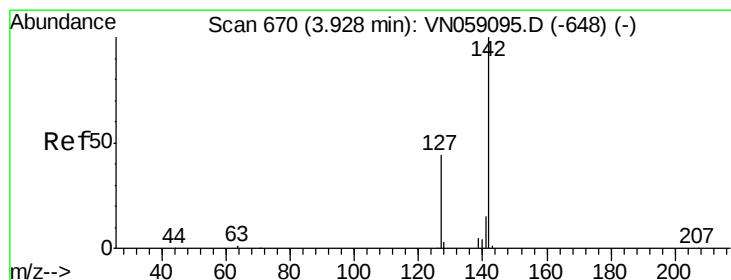
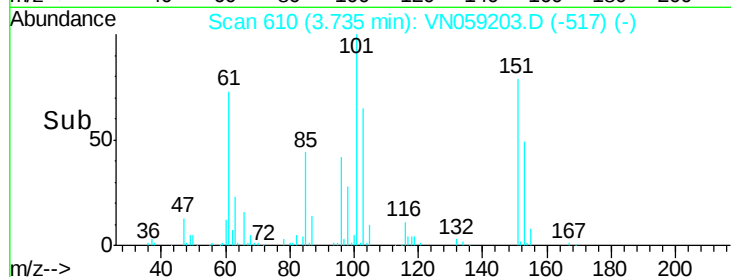
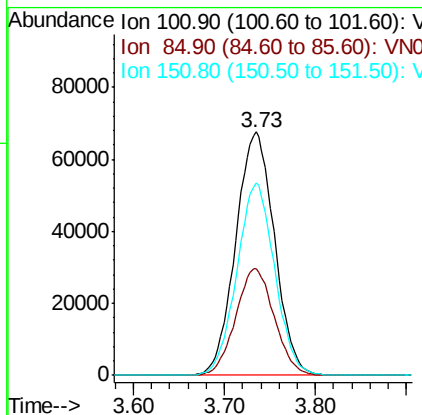
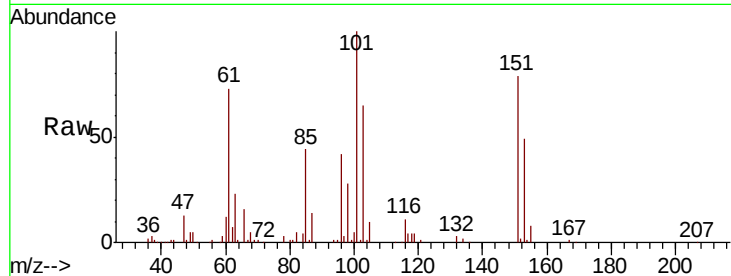
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	200055
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	77.2	62.2	93.2

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#10

Methyl Iodide

Concen: 50.238 ug/l

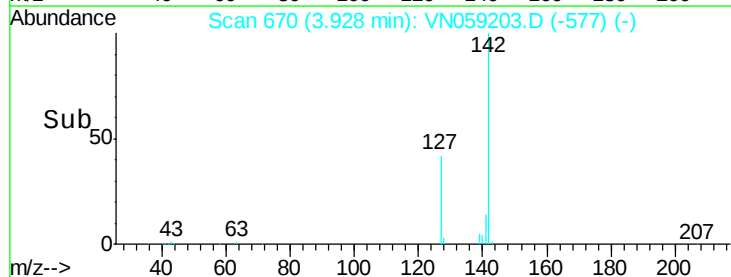
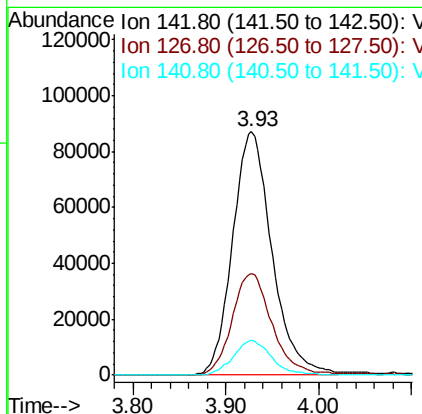
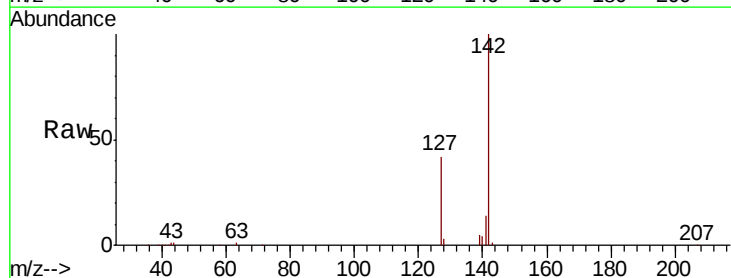
RT: 3.93 min Scan# 670

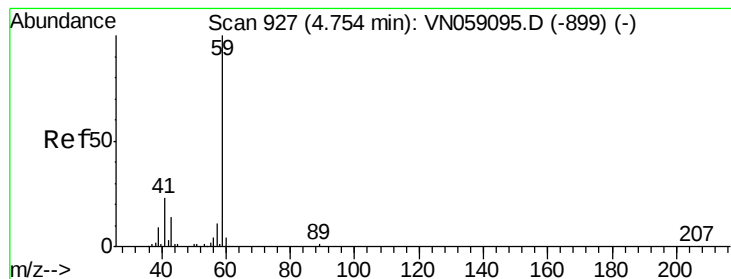
Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion:	142	Resp:	257459
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	14.0	11.4	17.0





#11

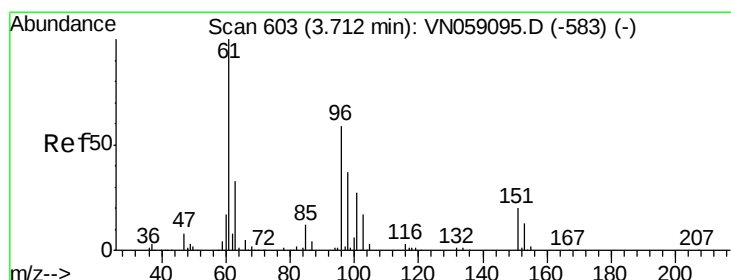
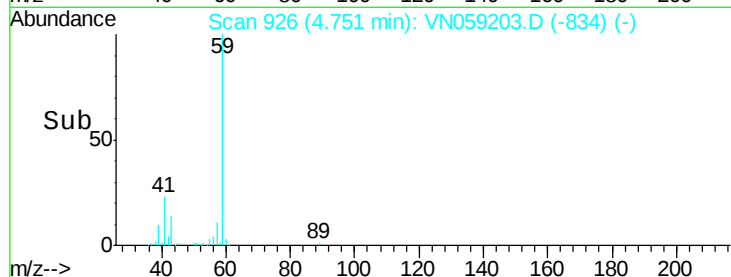
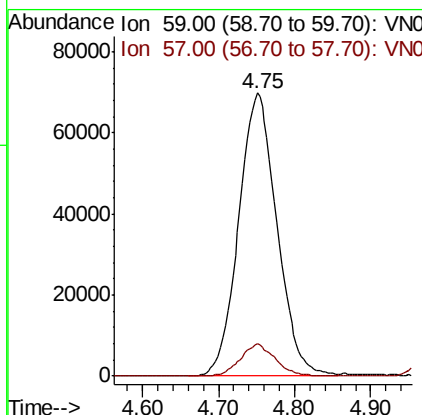
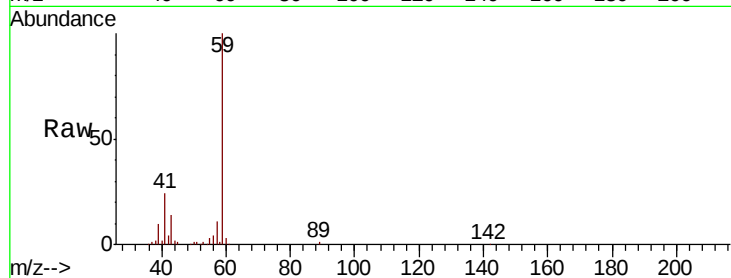
Tert butyl alcohol
 Concen: 240.724 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	243821
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

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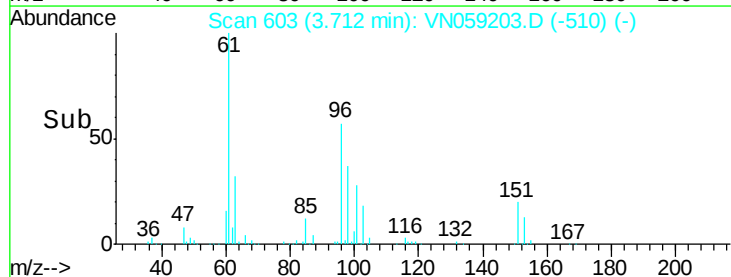
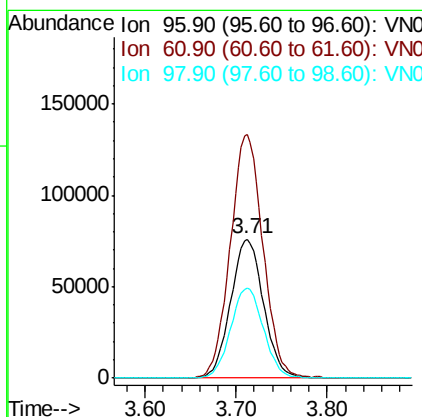
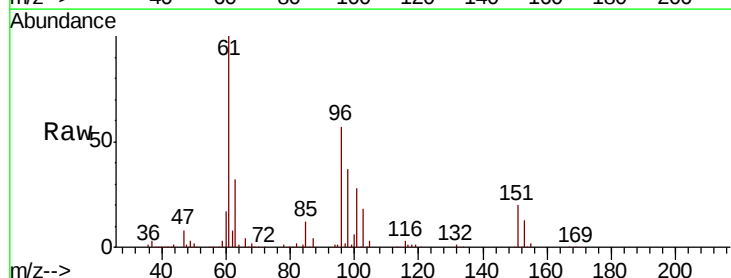
MMDadoda
 11/13/2019 12:07:35 PM



#12

1,1-Dichloroethene
 Concen: 47.226 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Tgt Ion	96	Resp	190469
Ion Ratio	100	Lower	Upper
61	175.4	136.5	204.7
98	64.9	50.2	75.4





#13

Acrolein

Concen: 309.639 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 161697

Ion Ratio Lower Upper

56 100

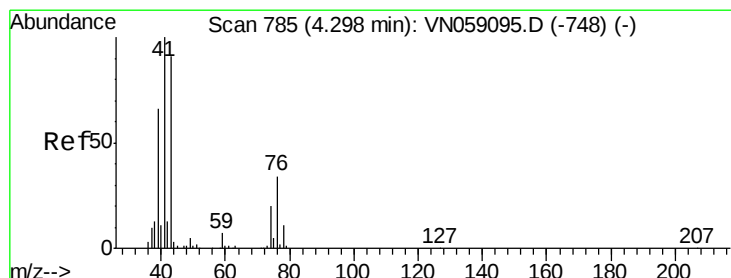
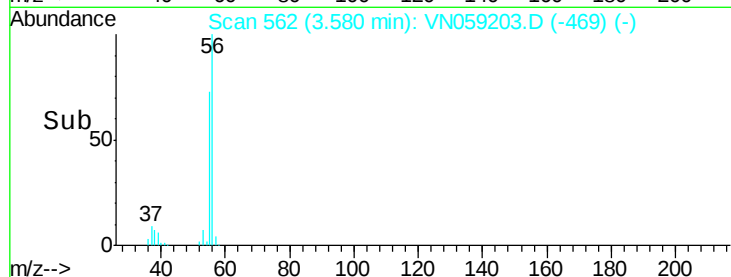
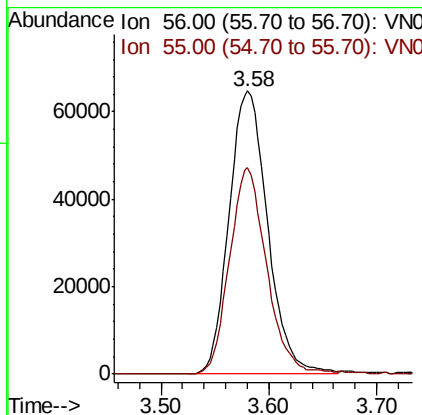
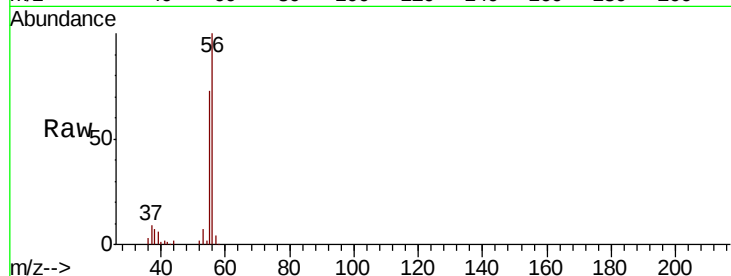
55 70.0 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.066 ug/l m

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

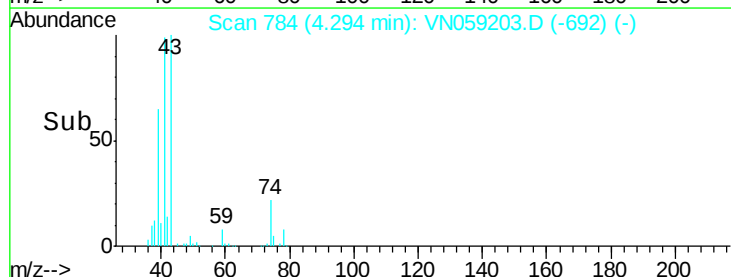
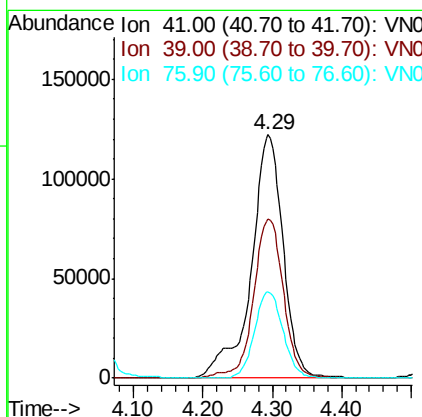
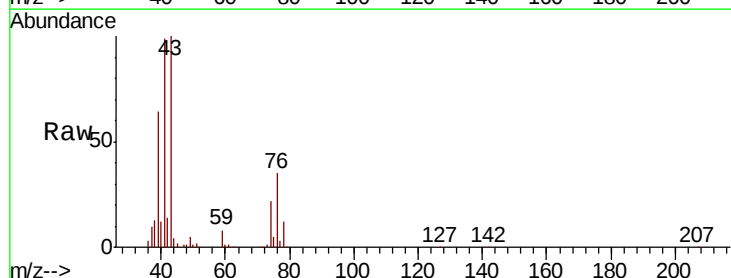
Tgt Ion: 41 Resp: 389927

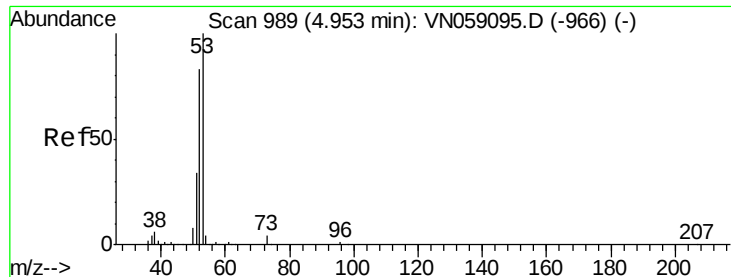
Ion Ratio Lower Upper

41 100

39 60.8 49.1 73.7

76 31.6 24.9 37.3





#15

Acrylonitrile

Concen: 252.389 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

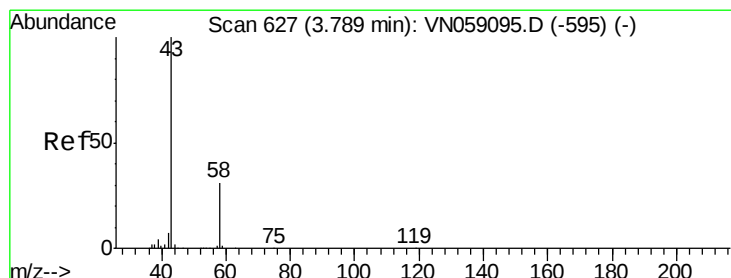
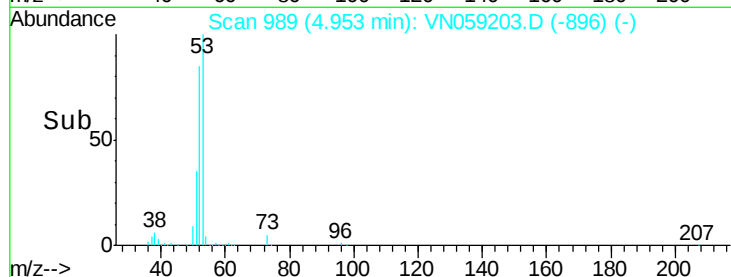
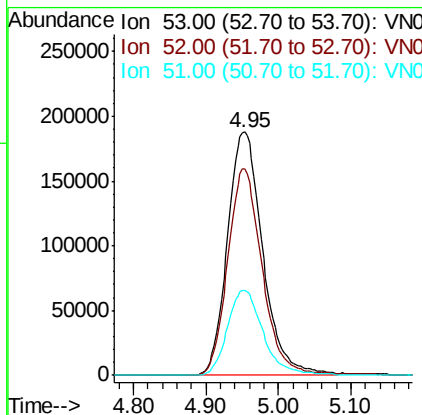
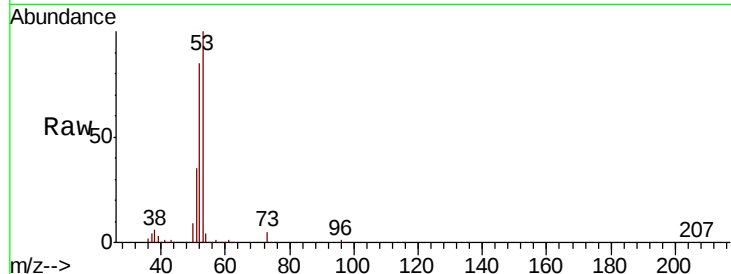
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	636190
Ion Ratio		Lower	Upper
53	100		
52	82.9	65.0	97.6
51	35.6	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 201.357 ug/l

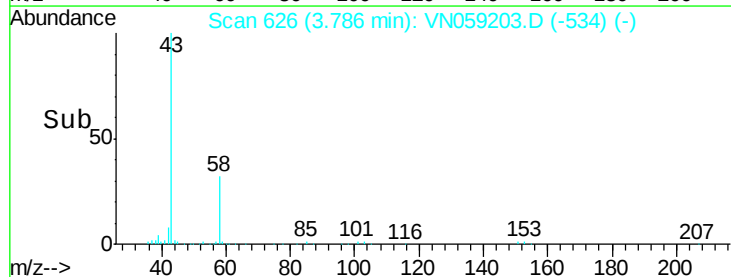
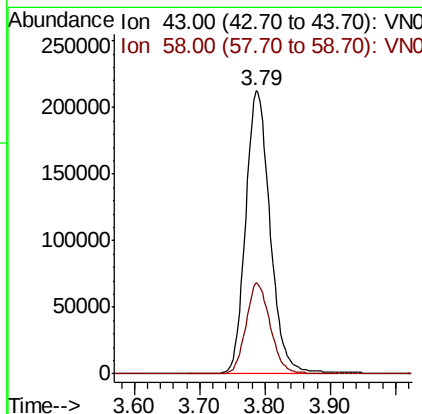
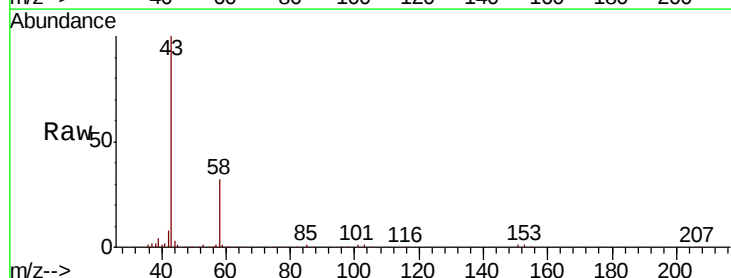
RT: 3.79 min Scan# 626

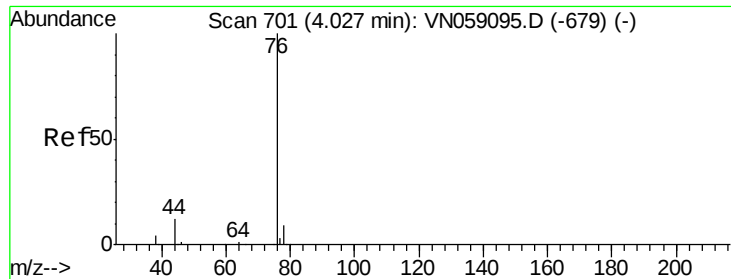
Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion:	43	Resp:	556498
Ion Ratio		Lower	Upper
43	100		
58	32.0	24.9	37.3





#17

Carbon Disulfide

Concen: 42.992 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 538254

Ion Ratio Lower Upper

76 100

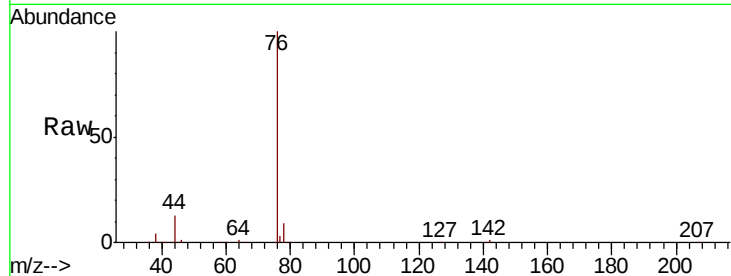
78 8.6 7.4 11.0

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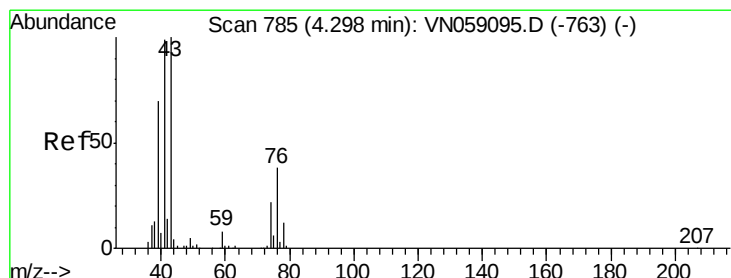
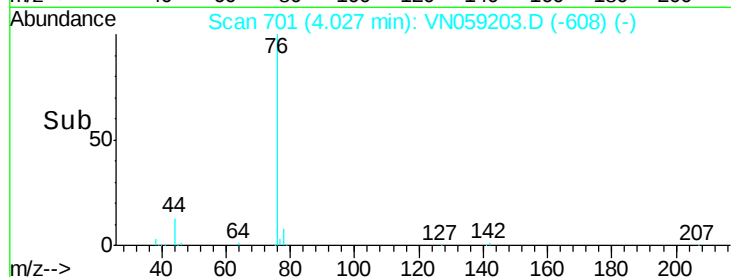
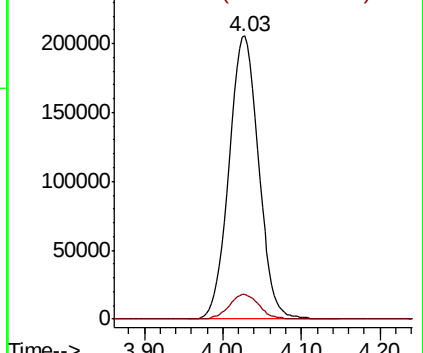
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 52.314 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059203.D

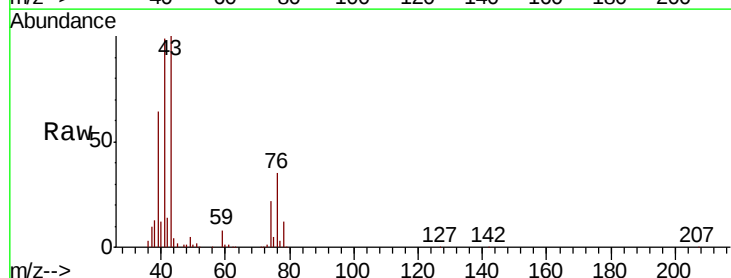
Acq: 12 Nov 2019 19:53

Tgt Ion: 43 Resp: 343180

Ion Ratio Lower Upper

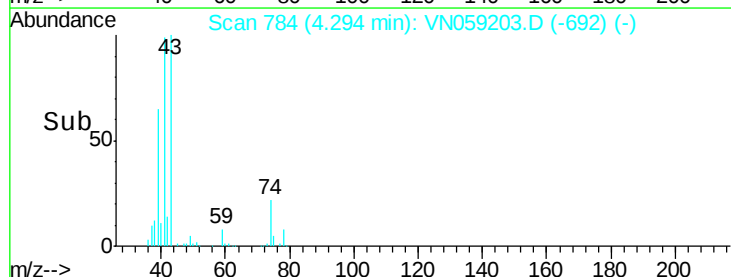
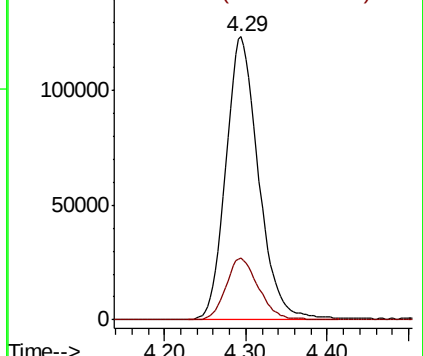
43 100

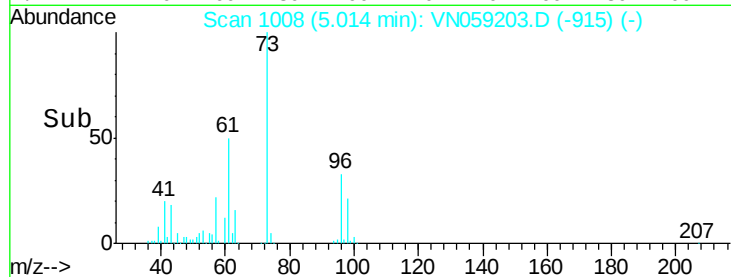
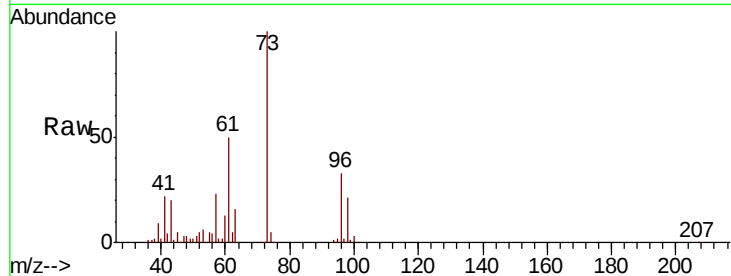
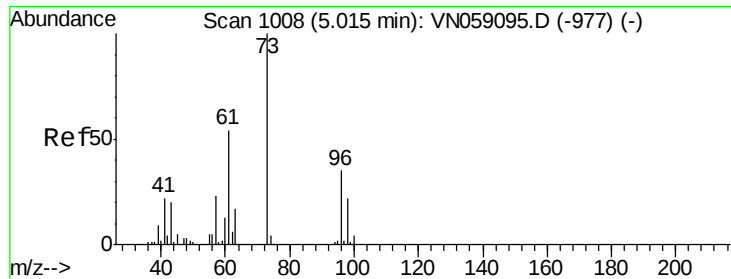
74 22.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





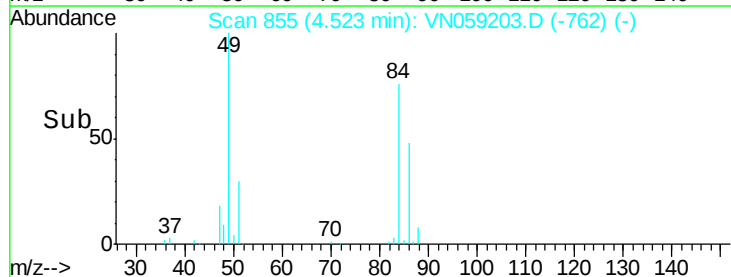
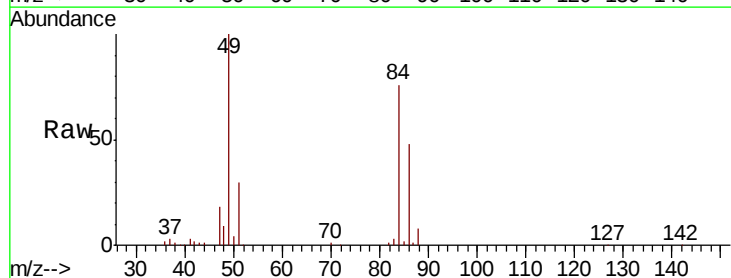
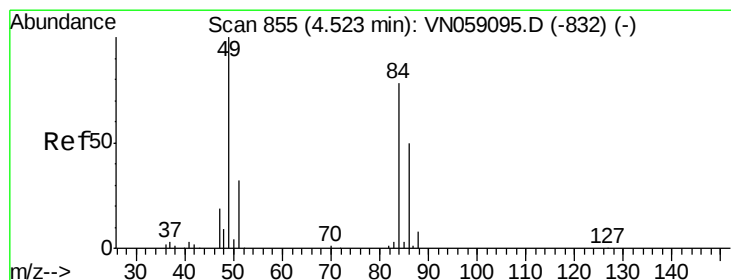
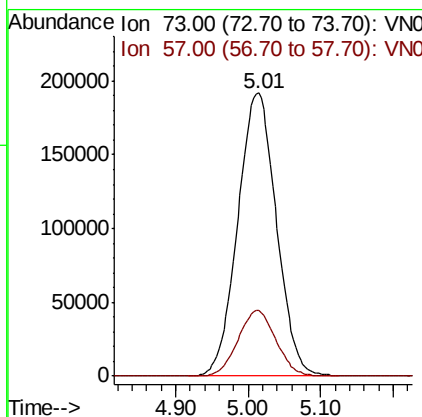
#19
Methvl tert-butvl Ether
Concen: 51.246 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tot Ion: 73 Resp: 711588
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

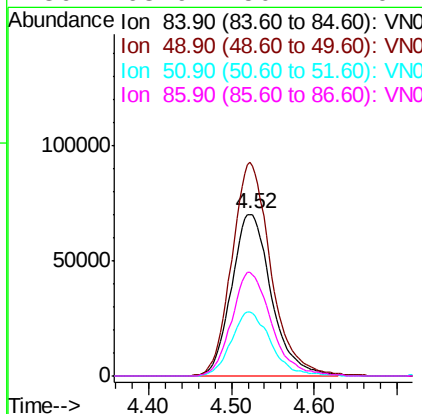
Manual Integrations
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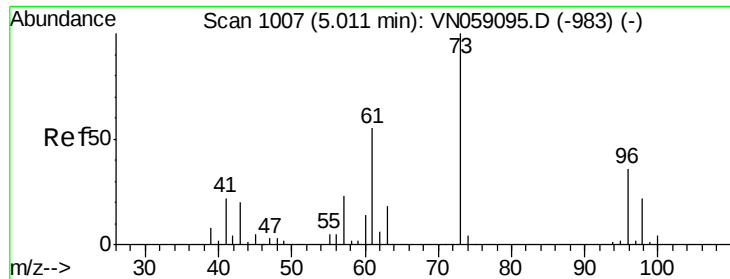
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#20
Methylene Chloride
Concen: 48.594 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion: 84 Resp: 233973
Ion Ratio Lower Upper
84 100
49 131.9 102.0 153.0
51 39.7 32.2 48.2
86 63.9 50.7 76.1





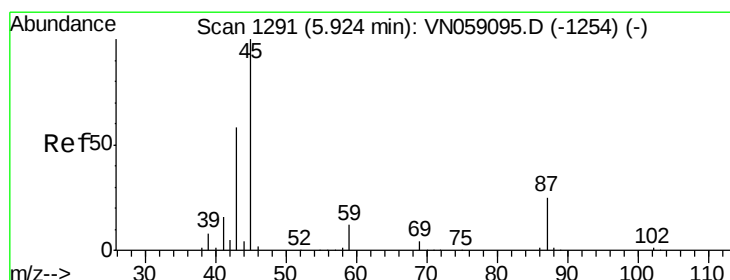
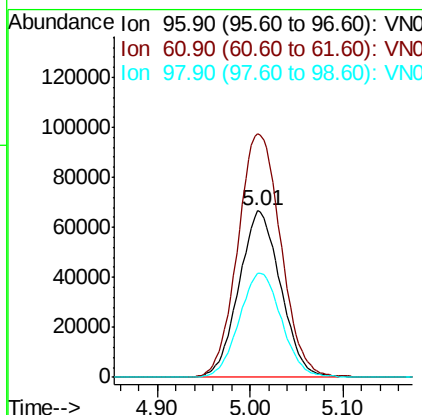
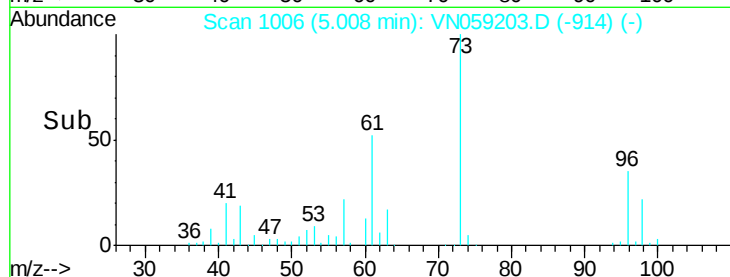
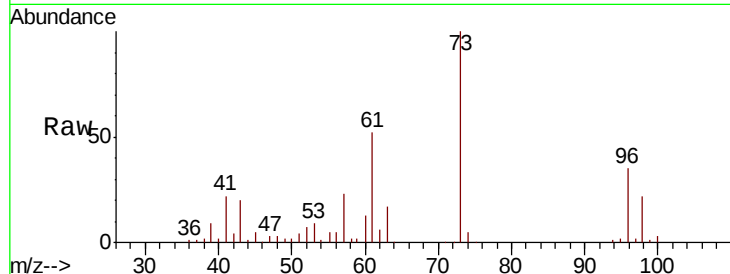
#21
trans-1,2-Dichloroethene
Concen: 48.110 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.2	122.6	183.8
98	62.2	50.3	75.5

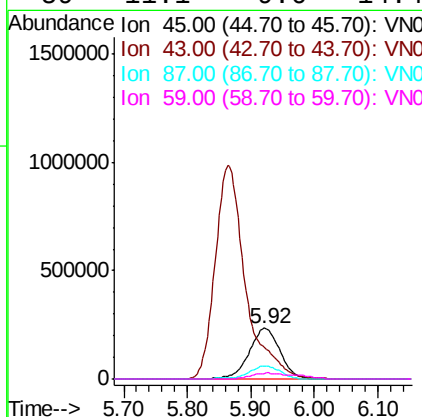
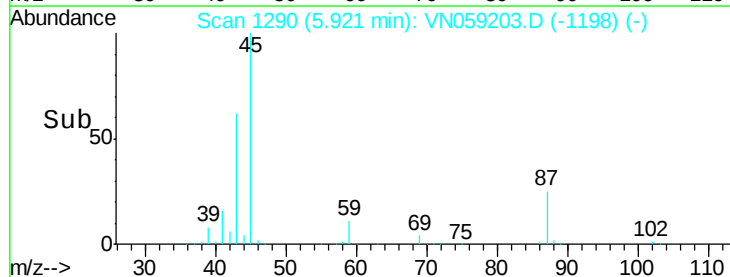
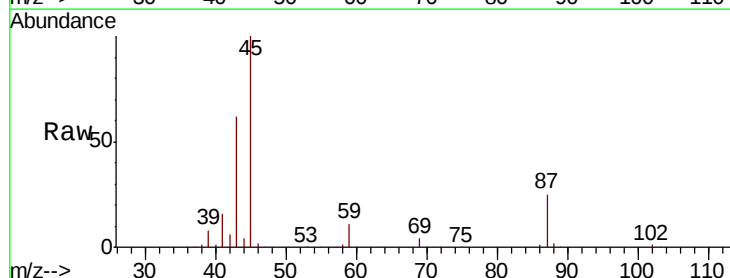
Manual Integrations
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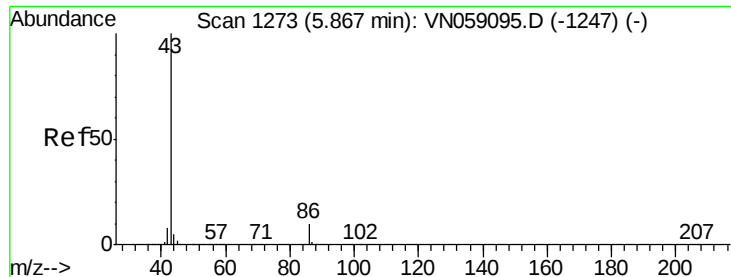
MMDadoda
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#22
Diisopropyl ether
Concen: 50.796 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	46.7	70.1
87	25.4	20.5	30.7
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 269.414 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3267392

Ion Ratio Lower Upper

43 100

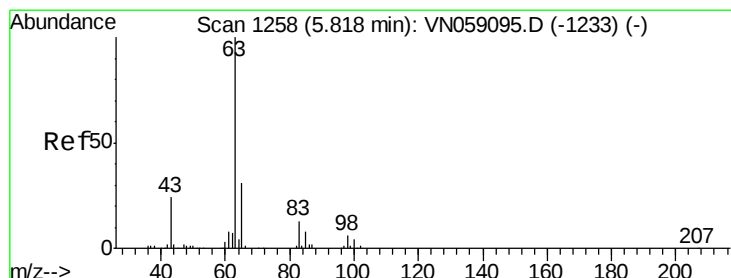
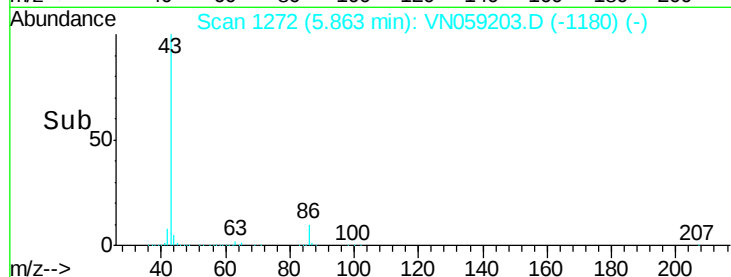
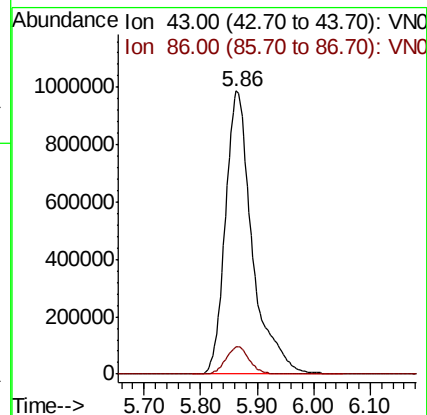
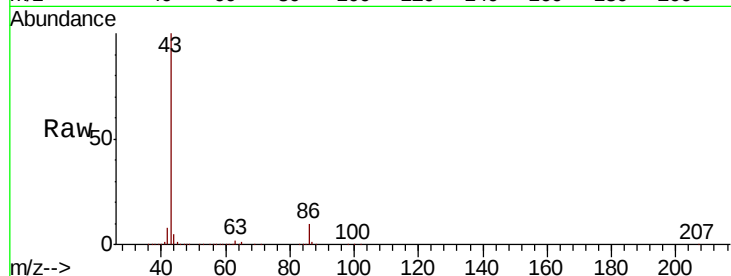
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.541 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

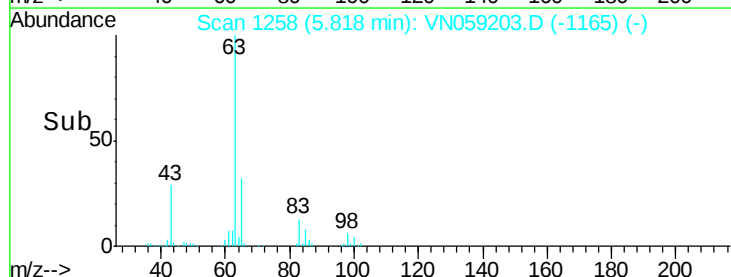
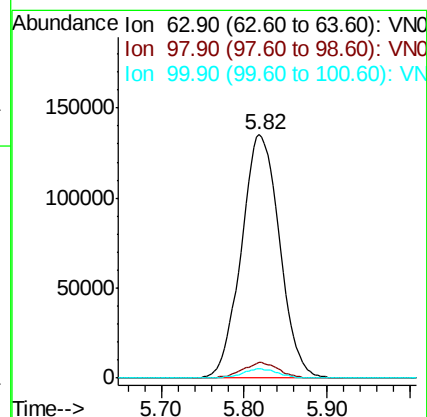
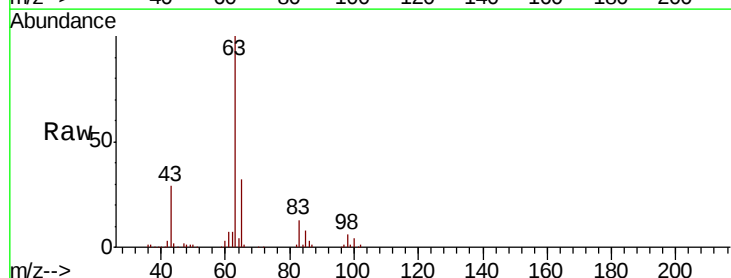
Tgt Ion: 63 Resp: 432988

Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 238.427 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 868459

Ion Ratio Lower Upper

43 100

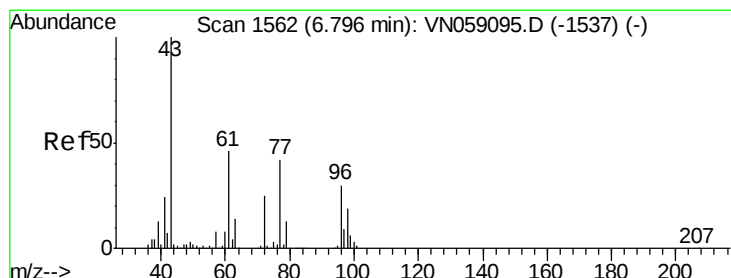
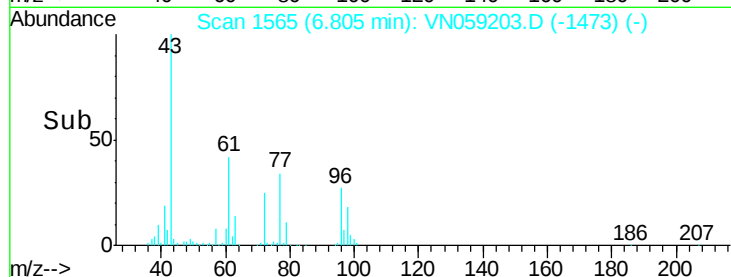
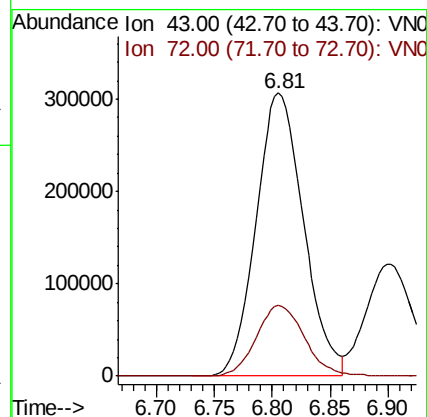
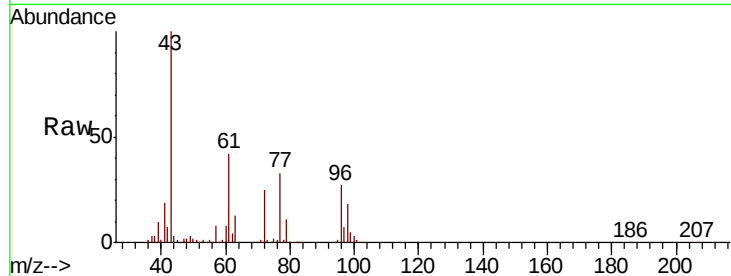
72 25.2 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

11/13/2019 12:07:35 PM



#26

2,2-Dichloropropane

Concen: 46.281 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059203.D

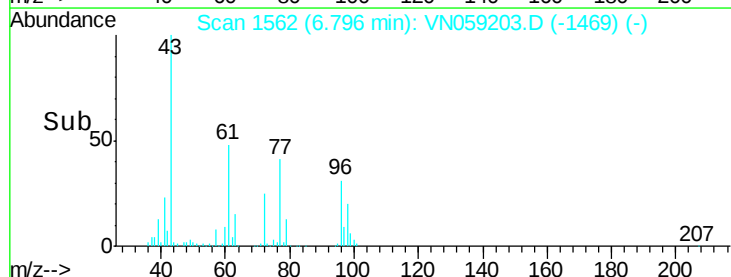
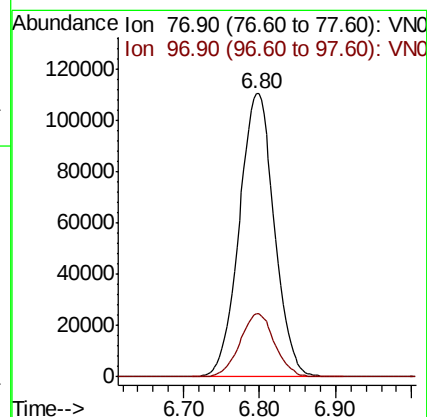
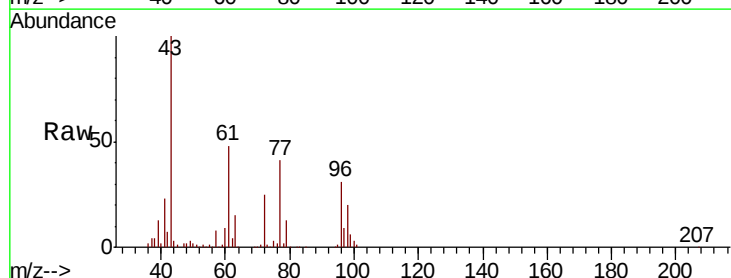
Acq: 12 Nov 2019 19:53

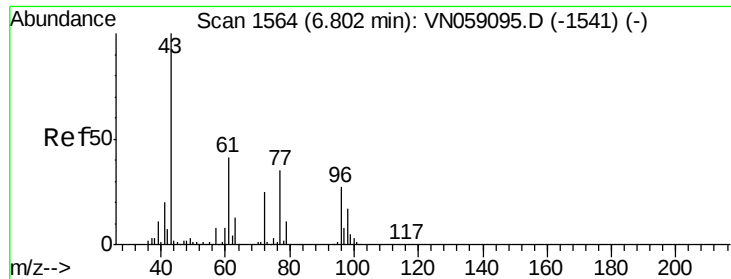
Tgt Ion: 77 Resp: 353697

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.953 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

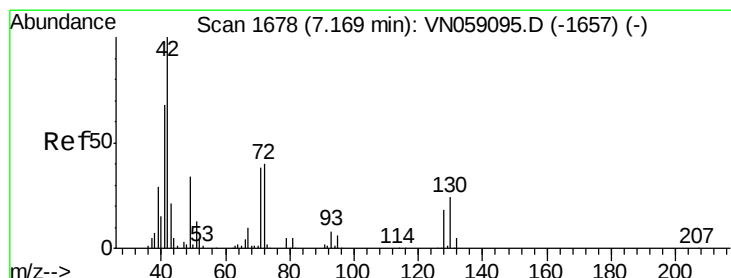
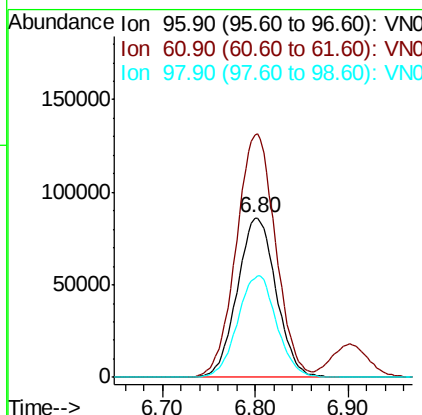
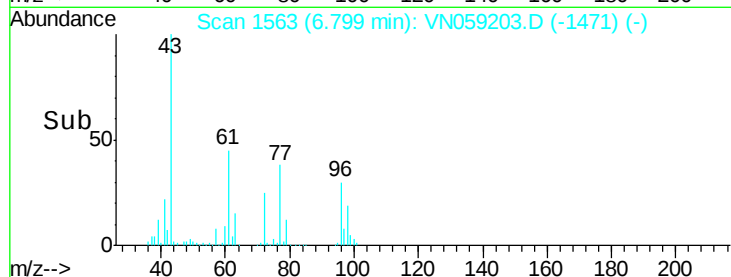
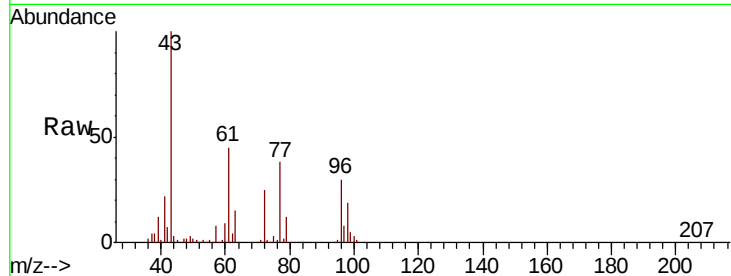
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	250893
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	311.6
98	63.7	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 48.800 ug/l

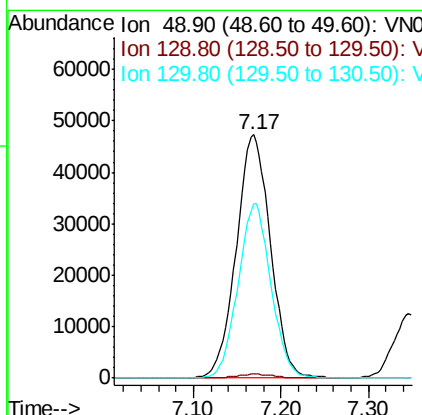
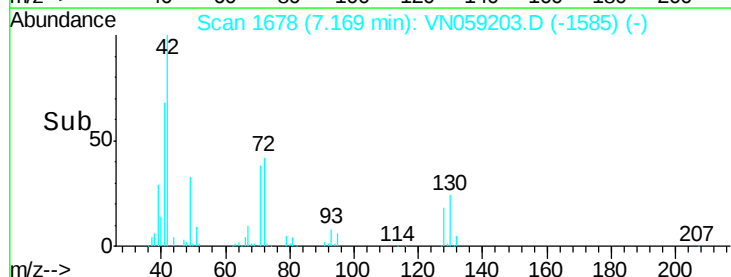
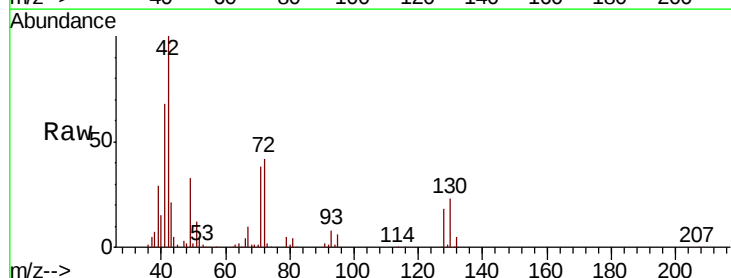
RT: 7.17 min Scan# 1678

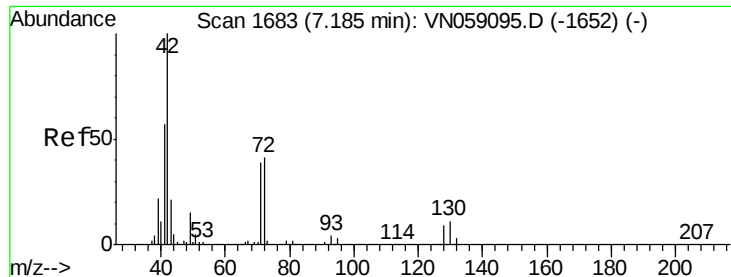
Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion:	49	Resp:	128319
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	68.8	55.6	83.4





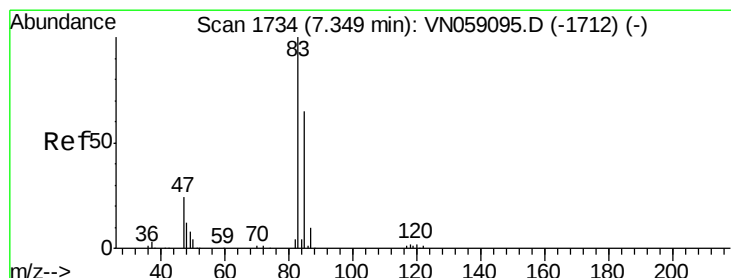
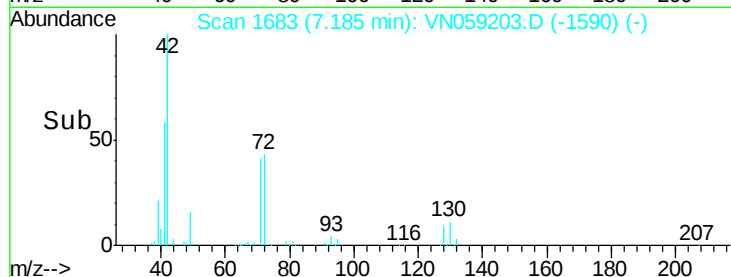
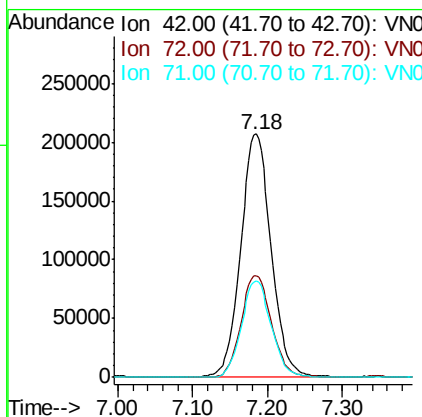
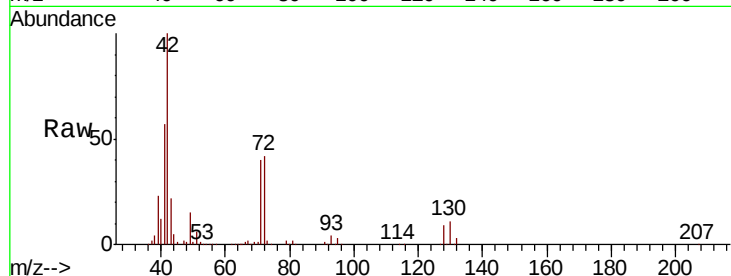
#29
Tetrahydrofuran
Concen: 251.673 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.1	49.7
71	38.9	30.9	46.3

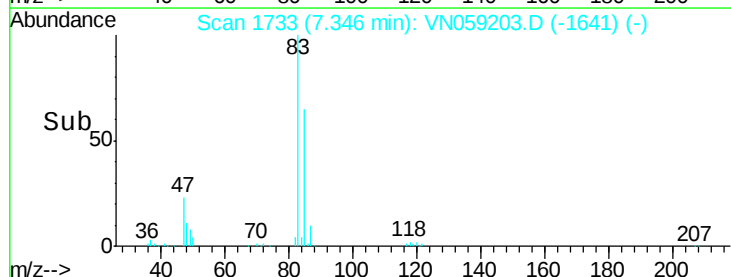
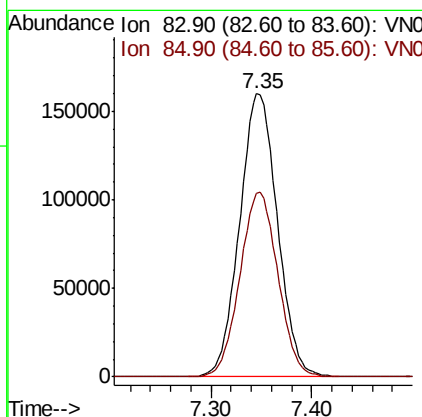
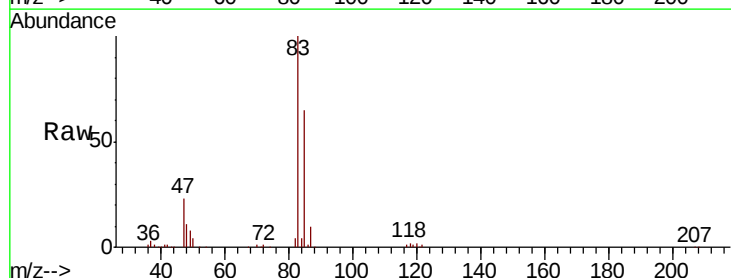
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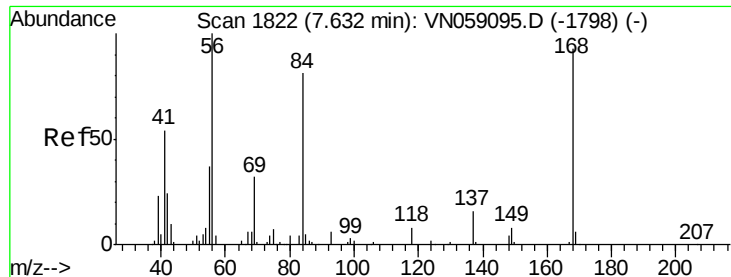
MMDadoda
11/13/2019 12:07:35 PM



#30
Chloroform
Concen: 49.627 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





#31

Cvclohexane

Concen: 45.329 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 375052

Ion Ratio Lower Upper

56 100

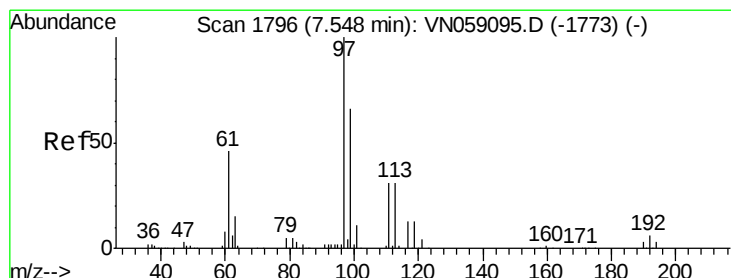
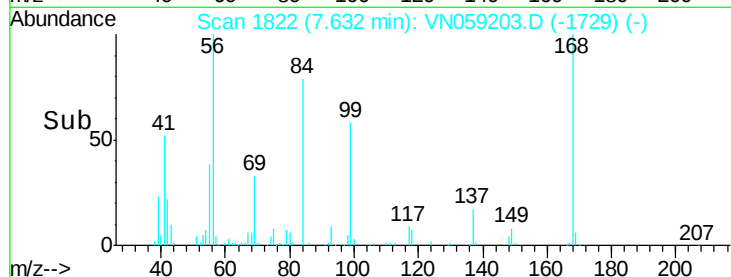
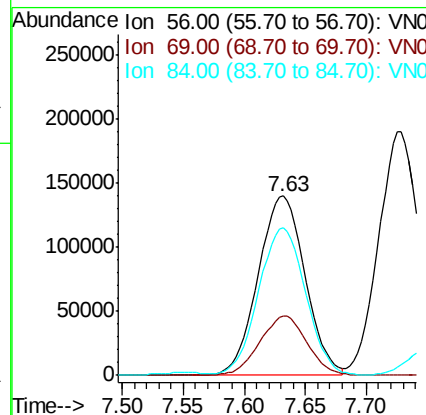
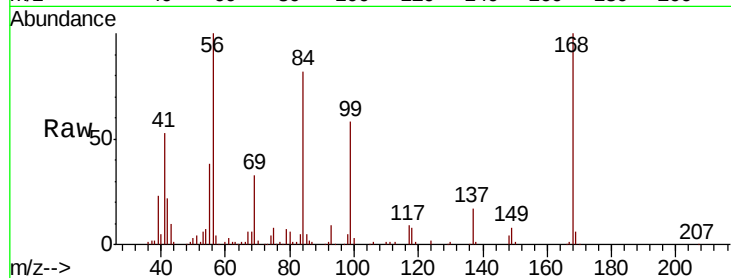
69 33.3 25.8 38.8

84 80.9 65.0 97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.052 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

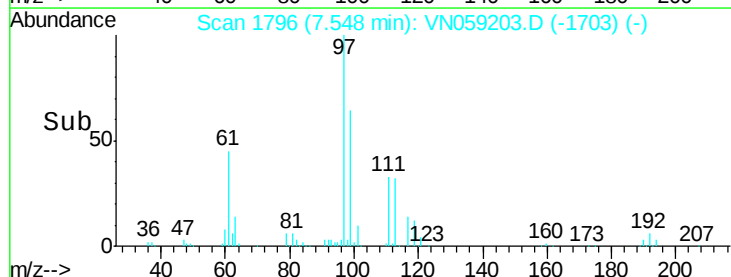
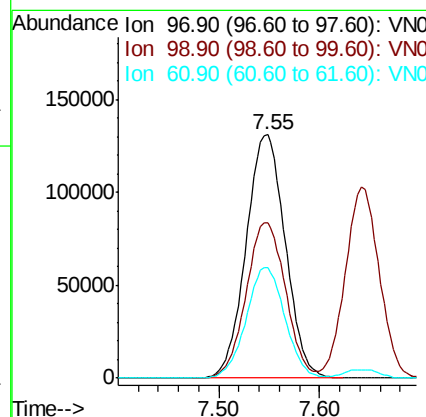
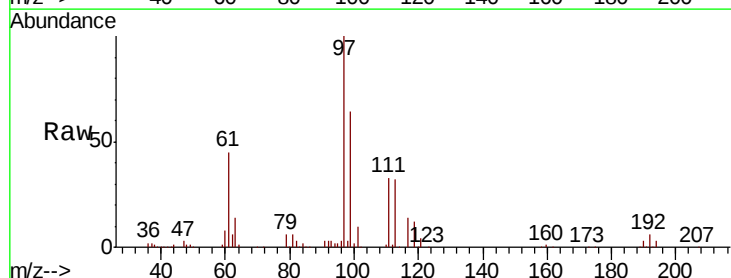
Tgt Ion: 97 Resp: 352809

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 44.9 35.8 53.8





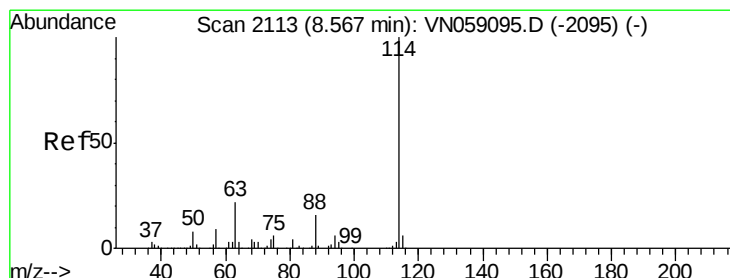
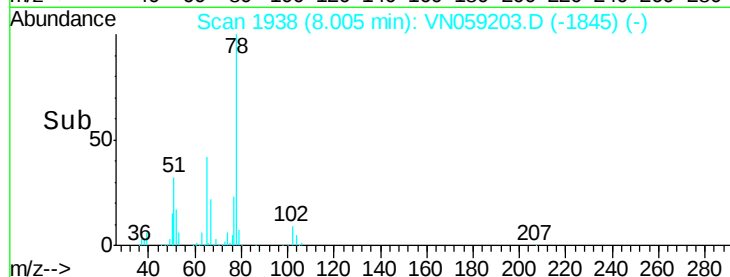
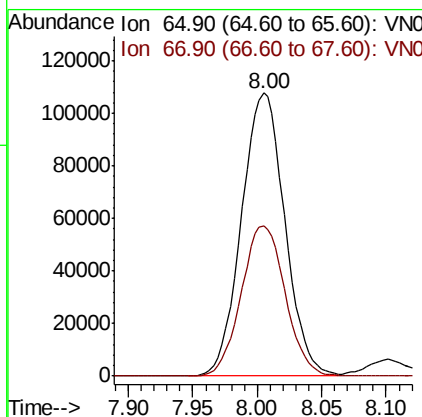
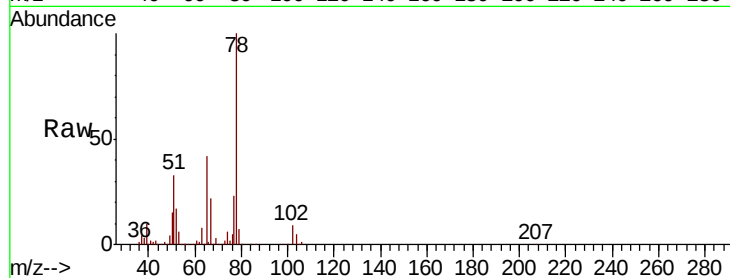
#33
 1,2-Dichloroethane-d4
 Concen: 47.457 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.4

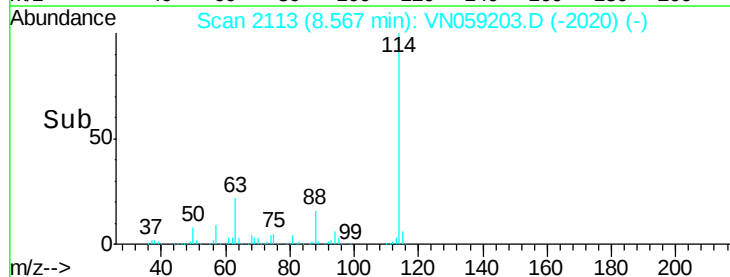
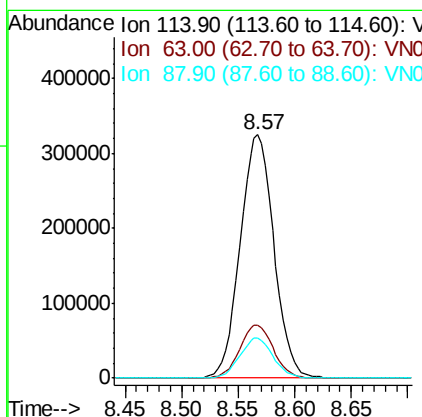
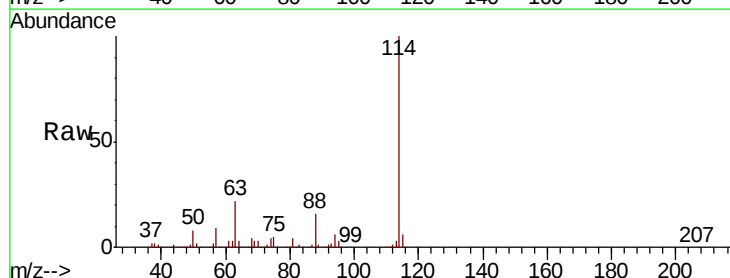
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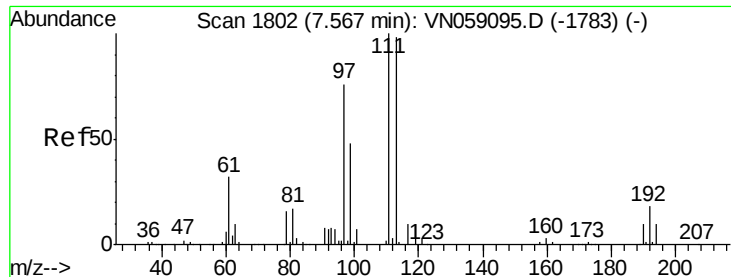
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.4
88	16.3	0.0	32.2





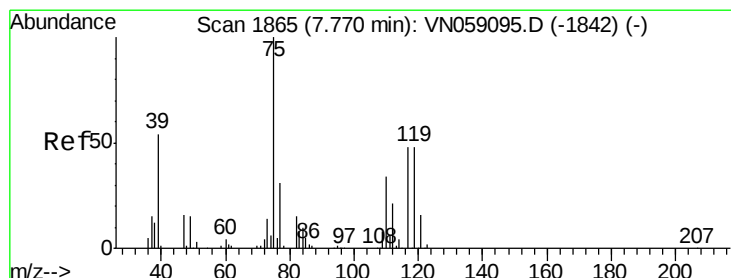
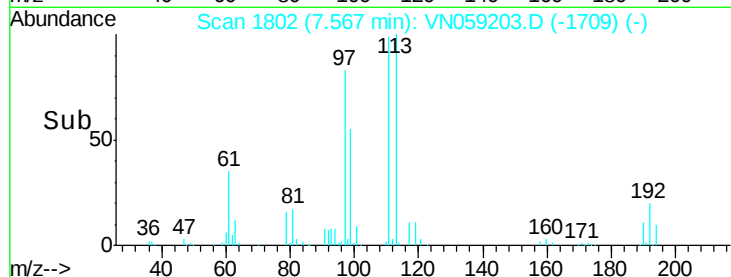
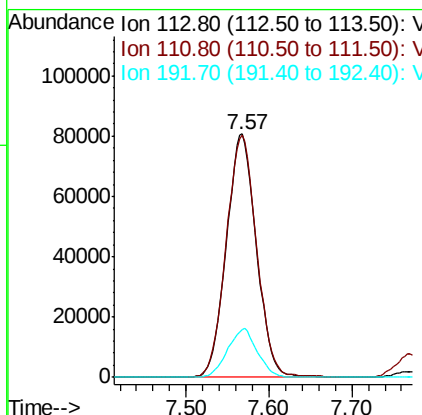
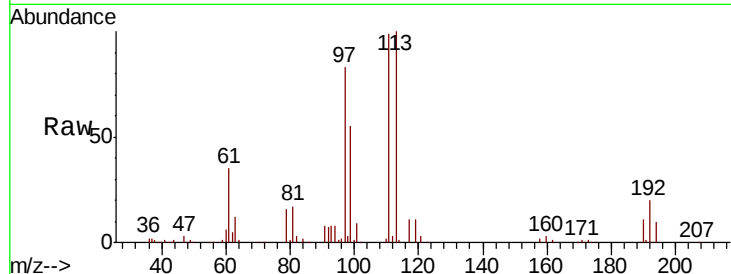
#35
 Dibromofluoromethane
 Concen: 50.438 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202892		
111	101.0	82.8	124.2	
192	19.8	16.1	24.1	

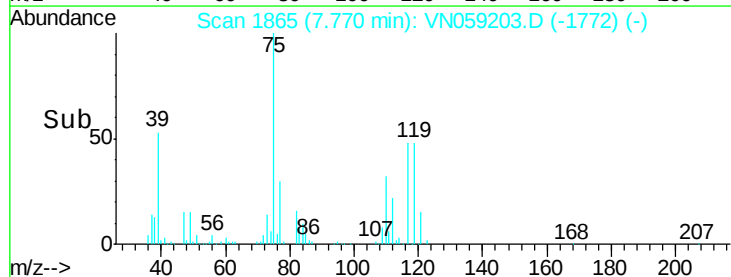
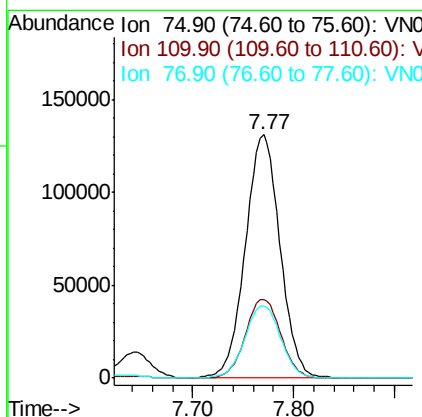
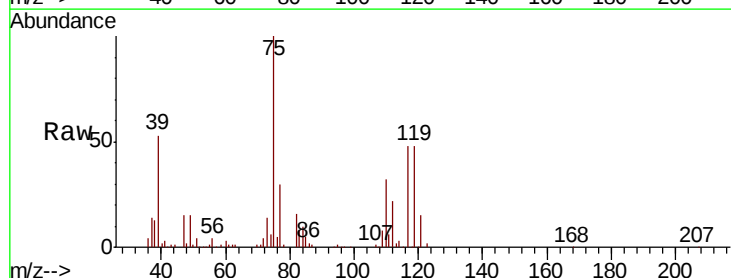
Manual Integrations
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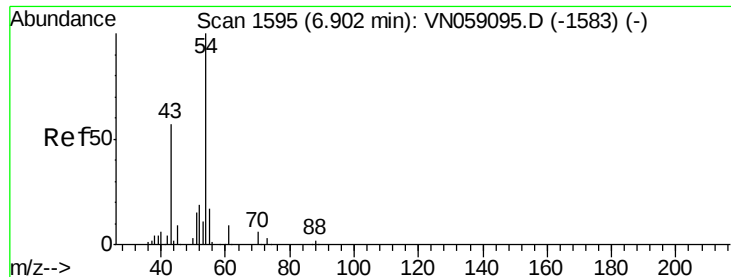
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#36
 1,1-Dichloropropene
 Concen: 49.308 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310499		
110	33.3	17.1	51.2	
77	31.2	24.8	37.2	





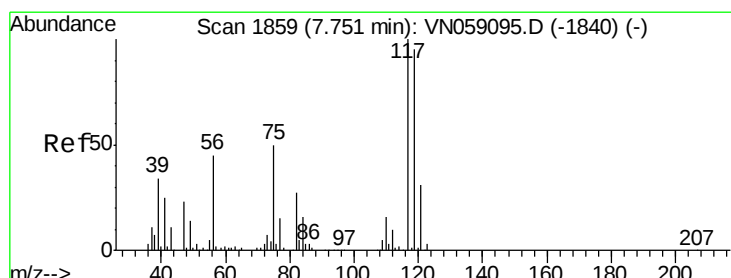
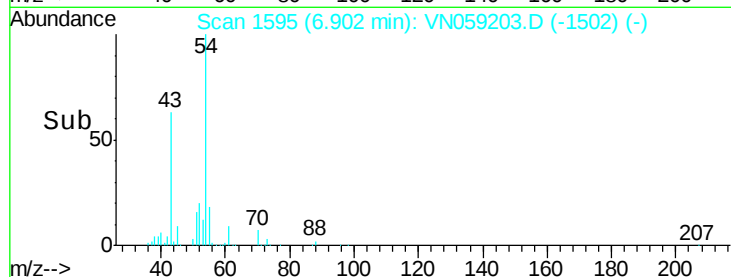
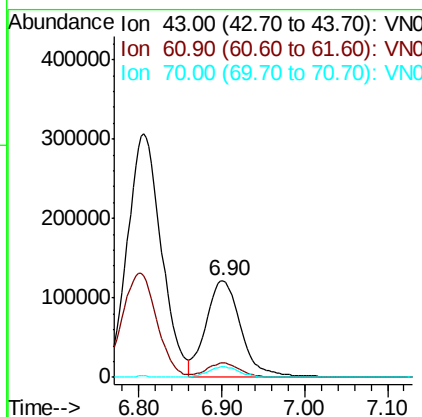
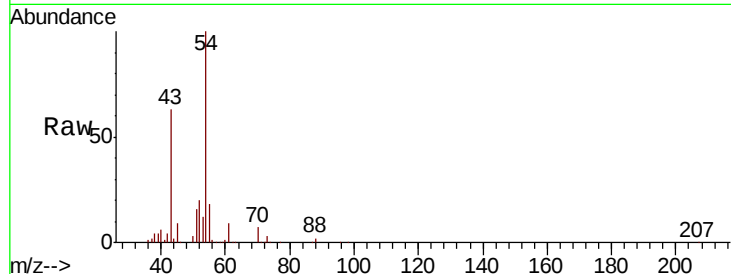
#37
Ethyl Acetate
Concen: 50.407 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.2	16.8
70	10.2	7.8	11.8

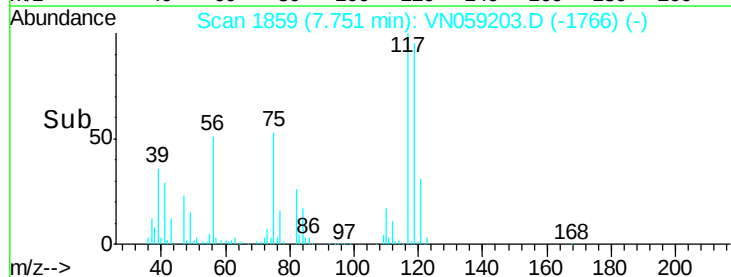
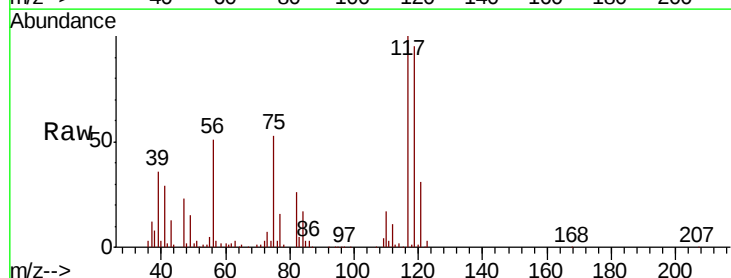
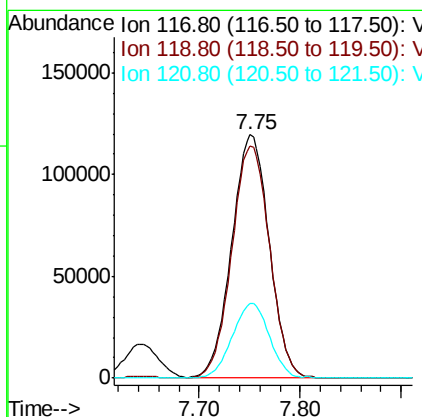
Manual Integrations
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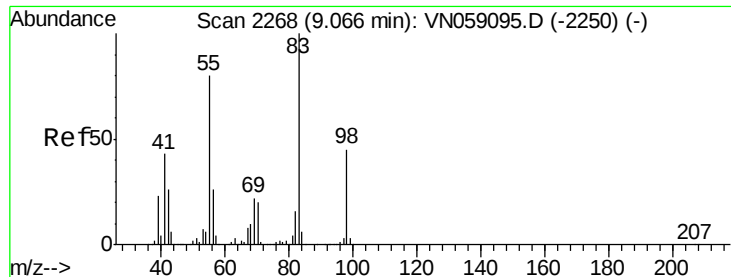
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#38
Carbon Tetrachloride
Concen: 49.185 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
121	30.7	24.6	36.8





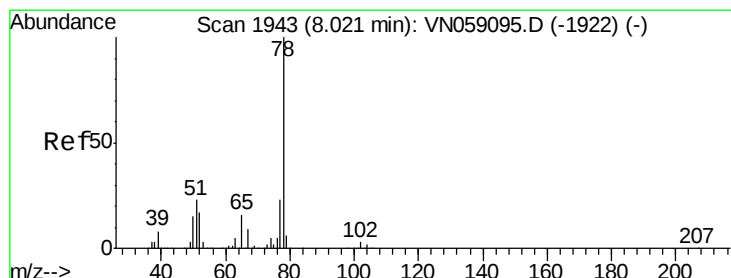
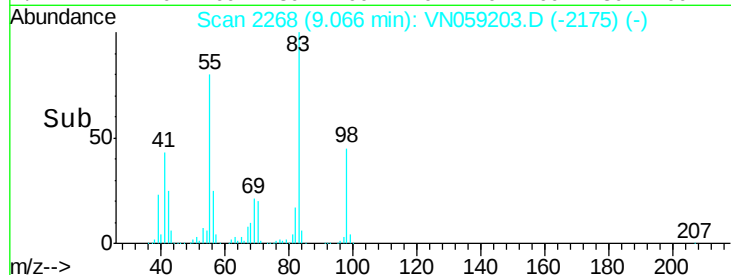
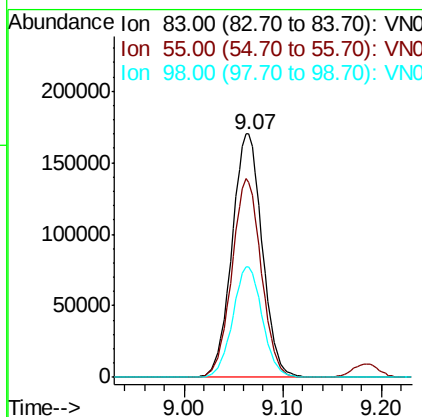
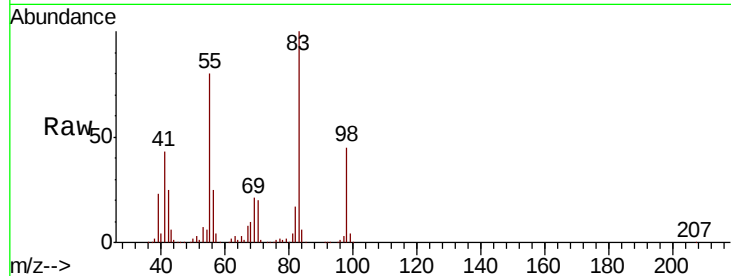
#39
Methvlcvclohexane
Concen: 49.410 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.9	95.9
98	45.3	35.6	53.4

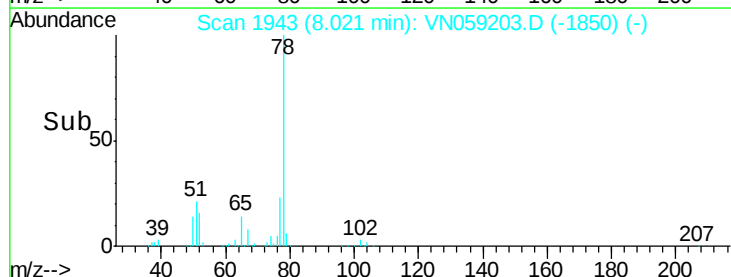
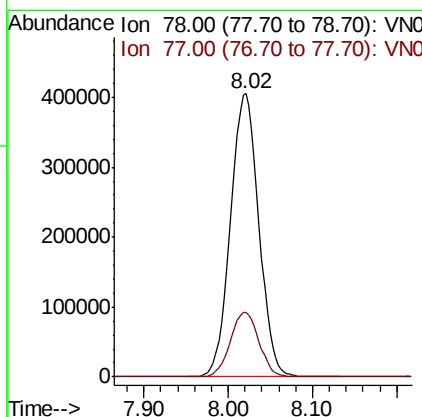
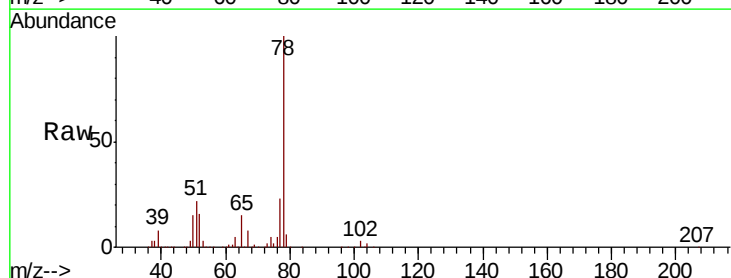
Manual Integrations
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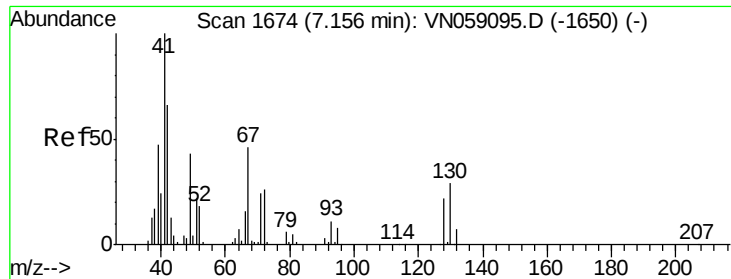
MMDadoda
11/13/2019 12:07:35 PM



#40
Benzene
Concen: 49.936 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





#41

Methacrylonitrile

Concen: 52.037 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

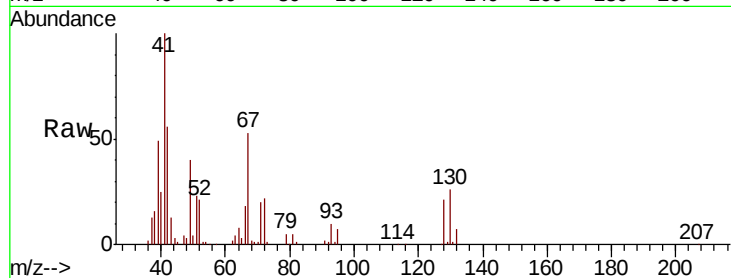
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 12:07:35 PM

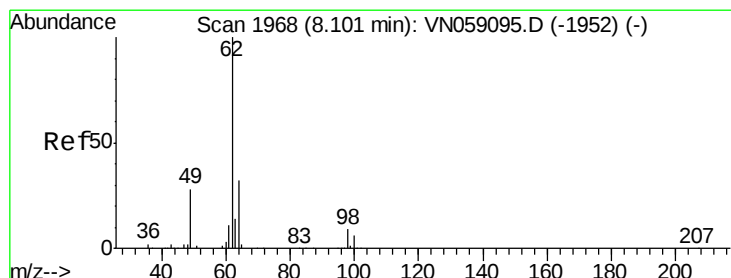
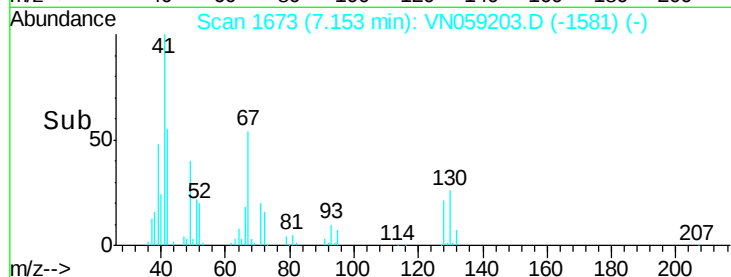
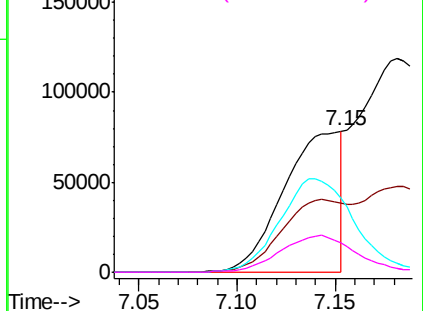


Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN059095.D (-1650) (-)

Ion 67.00 (66.70 to 67.70): VN059095.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN059095.D (-1650) (-)



#42

1,2-Dichloroethane

Concen: 50.561 ug/l

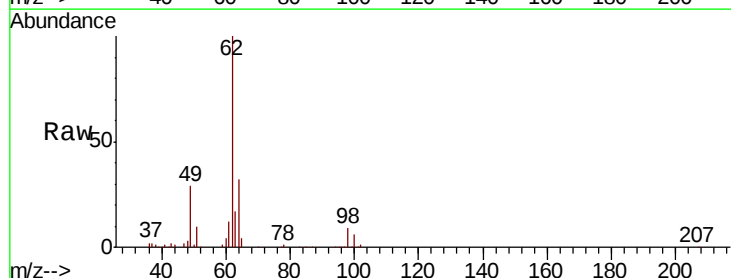
RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059203.D

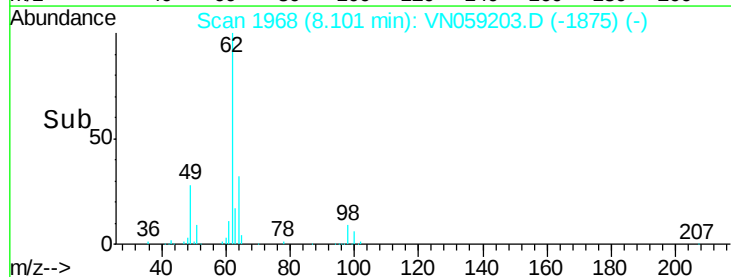
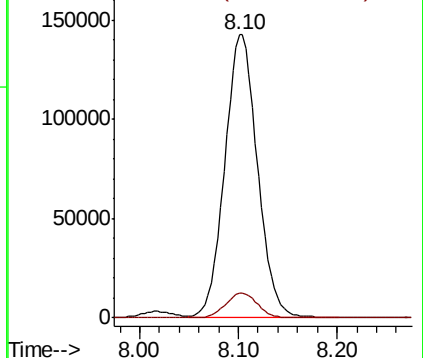
Acq: 12 Nov 2019 19:53

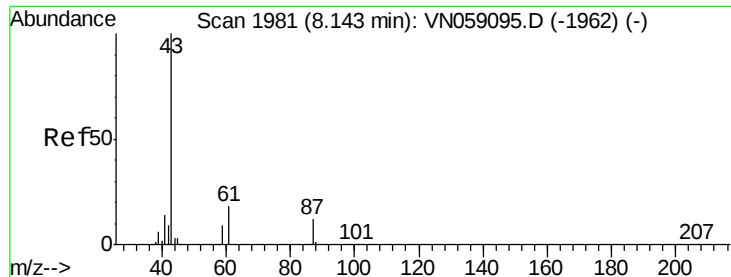
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059095.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1952) (-)





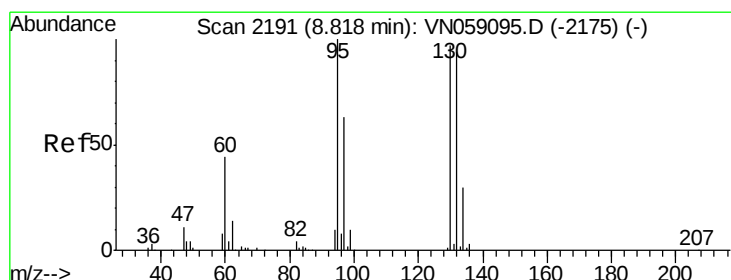
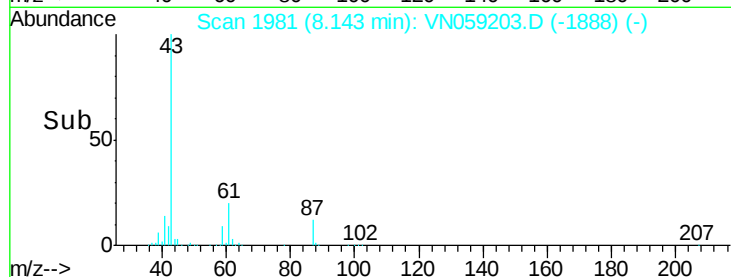
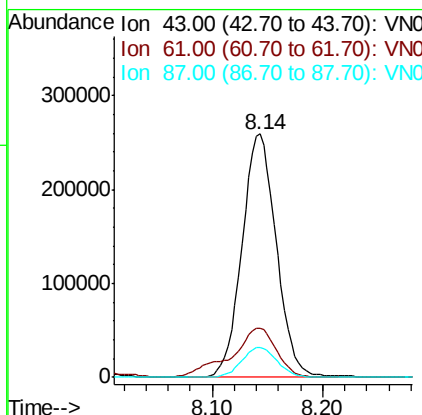
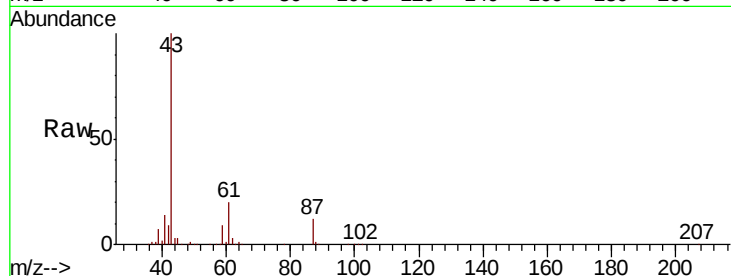
#43
Isopropyl Acetate
Concen: 49.924 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.0	31.6
87	12.7	9.8	14.6

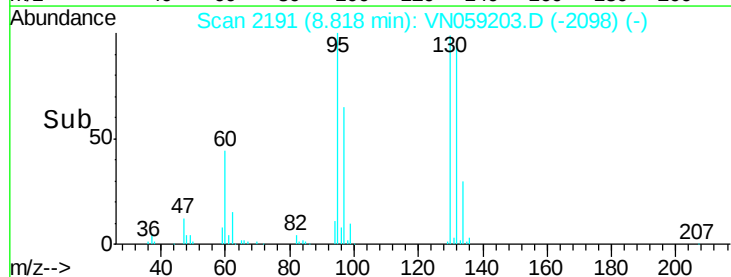
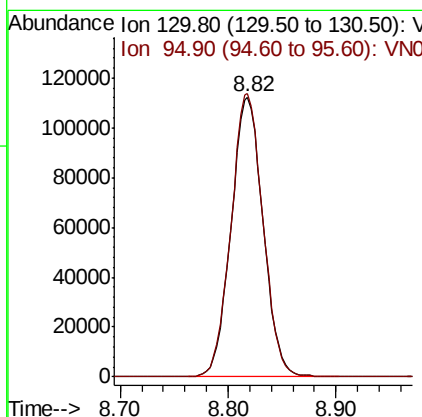
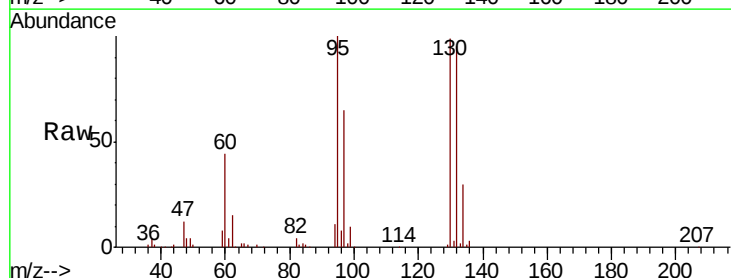
Manual Integrations
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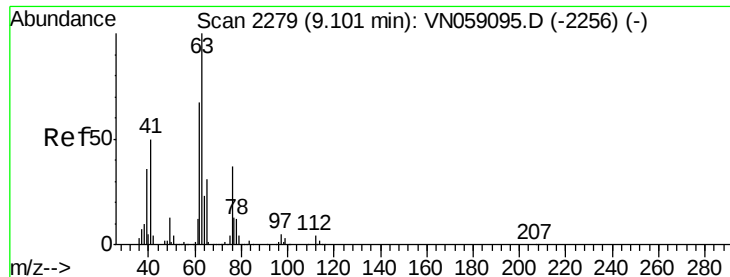
MMDadoda
11/13/2019 12:07:35 PM



#44
Trichloroethene
Concen: 49.776 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	206.4





#45

1,2-Dichloropropane

Concen: 51.312 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 264290

Ion Ratio Lower Upper

63 100

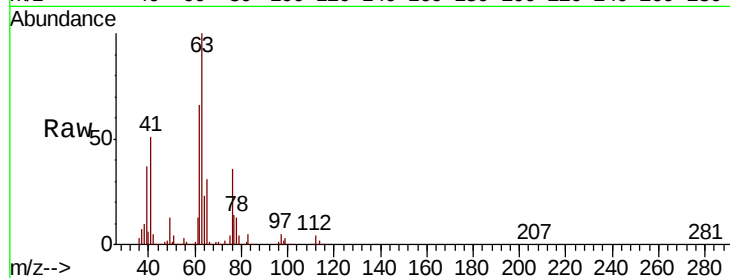
65 30.9 24.6 37.0

Manual Integrations

APPROVED

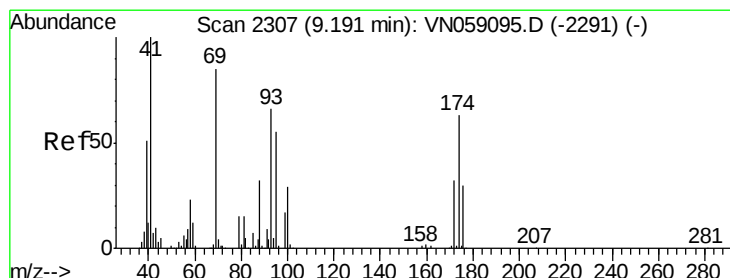
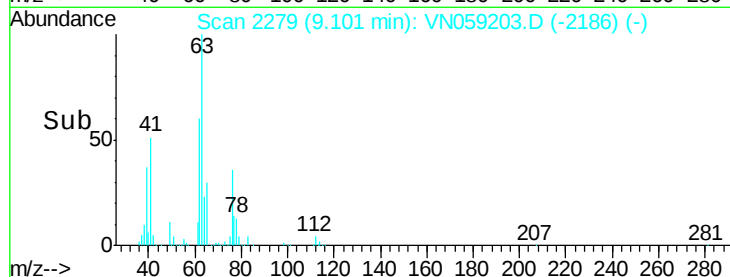
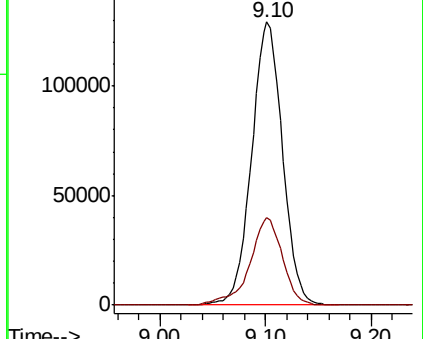
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Abundance Ion 62.90 (62.60 to 63.60): VN059203.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059203.D (-2186) (-)



#46

Dibromomethane

Concen: 49.860 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

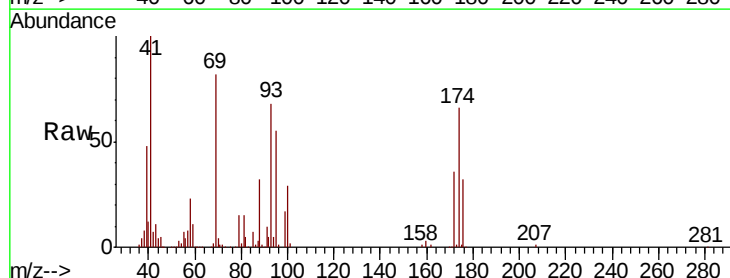
Tgt Ion: 93 Resp: 160031

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

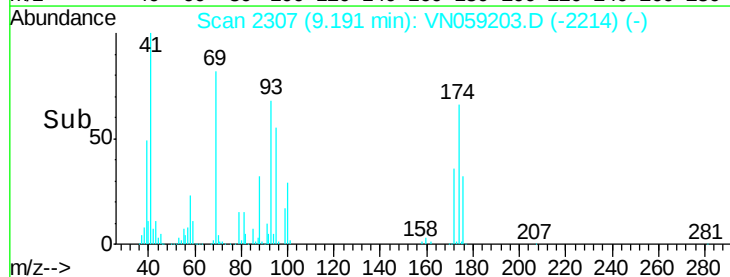
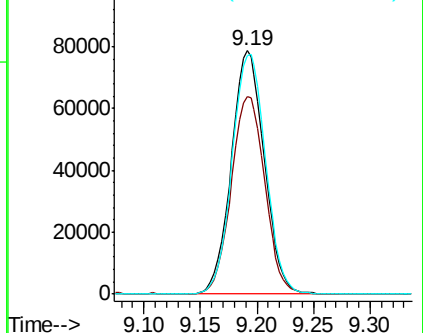
174 100.1 78.2 117.2

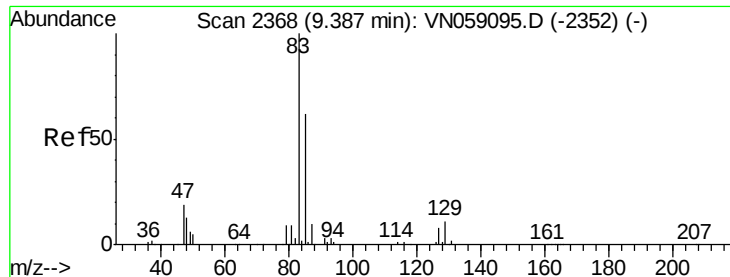


Abundance Ion 92.80 (92.50 to 93.50): VN059203.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN059203.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN059203.D (-2214) (-)





#47

Bromodichloromethane

Concen: 51.539 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

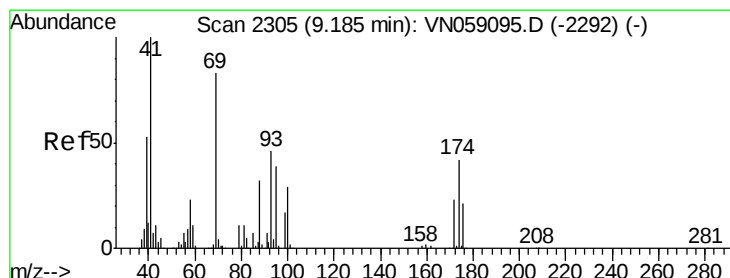
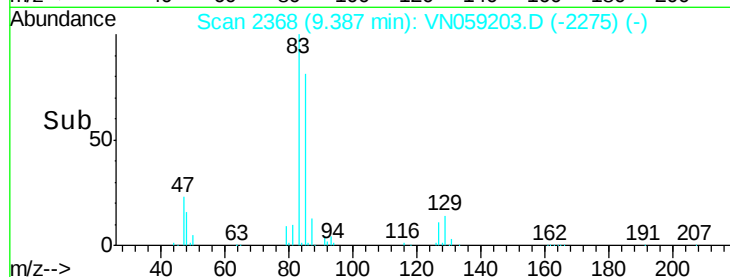
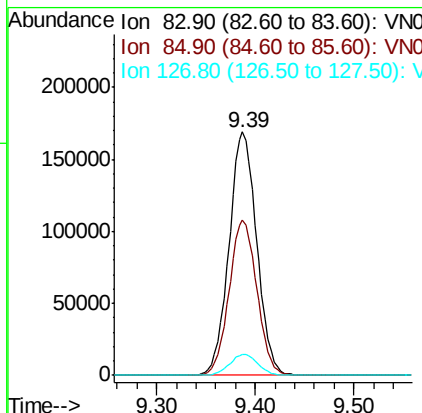
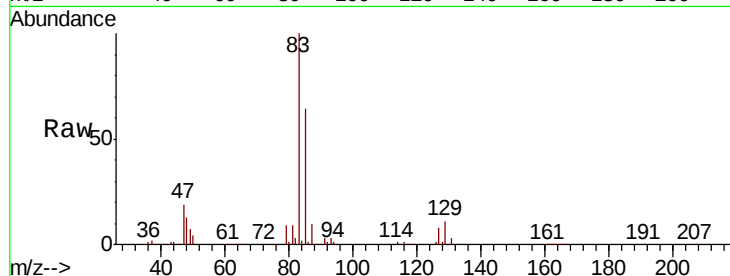
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	330317
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.7	74.5
127	8.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.196 ug/l

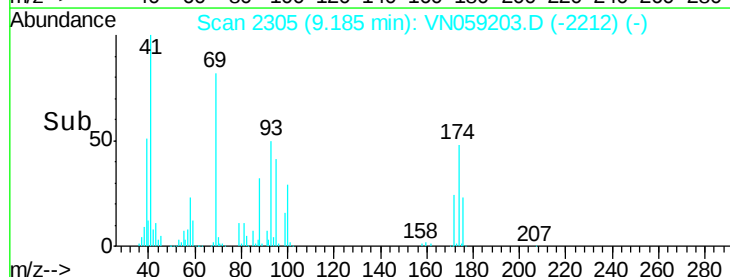
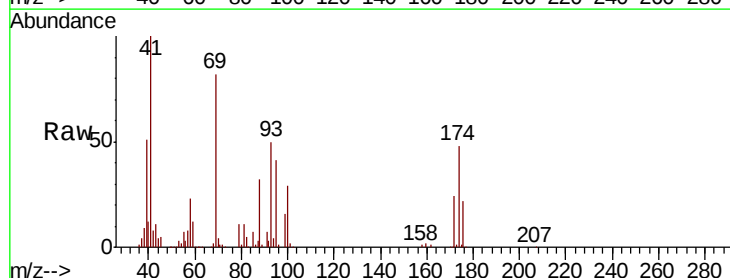
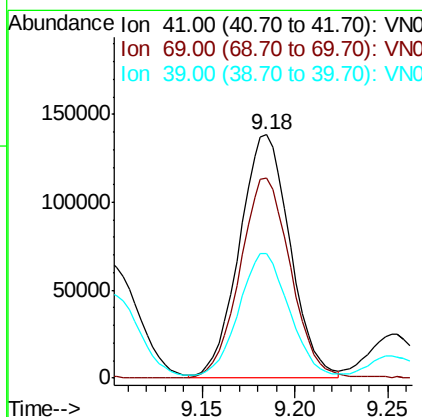
RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion:	41	Resp:	260748
Ion Ratio	Lower	Upper	
41	100		
69	83.2	67.3	100.9
39	51.5	43.3	64.9





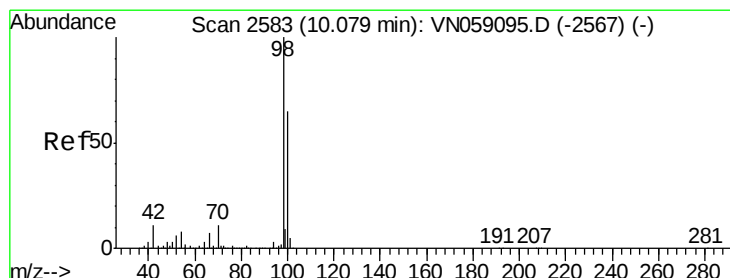
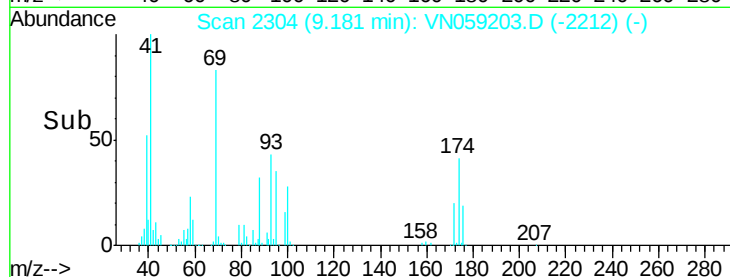
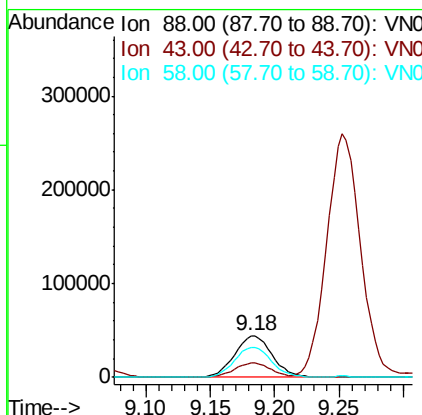
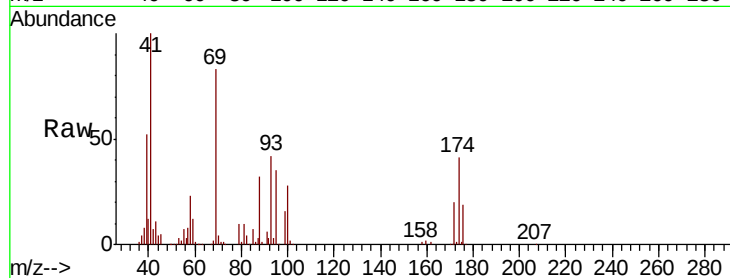
#49
1,4-Dioxane
Concen: 1011.714 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.3	39.5
58	71.8	60.6	90.8

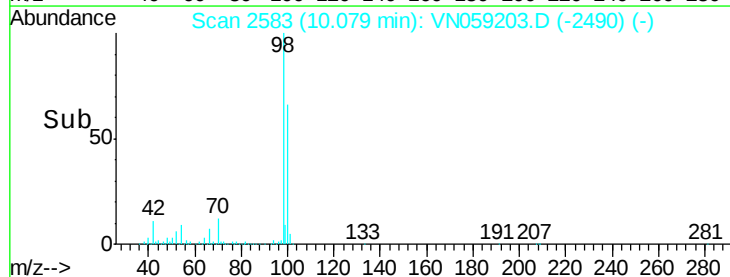
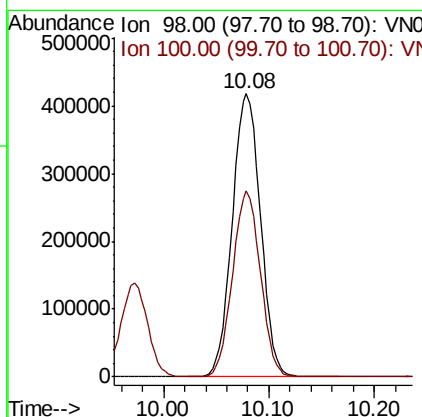
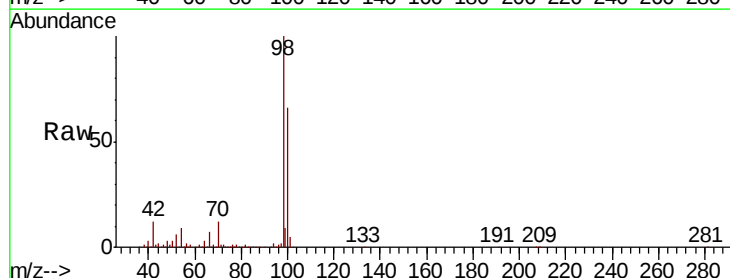
Manual Integrations
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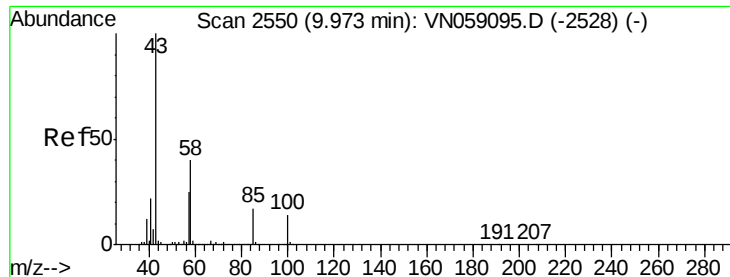
MMDadoda
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#50
Toluene-d8
Concen: 49.000 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2





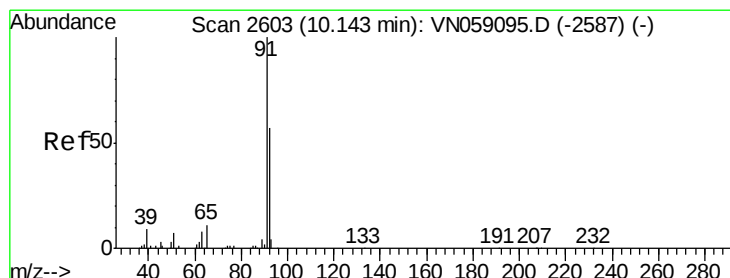
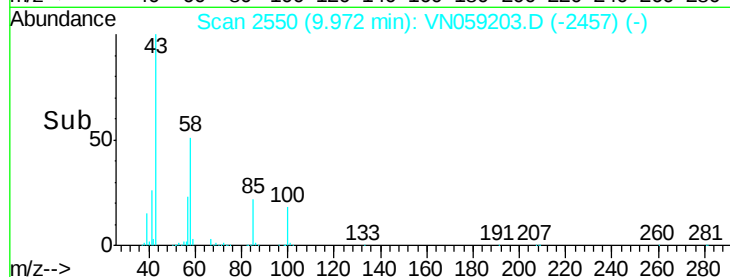
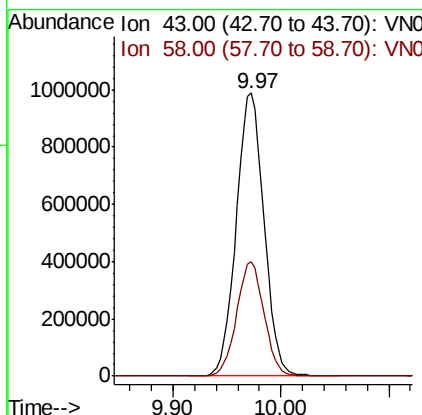
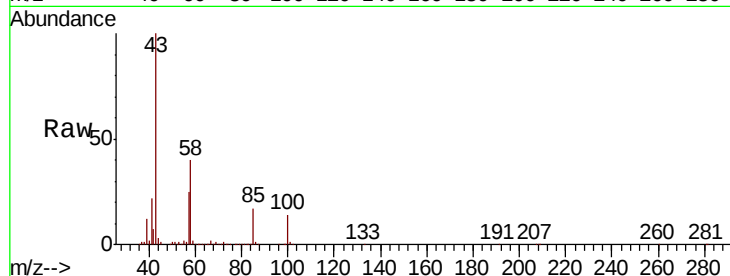
#51
4-Methyl-2-Pentanone
Concen: 280.760 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1774207
Ion Ratio Lower Upper
43 100
58 39.7 31.5 47.3

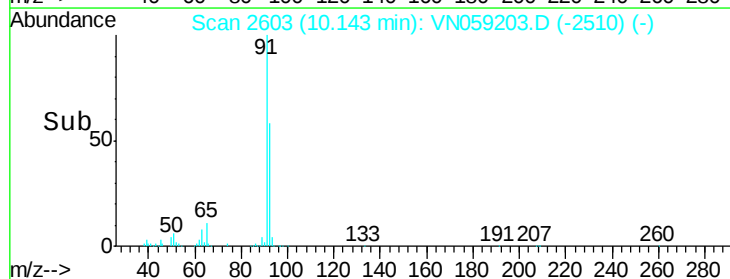
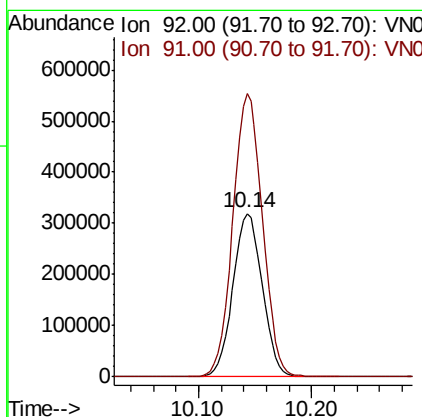
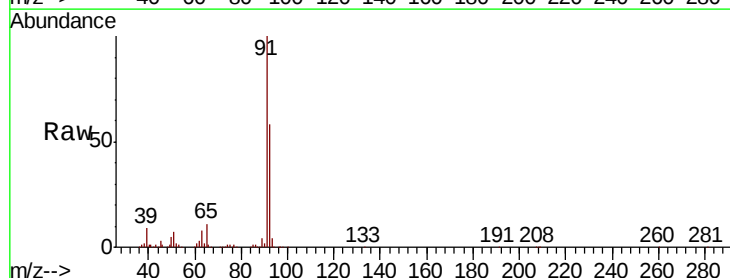
Manual Integrations
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#52
Toluene
Concen: 50.886 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion: 92 Resp: 578357
Ion Ratio Lower Upper
92 100
91 174.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.127 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 378570

Ion Ratio Lower Upper

75 100

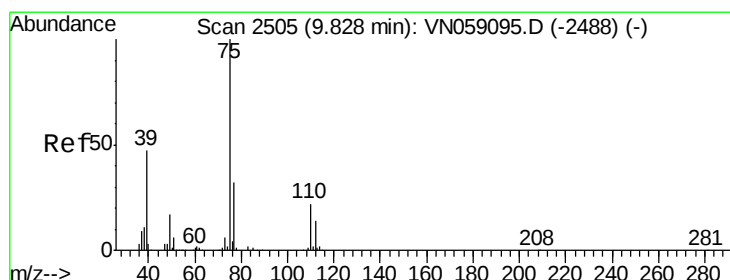
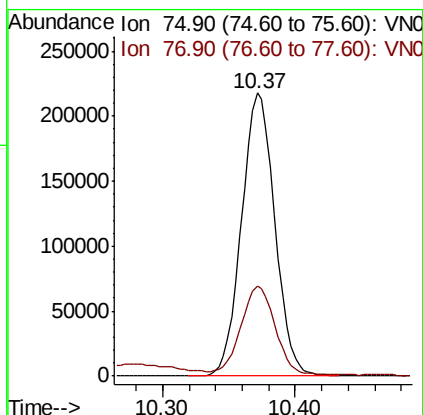
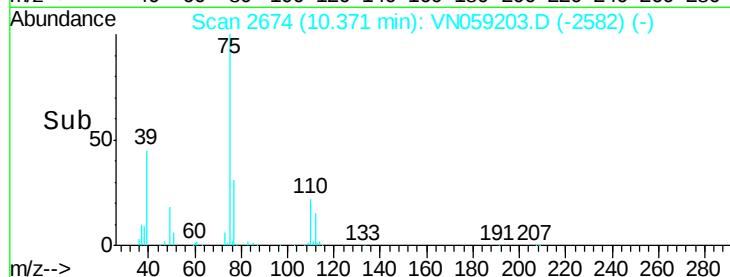
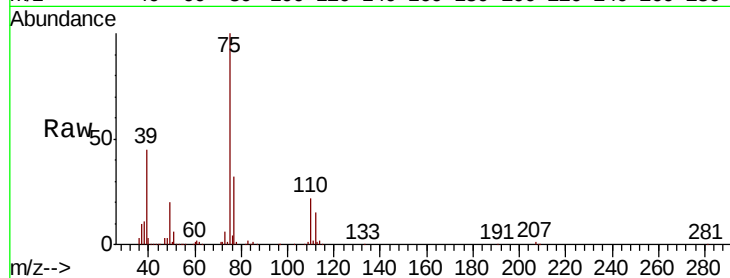
77 31.0 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.734 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

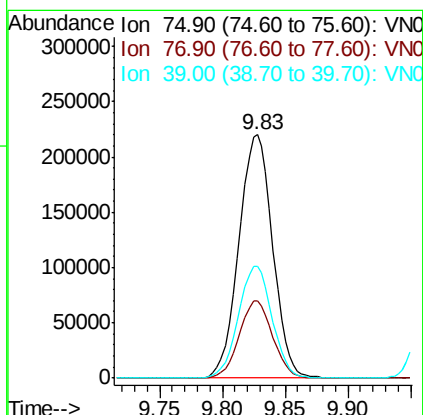
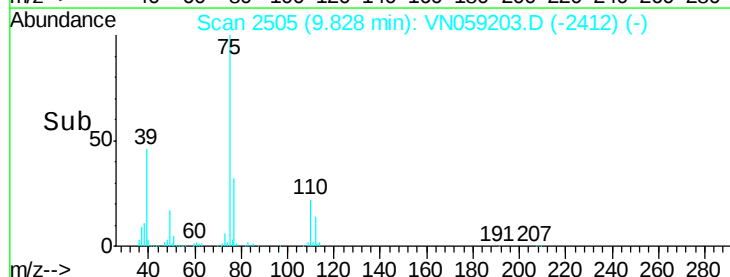
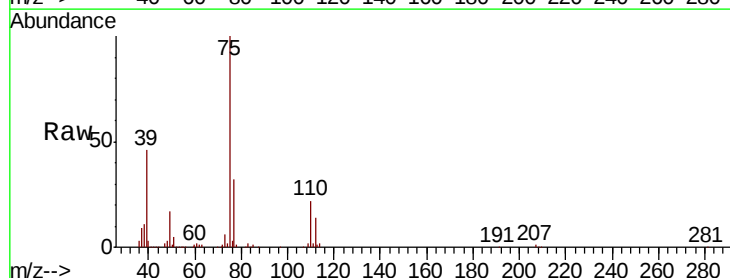
Tgt Ion: 75 Resp: 412059

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

39 46.1 37.3 55.9





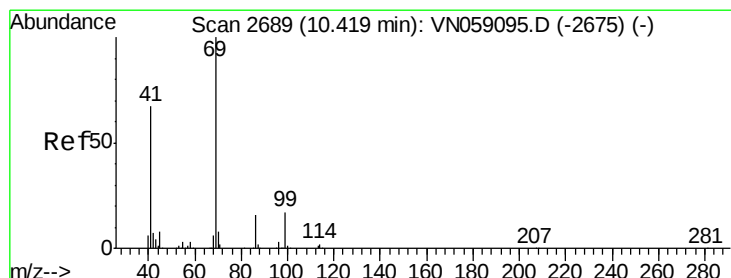
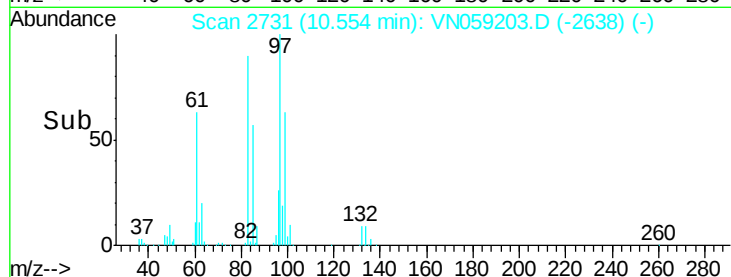
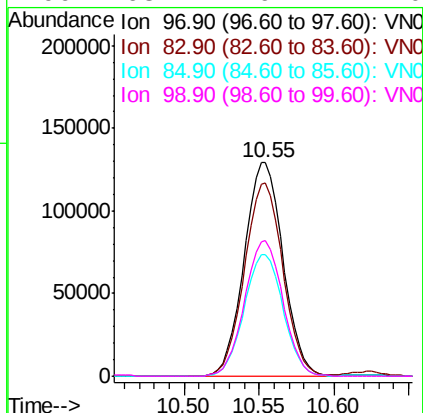
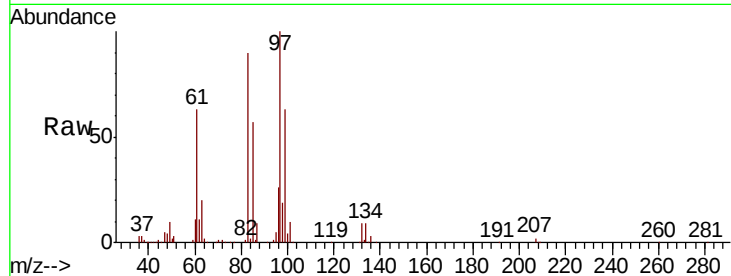
#55
 1,1,2-Trichloroethane
 Concen: 50.883 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	234050
Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.0	106.4
85	56.9	45.8	68.8
99	63.2	49.4	74.0

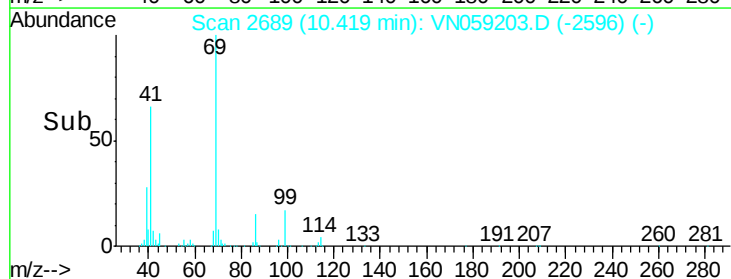
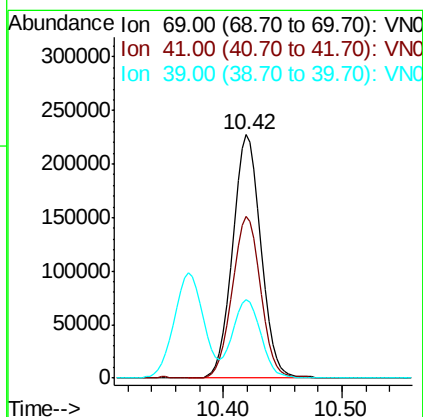
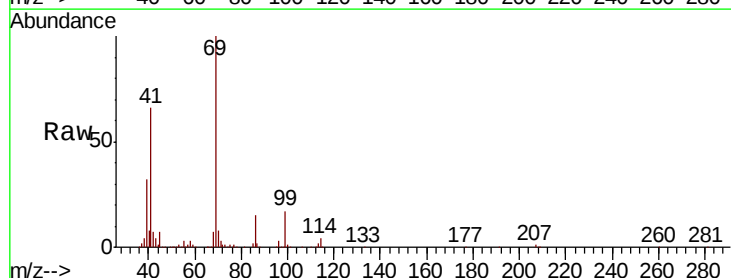
Manual Integrations
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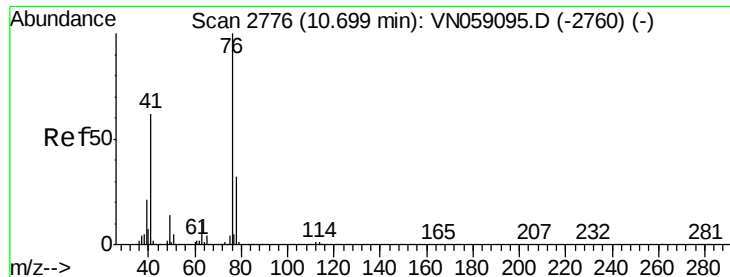
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#56
 Ethyl methacrylate
 Concen: 48.832 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Tgt Ion:	69	Resp:	374289
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.6	80.4
39	32.0	26.2	39.4





#57

1,3-Dichloropropane

Concen: 51.532 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 407971

Ion Ratio Lower Upper

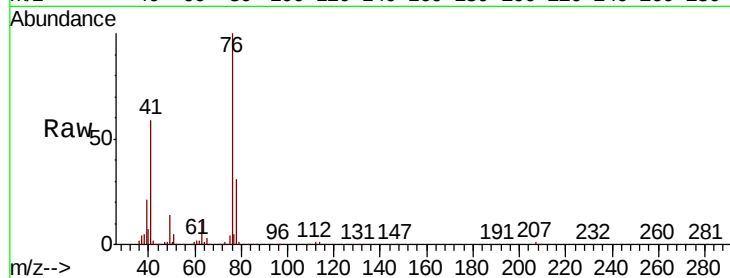
76 100

78 32.1 25.8 38.8

Manual Integrations
APPROVED

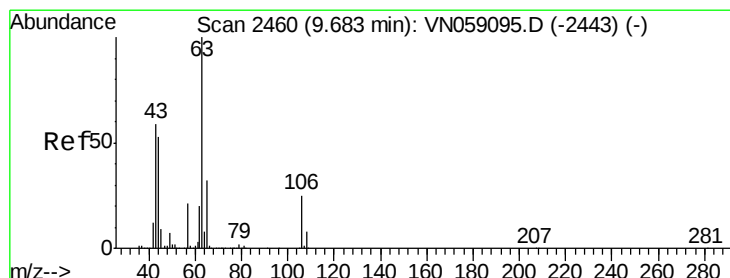
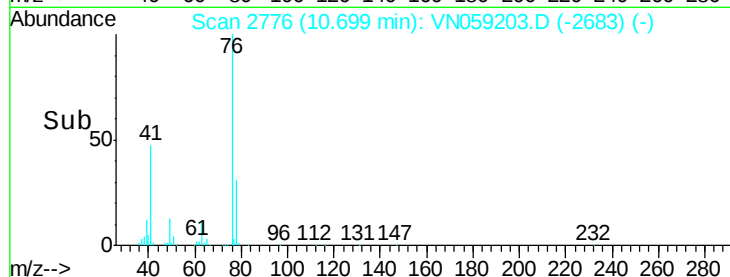
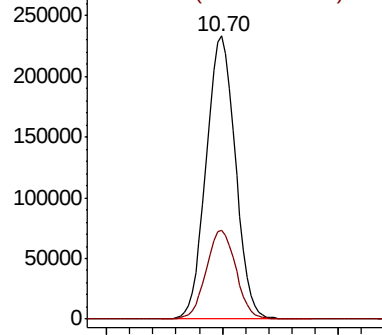
MMDadoda

11/13/2019 12:07:35 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 290.280 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059203.D

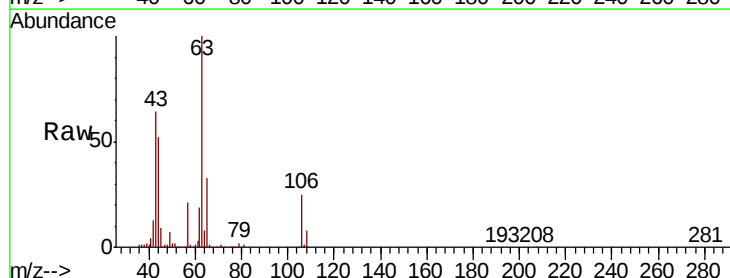
Acq: 12 Nov 2019 19:53

Tgt Ion: 63 Resp: 743092

Ion Ratio Lower Upper

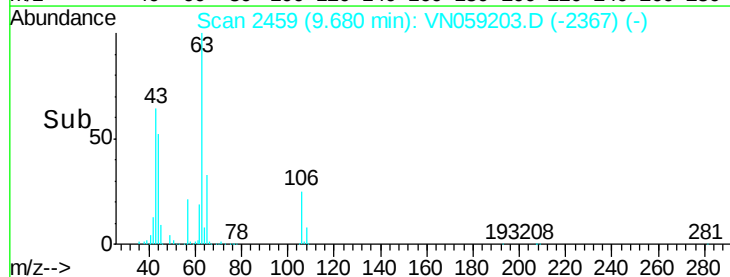
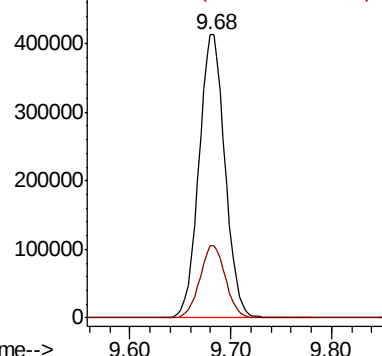
63 100

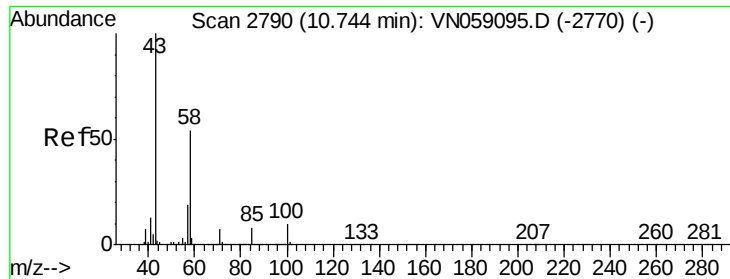
106 25.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





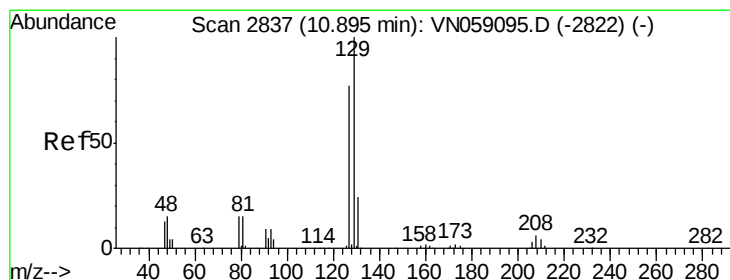
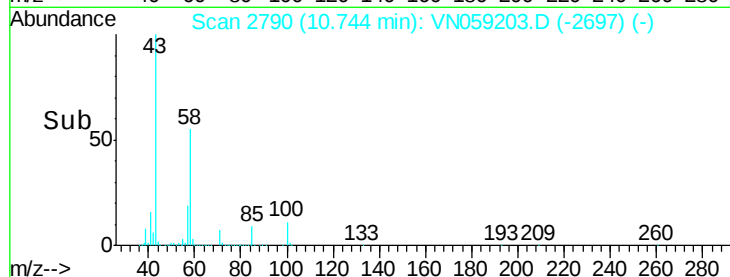
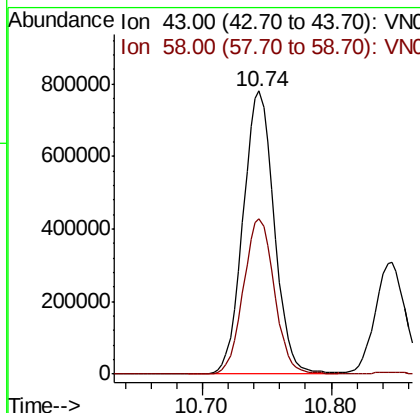
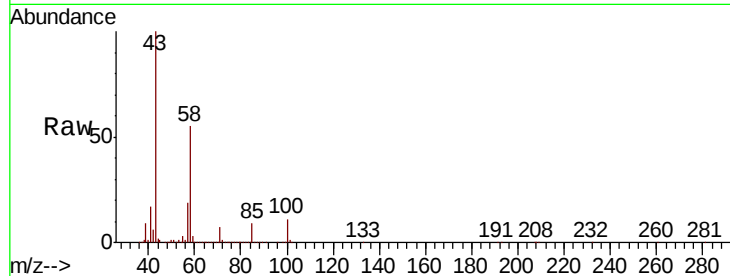
#59
2-Hexanone
Concen: 270.600 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1312504
Ion Ratio Lower Upper
43 100
58 54.9 27.3 81.8

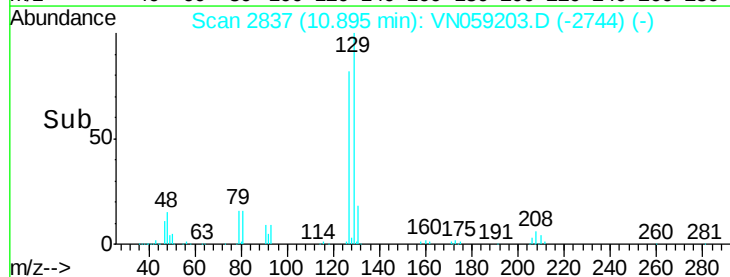
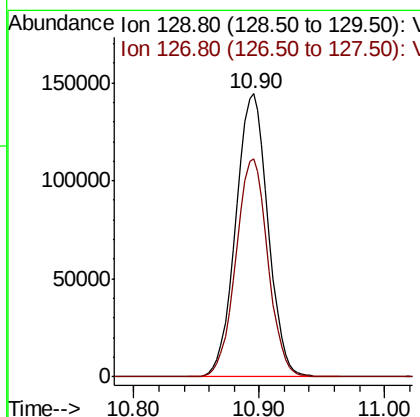
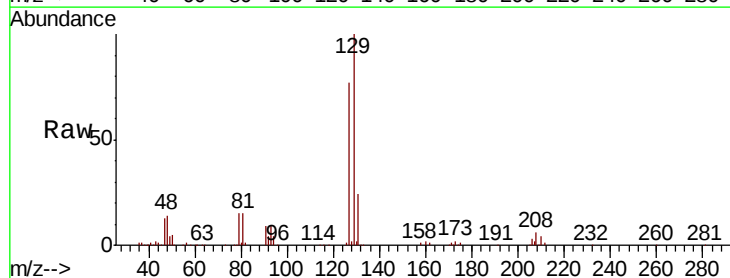
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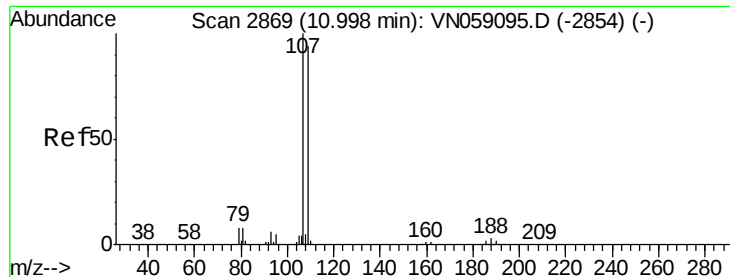
MMDadoda
11/13/2019 12:07:35 PM



#60
Dibromochloromethane
Concen: 53.067 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion: 129 Resp: 258085
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





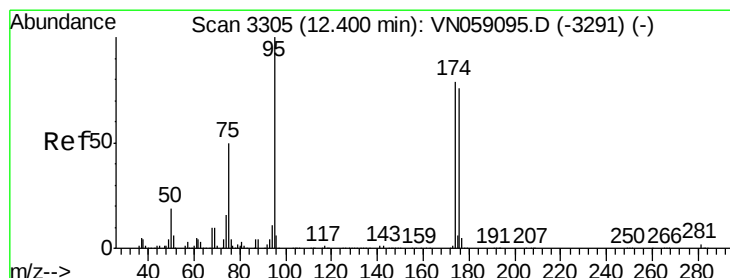
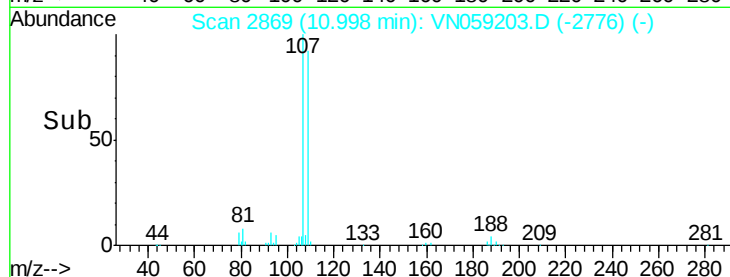
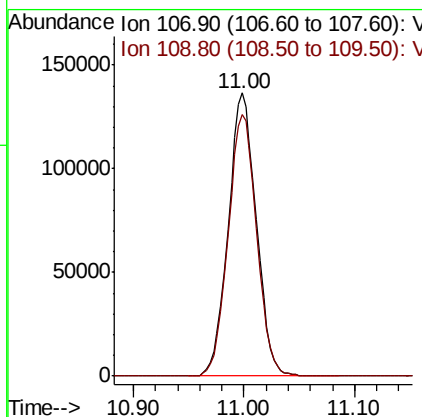
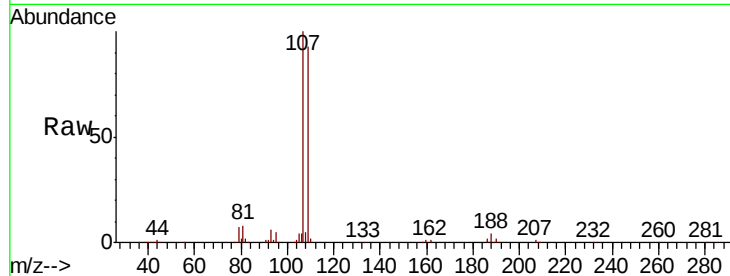
#61
 1,2-Dibromoethane
 Concen: 51.489 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.5	113.3

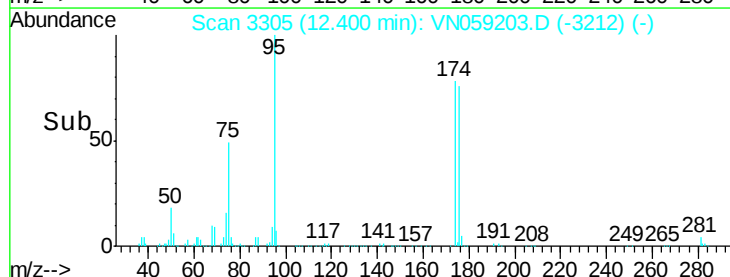
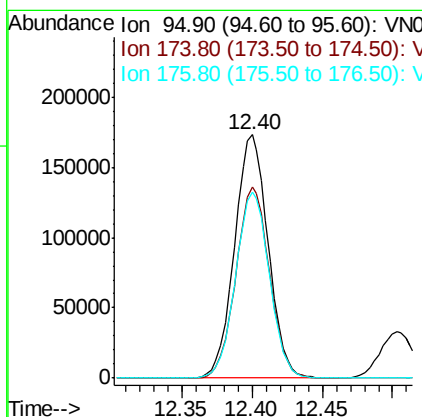
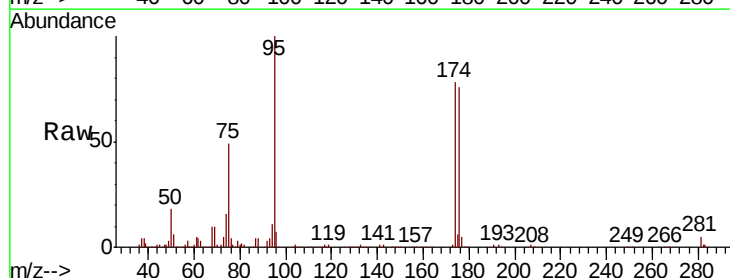
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 11/13/2019 12:07:35 PM



#62
 4-Bromofluorobenzene
 Concen: 50.626 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	158.2
176	76.8	0.0	151.8





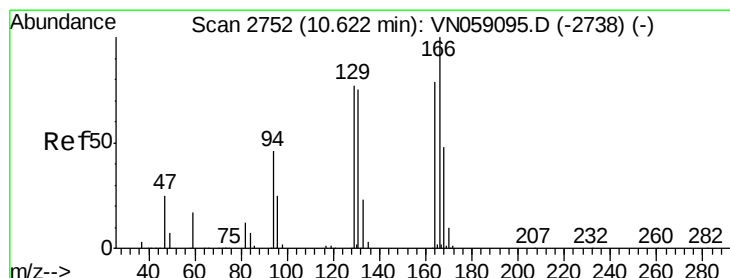
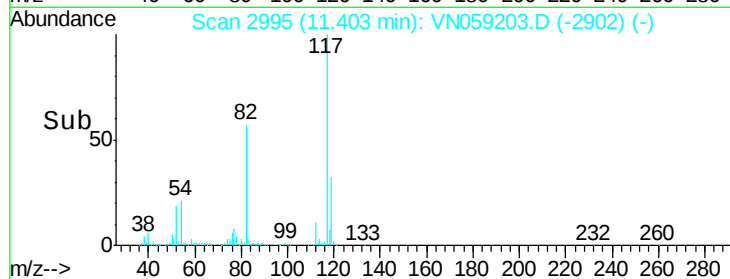
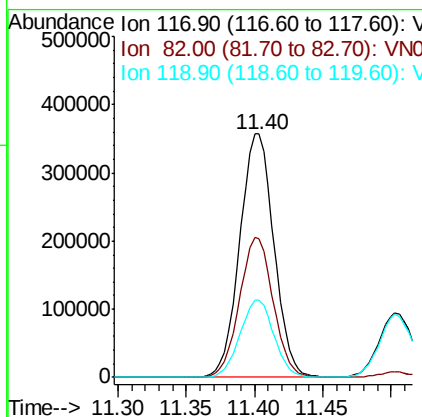
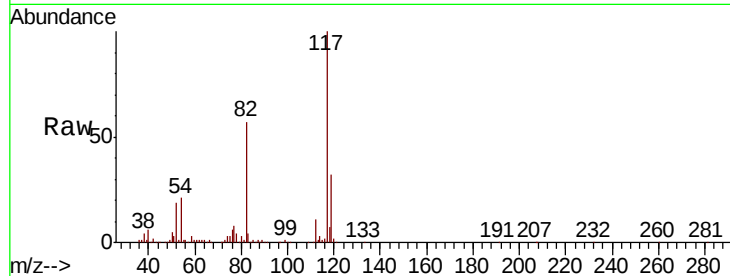
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.8	68.8
119	32.0	25.8	38.6

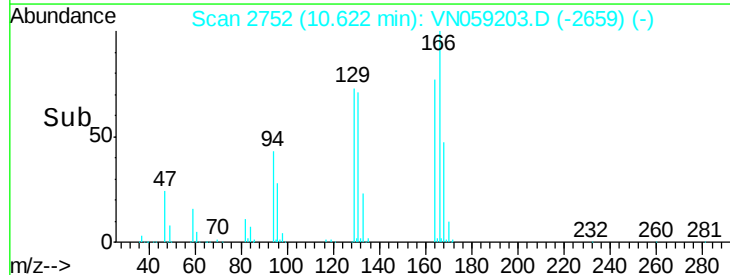
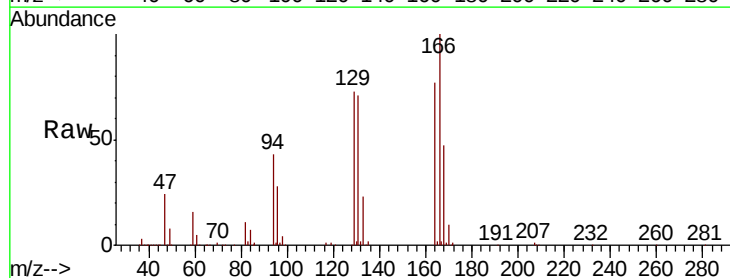
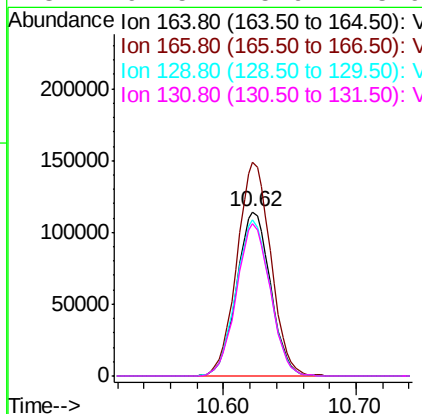
Manual Integrations
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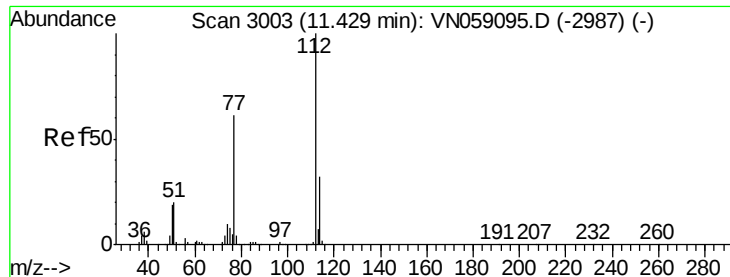
MMDadoda
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#64
Tetrachloroethene
Concen: 47.992 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.5	152.3
129	94.8	78.3	117.5
131	92.5	75.9	113.9





#65

Chlorobenzene

Concen: 50.940 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 617262

Ion Ratio Lower Upper

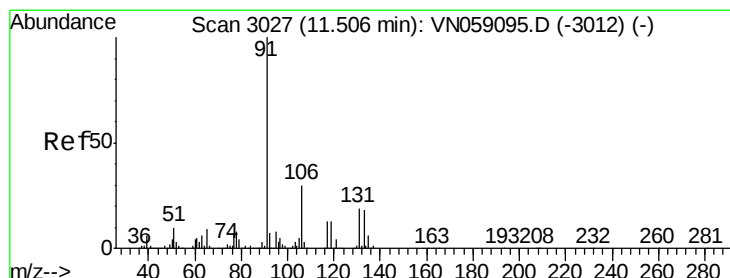
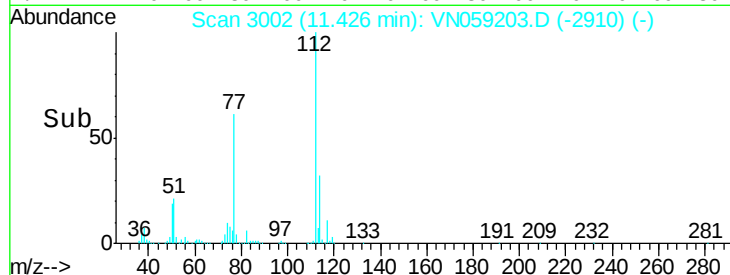
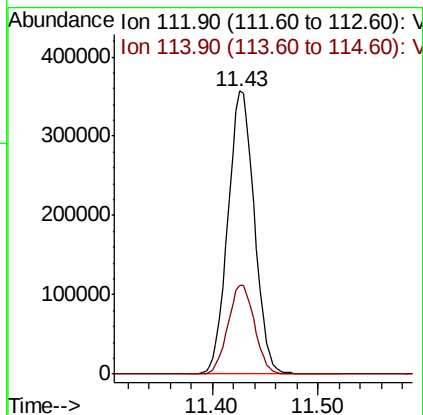
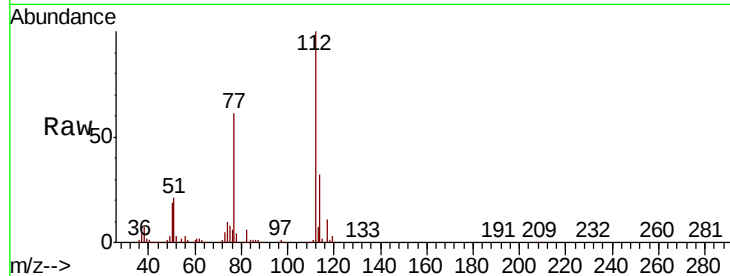
112 100

114 31.6 25.2 37.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 51.339 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

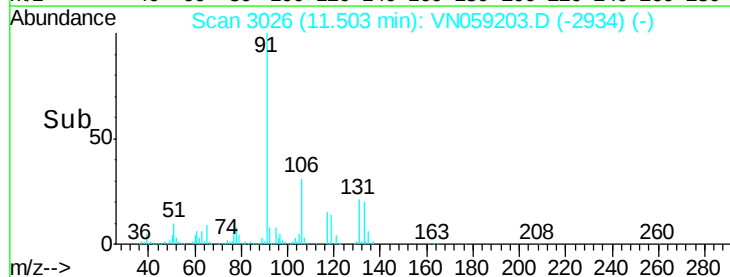
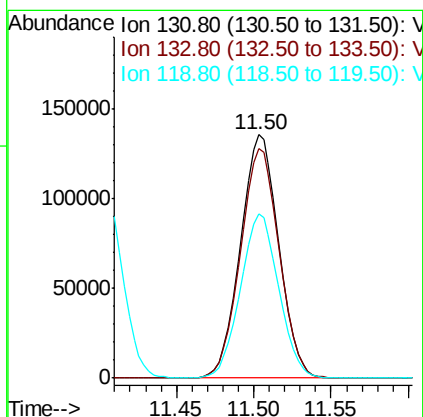
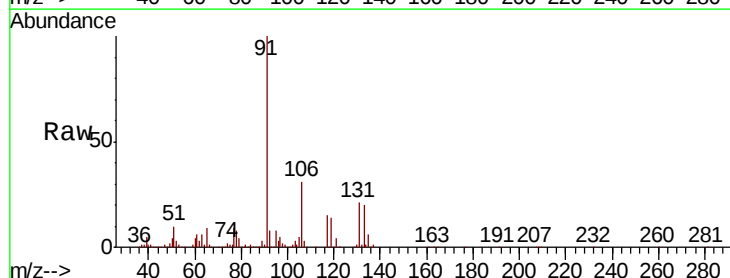
Tgt Ion:131 Resp: 233360

Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.3

119 67.7 33.2 99.6





#67

Ethyl Benzene

Concen: 51.939 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1116633

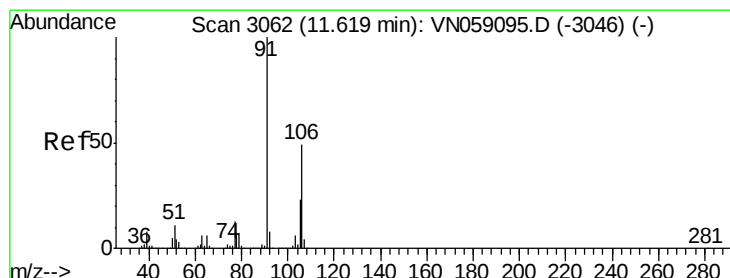
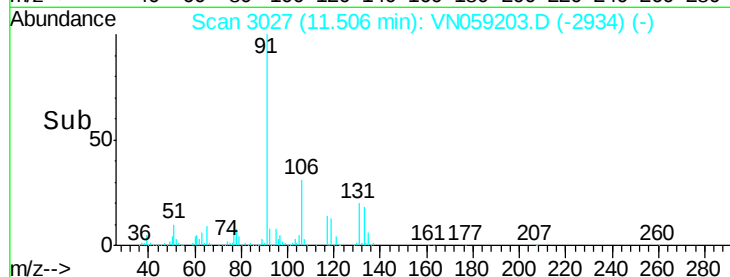
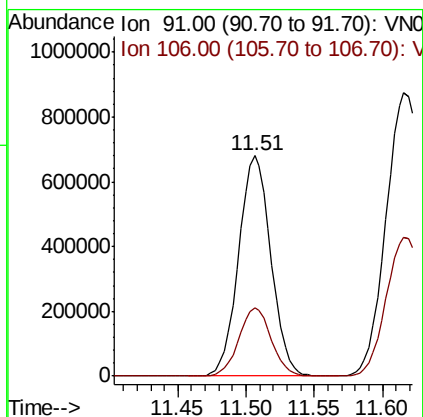
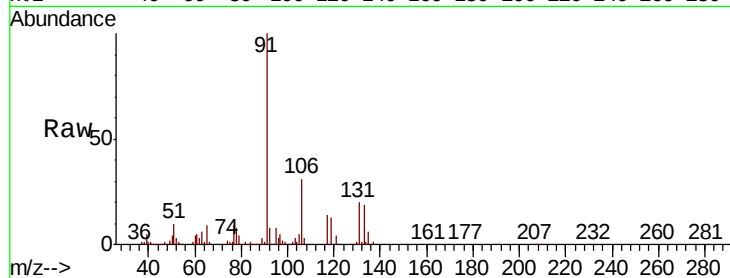
Ion Ratio Lower Upper

91 100

106 30.9 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 103.093 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059203.D

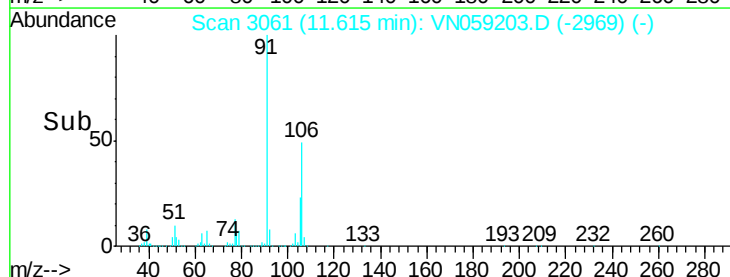
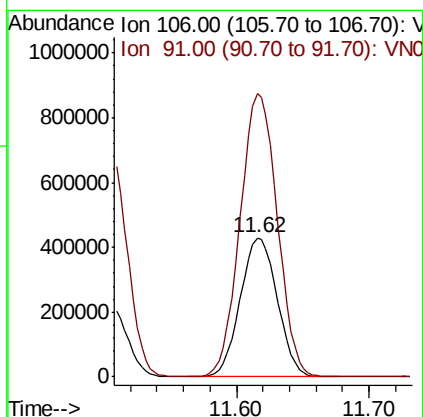
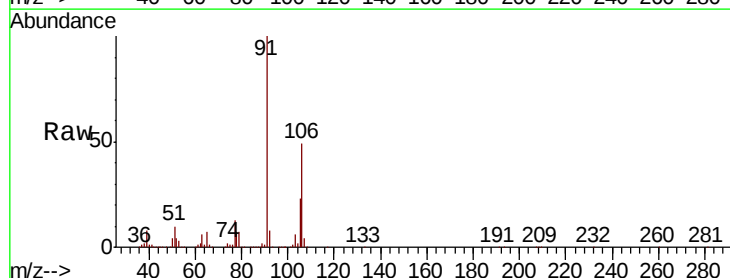
Acq: 12 Nov 2019 19:53

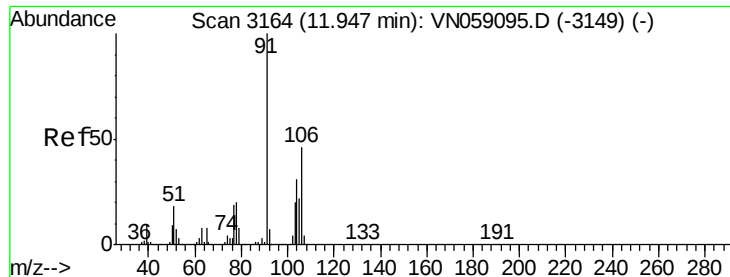
Tgt Ion: 106 Resp: 830232

Ion Ratio Lower Upper

106 100

91 205.1 164.7 247.1





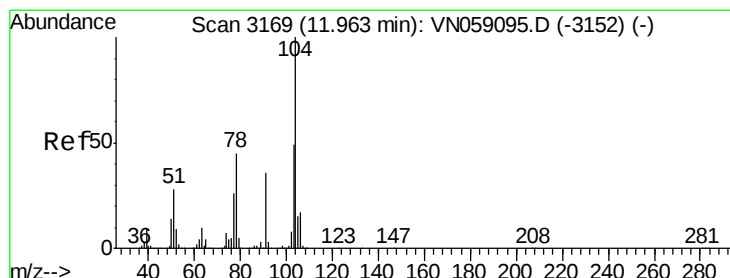
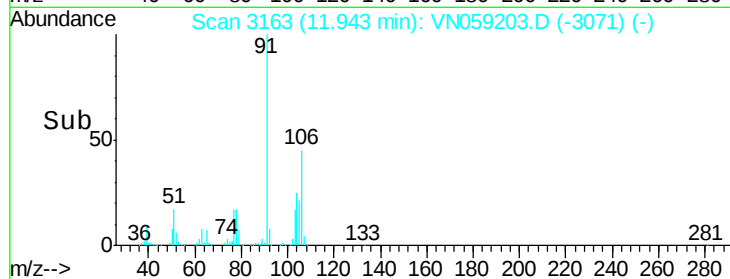
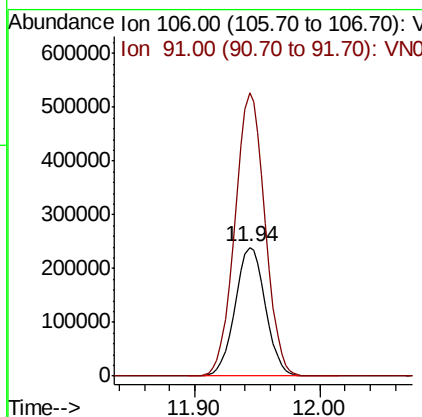
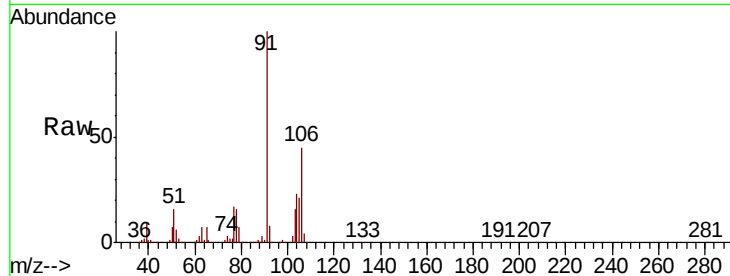
#69
o-Xylene
Concen: 51.627 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	218.0	110.1	330.3

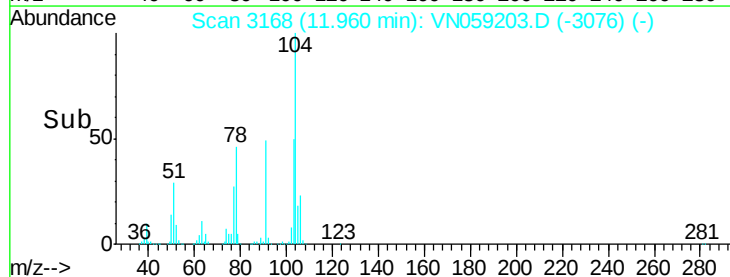
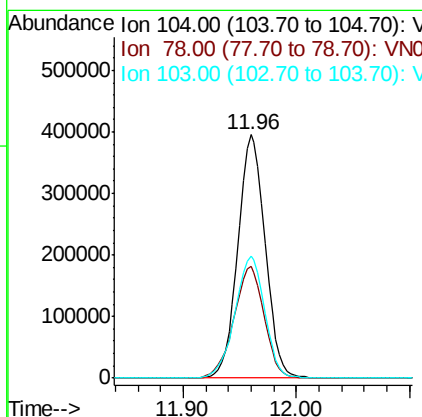
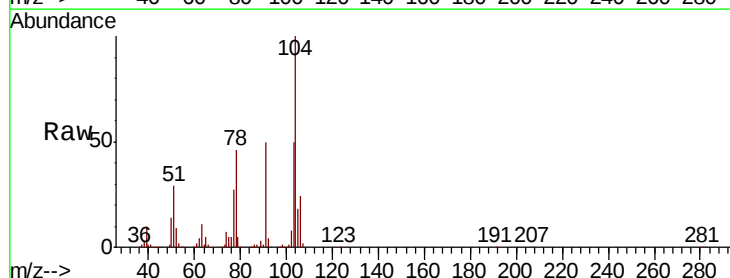
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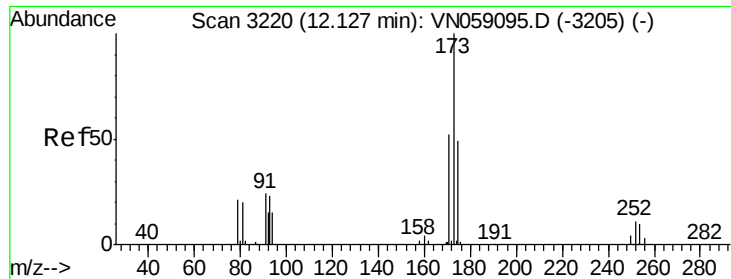
MMDadoda
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#70
Styrene
Concen: 54.474 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.6	41.2	61.8
103	103	54.7	43.8	65.6





#71

Bromoform

Concen: 52.979 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

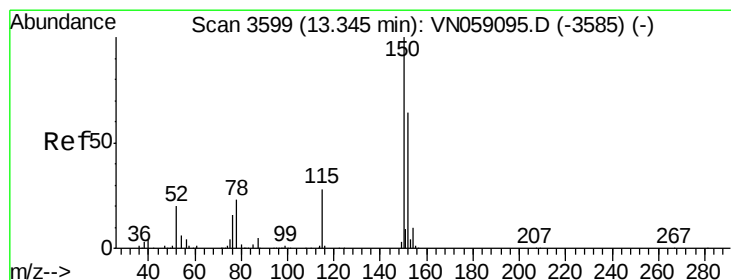
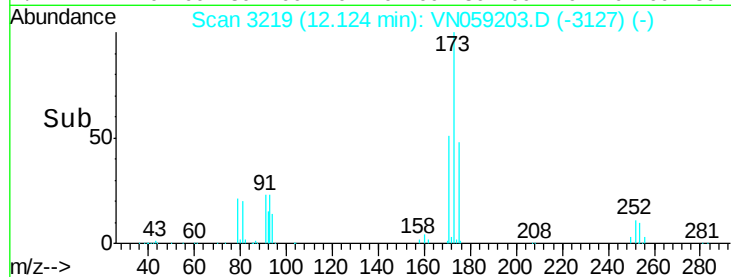
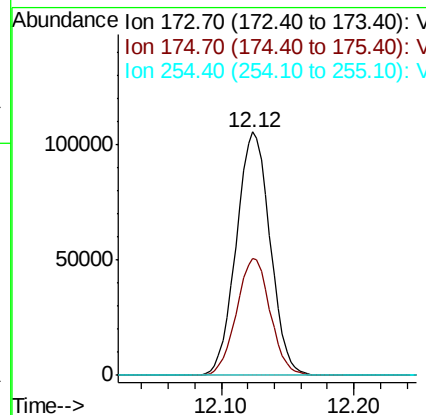
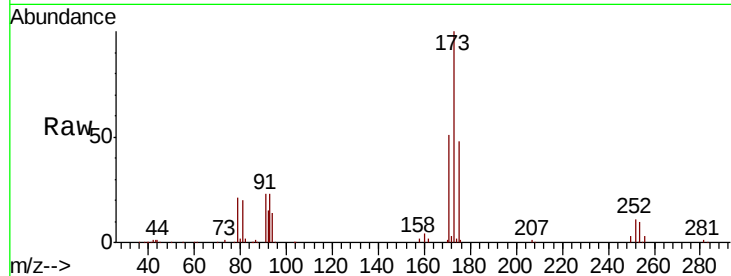
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	187315
Ion Ratio	Lower	Upper	
173	100		
175	47.7	24.2	72.6
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

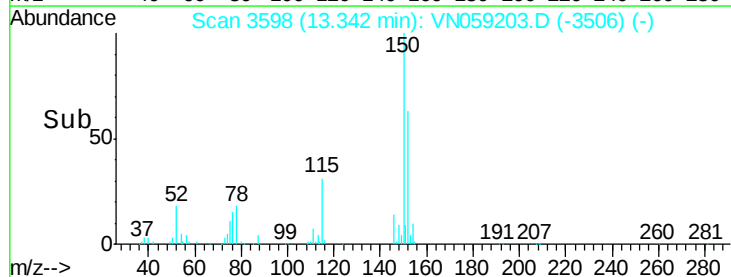
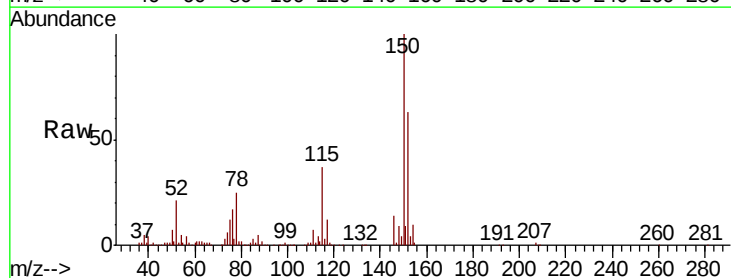
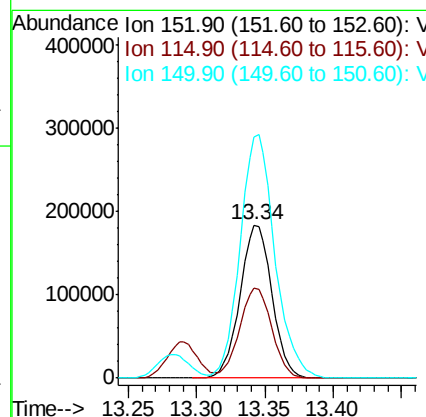
RT: 13.34 min Scan# 3598

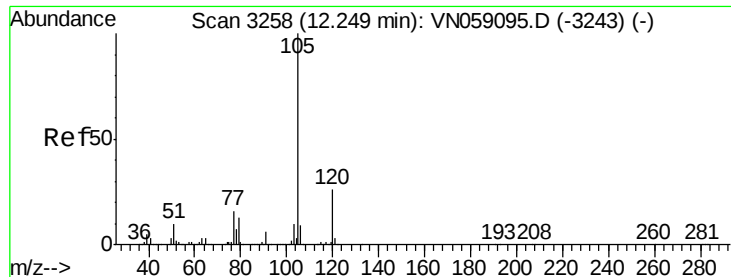
Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion:	152	Resp:	298572
Ion Ratio	Lower	Upper	
152	100		
115	59.2	29.4	88.2
150	173.0	0.0	345.8





#73

Isopropylbenzene

Concen: 49.830 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1082220

Ion Ratio Lower Upper

105 100

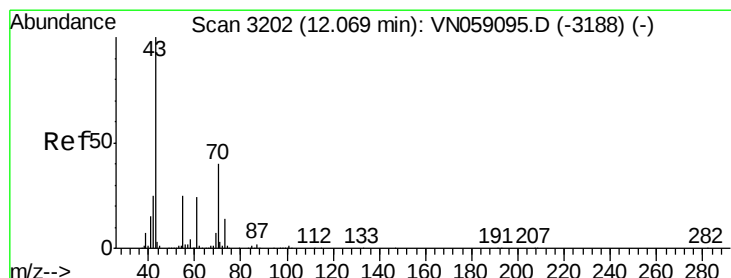
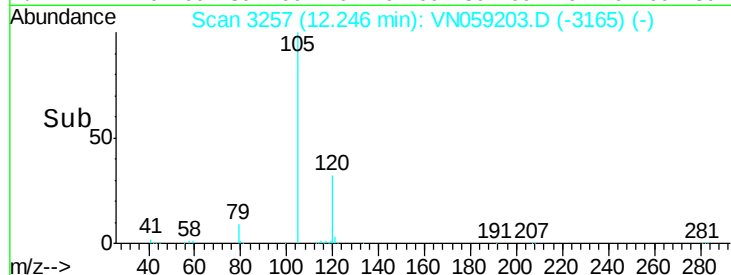
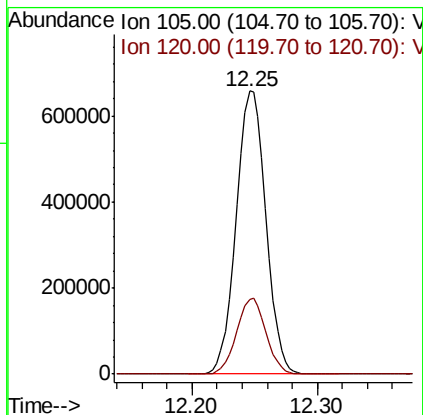
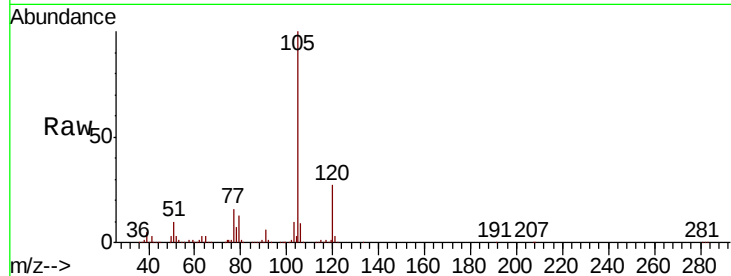
120 26.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 51.658 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion: 43 Resp: 475397

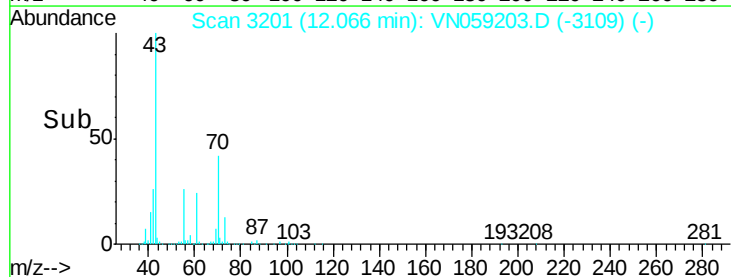
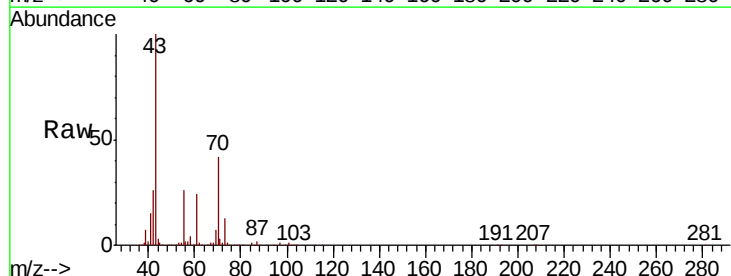
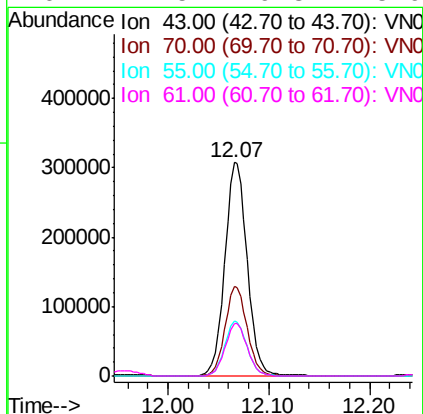
Ion Ratio Lower Upper

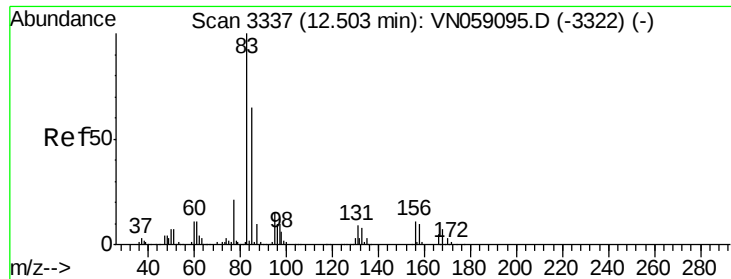
43 100

70 41.6 32.2 48.4

55 25.8 20.4 30.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.767 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

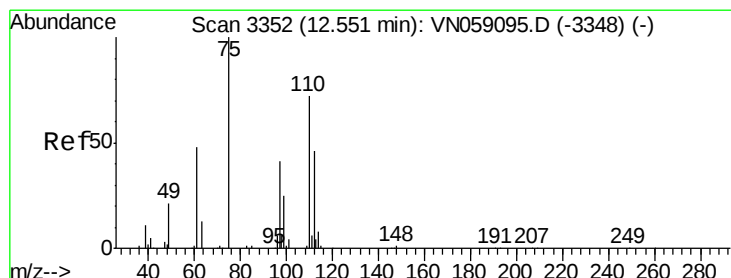
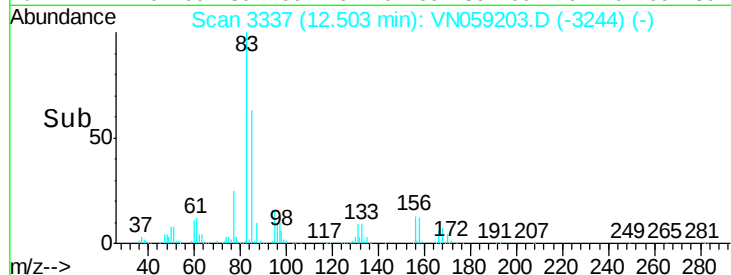
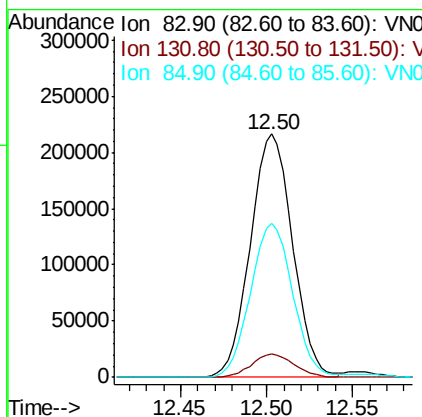
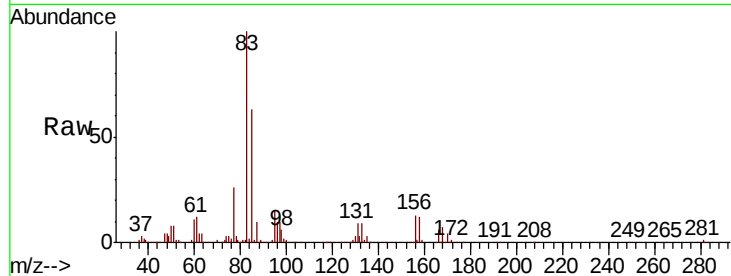
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	368083
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	63.1	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.933 ug/l m

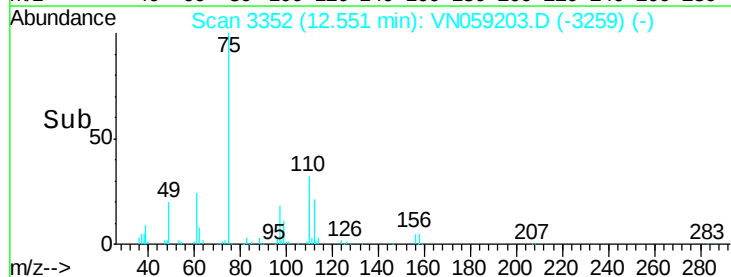
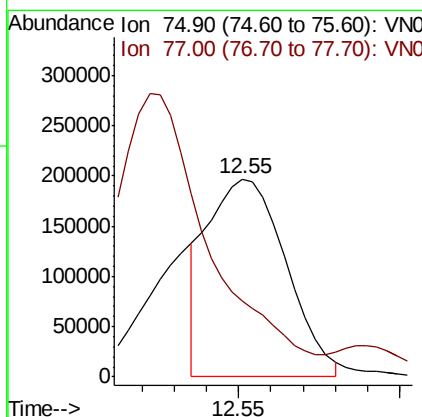
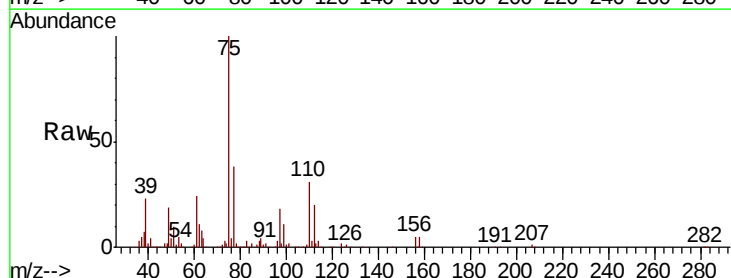
RT: 12.55 min Scan# 3352

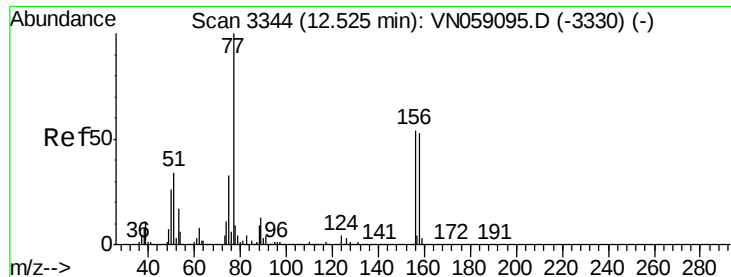
Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion:	75	Resp:	332619
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.529 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 264798

Ion Ratio Lower Upper

156 100

77 224.2 112.8 338.3

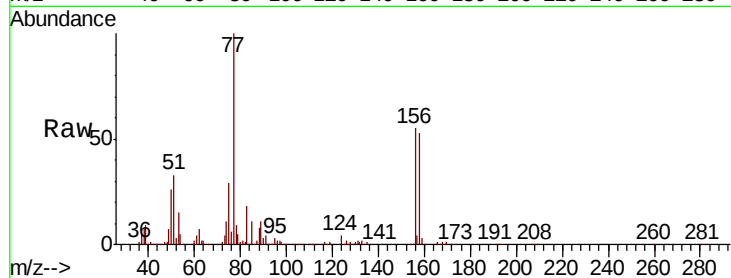
158 96.3 48.4 145.3

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V

300000

200000

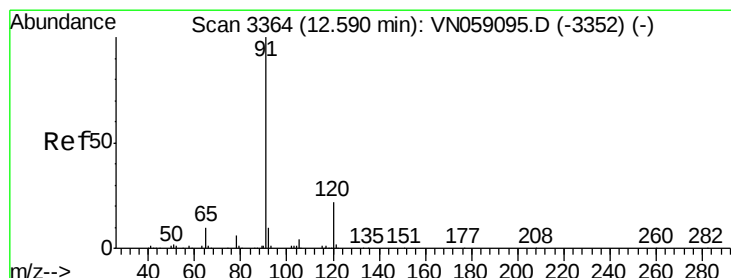
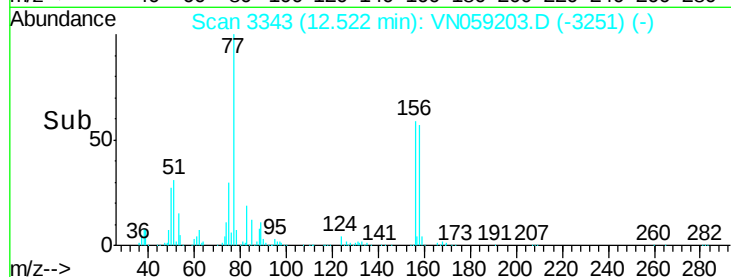
100000

0

12.52

12.60

Time-->



#78

n-propylbenzene

Concen: 51.265 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059203.D

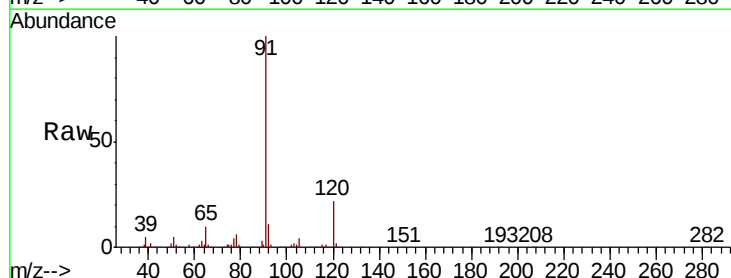
Acq: 12 Nov 2019 19:53

Tgt Ion: 91 Resp: 1274824

Ion Ratio Lower Upper

91 100

120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

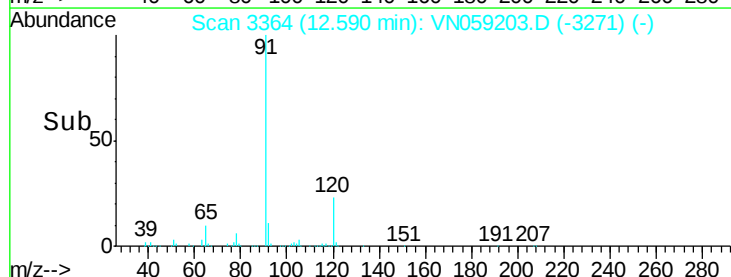
200000

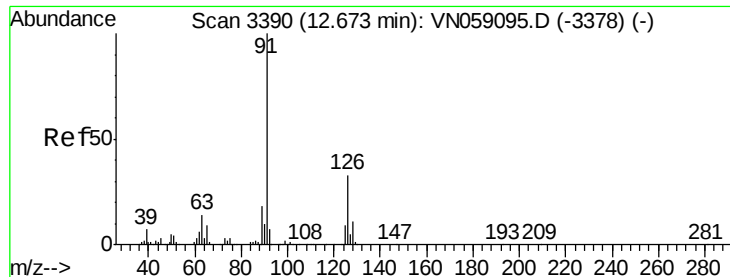
0

12.59

12.65

Time-->





#79

2-Chlorotoluene

Concen: 49.408 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 762194

Ion Ratio Lower Upper

91 100

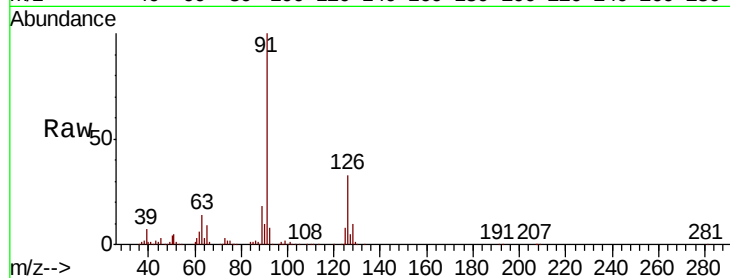
126 32.9 16.7 50.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)

800000

600000

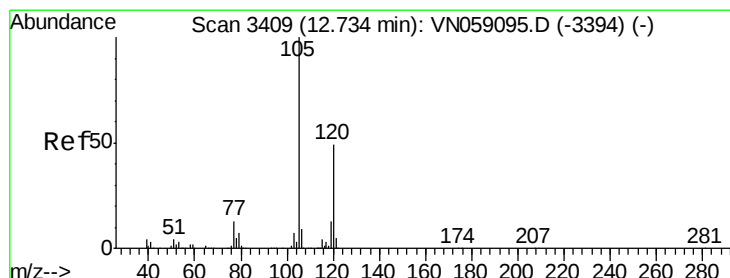
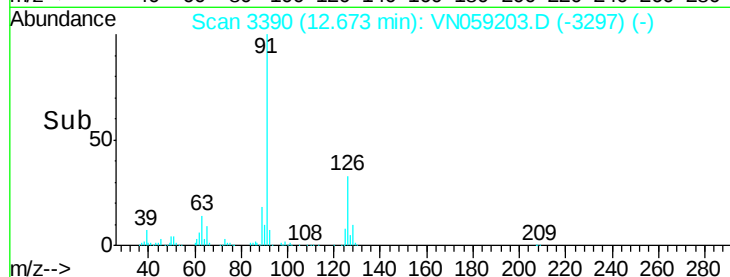
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.201 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059203.D

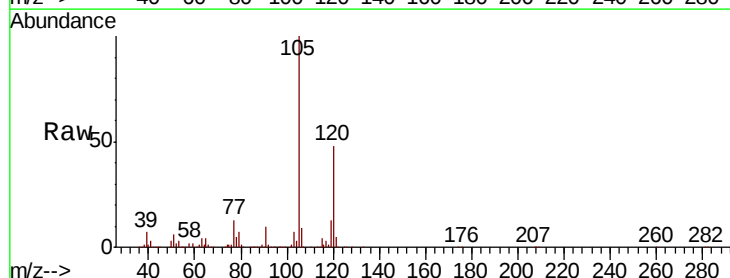
Acq: 12 Nov 2019 19:53

Tgt Ion: 105 Resp: 923844

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)

600000

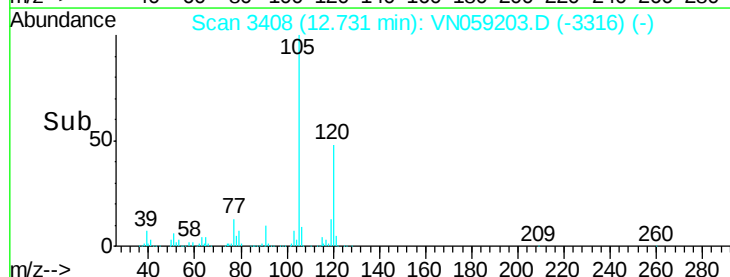
400000

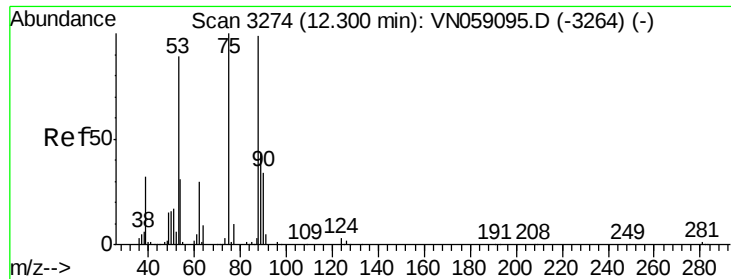
200000

0

12.70 12.80

Time-->





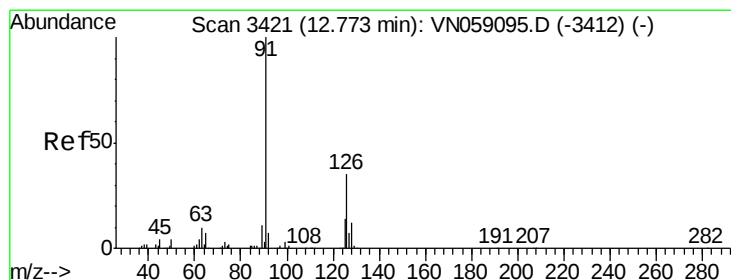
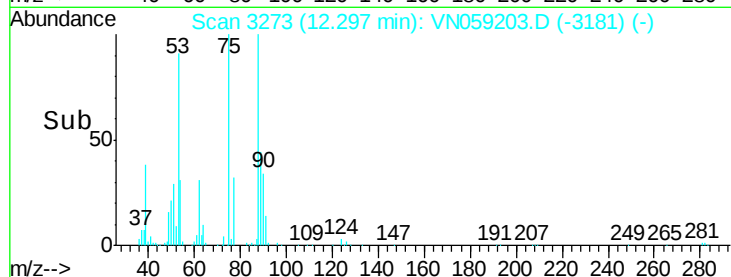
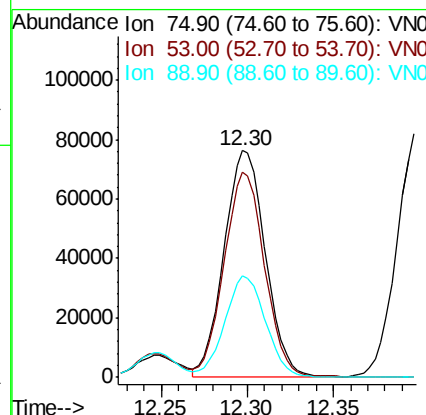
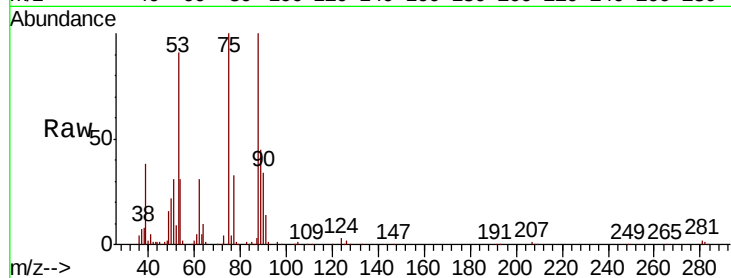
#81
trans-1,4-Dichloro-2-butene
Concen: 49.774 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.1	72.2	108.2
89	44.2	35.8	53.8

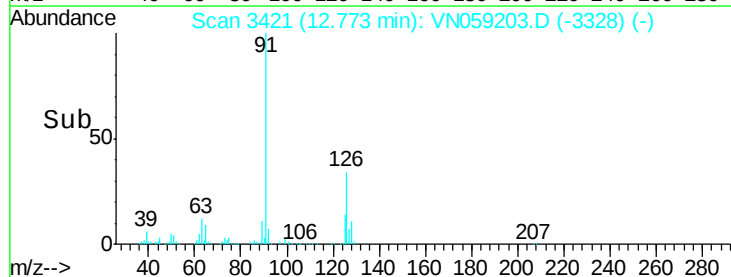
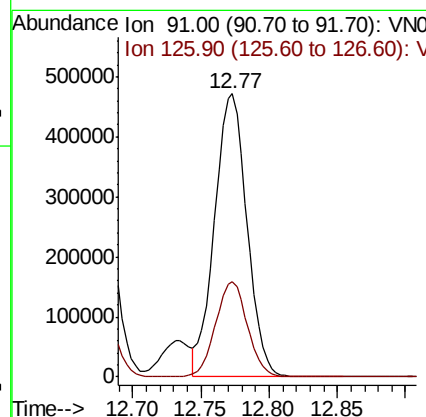
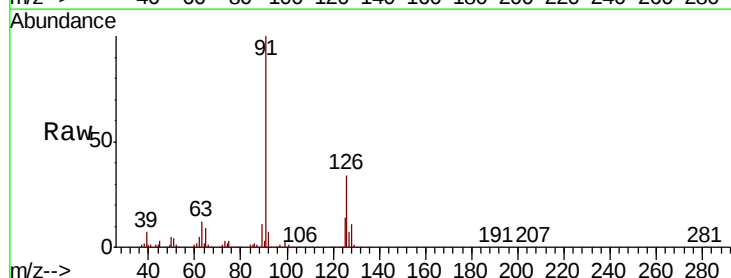
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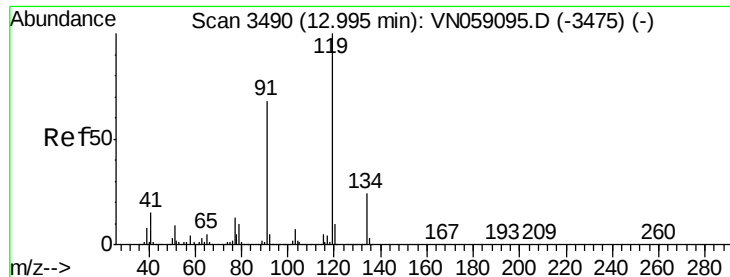
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.133 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.2





#83

tert-Butylbenzene

Concen: 49.351 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

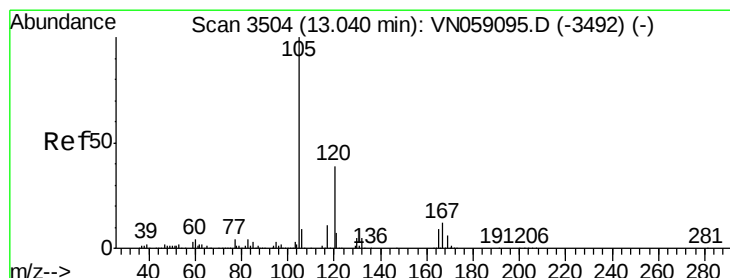
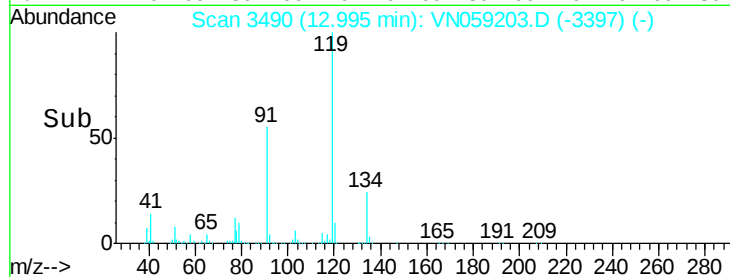
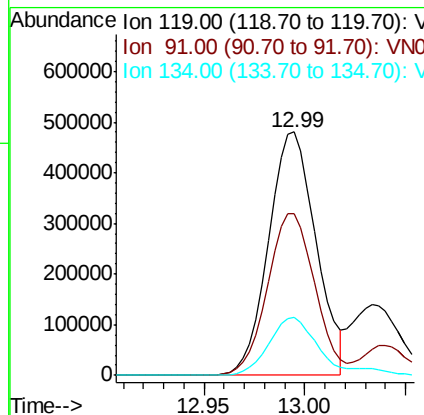
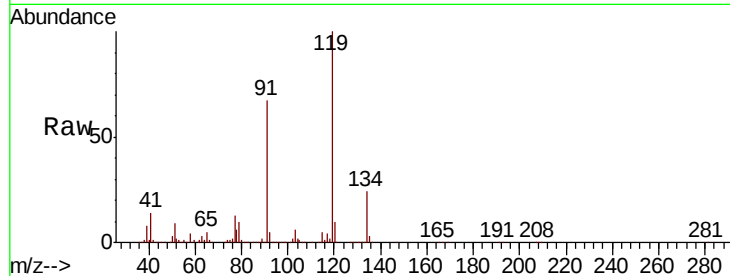
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	784314
Ion Ratio	Lower	Upper	
119	100		
91	66.4	33.2	99.6
134	24.0	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 52.117 ug/l

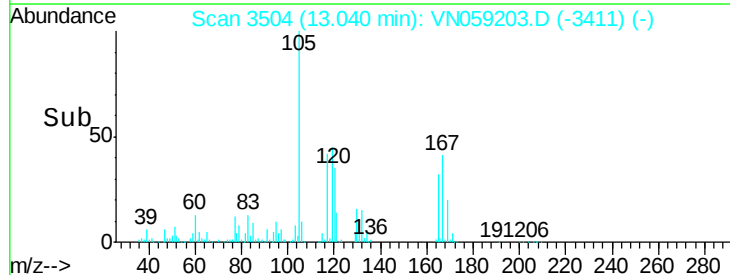
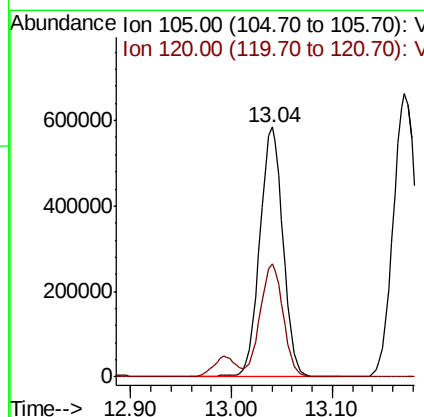
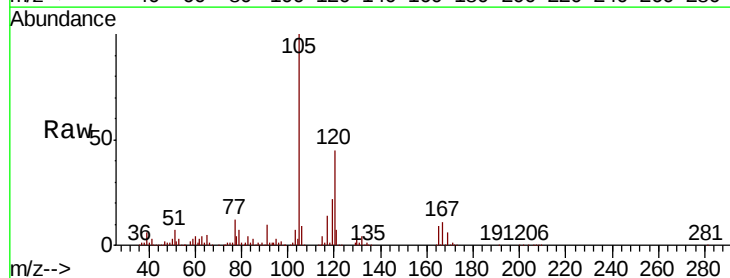
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion:	105	Resp:	927934
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 51.206 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1058360

Ion Ratio Lower Upper

105 100

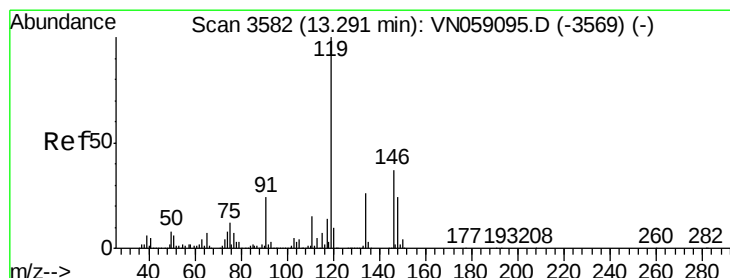
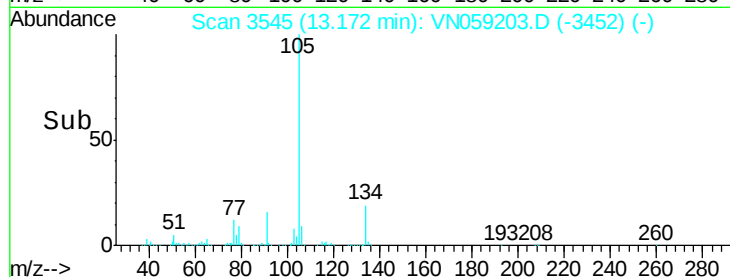
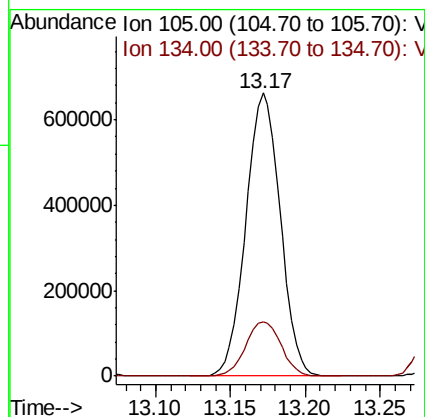
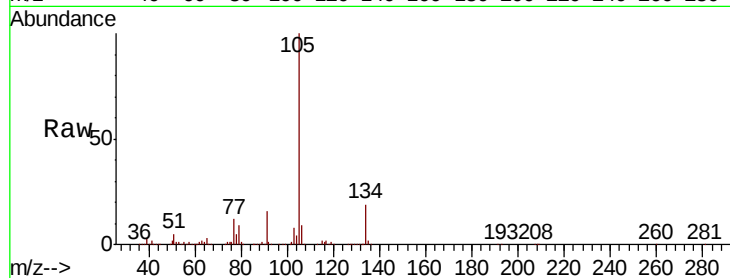
134 19.7 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.703 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

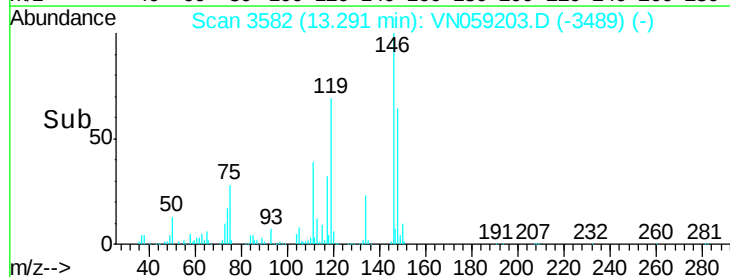
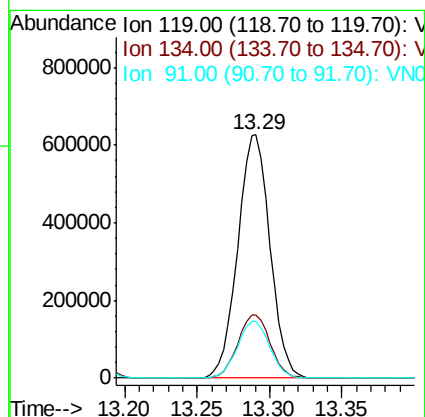
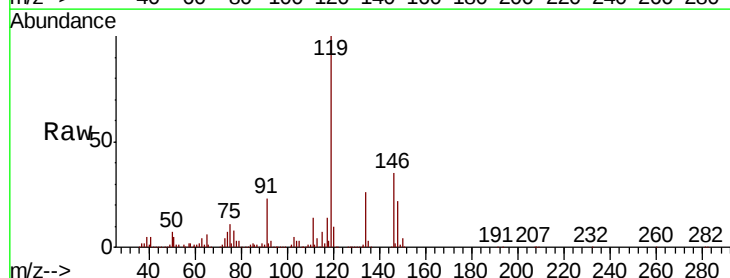
Tgt Ion:119 Resp: 961830

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.6 11.7 35.1





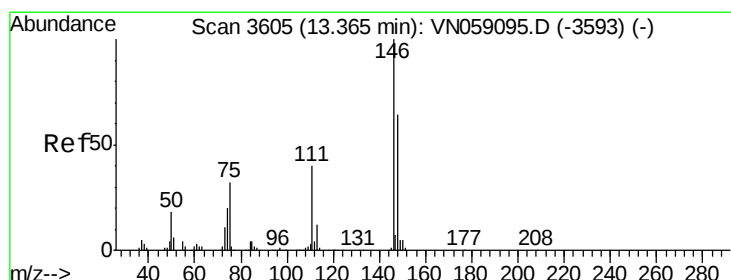
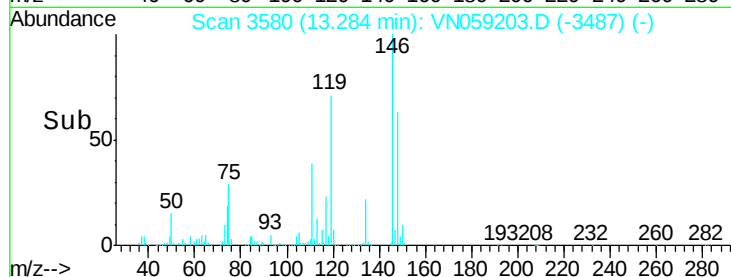
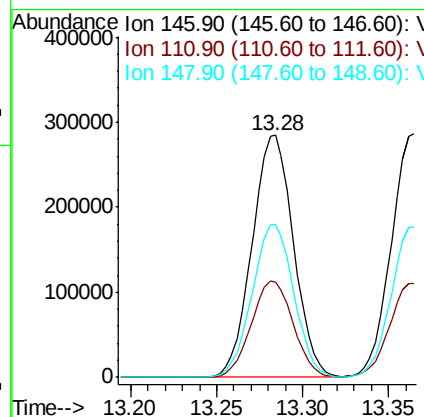
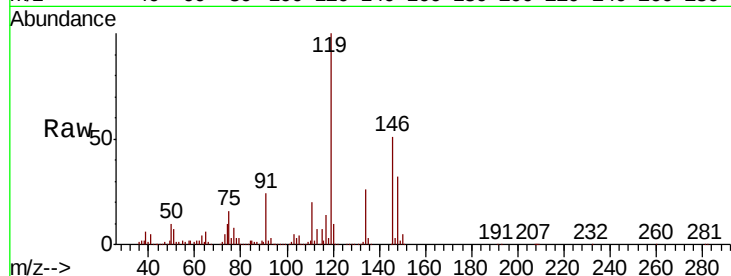
#87
 1,3-Dichlorobenzene
 Concen: 50.762 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	63.6	32.2	96.6

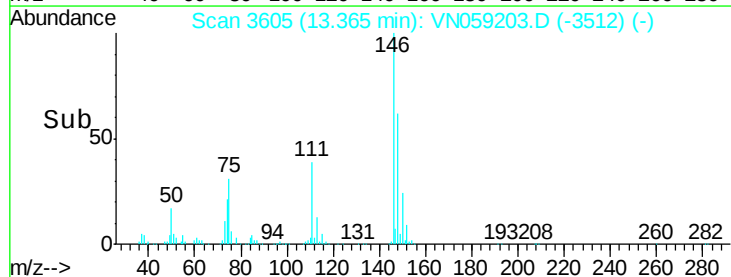
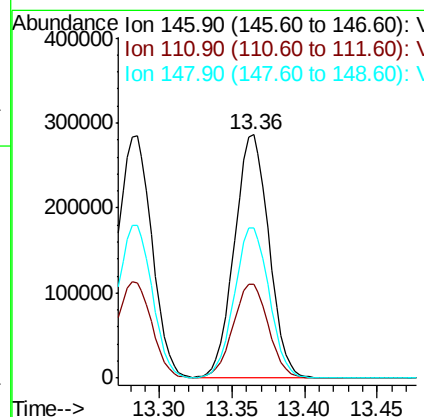
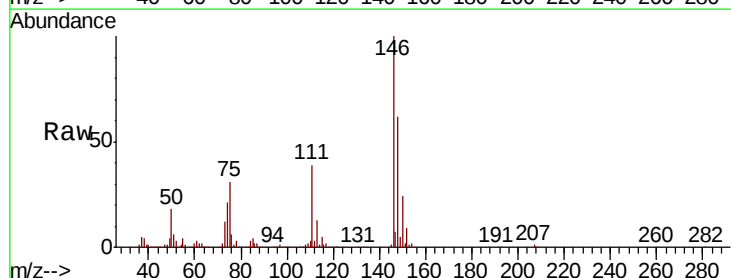
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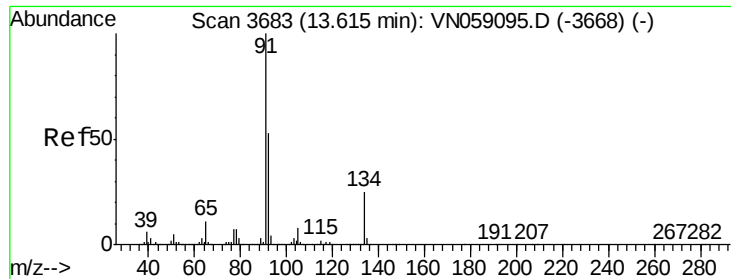
MMDadoda
 11/13/2019 12:07:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.526 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.9
148	62.2	31.9	95.7





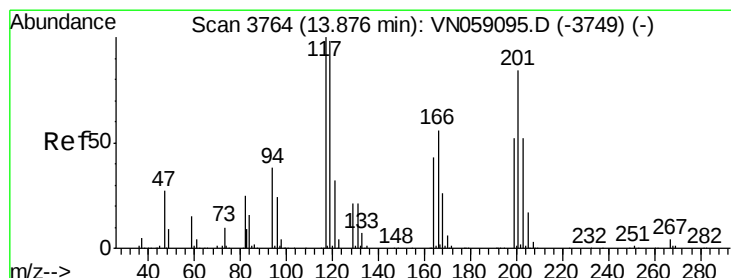
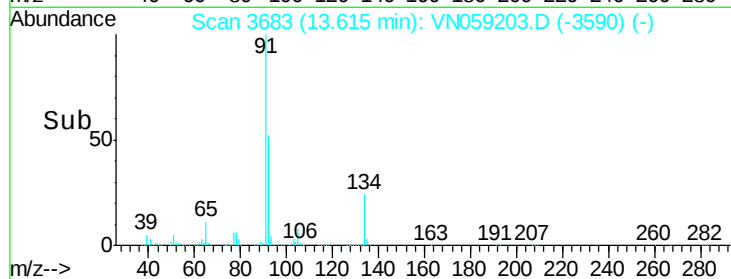
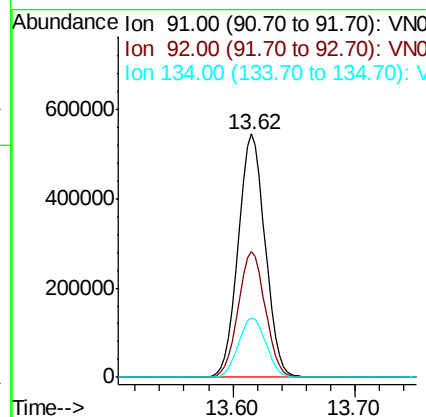
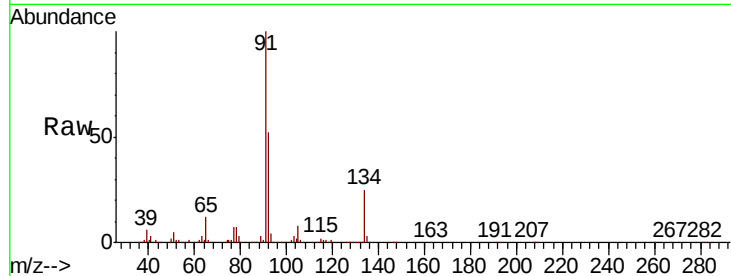
#89
n-Butylbenzene
Concen: 52.195 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.1	12.6	37.8

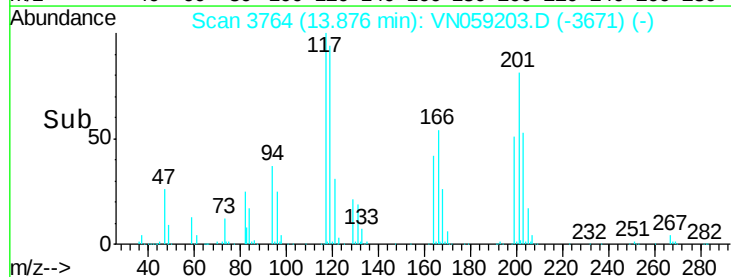
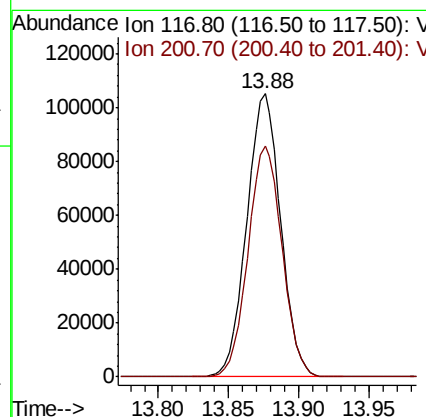
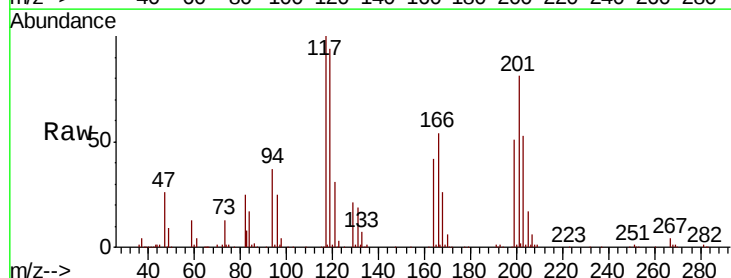
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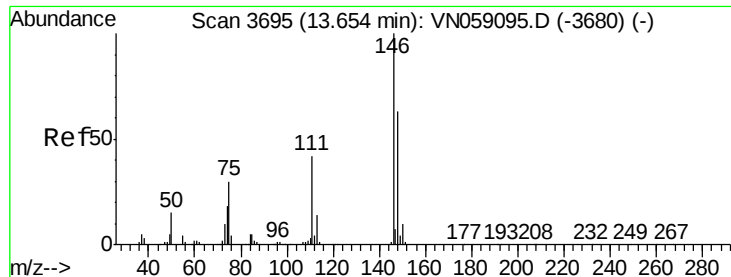
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#90
Hexachloroethane
Concen: 48.388 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059203.D
Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 50.652 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

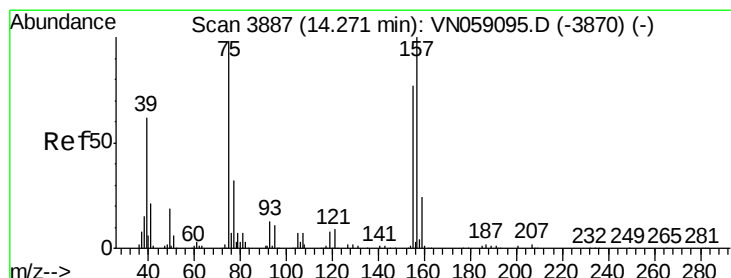
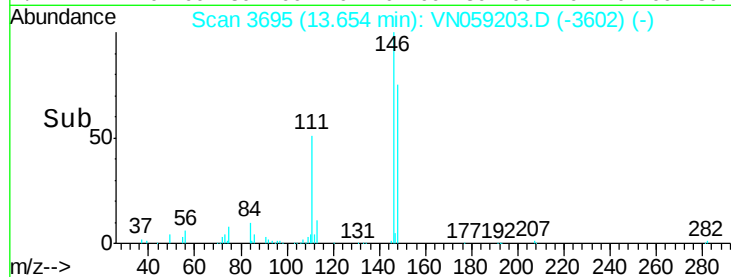
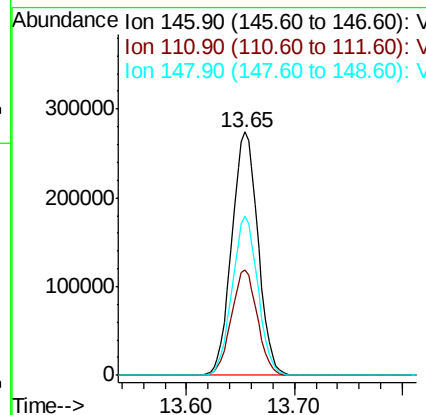
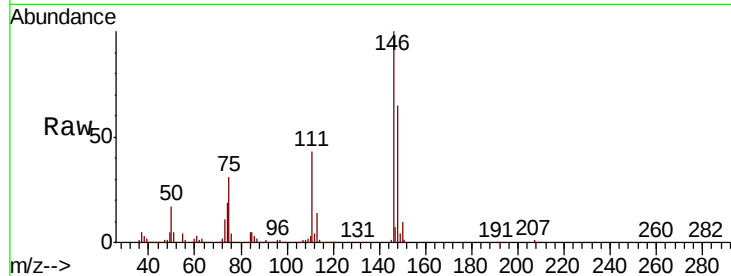
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	465570
Ion Ratio		Lower	Upper
146	100		
111	42.8	21.2	63.6
148	64.1	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.690 ug/l

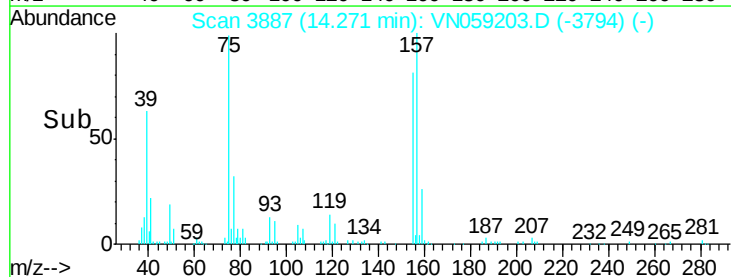
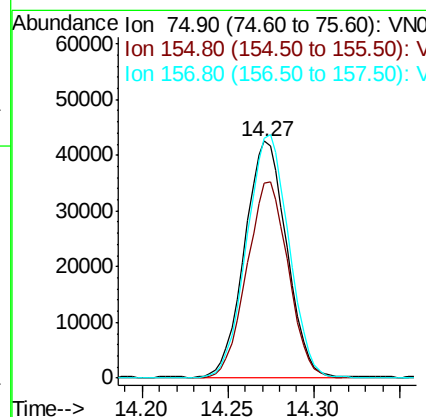
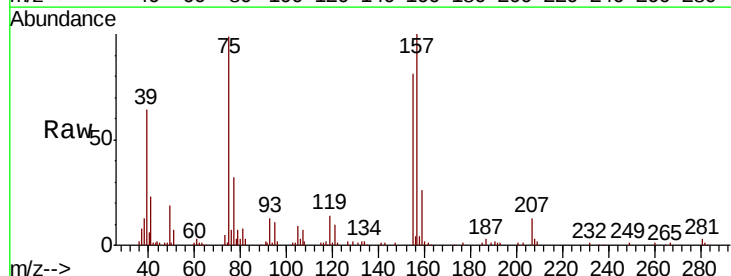
RT: 14.27 min Scan# 3887

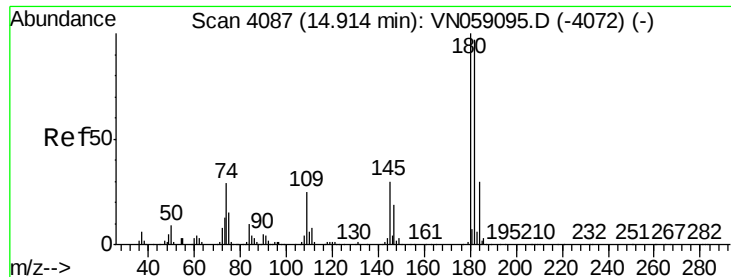
Delta R.T. 0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion:	75	Resp:	71845
Ion Ratio		Lower	Upper
75	100		
155	82.3	40.2	120.6
157	103.8	51.8	155.5





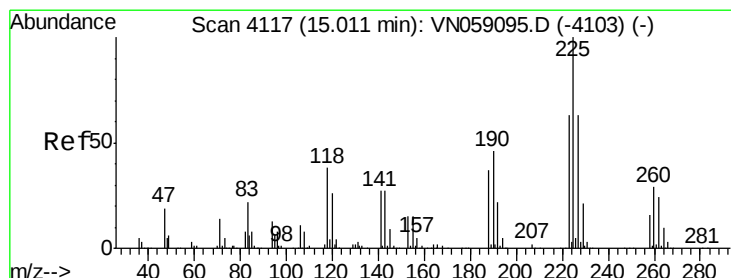
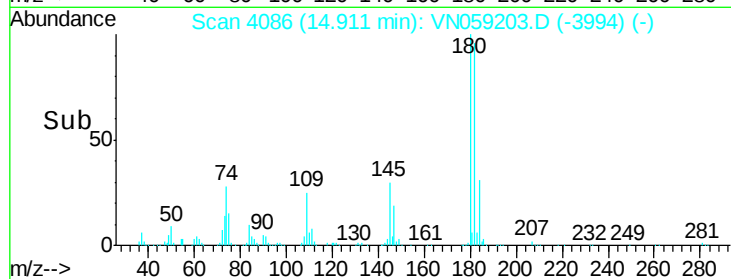
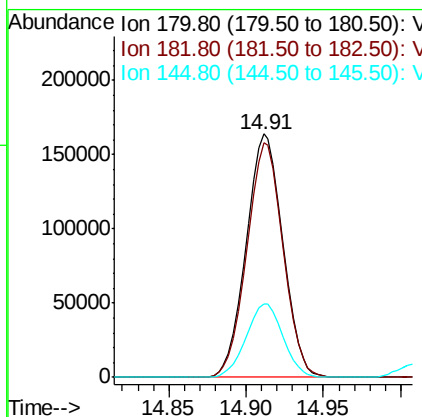
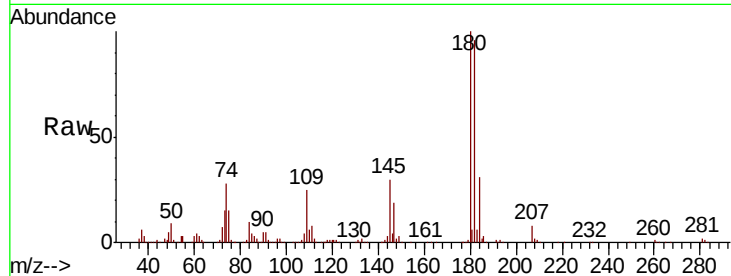
#93
 1,2,4-Trichlorobenzene
 Concen: 48.509 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269983		
182	95.6		48.1	144.3
145	30.5		15.1	45.3

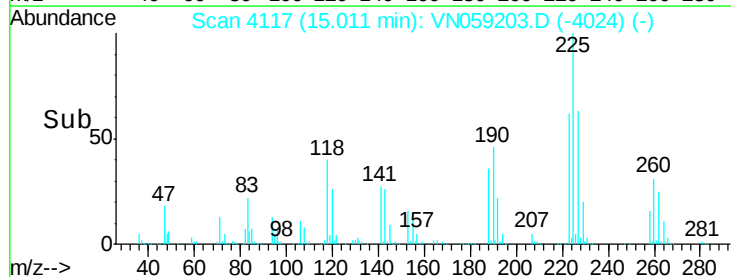
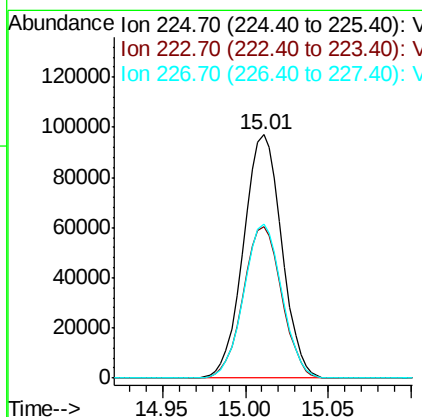
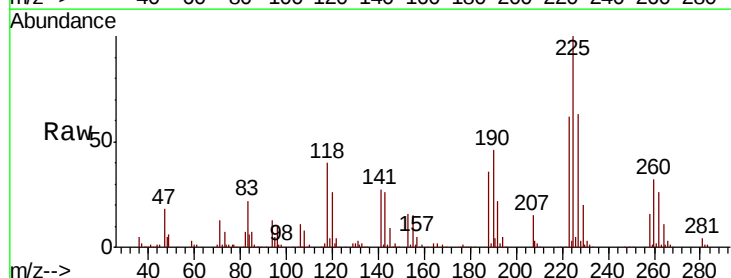
Manual Integrations
 APPROVED

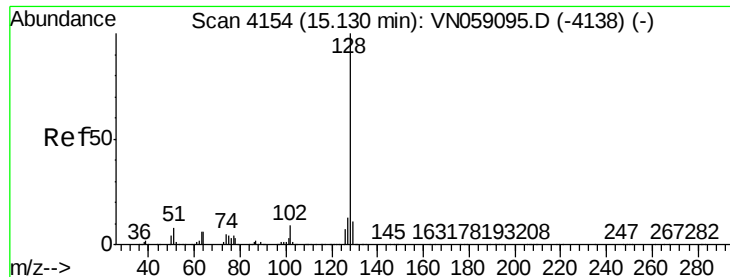
MMDadoda
 11/13/2019 12:07:35 PM



#94
 Hexachlorobutadiene
 Concen: 49.089 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059203.D
 Acq: 12 Nov 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155579		
223	62.6		31.3	93.9
227	63.2		31.5	94.5





#95

Naphthalene

Concen: 49.000 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Instrument :

MSVOA_N

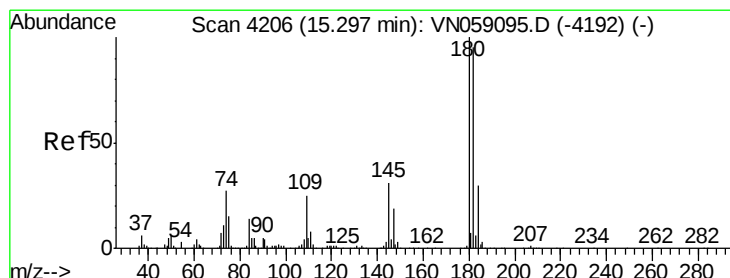
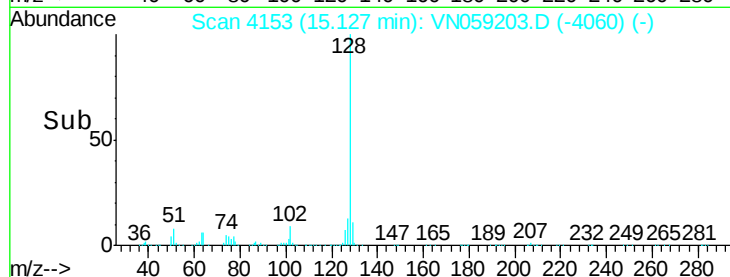
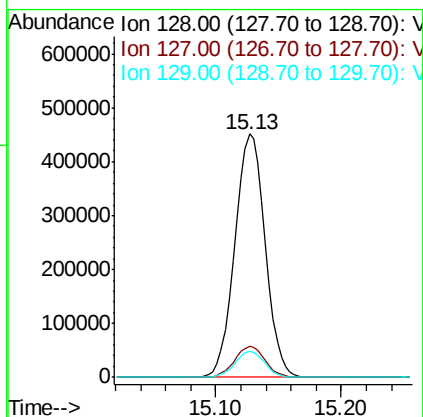
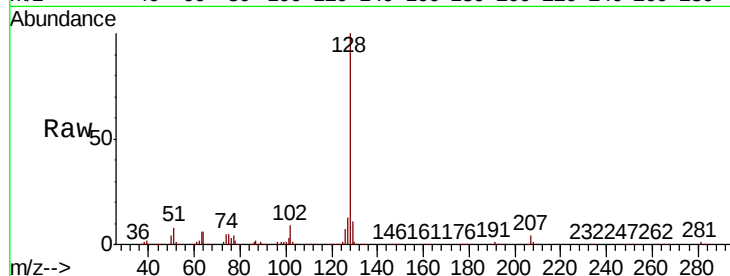
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		757120		
127	12.8		10.2	15.2	
129	10.6		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
11/13/2019 12:07:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.541 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059203.D

Acq: 12 Nov 2019 19:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		270645		
182	94.9		47.3	141.8	
145	31.8		15.8	47.3	

