

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111319\
 Data File : VN059205.D
 Acq On : 13 Nov 2019 8:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: Nov 14 08:26:47 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	413541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	634855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	589451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	290022	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	8.00	65	241345	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.56	113	192865	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.08	98	727734	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	274654	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.83	85	194439	46.666	ug/l	99
3) Chloromethane	2.04	50	253881	44.825	ug/l	99
4) Vinyl Chloride	2.17	62	265267	48.308	ug/l	99
5) Bromomethane	2.54	94	156790	49.618	ug/l	99
6) Chloroethane	2.68	64	163439	50.315	ug/l	100
7) Trichlorofluoromethane	3.00	101	336229	51.191	ug/l	100
8) Diethyl Ether	3.38	74	131480	49.266	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200299	50.579	ug/l	99
10) Methyl Iodide	3.92	142	248425	50.680	ug/l	98
11) Tert butyl alcohol	4.74	59	211949	218.774	ug/l	99
12) 1,1-Dichloroethene	3.71	96	189267	49.062	ug/l	96
13) Acrolein	3.58	56	144258	288.808	ug/l	100
14) Allyl chloride	4.29	41	382606	48.283	ug/l	98
15) Acrylonitrile	4.95	53	586254	243.156	ug/l	99
16) Acetone	3.78	43	759677	287.374	ug/l	100
17) Carbon Disulfide	4.02	76	528088	44.099	ug/l	100
18) Methyl Acetate	4.29	43	305171	48.636	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	695223	52.345	ug/l	99
20) Methylene Chloride	4.52	84	231525	50.272	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	207202	50.039	ug/l	98
22) Diisopropyl ether	5.91	45	788974	52.712	ug/l	98
23) Vinyl Acetate	5.86	43	3175373	273.734	ug/l	100
24) 1,1-Dichloroethane	5.82	63	433010	51.796	ug/l	99
25) 2-Butanone	6.80	43	911333	261.577	ug/l	99
26) 2,2-Dichloropropane	6.79	77	368077	50.353	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	244516	50.898	ug/l	99
28) Bromochloromethane	7.17	49	116295	46.239	ug/l	100
29) Tetrahydrofuran	7.18	42	525349	237.314	ug/l	100
30) Chloroform	7.34	83	416938	51.991	ug/l	100
31) Cyclohexane	7.63	56	368012	46.501	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	351291	52.103	ug/l	99
36) 1,1-Dichloropropene	7.77	75	309985	52.238	ug/l	99
37) Ethyl Acetate	6.90	43	330485	50.063	ug/l	100
38) Carbon Tetrachloride	7.75	117	313267	53.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	358036	51.987	ug/l	99
40) Benzene	8.02	78	939589	52.581	ug/l	99
41) Methacrylonitrile	7.14	41	126033m	43.905	ug/l	
42) 1,2-Dichloroethane	8.10	62	328587	53.614	ug/l	99
43) Isopropyl Acetate	8.14	43	525991	49.978	ug/l	99
44) Trichloroethene	8.81	130	231063	52.603	ug/l	100
45) 1,2-Dichloropropane	9.10	63	259045	53.371	ug/l	100
46) Dibromomethane	9.19	93	158631	52.448	ug/l	99
47) Bromodichloromethane	9.38	83	334285	55.349	ug/l	98
48) Methyl methacrylate	9.18	41	240780	51.148	ug/l	100
49) 1,4-Dioxane	9.18	88	85557	1022.681	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1617336	271.595	ug/l	99
52) Toluene	10.14	92	571442	53.354	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	376668	53.982	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	409566	54.567	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	231696	53.453	ug/l	98
56) Ethyl methacrylate	10.42	69	351511	48.672	ug/l	100
57) 1,3-Dichloropropane	10.70	76	403032	54.023	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	694250	287.793	ug/l	100
59) 2-Hexanone	10.74	43	1273433	278.608	ug/l	100
60) Dibromochloromethane	10.89	129	252002	54.987	ug/l	99
61) 1,2-Dibromoethane	10.99	107	234393	53.417	ug/l	100
64) Tetrachloroethene	10.62	164	206156	51.434	ug/l	99
65) Chlorobenzene	11.43	112	610039	53.090	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	233018	54.059	ug/l	99
67) Ethyl Benzene	11.51	91	1101521	54.030	ug/l	99
68) m/p-Xylenes	11.62	106	834649	109.293	ug/l	99
69) o-Xylene	11.94	106	394094	53.399	ug/l	99
70) Styrene	11.96	104	657100	56.612	ug/l	100
71) Bromoform	12.12	173	179565	53.557	ug/l #	99
73) Isopropylbenzene	12.25	105	1083804	51.374	ug/l	100
74) N-amyl acetate	12.07	43	446095	49.903	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	349494	48.647	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	315304m	47.753	ug/l	
77) Bromobenzene	12.52	156	264571	49.916	ug/l	97
78) n-propylbenzene	12.59	91	1285217	53.207	ug/l	100
79) 2-Chlorotoluene	12.67	91	753067	50.256	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	932656	52.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124106	49.645	ug/l	99
82) 4-Chlorotoluene	12.77	91	786614	52.338	ug/l	100
83) tert-Butylbenzene	12.99	119	785738	50.899	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	925445	53.510	ug/l	100
85) sec-Butylbenzene	13.17	105	1073814	53.485	ug/l	100
86) p-Isopropyltoluene	13.29	119	974149	54.952	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	480365	52.925	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	472120	51.990	ug/l	99
89) n-Butylbenzene	13.62	91	859817	55.416	ug/l	100
90) Hexachloroethane	13.88	117	177457	49.852	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	465643	52.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69439	48.447	ug/l	97

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VSTDCCC050

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	274908	50.704	ug/l	99
94) Hexachlorobutadiene	15.01	225	160527	52.144	ug/l	99
95) Naphthalene	15.13	128	707270	47.240	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	270092	53.979	ug/l	100

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

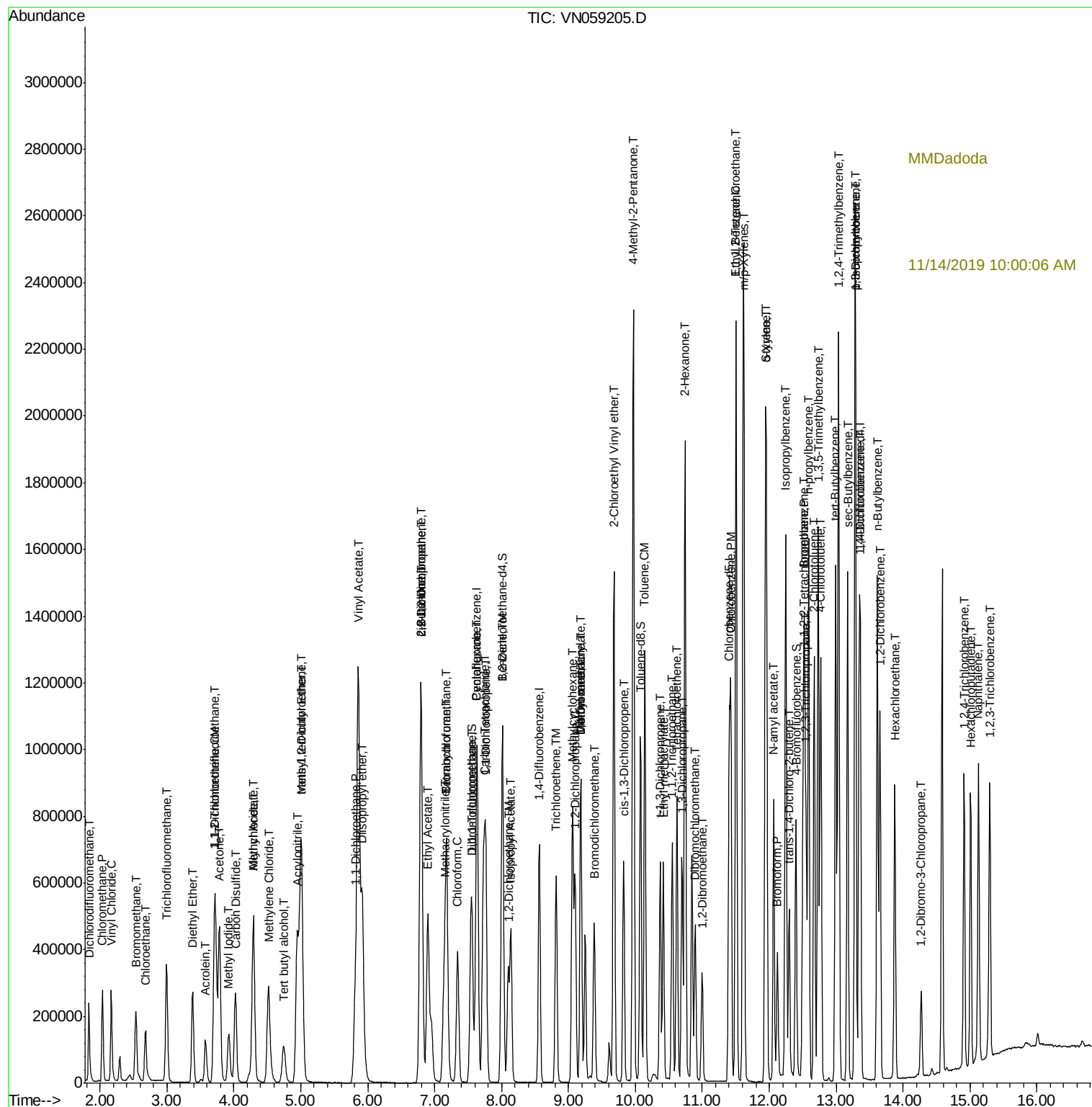
11/14/2019 10:00:06 AM

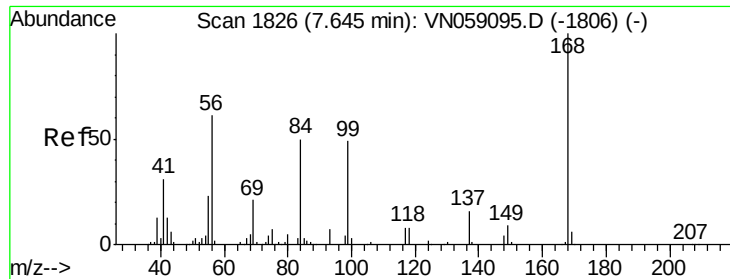
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

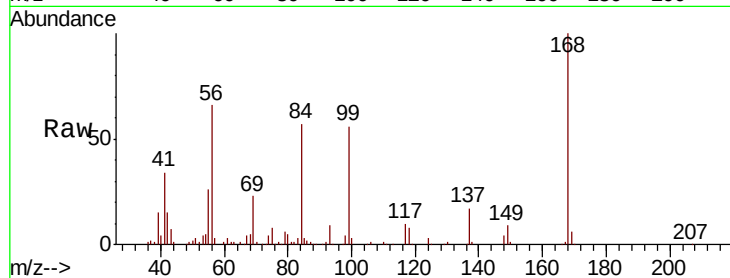
Tot Ion:168 Resp: 413541

Ion Ratio Lower Upper

168 100

99 56.3 45.7 68.5

Manual Integrations
APPROVED



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

0

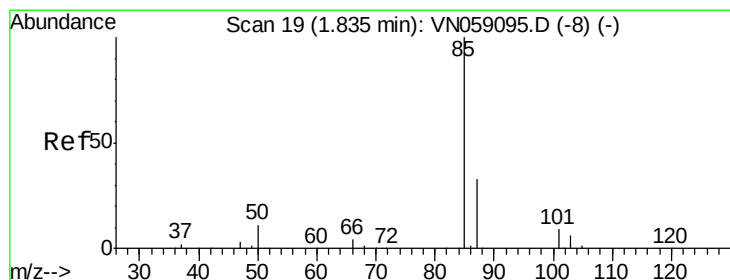
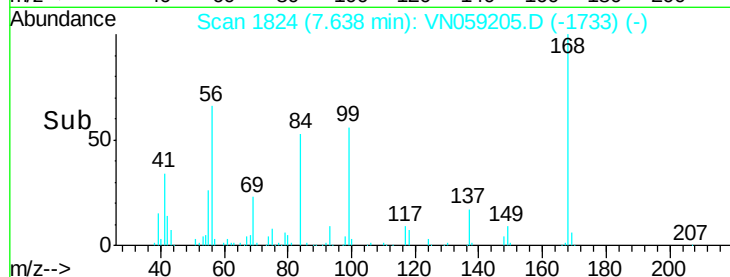
7.64

7.60 7.70

Time-->

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#2

Dichlorodifluoromethane

Concen: 46.666 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059205.D

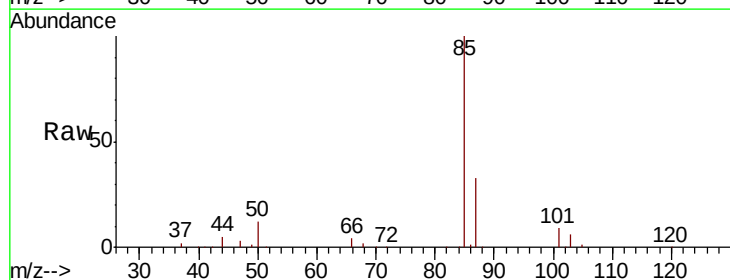
Acq: 13 Nov 2019 8:47

Tgt Ion: 85 Resp: 194439

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

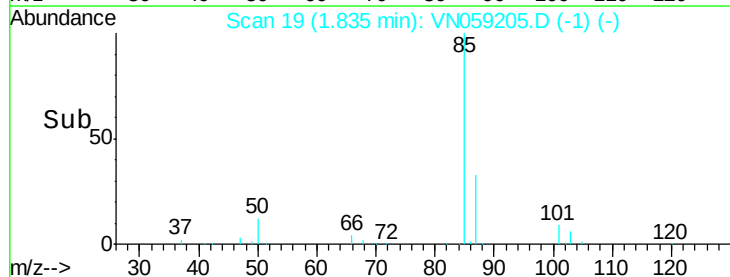
50000

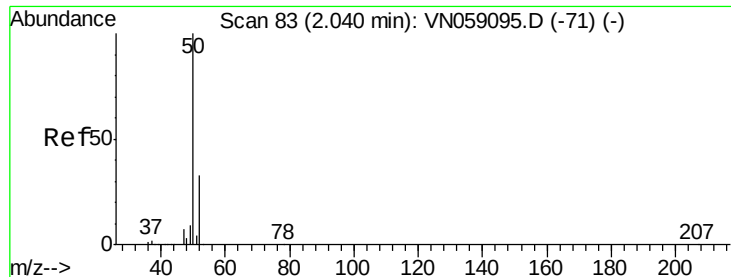
0

1.83

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.825 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

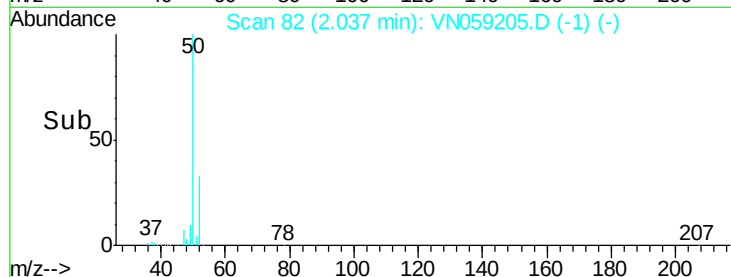
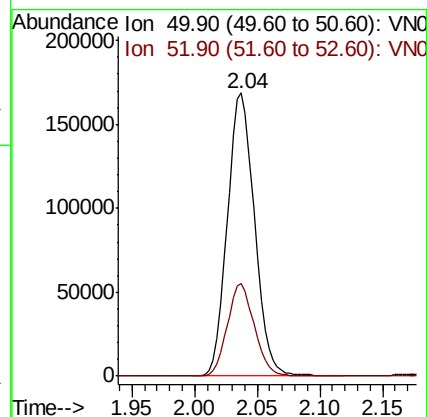
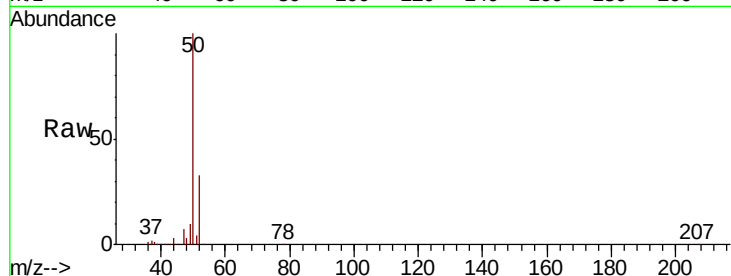
Tot Ion: 50 Resp: 253881

Ion Ratio Lower Upper

50 100

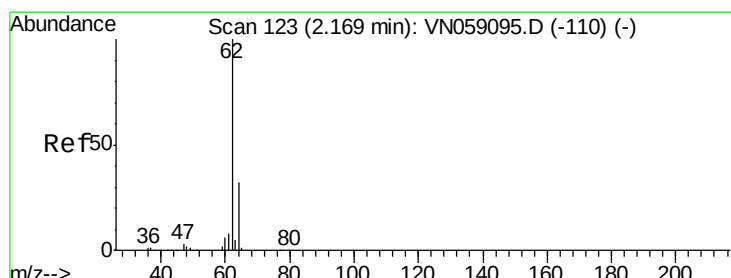
52 32.9 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.308 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059205.D

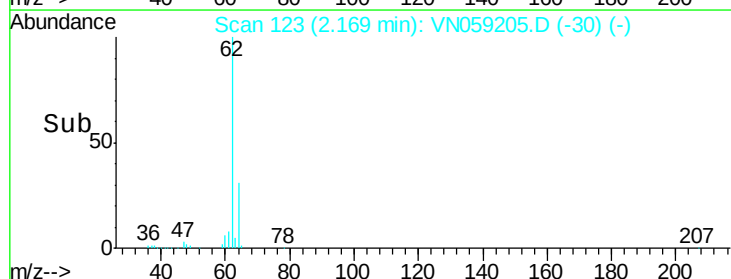
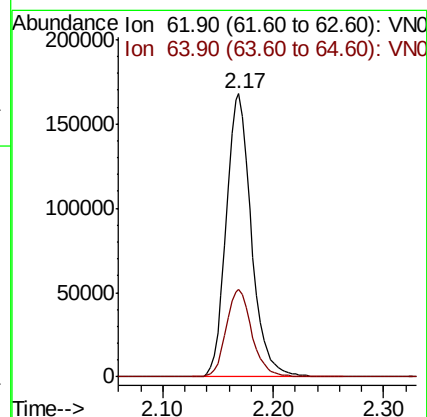
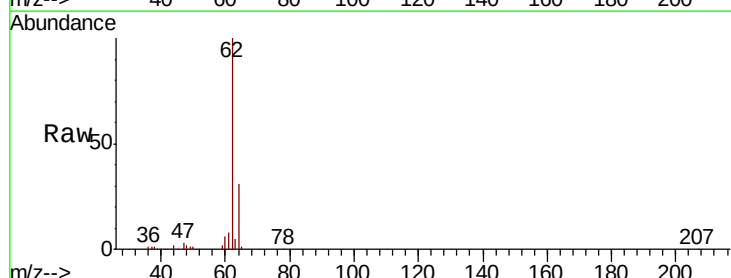
Acq: 13 Nov 2019 8:47

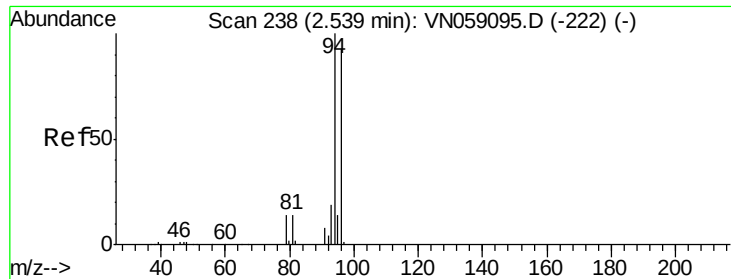
Tgt Ion: 62 Resp: 265267

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 49.618 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

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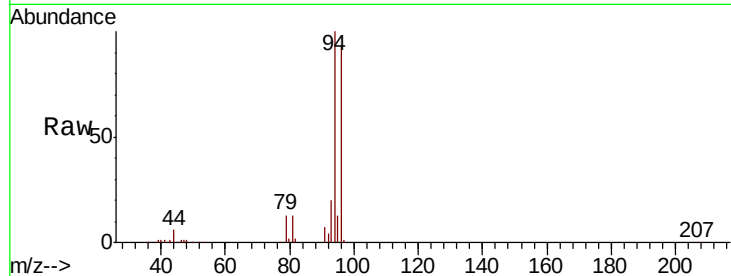
Tot Ion: 94 Resp: 156790

Ion Ratio Lower Upper

94 100

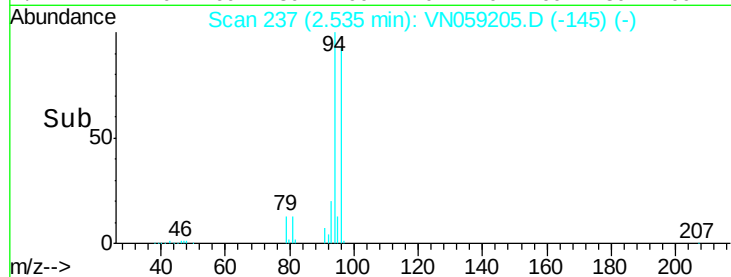
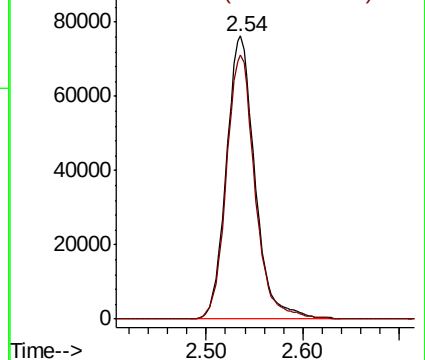
96 93.4 74.2 111.2

Manual Integrations
APPROVED



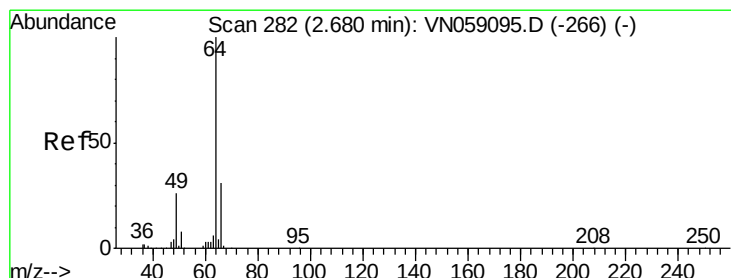
Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



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#6

Chloroethane

Concen: 50.315 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059205.D

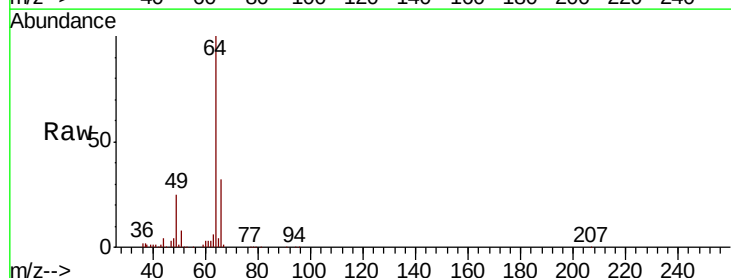
Acq: 13 Nov 2019 8:47

Tgt Ion: 64 Resp: 163439

Ion Ratio Lower Upper

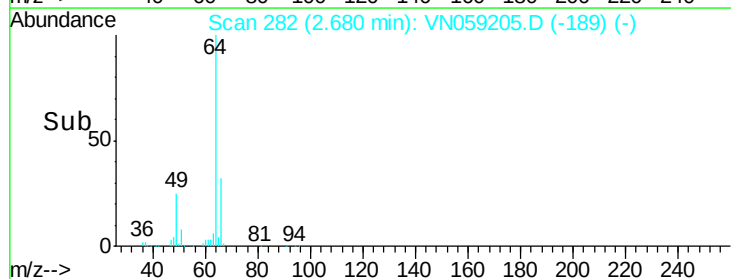
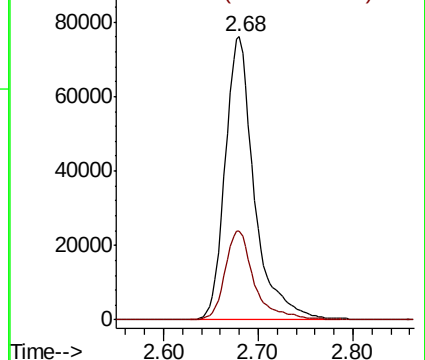
64 100

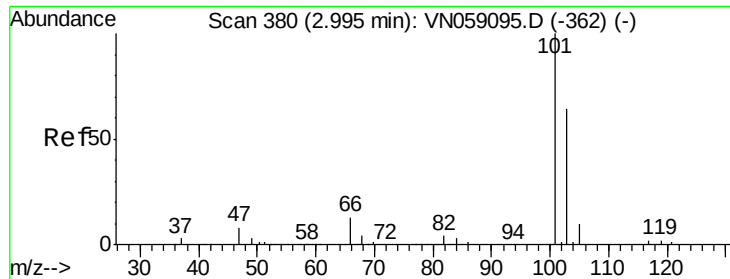
66 31.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





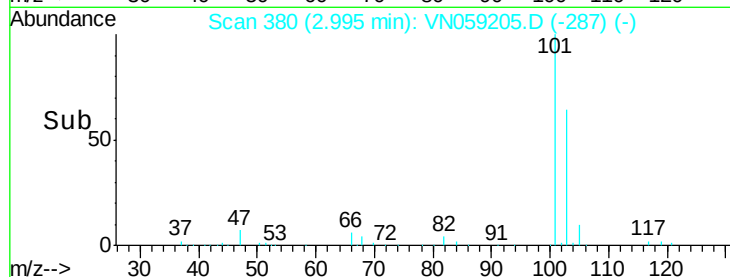
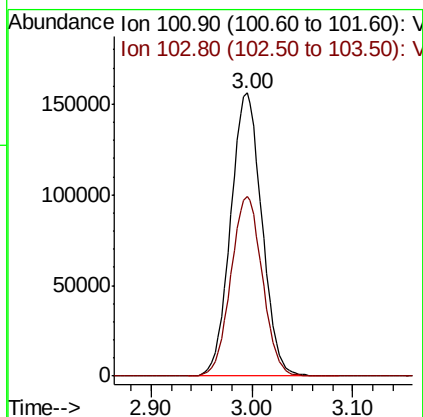
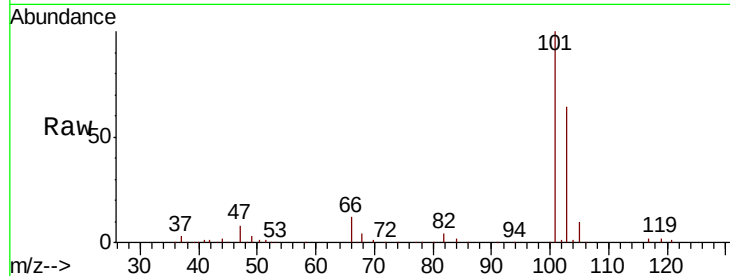
#7

Trichlorofluoromethane
 Concen: 51.191 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

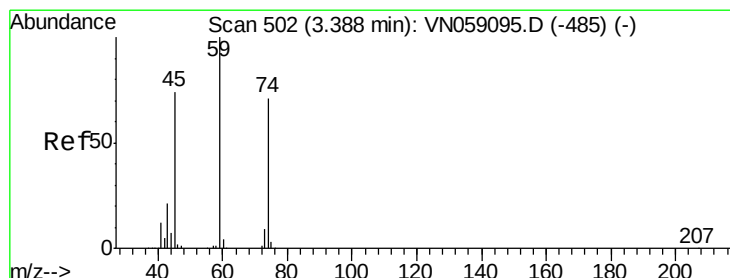
Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

Manual Integrations
 APPROVED



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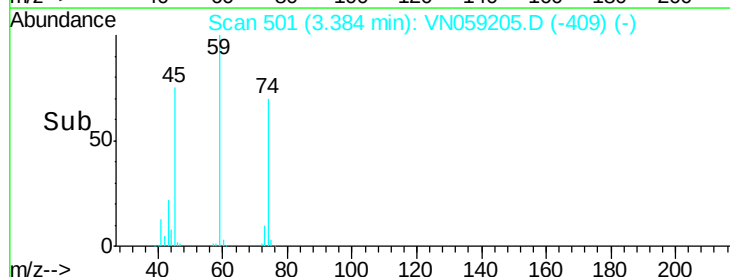
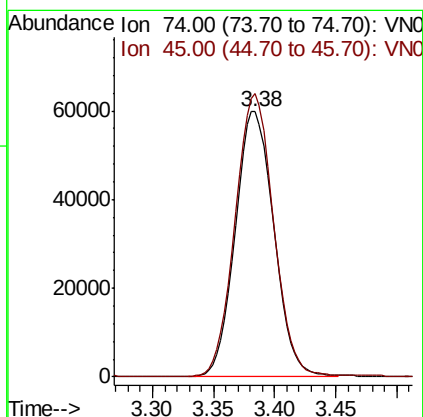
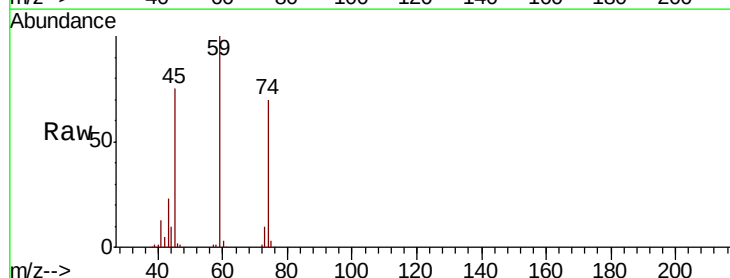
11/14/2019 10:00:06 AM

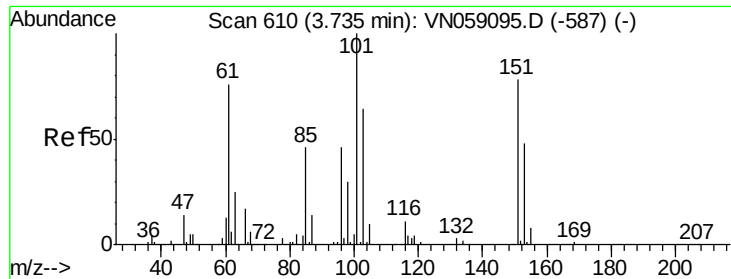


#8

Diethyl Ether
 Concen: 49.266 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.579 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

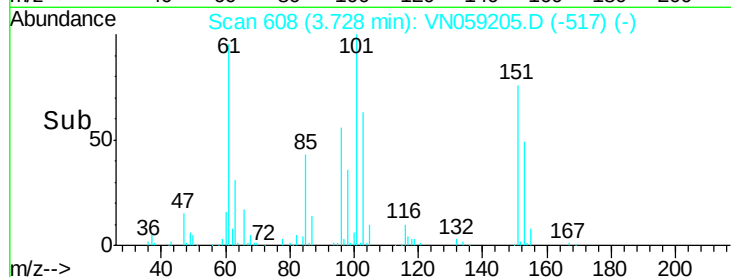
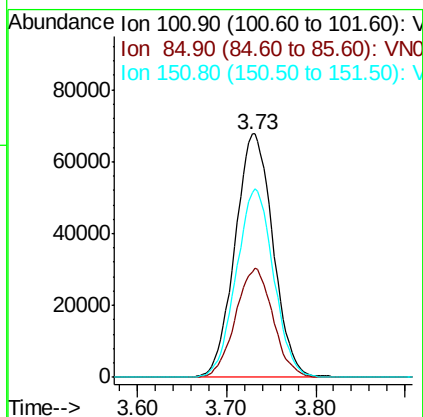
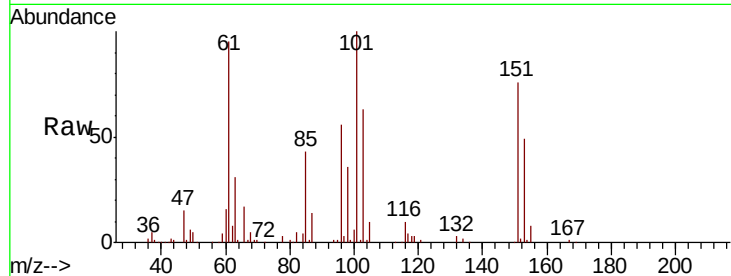
MSVOA_N

ClientSampleId :

VSTDCCC050

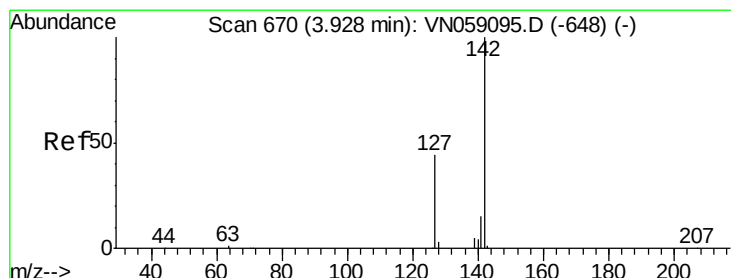
Tot Ion:	101	Resp:	200299
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.5	53.3
151	76.0	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 50.680 ug/l

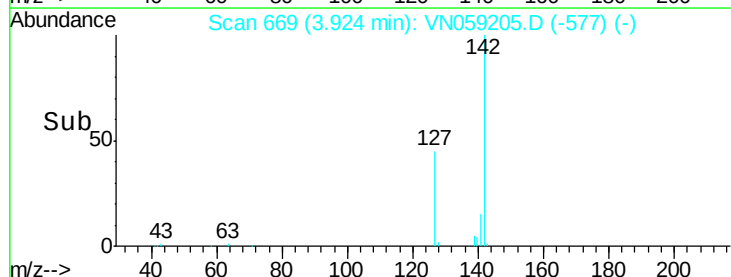
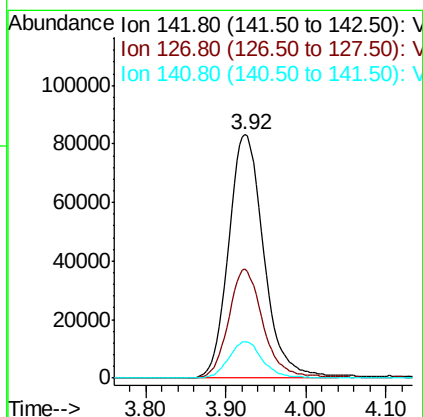
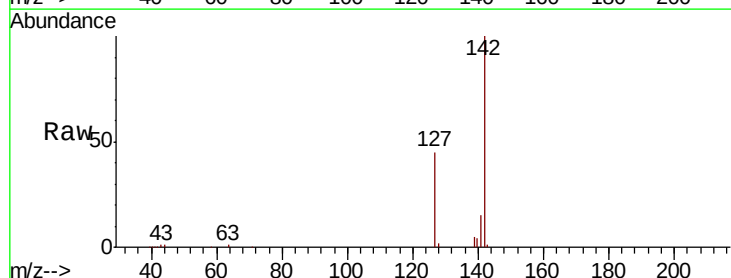
RT: 3.92 min Scan# 669

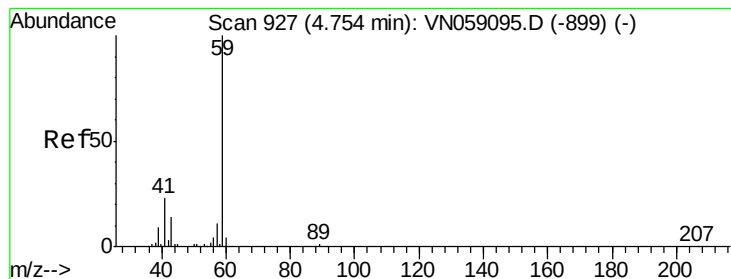
Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion:	142	Resp:	248425
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.2	51.2
141	14.6	11.4	17.0





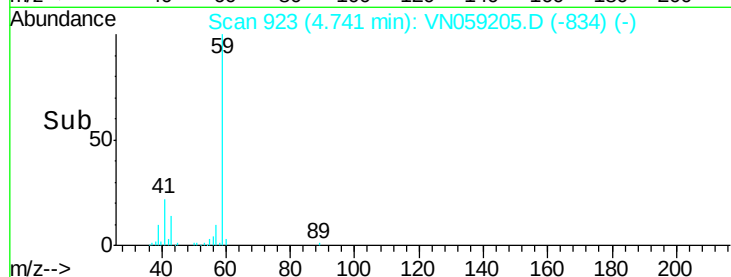
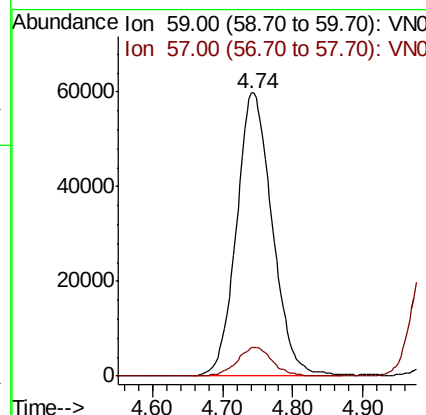
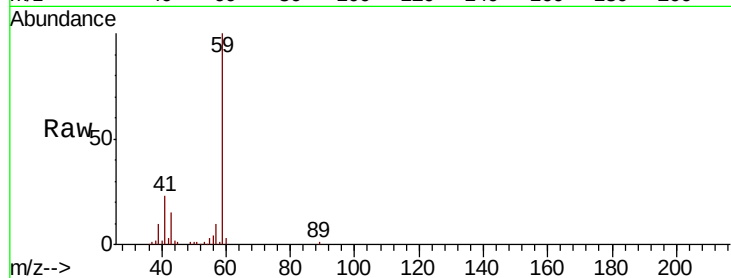
#11

Tert butyl alcohol
Concen: 218.774 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

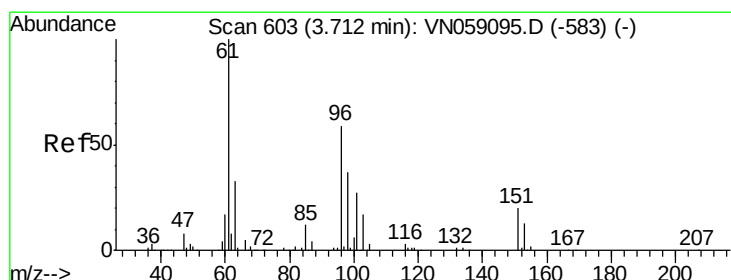
Tot Ion	59	Resp	211949
Ion Ratio	100	Lower	Upper
57	10.0	8.3	12.5

Manual Integrations
APPROVED



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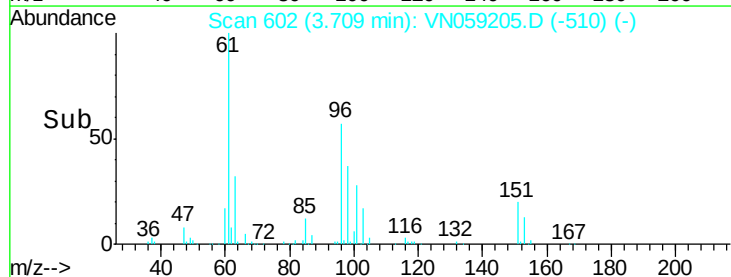
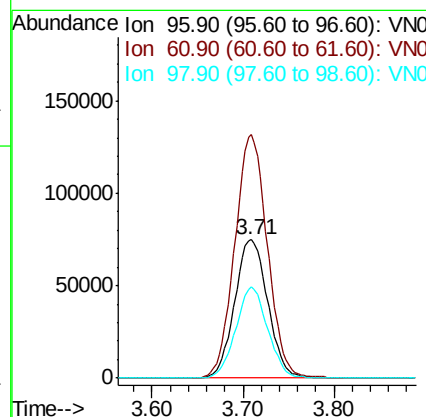
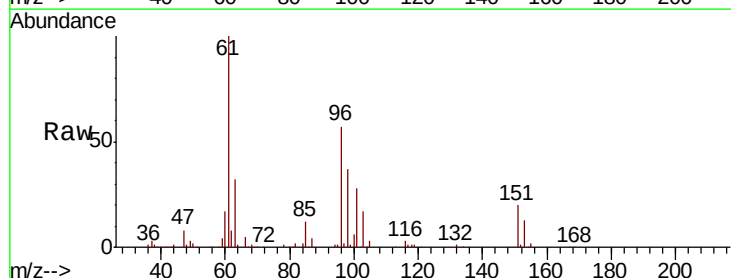
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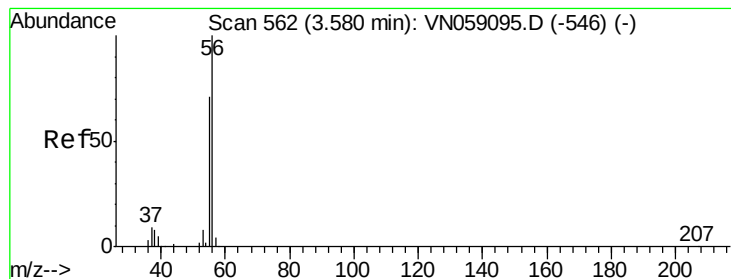


#12

1,1-Dichloroethene
Concen: 49.062 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	96	Resp	189267
Ion Ratio	100	Lower	Upper
61	176.2	136.5	204.7
98	65.8	50.2	75.4





#13

Acrolein

Concen: 288.808 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

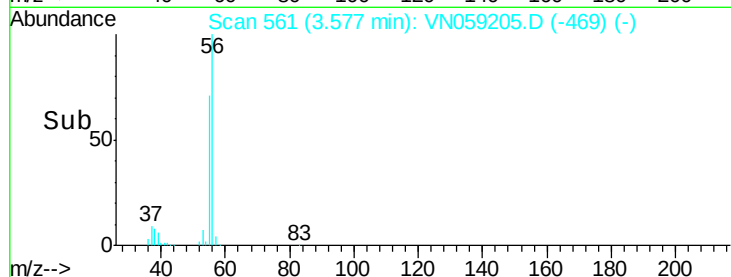
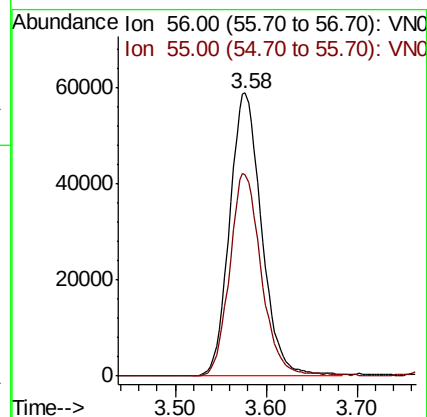
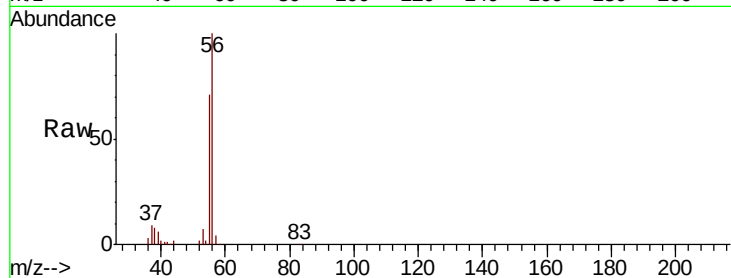
Tot Ion: 56 Resp: 144258

Ion Ratio Lower Upper

56 100

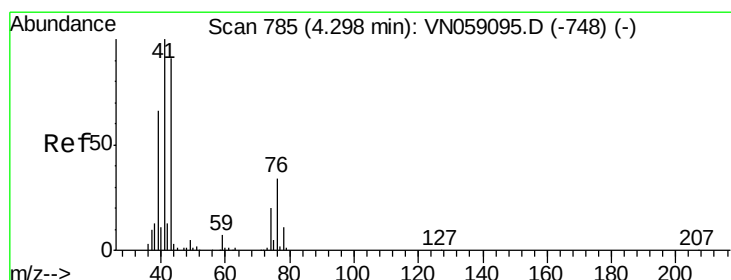
55 70.5 56.4 84.6

Manual Integrations
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#14

Allyl chloride

Concen: 48.283 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

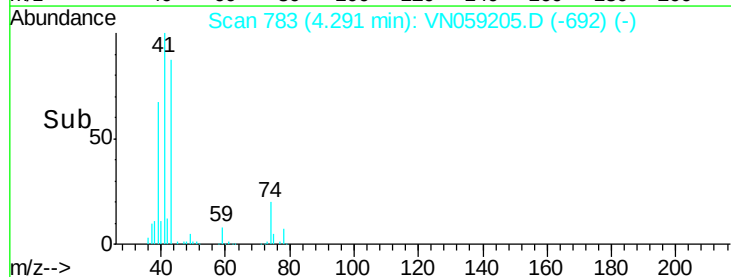
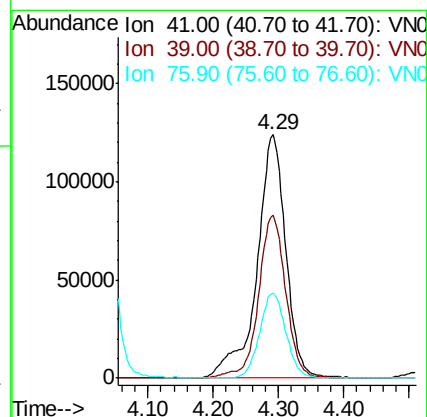
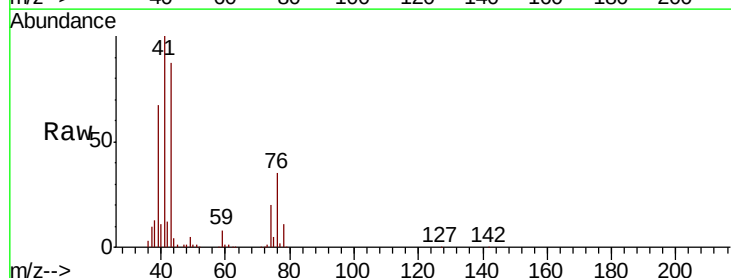
Tgt Ion: 41 Resp: 382606

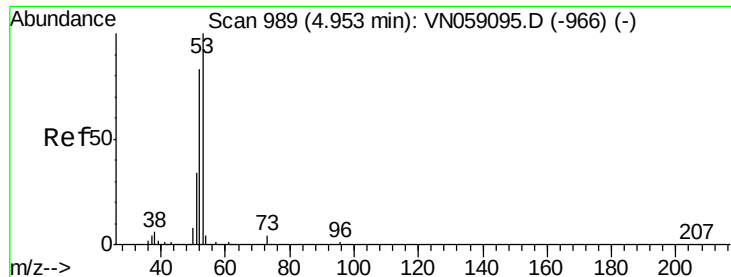
Ion Ratio Lower Upper

41 100

39 63.2 49.1 73.7

76 31.7 24.9 37.3





#15

Acrylonitrile

Concen: 243.156 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

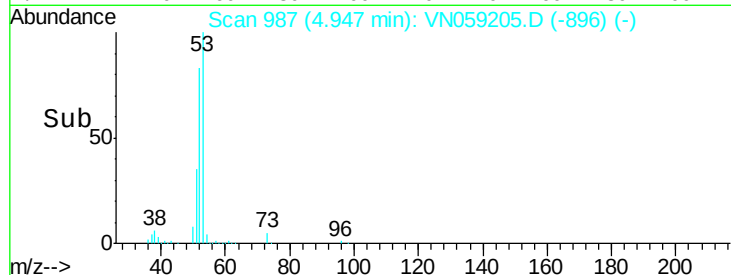
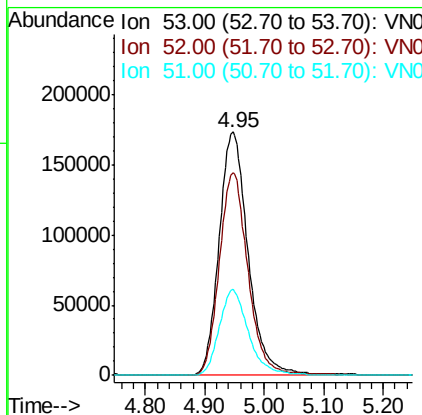
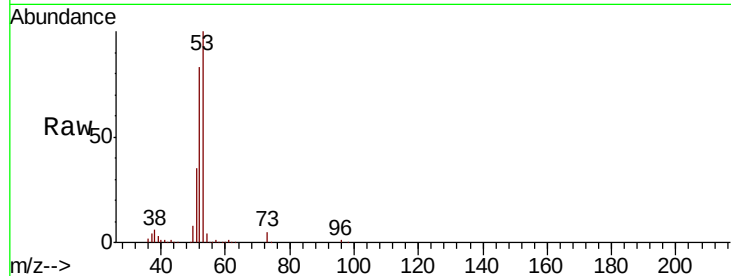
MSVOA_N

ClientSampled :

VSTDCCC050

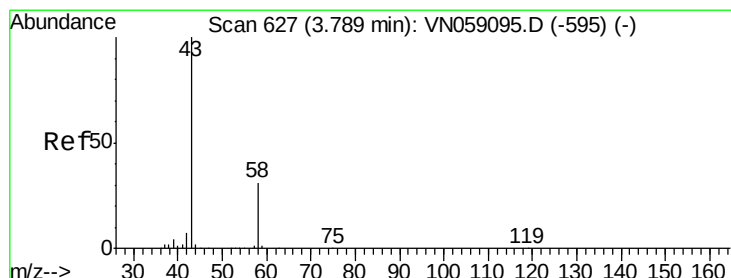
Tot Ion:	53	Resp:	586254
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.0	97.6
51	35.6	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 287.374 ug/l

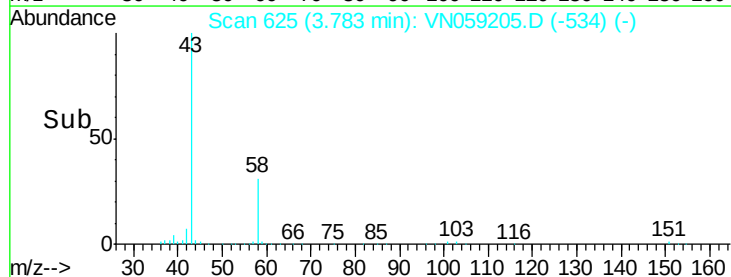
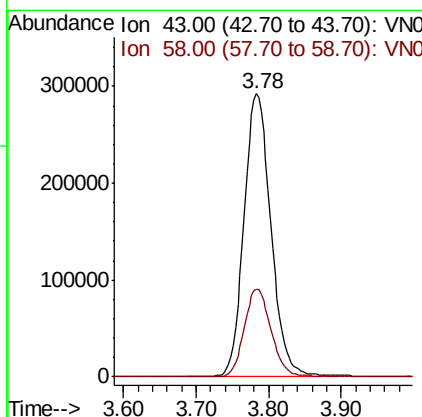
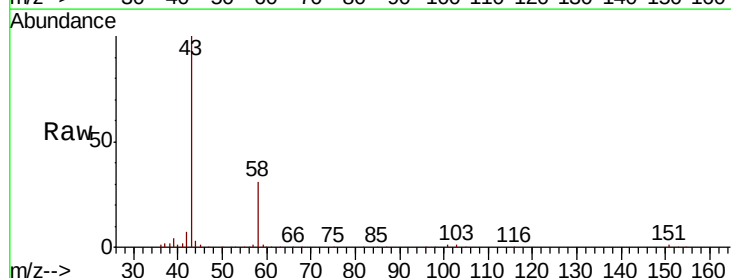
RT: 3.78 min Scan# 625

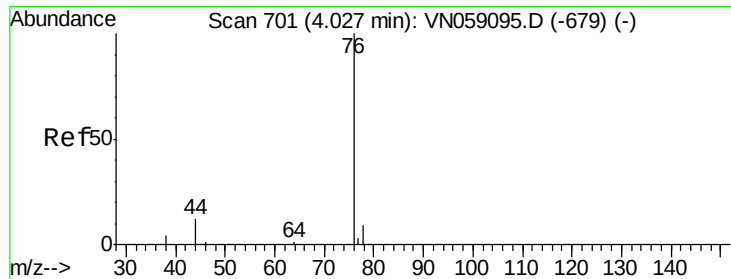
Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion:	43	Resp:	759677
Ion Ratio	Lower	Upper	
43	100		
58	31.1	24.9	37.3



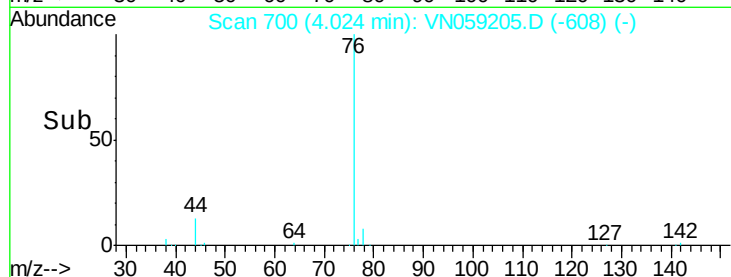
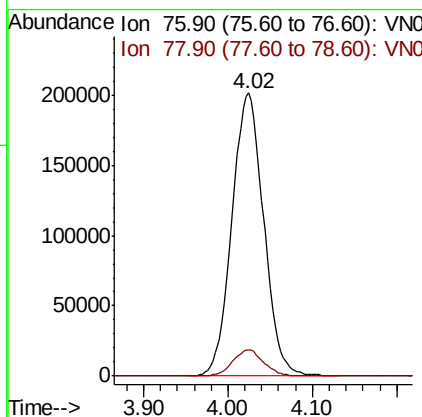
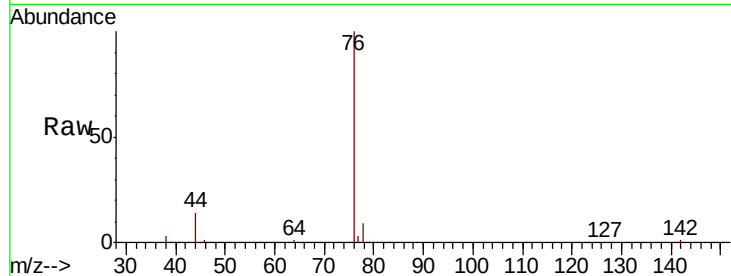


#17
Carbon Disulfide
Concen: 44.099 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

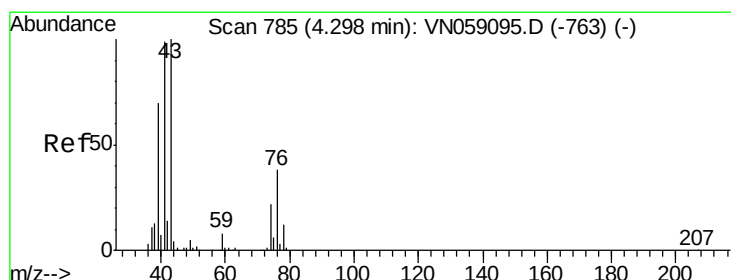
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

Manual Integrations
APPROVED



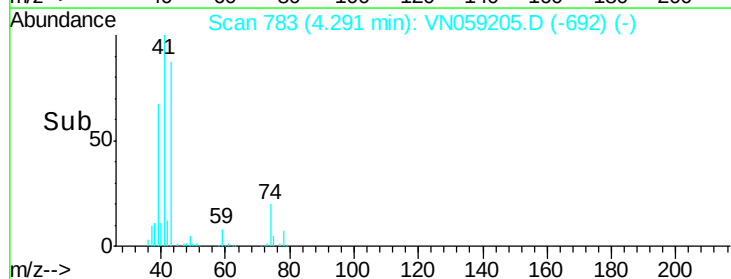
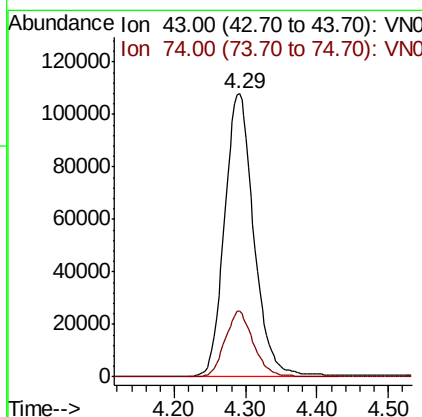
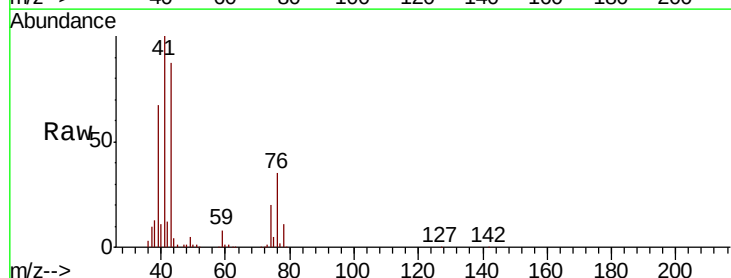
MMDadoda

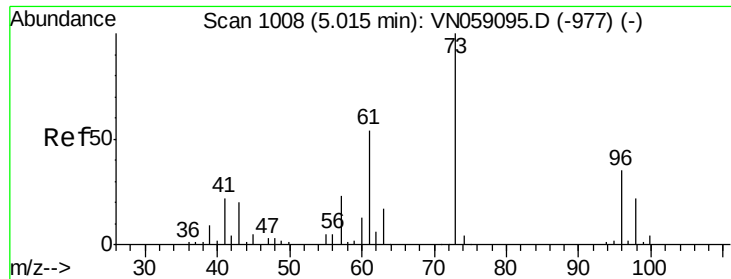
11/14/2019 10:00:06 AM



#18
Methyl Acetate
Concen: 48.636 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.8	26.8



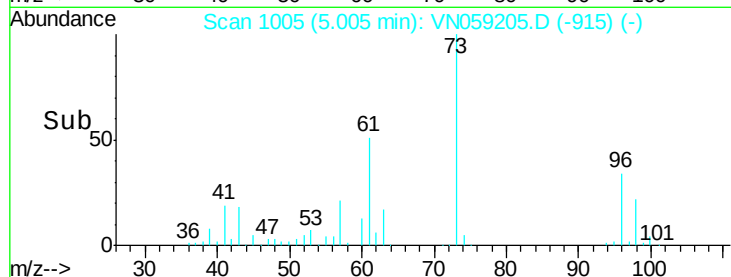
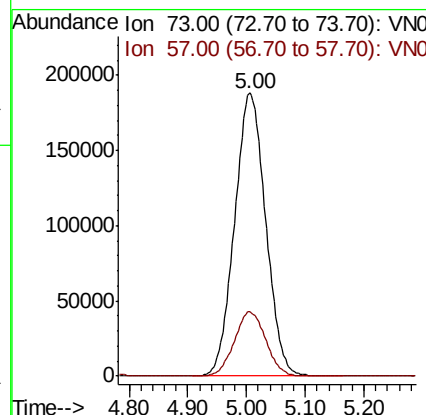
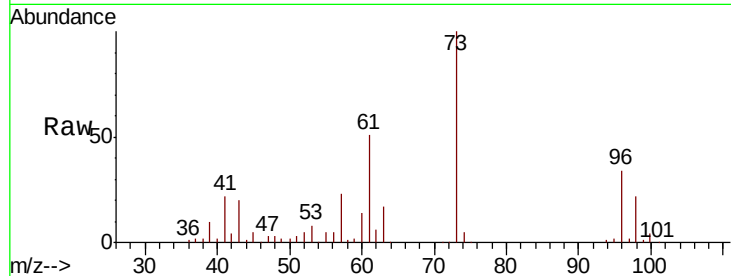


#19
Methyl tert-butyl Ether
Concen: 52.345 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

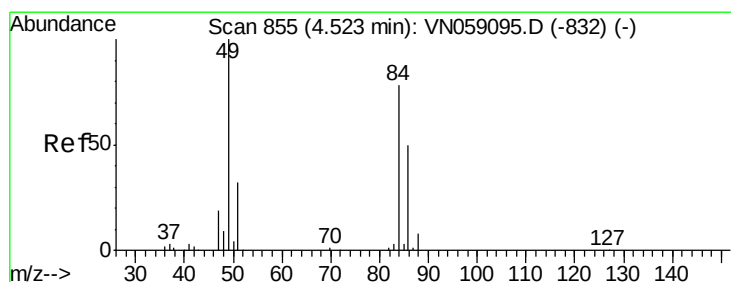
Tot Ion: 73 Resp: 695223
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

Manual Integrations
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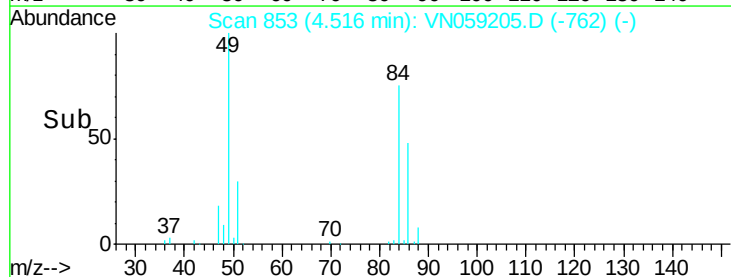
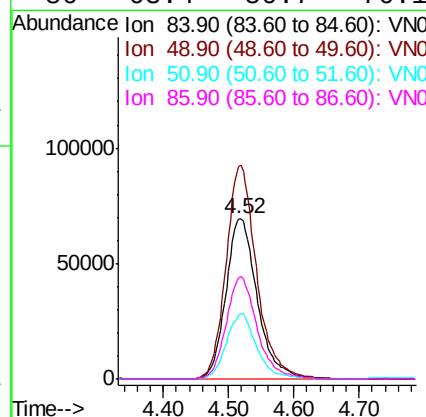
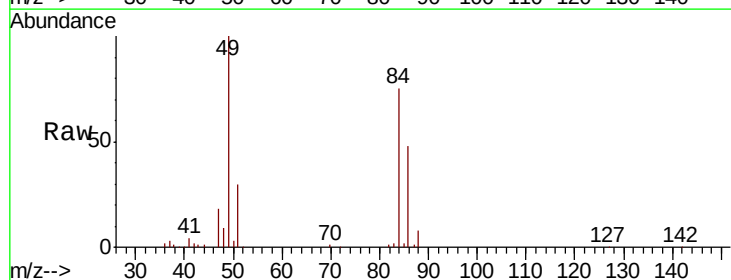
MMDadoda

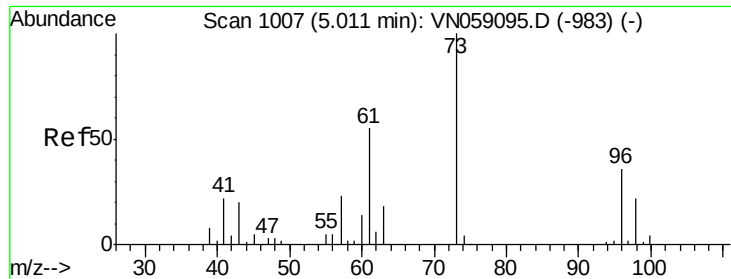
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#20
Methylene Chloride
Concen: 50.272 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion: 84 Resp: 231525
Ion Ratio Lower Upper
84 100
49 132.7 102.0 153.0
51 39.9 32.2 48.2
86 63.4 50.7 76.1



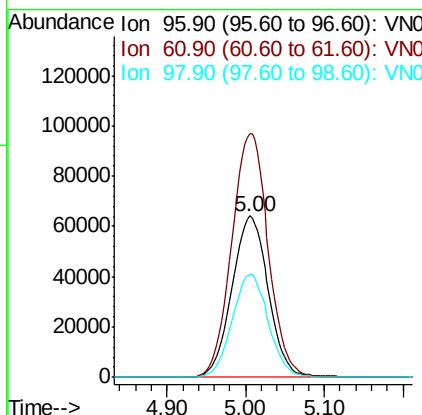
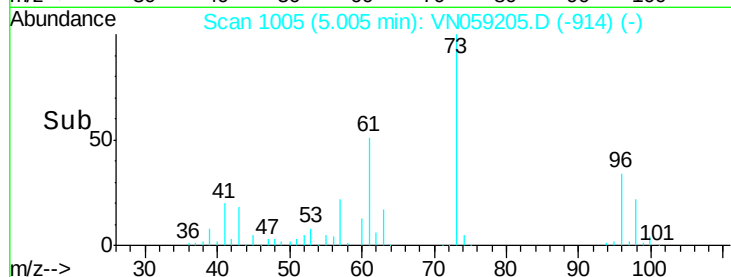
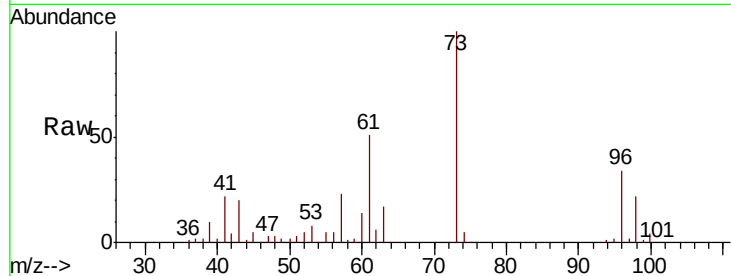


#21
trans-1,2-Dichloroethene
Concen: 50.039 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

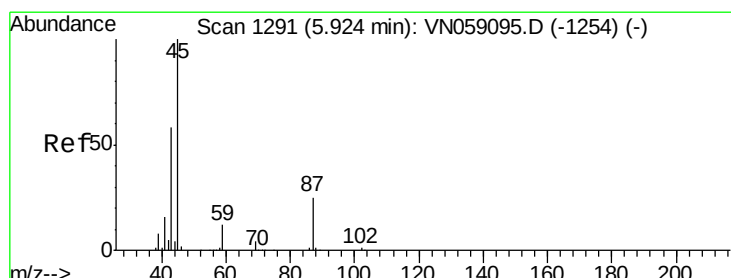
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	122.6	183.8
98	64.1	50.3	75.5

Manual Integrations
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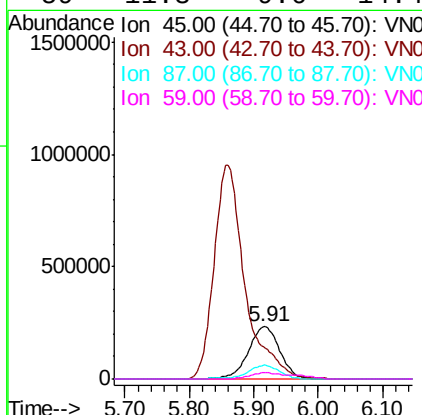
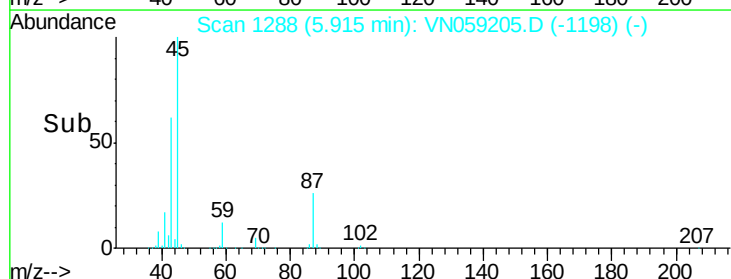
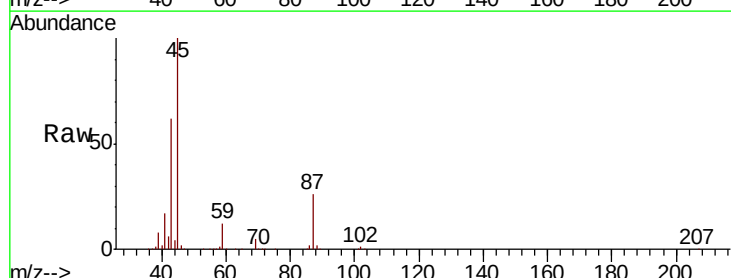
MM Dadoda

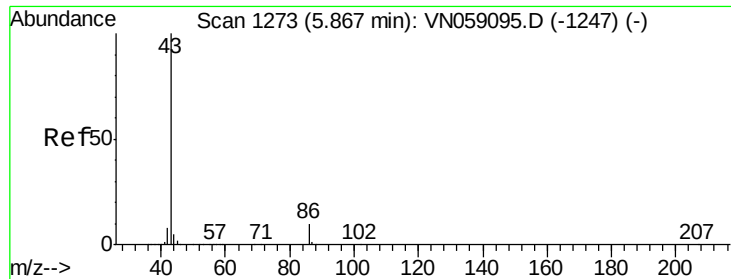
11/14/2019 10:00:06 AM



#22
Diisopropyl ether
Concen: 52.712 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	46.7	70.1
87	25.9	20.5	30.7
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 273.734 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

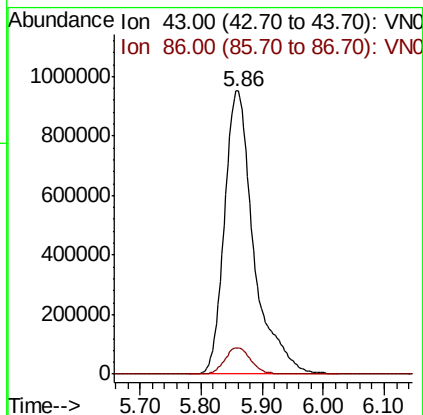
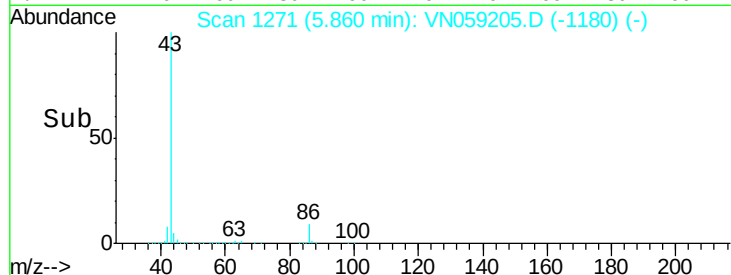
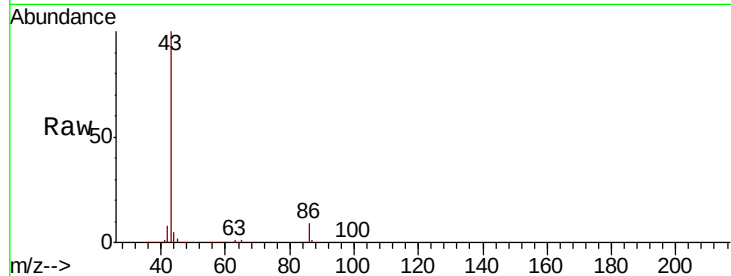
Tot Ion: 43 Resp: 3175373

Ion Ratio Lower Upper

43 100

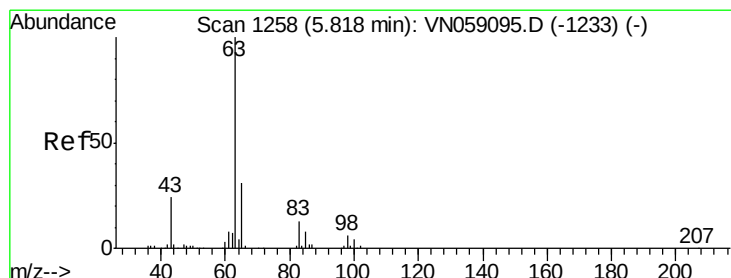
86 9.4 7.7 11.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 51.796 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

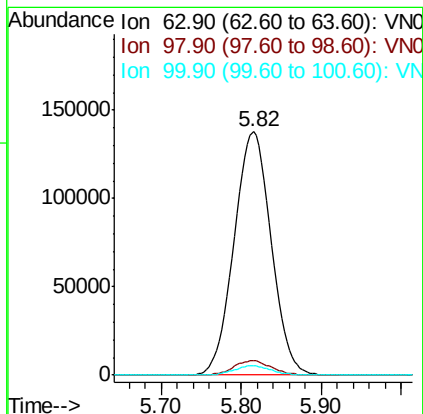
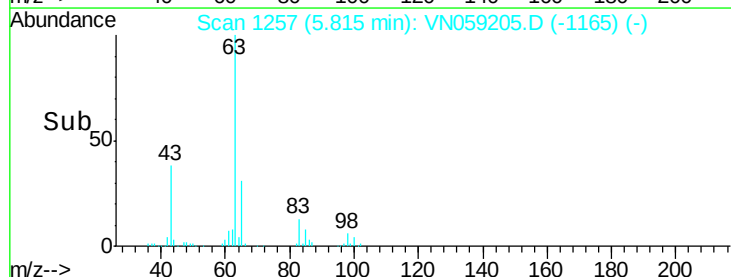
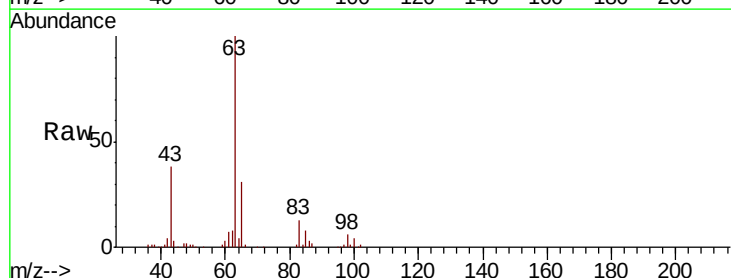
Tgt Ion: 63 Resp: 433010

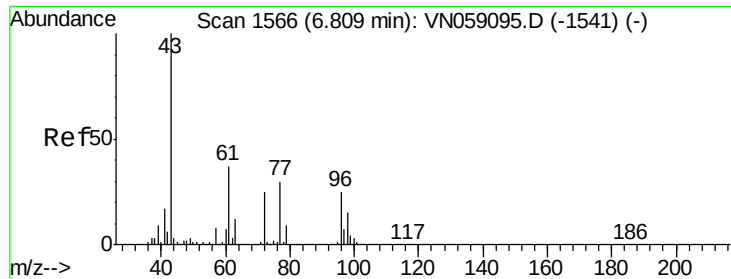
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 261.577 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tot Ion: 43 Resp: 911333

Ion Ratio Lower Upper

43 100

72 24.9 20.3 30.5

Instrument :

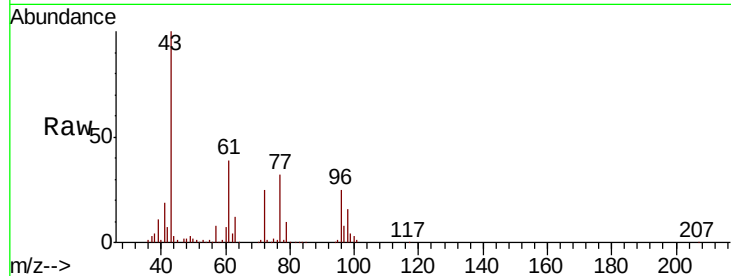
MSVOA_N

ClientSampled :

VSTDCCC050

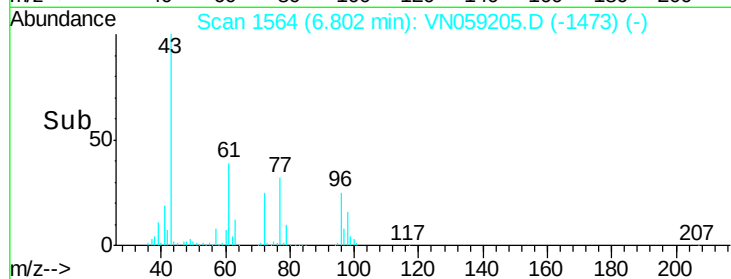
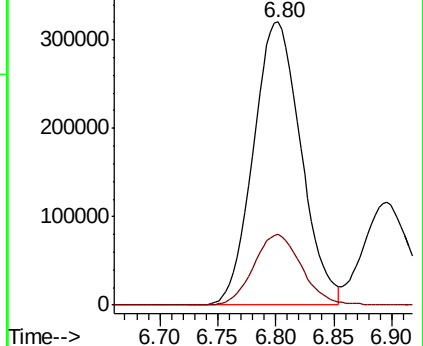
Manual Integrations

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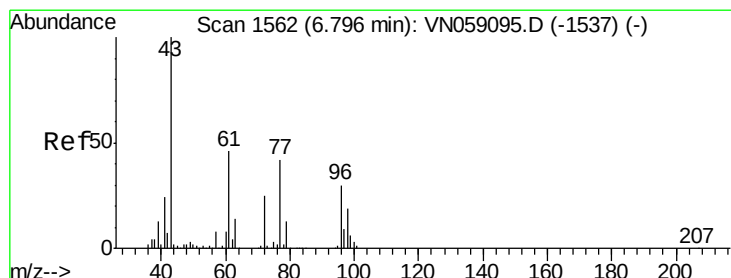
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



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#26

2,2-Dichloropropane

Concen: 50.353 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN059205.D

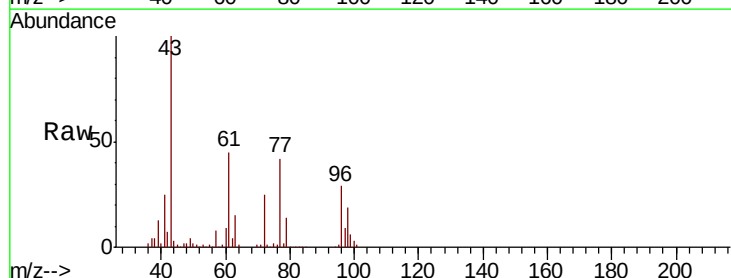
Acq: 13 Nov 2019 8:47

Tgt Ion: 77 Resp: 368077

Ion Ratio Lower Upper

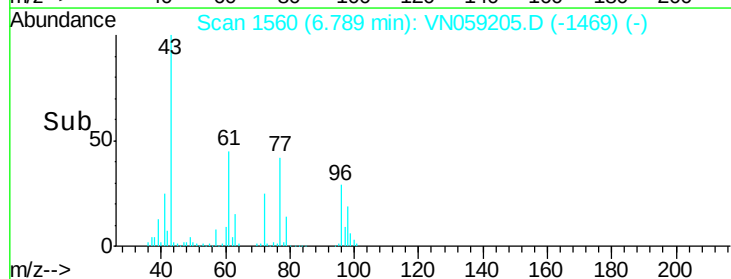
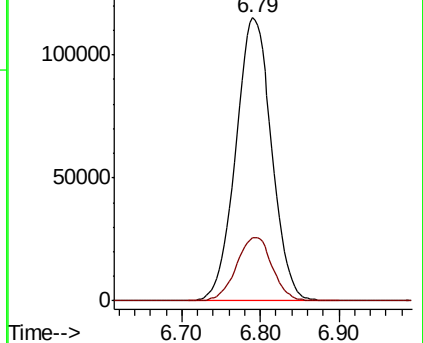
77 100

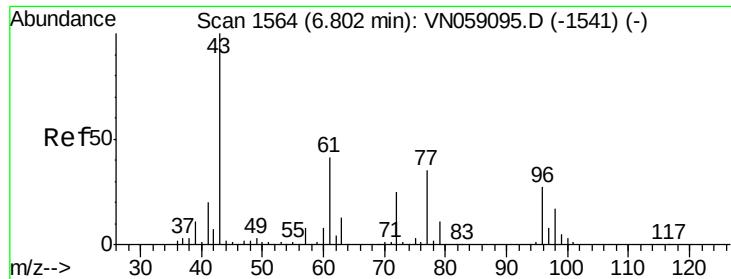
97 22.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.898 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

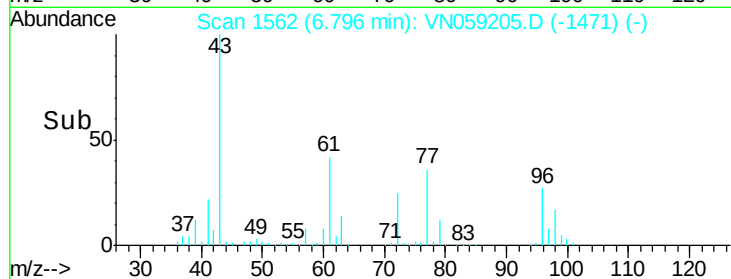
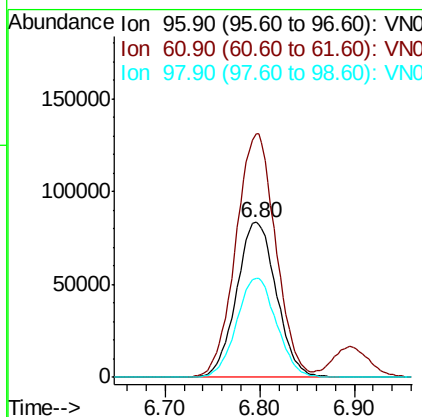
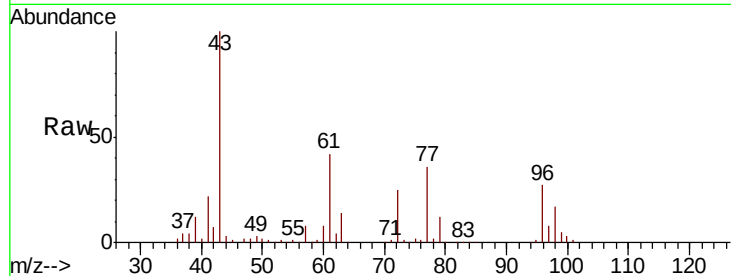
MSVOA_N

ClientSampled :

VSTDCCC050

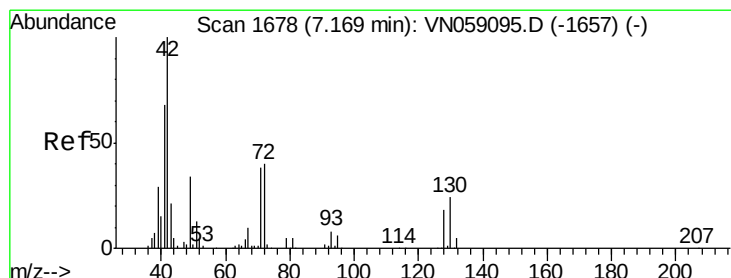
Tot Ion:	96	Resp:	244516
Ion	Ratio	Lower	Upper
96	100		
61	157.6	0.0	311.6
98	64.1	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 46.239 ug/l

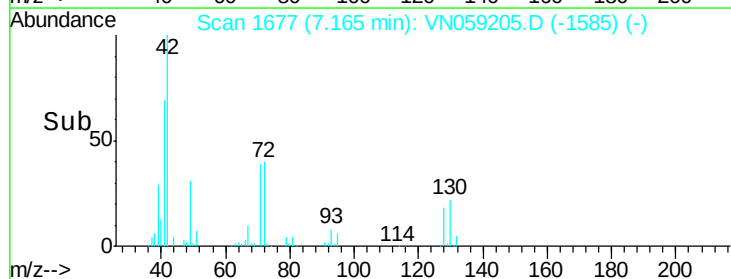
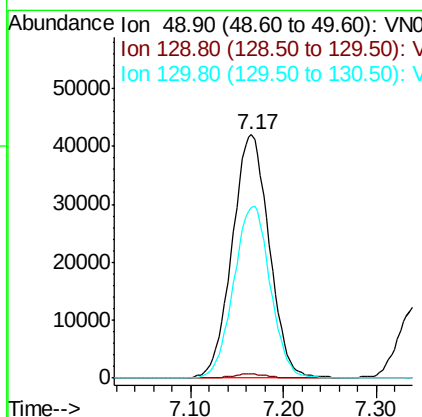
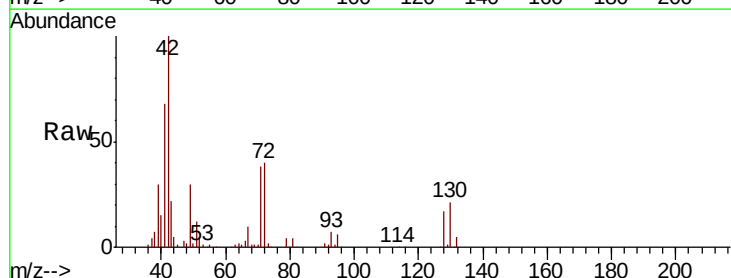
RT: 7.17 min Scan# 1677

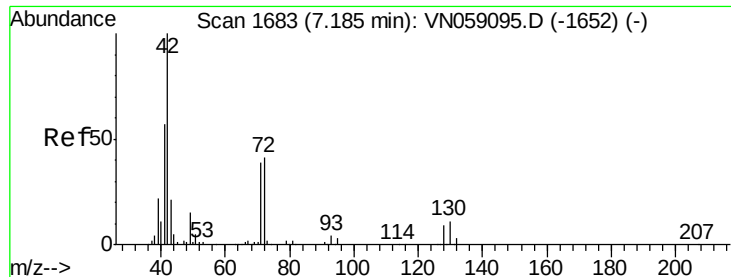
Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion:	49	Resp:	116295
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	69.6	55.6	83.4



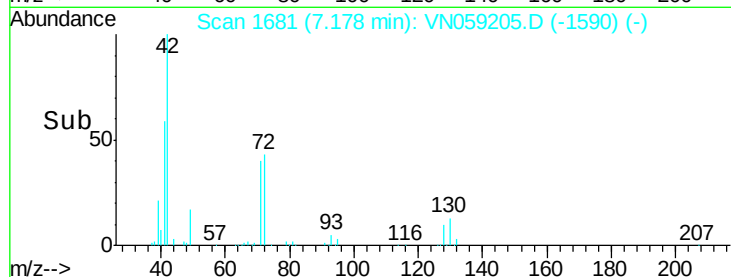
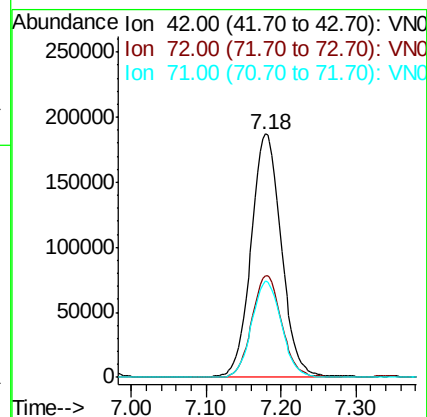
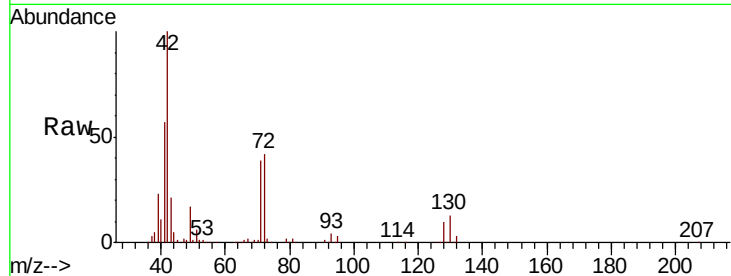


#29
Tetrahydrofuran
Concen: 237.314 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

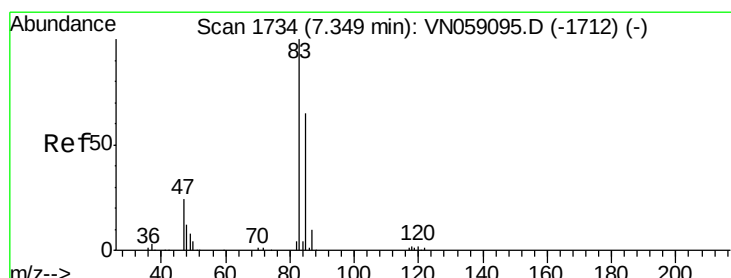
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.1	49.7
71	39.0	30.9	46.3

Manual Integrations
APPROVED



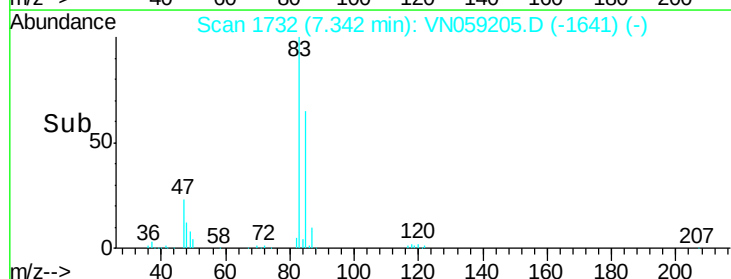
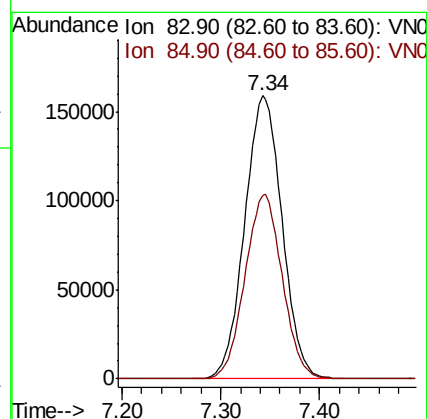
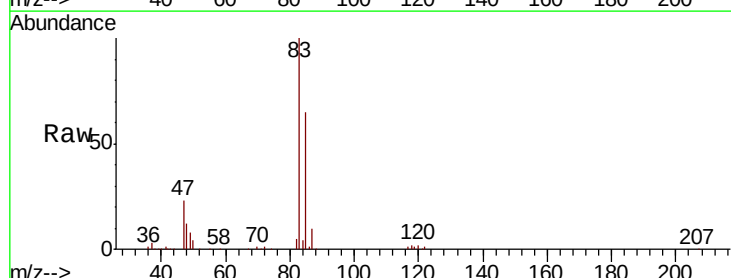
MMDadoda

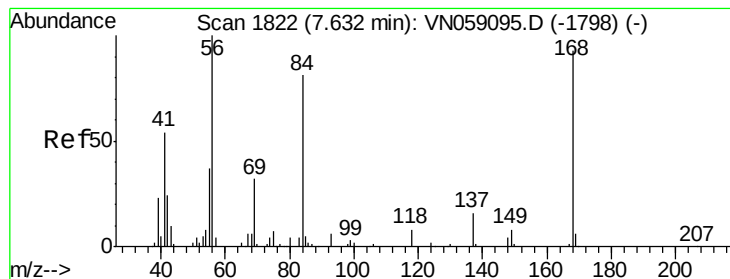
11/14/2019 10:00:06 AM



#30
Chloroform
Concen: 51.991 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8





#31

Cyclohexane

Concen: 46.501 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

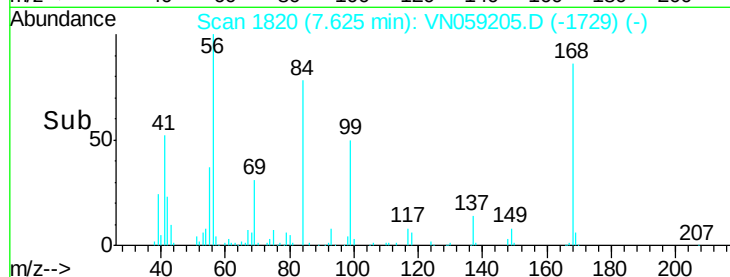
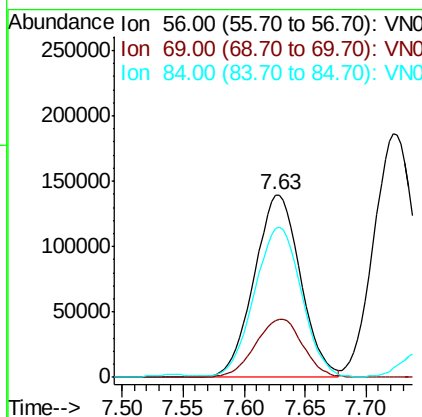
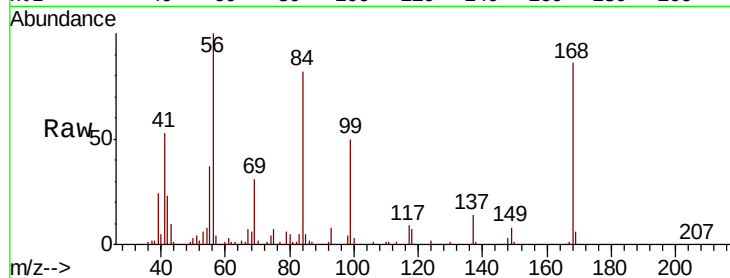
MSVOA_N

ClientSampleId :

VSTDCCC050

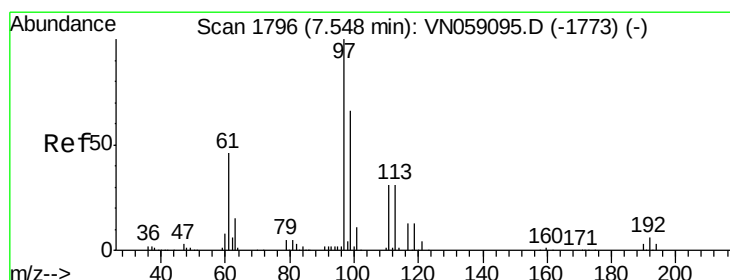
Tot Ion:	56	Resp:	368012
Ion Ratio		Lower	Upper
56	100		
69	31.3	25.8	38.8
84	80.5	65.0	97.4

Manual Integrations
APPROVED



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#32

1,1,1-Trichloroethane

Concen: 52.103 ug/l

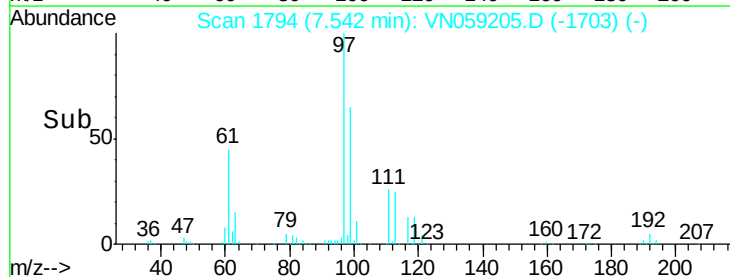
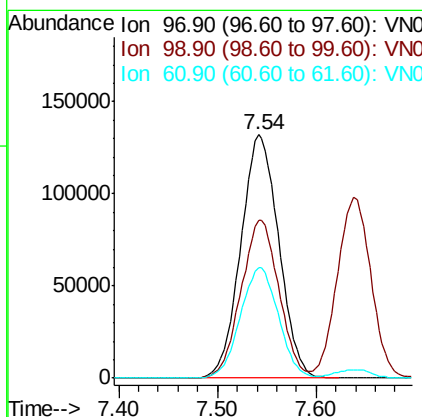
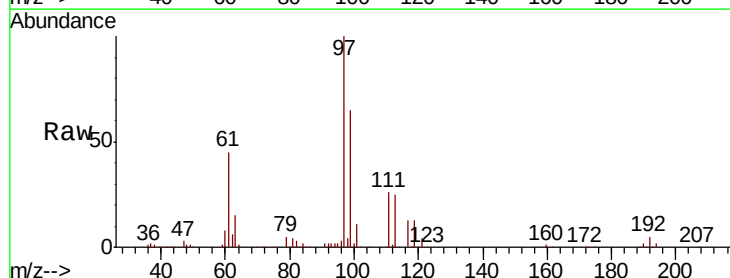
RT: 7.54 min Scan# 1794

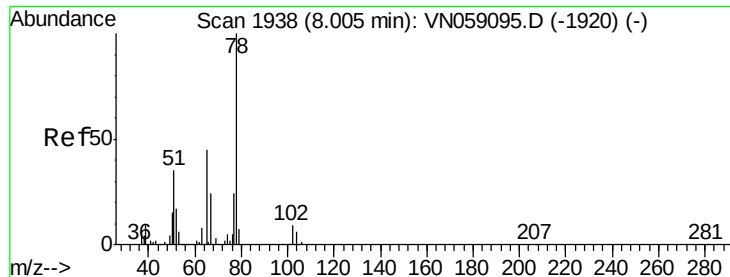
Delta R.T. -0.01 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion:	97	Resp:	351291
Ion Ratio		Lower	Upper
97	100		
99	64.9	51.0	76.6
61	45.7	35.8	53.8



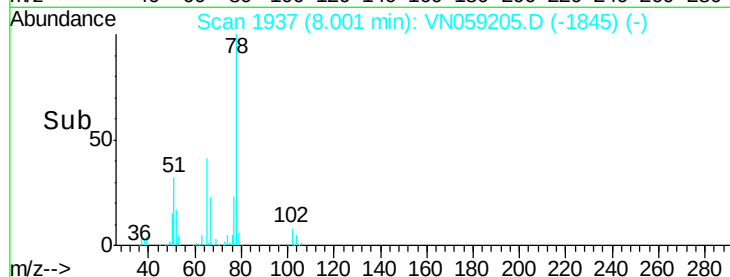
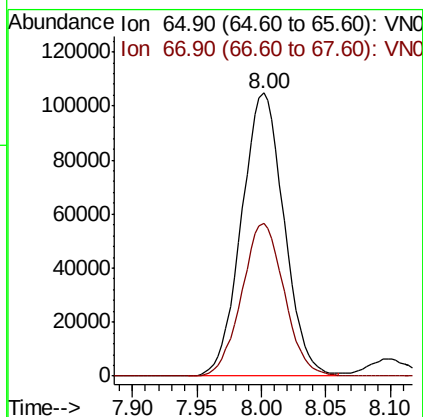
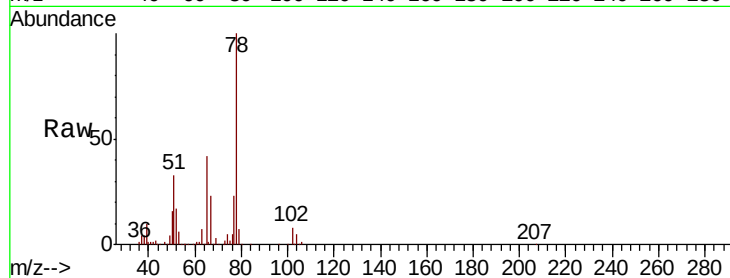


#33
 1,2-Dichloroethane-d4
 Concen: 47.476 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

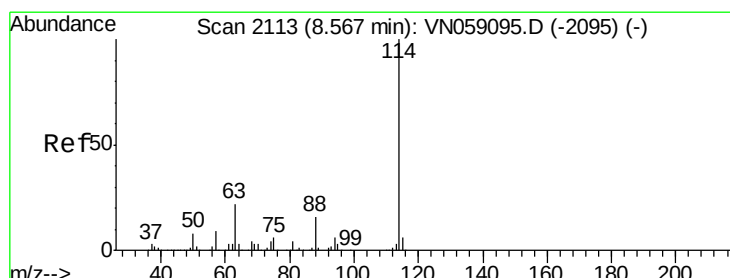
Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	107.4	

Manual Integrations
 APPROVED



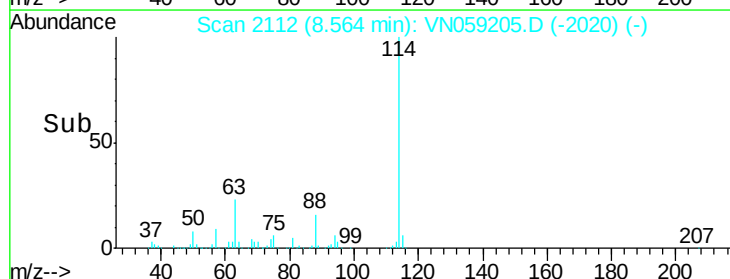
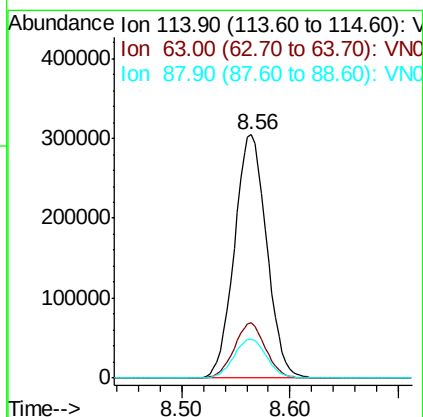
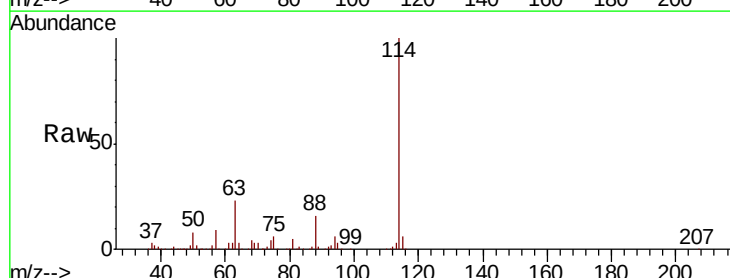
MMDadoda

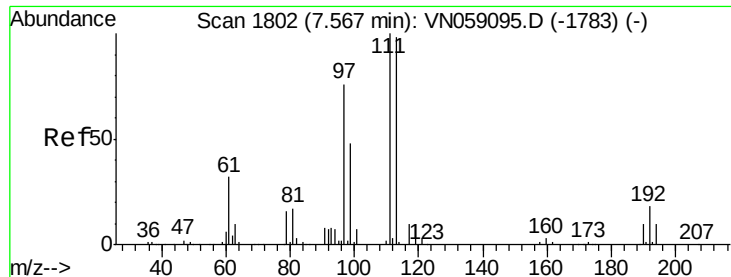
11/14/2019 10:00:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	43.4	
88	16.1	0.0	32.2	



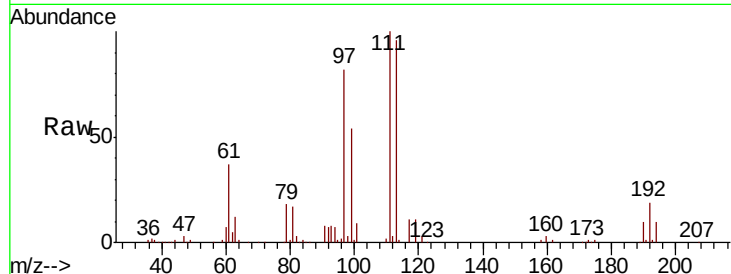


#35
 Dibromofluoromethane
 Concen: 50.878 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	192865		
111	102.9	82.8	124.2	
192	19.6	16.1	24.1	

Manual Integrations
 APPROVED

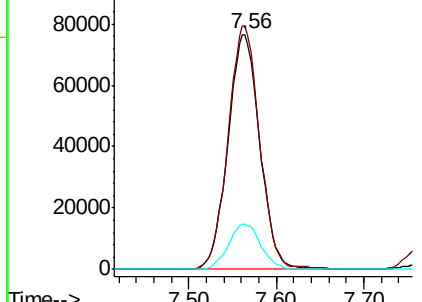


Abundance

Ion 112.80 (112.50 to 113.50): V

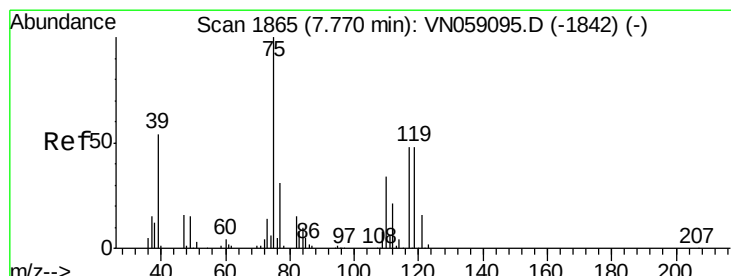
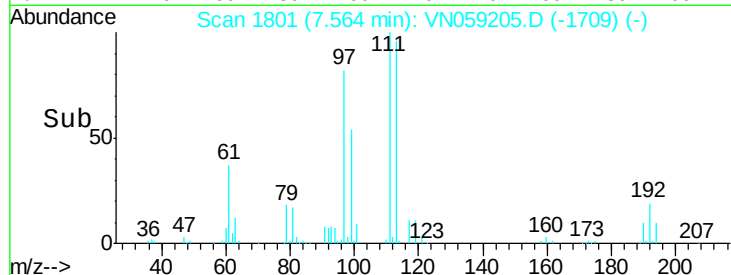
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



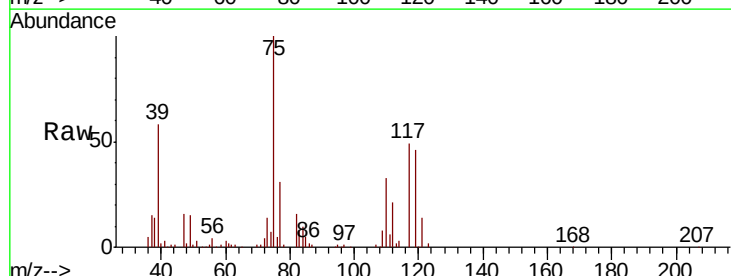
MMDadoda

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#36
 1,1-Dichloropropene
 Concen: 52.238 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	309985		
110	33.3	17.1	51.2	
77	31.2	24.8	37.2	

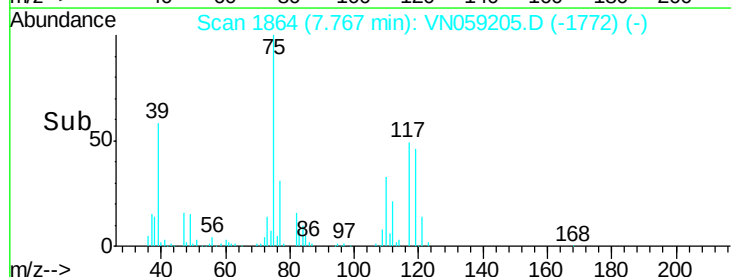
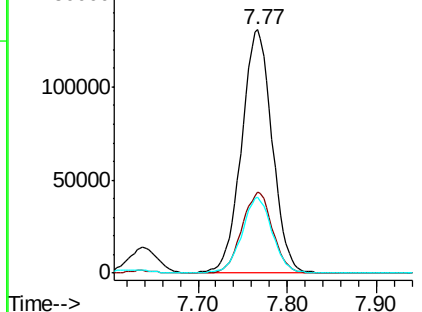


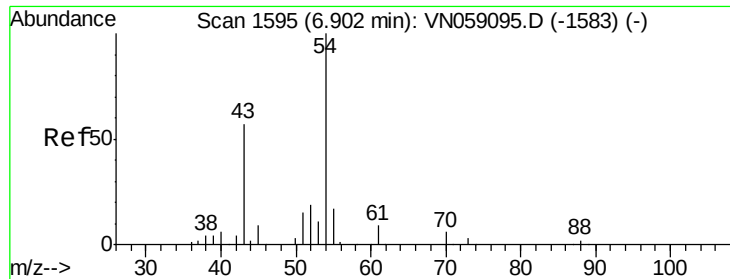
Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO



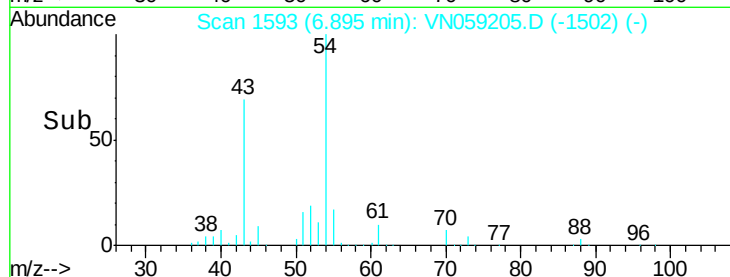
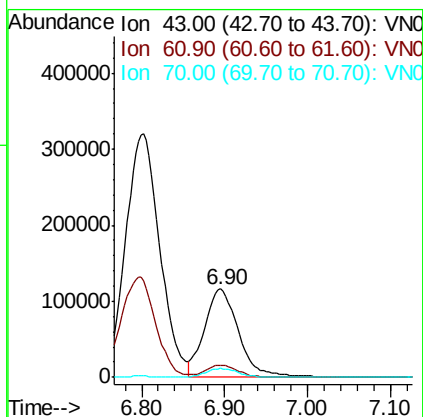
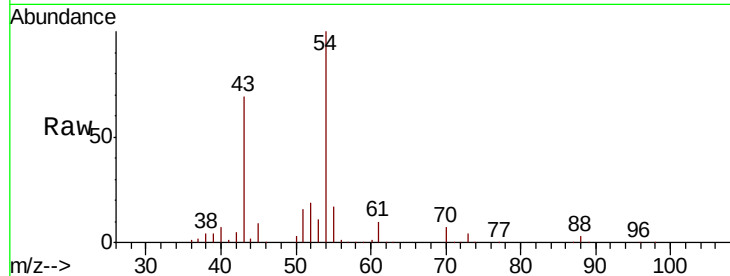


#37
Ethyl Acetate
Concen: 50.063 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

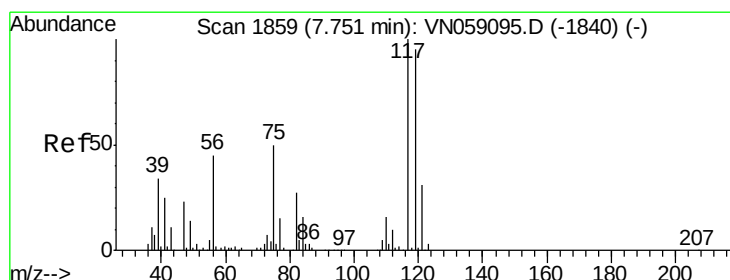
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.2	16.8
70	9.8	7.8	11.8

Manual Integrations
APPROVED



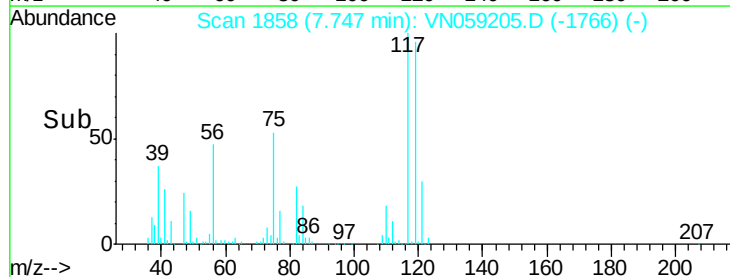
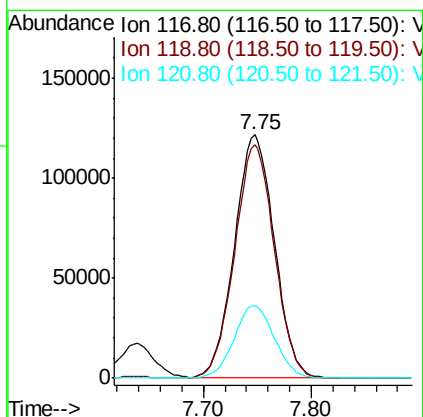
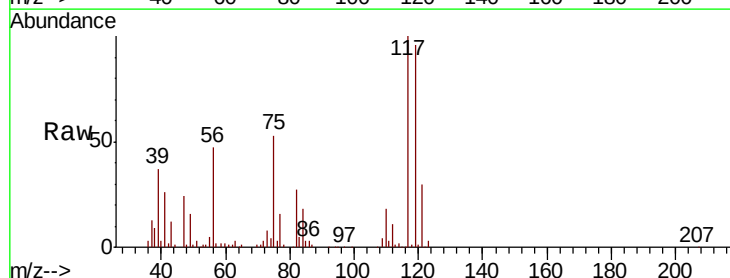
MMDadoda

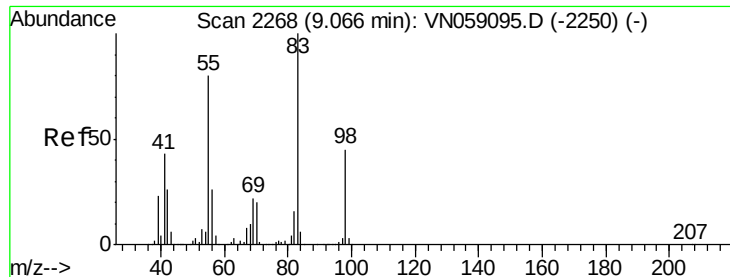
11/14/2019 10:00:06 AM



#38
Carbon Tetrachloride
Concen: 53.040 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.6	113.4
121	29.9	24.6	36.8



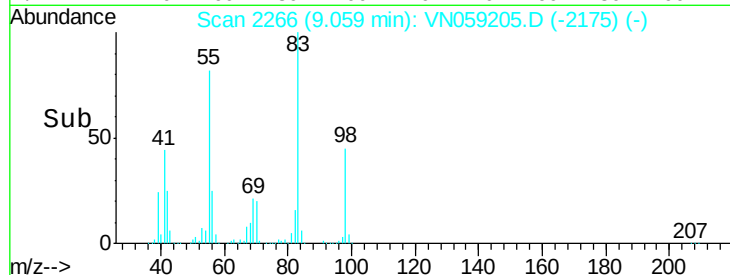
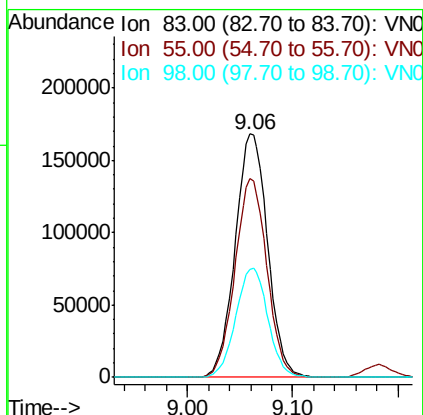
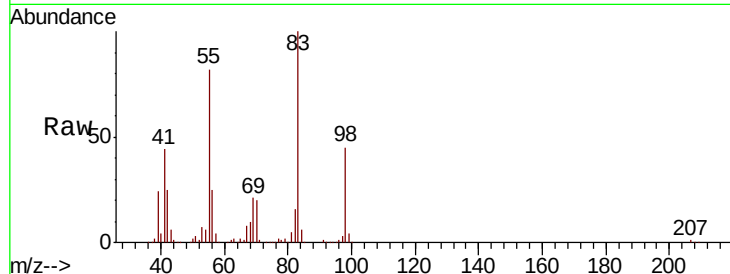


#39
Methylvlcyclohexane
Concen: 51.987 ug/l
RT: 9.06 min Scan# 2266
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

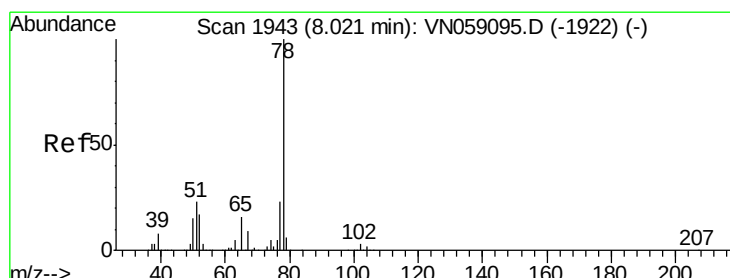
Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.9	95.9
98	44.6	35.6	53.4

Manual Integrations
APPROVED



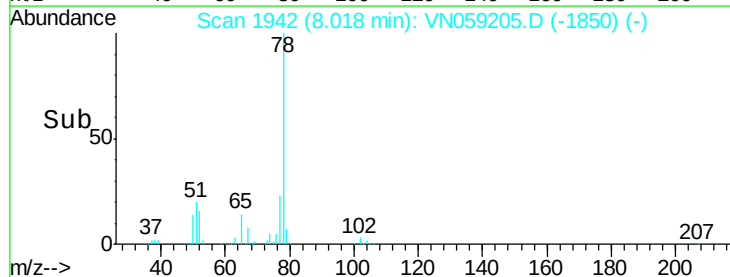
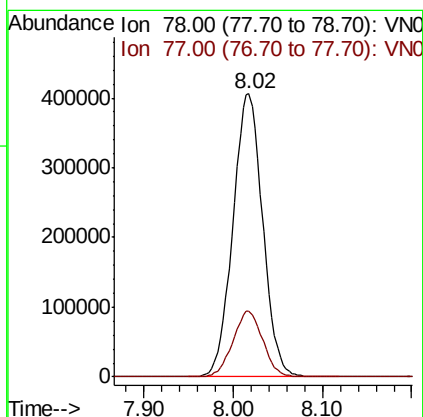
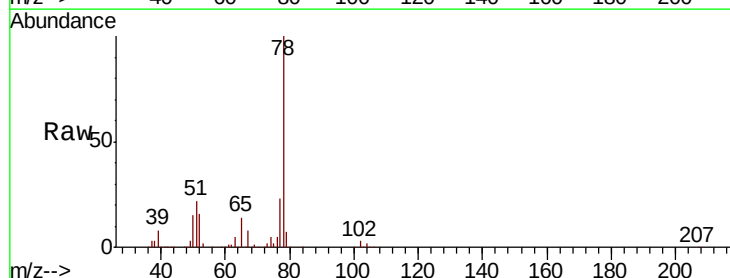
MMDadoda

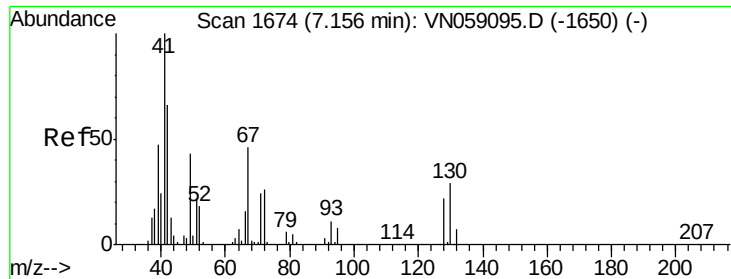
11/14/2019 10:00:06 AM



#40
Benzene
Concen: 52.581 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



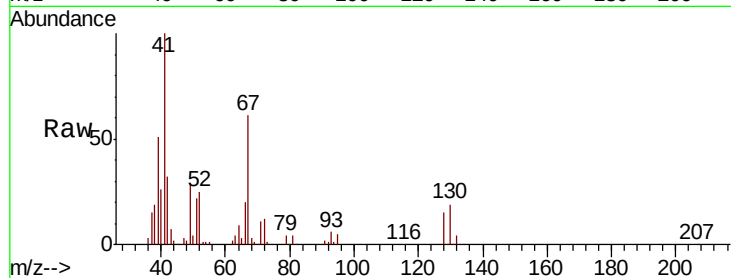


#41
Methacrylonitrile
Concen: 43.905 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

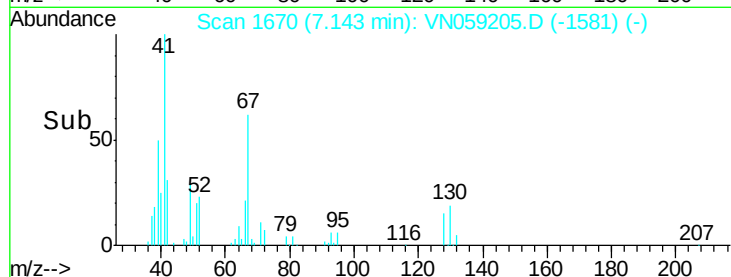
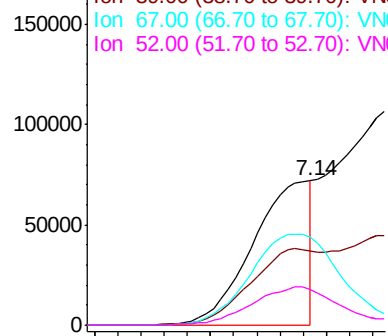
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

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



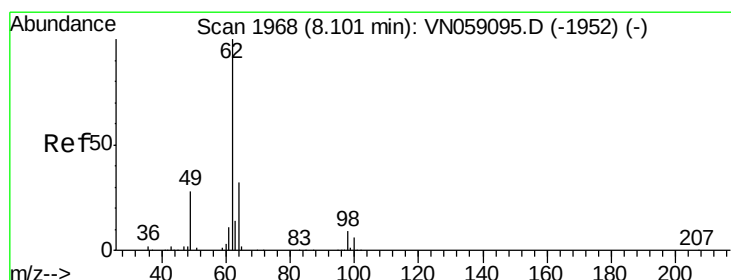
Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)
Ion 39.00 (38.70 to 39.70): VN059095.D (-1650) (-)
Ion 67.00 (66.70 to 67.70): VN059095.D (-1650) (-)
Ion 52.00 (51.70 to 52.70): VN059095.D (-1650) (-)



Time--> 7.05 7.10 7.15

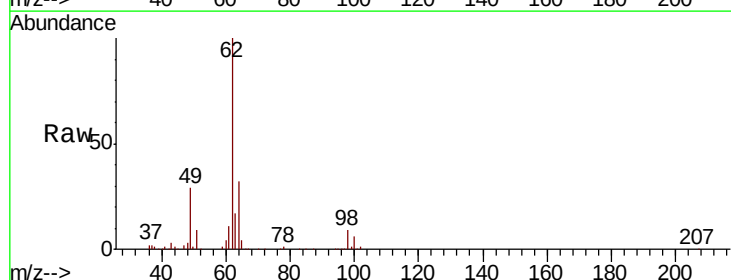
MMDadoda

11/14/2019 10:00:06 AM

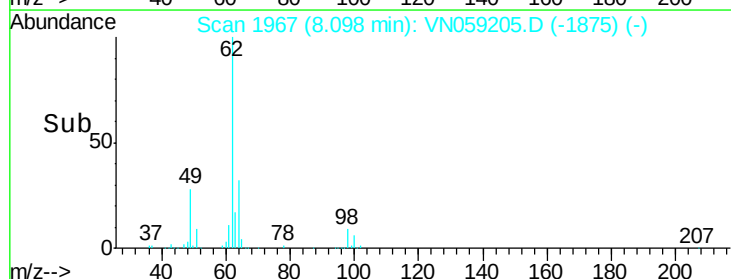
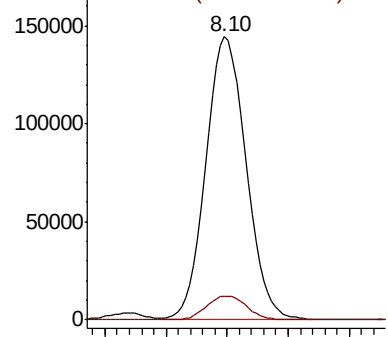


#42
1,2-Dichloroethane
Concen: 53.614 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

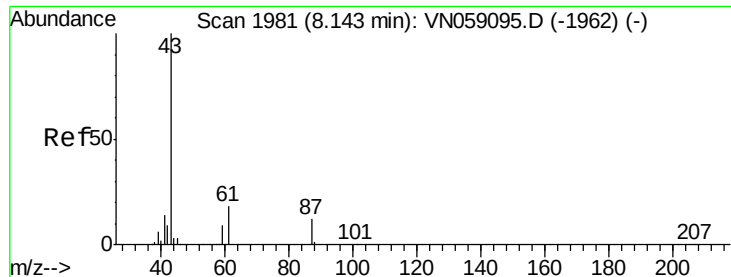
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059095.D (-1952) (-)
Ion 97.90 (97.60 to 98.60): VN059095.D (-1952) (-)



Time--> 8.00 8.05 8.10 8.15 8.20



#43

Isopropyl Acetate

Concen: 49.978 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

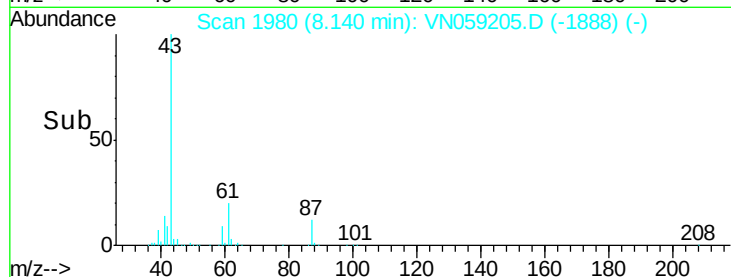
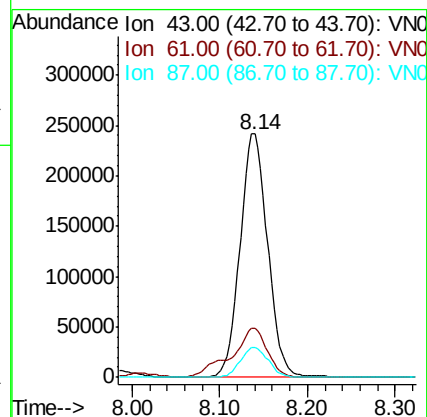
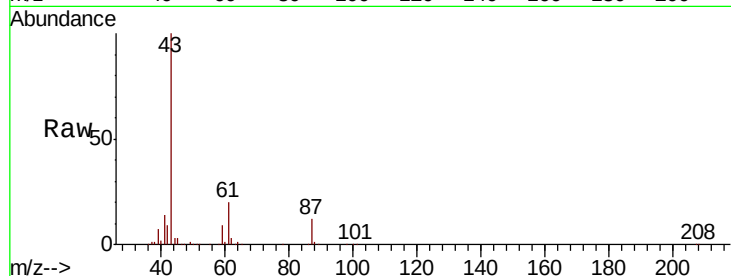
MSVOA_N

ClientSampleId :

VSTDCCC050

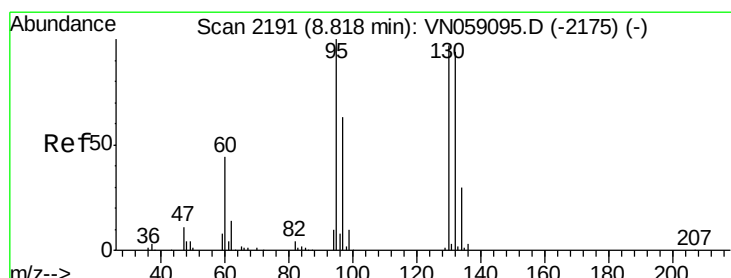
Tot Ion:	43	Resp:	525991
Ion Ratio	Lower	Upper	
43	100		
61	26.6	21.0	31.6
87	12.4	9.8	14.6

Manual Integrations
APPROVED



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11/14/2019 10:00:06 AM



#44

Trichloroethene

Concen: 52.603 ug/l

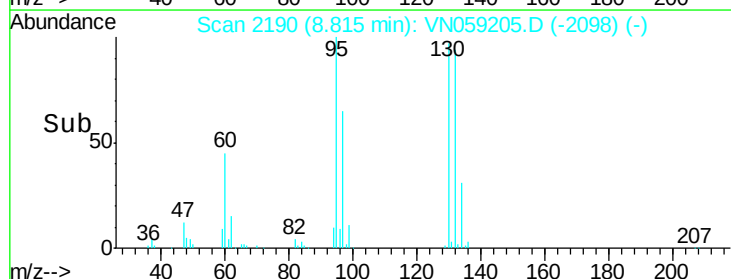
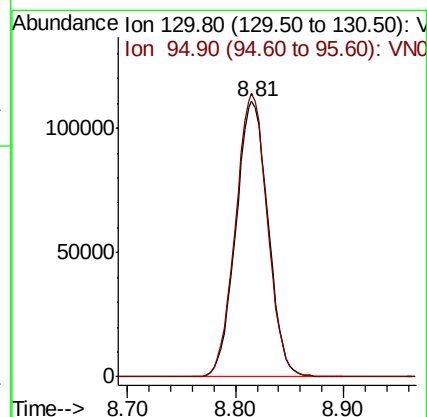
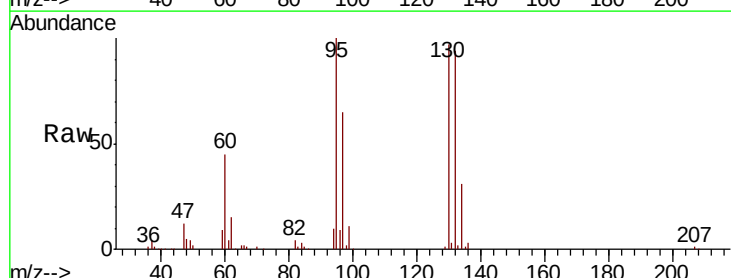
RT: 8.81 min Scan# 2190

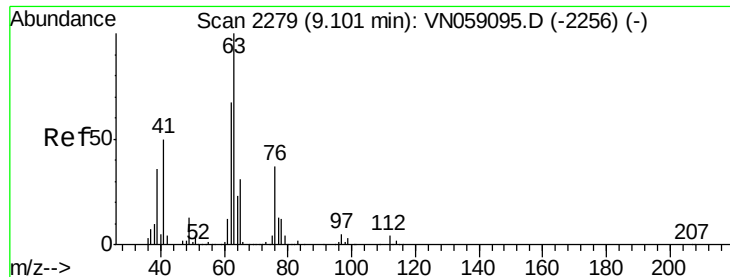
Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion:	130	Resp:	231063
Ion Ratio	Lower	Upper	
130	100		
95	102.8	0.0	206.4



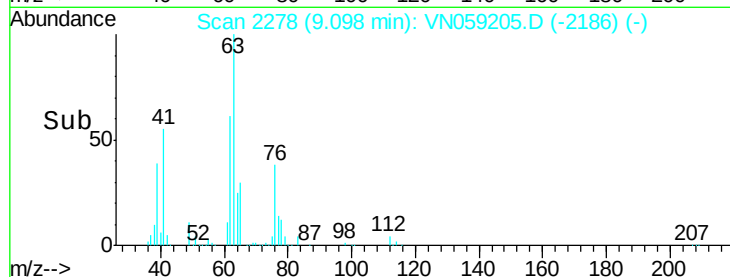
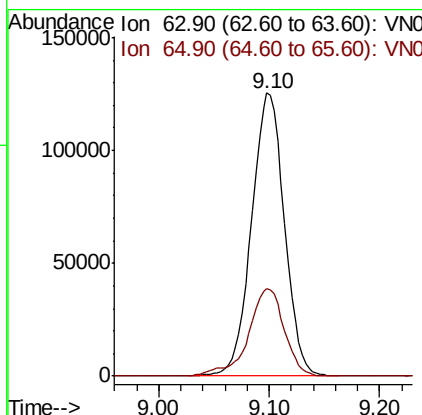
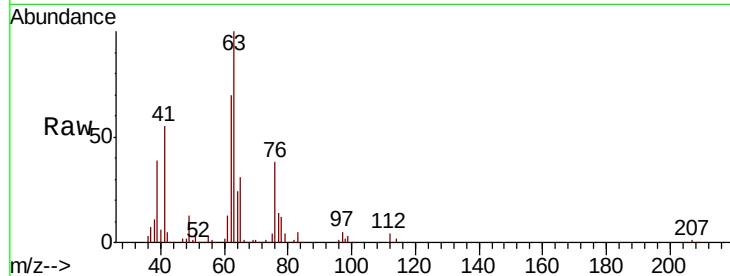


#45
 1,2-Dichloropropane
 Concen: 53.371 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

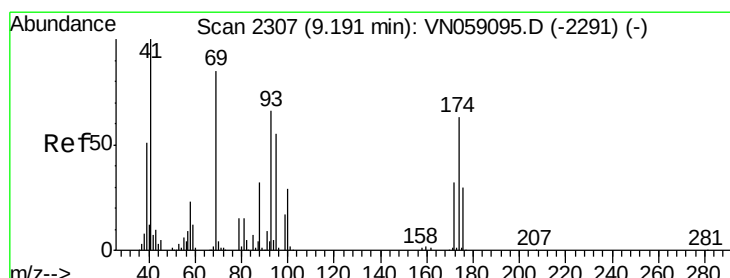
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

Manual Integrations
 APPROVED



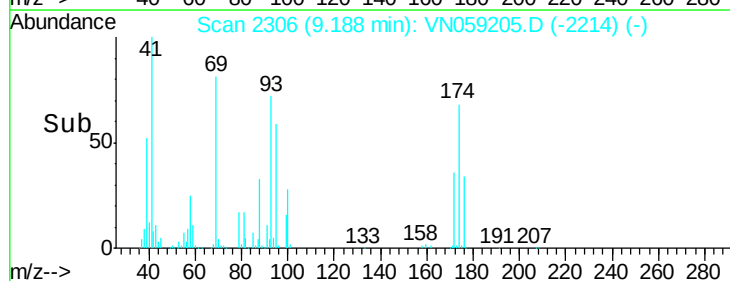
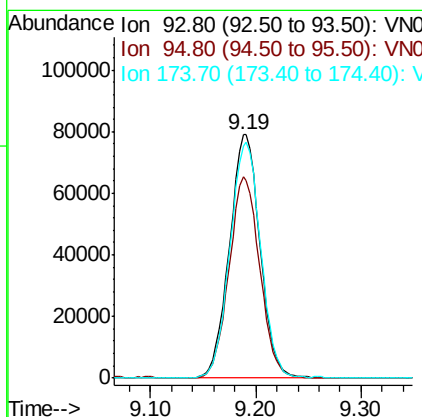
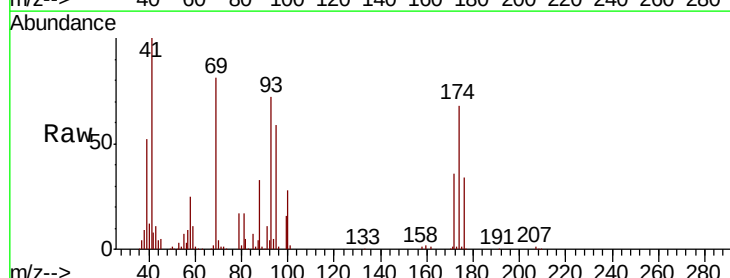
MMDadoda

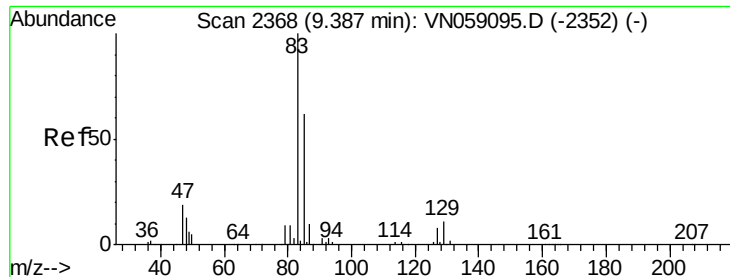
11/14/2019 10:00:06 AM



#46
 Dibromomethane
 Concen: 52.448 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	100.0
174	97.2	78.2	117.2



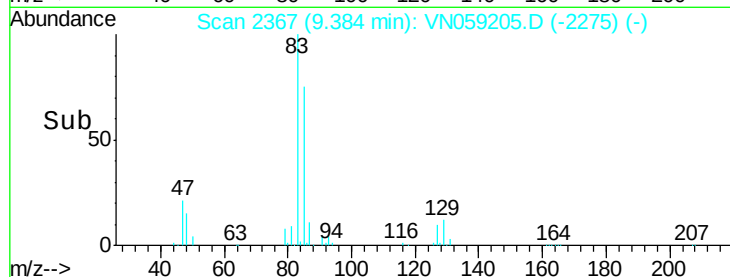
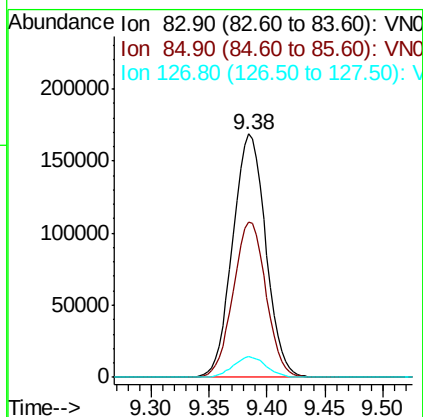
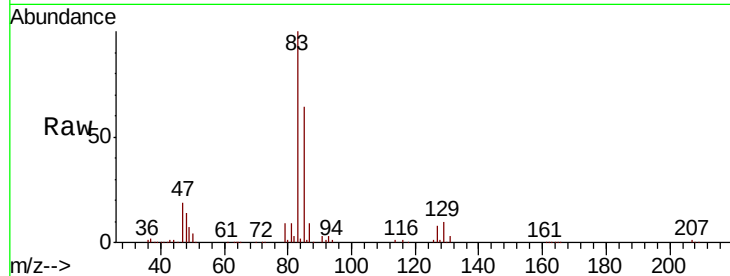


#47
Bromodichloromethane
Concen: 55.349 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

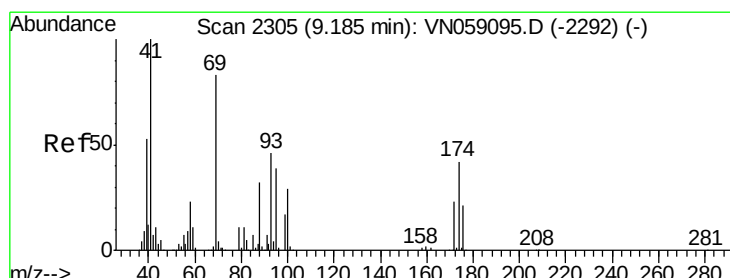
Tot Ion:	83	Resp:	334285
Ion Ratio	Lower	Upper	
83	100		
85	64.0	49.7	74.5
127	8.4	6.4	9.6

Manual Integrations
APPROVED



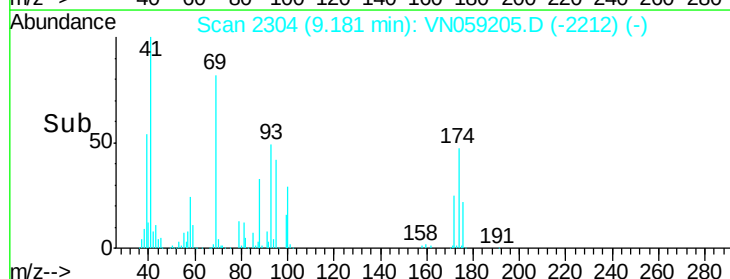
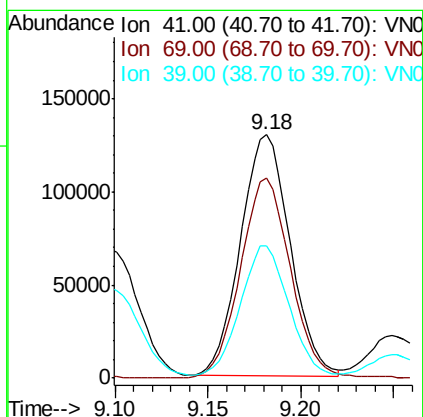
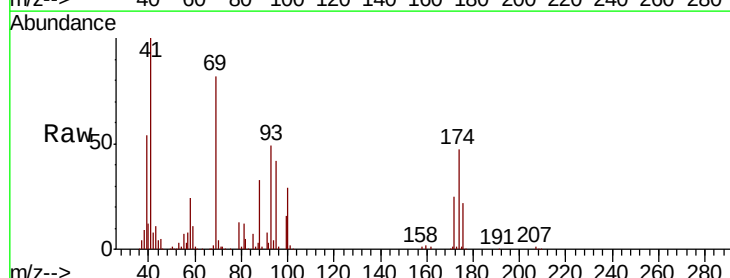
MMDadoda

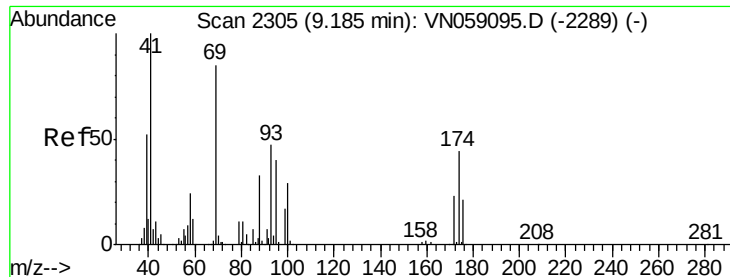
11/14/2019 10:00:06 AM



#48
Methyl methacrylate
Concen: 51.148 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion:	41	Resp:	240780
Ion Ratio	Lower	Upper	
41	100		
69	84.2	67.3	100.9
39	54.4	43.3	64.9



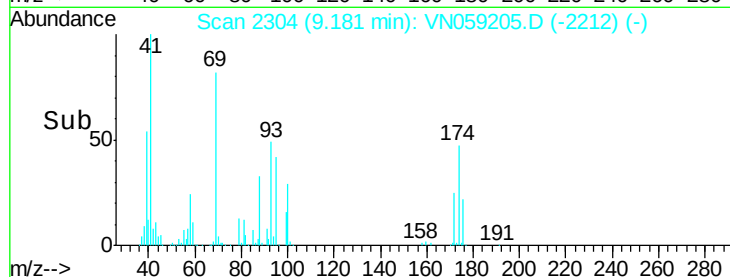
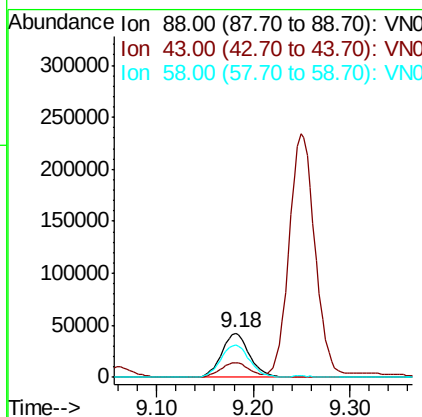
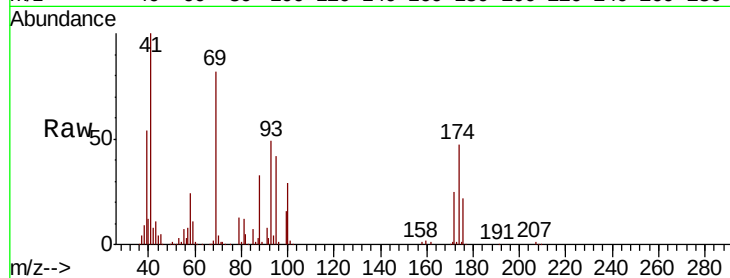


#49
1,4-Dioxane
Concen: 1022.681 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

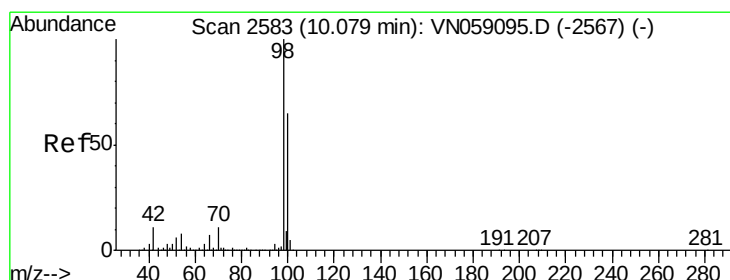
Tot Ion	88	Resp	85557
Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.3	39.5
58	75.1	60.6	90.8

Manual Integrations
APPROVED



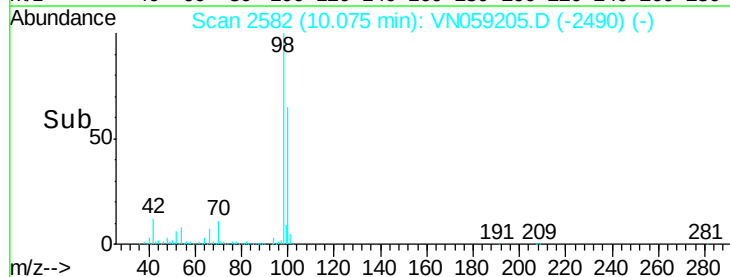
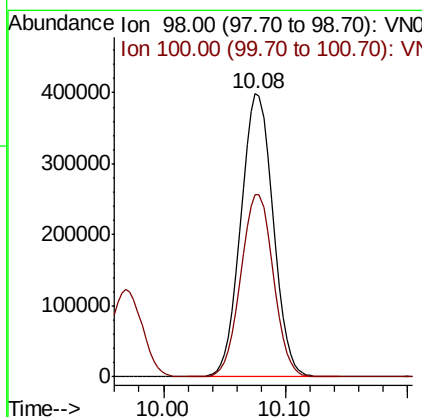
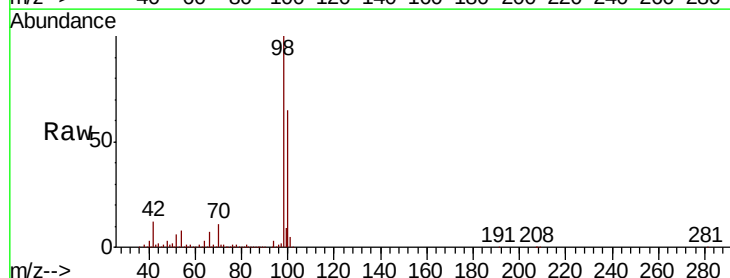
MMDadoda

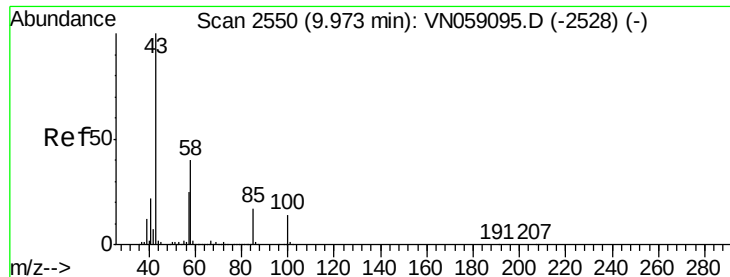
11/14/2019 10:00:06 AM



#50
Toluene-d8
Concen: 48.739 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	98	Resp	727734
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2



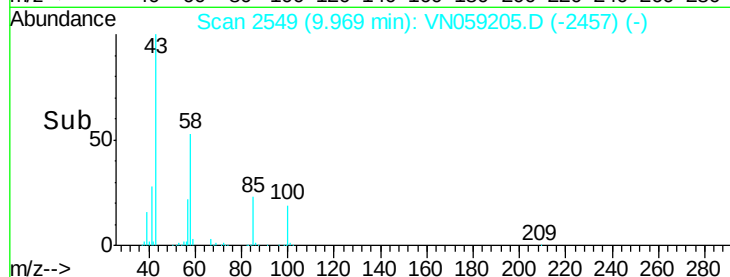
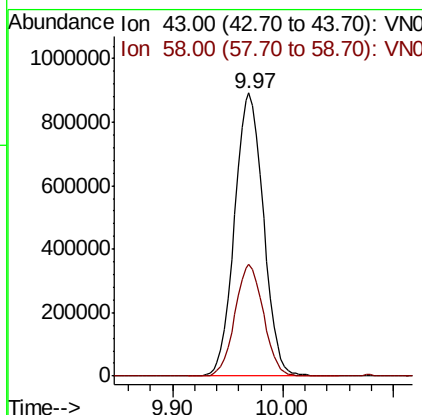
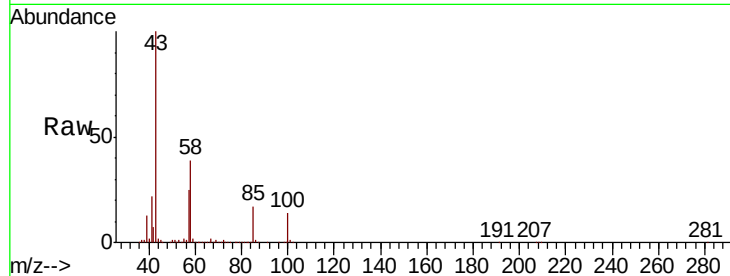


#51
4-Methyl-2-Pentanone
Concen: 271.595 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

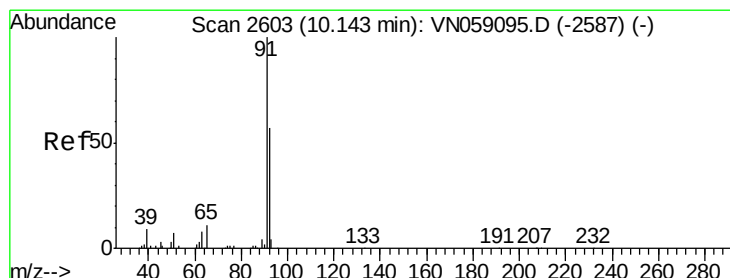
Tot Ion: 43 Resp: 1617336
Ion Ratio Lower Upper
43 100
58 38.9 31.5 47.3

Manual Integrations
APPROVED



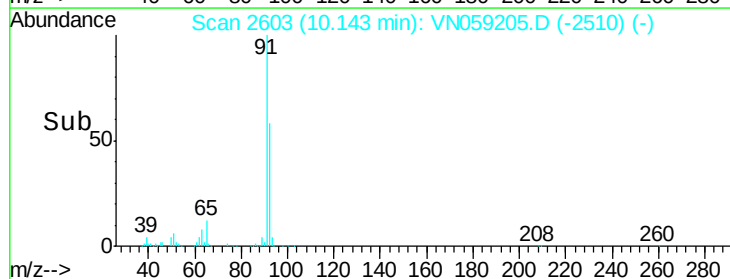
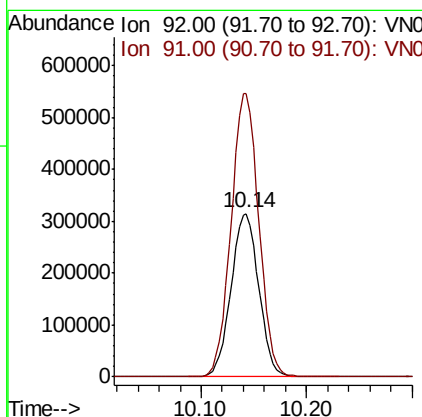
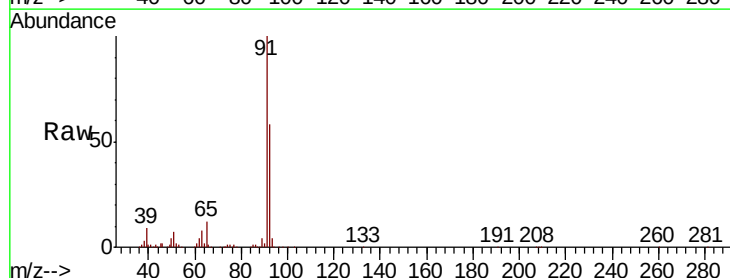
MMDadoda

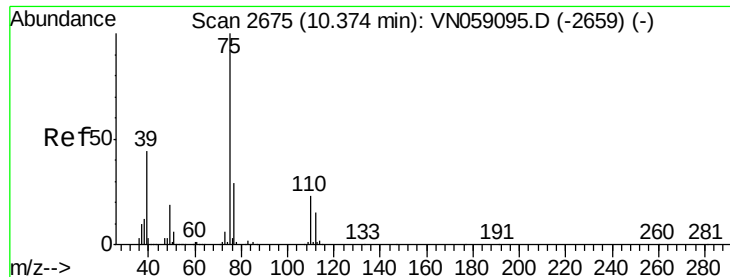
11/14/2019 10:00:06 AM



#52
Toluene
Concen: 53.354 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion: 92 Resp: 571442
Ion Ratio Lower Upper
92 100
91 173.8 139.5 209.3



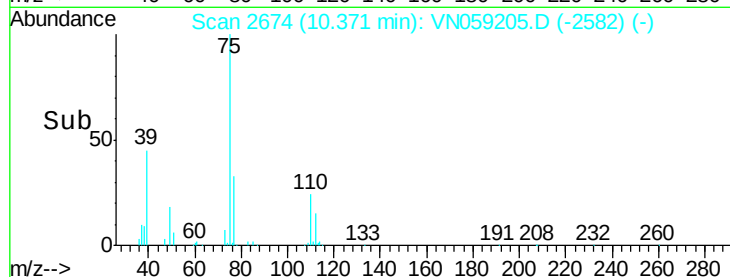
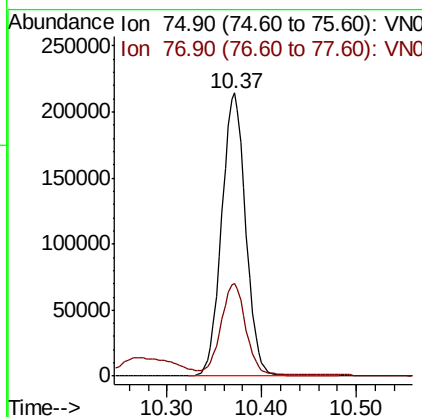
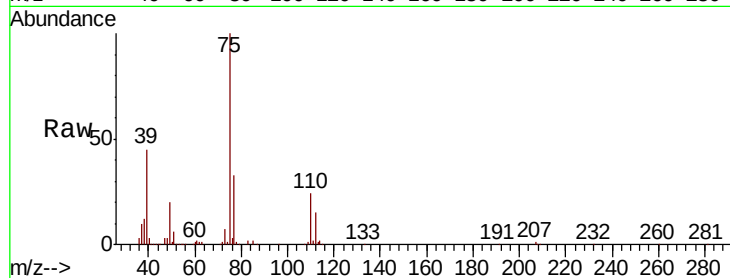


#53
t-1,3-Dichloropropene
Concen: 53.982 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

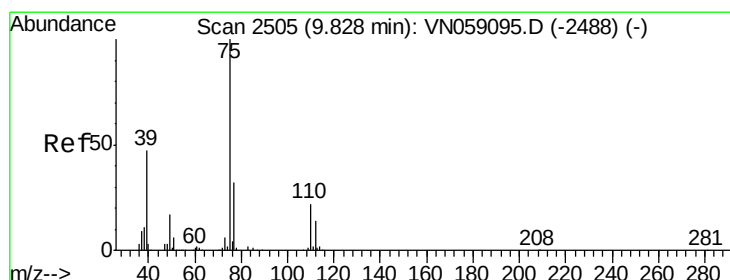
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.3	37.9

Manual Integrations
APPROVED



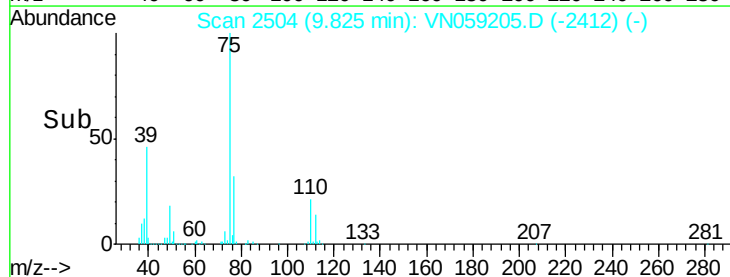
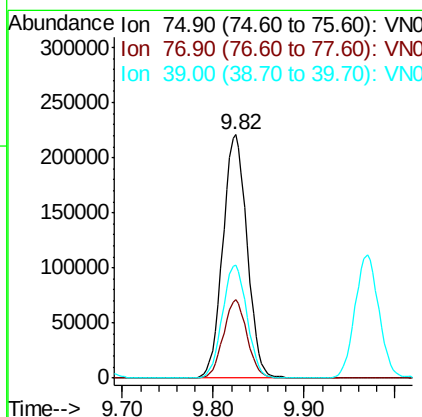
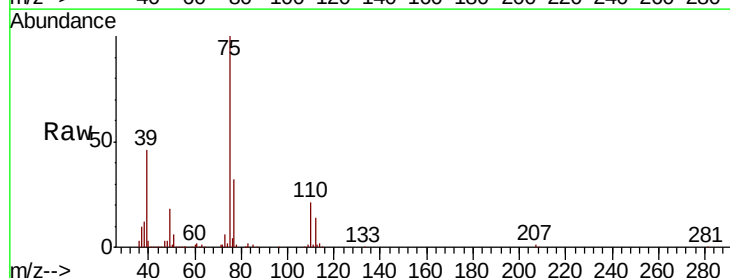
MMDadoda

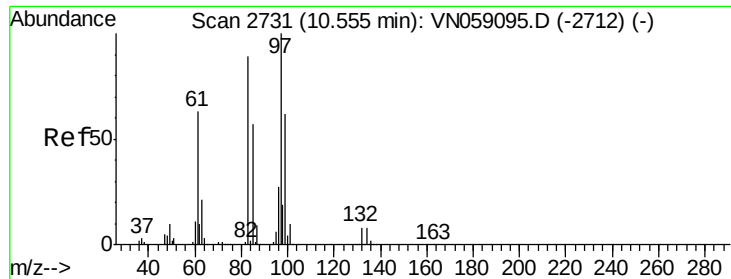
11/14/2019 10:00:06 AM



#54
cis-1,3-Dichloropropene
Concen: 54.567 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3
39	46.1	37.3	55.9





#55

1,1,2-Trichloroethane

Concen: 53.453 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

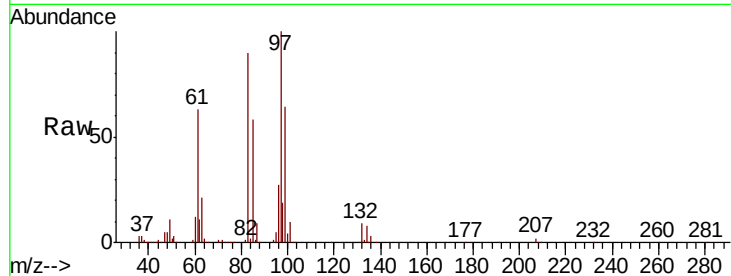
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	231696
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.0	106.4
85	57.8	45.8	68.8
99	63.9	49.4	74.0

Manual Integrations
APPROVED



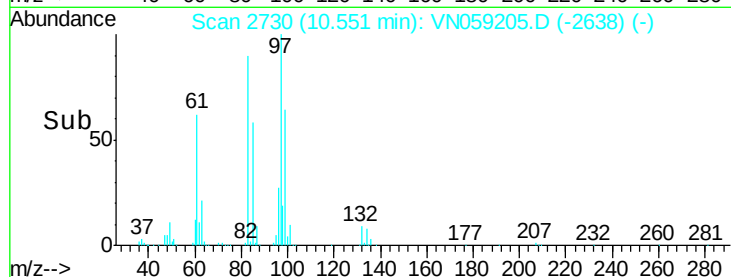
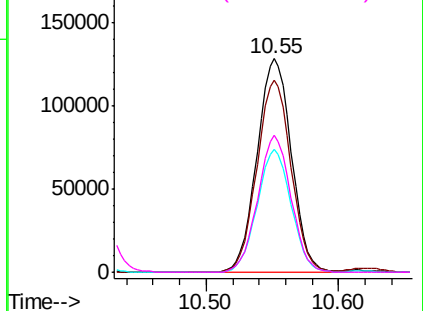
Abundance

Ion 96.90 (96.60 to 97.60): VN059205.D (-2638) (-)

Ion 82.90 (82.60 to 83.60): VN059205.D (-2638) (-)

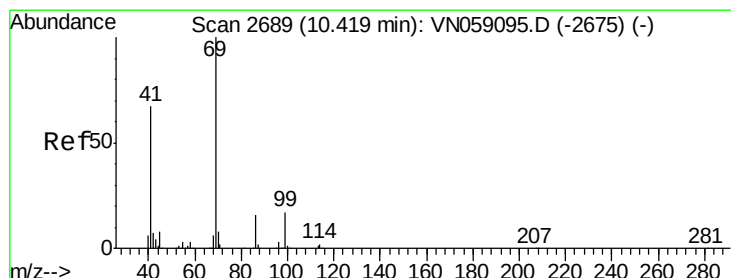
Ion 84.90 (84.60 to 85.60): VN059205.D (-2638) (-)

Ion 98.90 (98.60 to 99.60): VN059205.D (-2638) (-)



MMDadoda

11/14/2019 10:00:06 AM



#56

Ethyl methacrylate

Concen: 48.672 ug/l

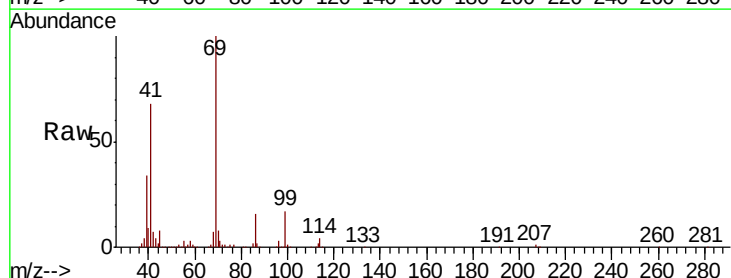
RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion:	69	Resp:	351511
Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.6	80.4
39	32.4	26.2	39.4

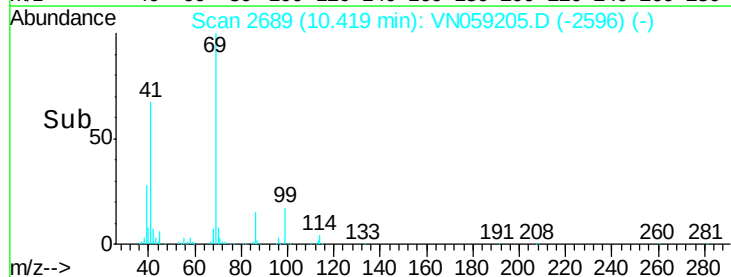
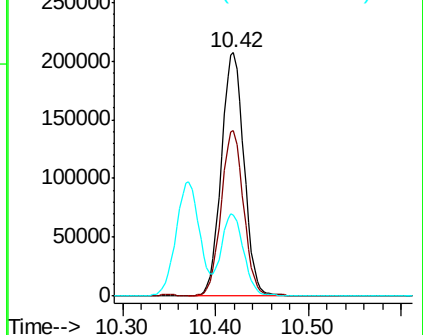


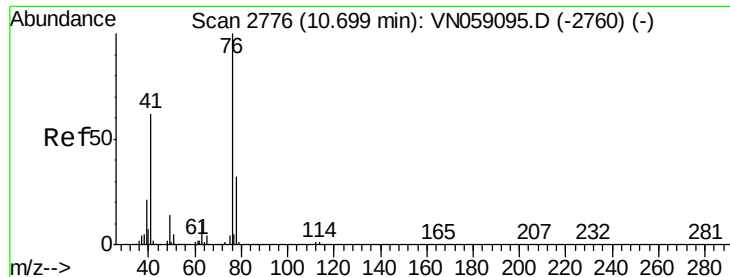
Abundance

Ion 69.00 (68.70 to 69.70): VN059205.D (-2596) (-)

Ion 41.00 (40.70 to 41.70): VN059205.D (-2596) (-)

Ion 39.00 (38.70 to 39.70): VN059205.D (-2596) (-)



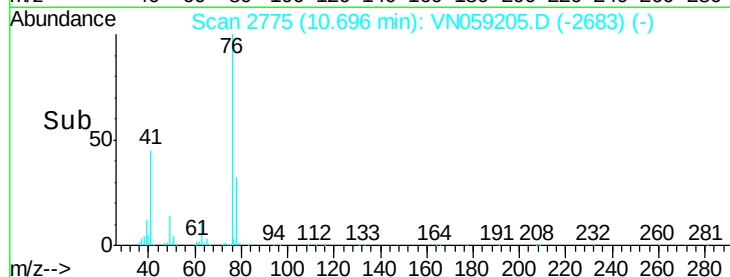
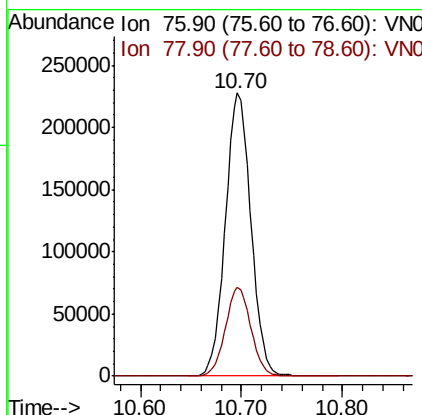
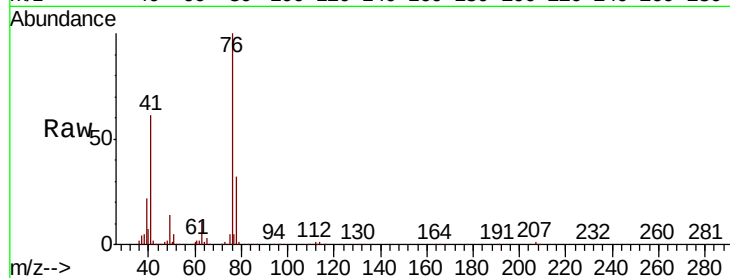


#57
 1,3-Dichloropropane
 Concen: 54.023 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

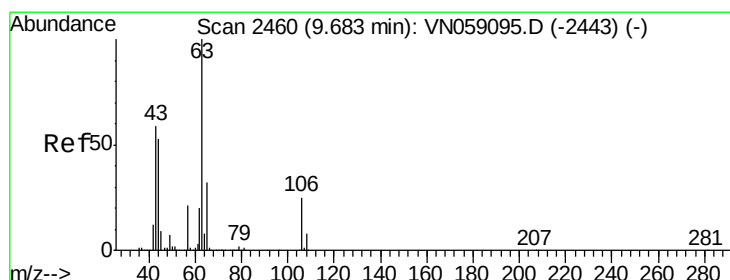
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.8

Manual Integrations
 APPROVED



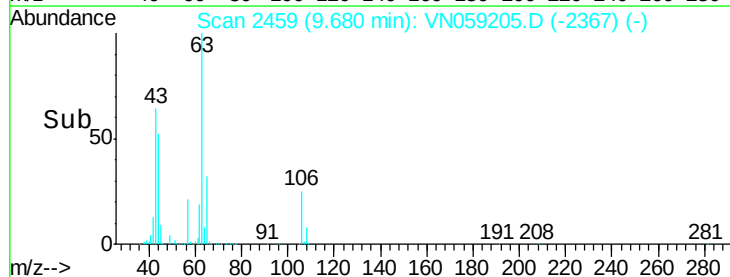
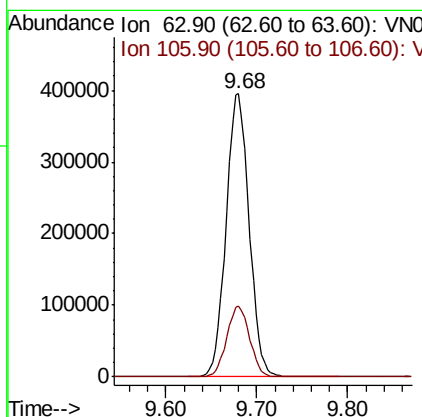
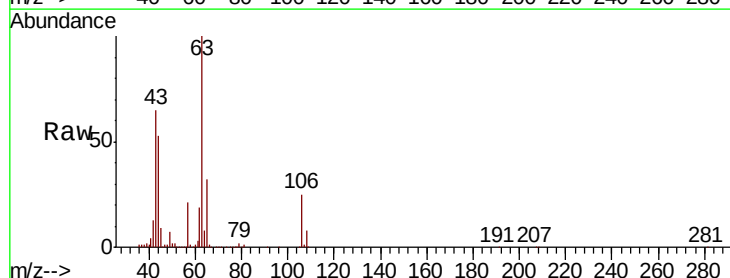
MMDadoda

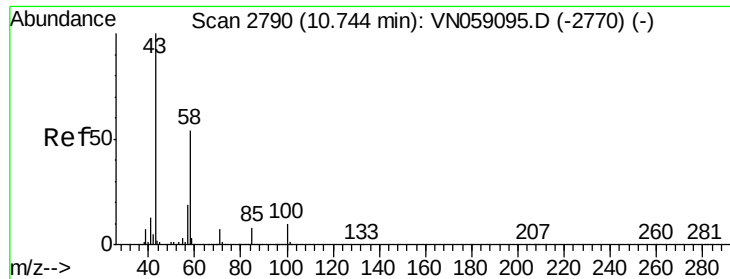
11/14/2019 10:00:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.793 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059205.D
 Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.2	30.2



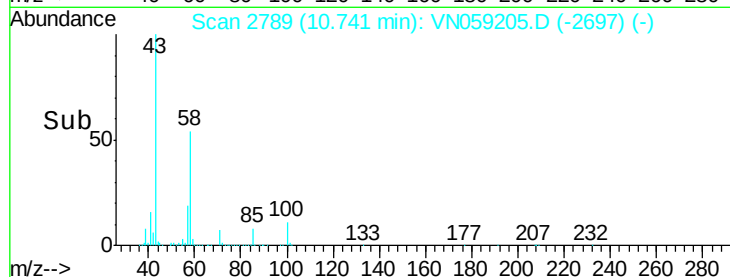
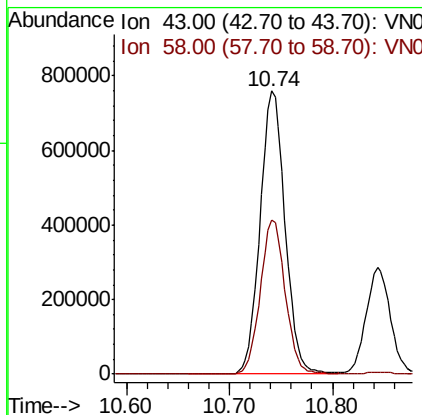
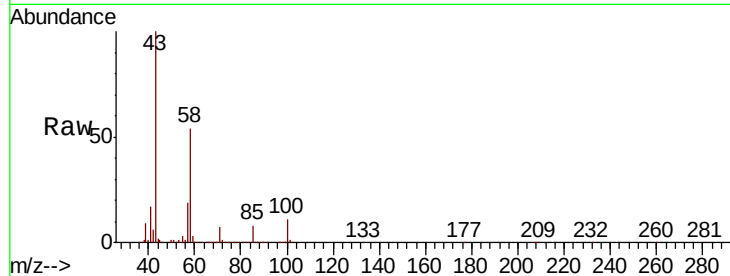


#59
2-Hexanone
Concen: 278.608 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

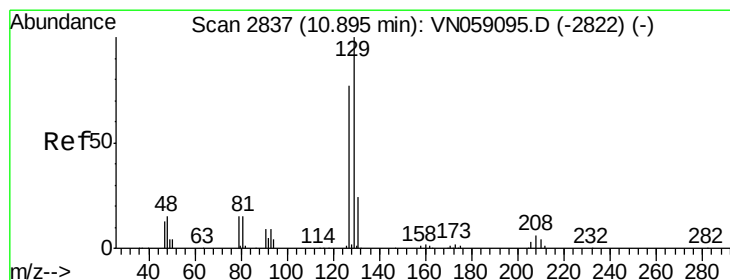
Tot Ion: 43 Resp: 1273433
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8

Manual Integrations
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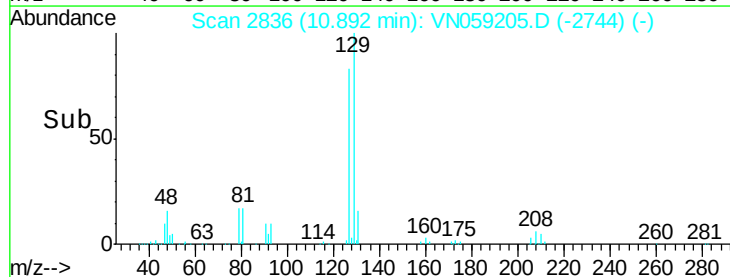
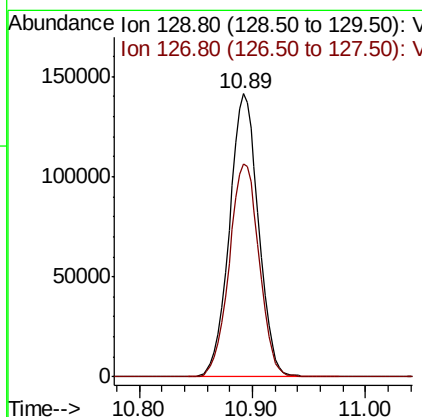
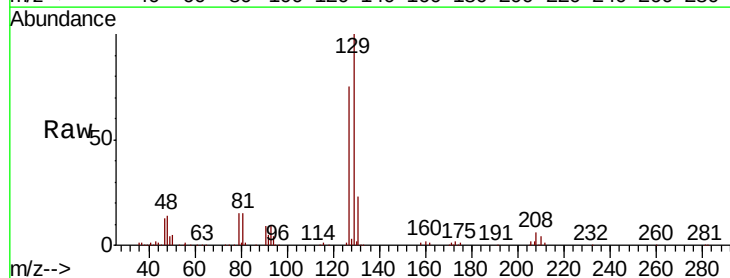
MMDadoda

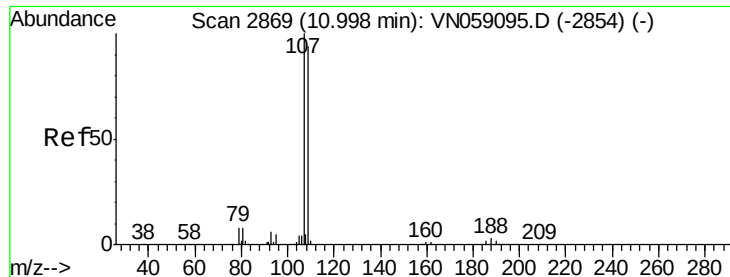
11/14/2019 10:00:06 AM



#60
Dibromochloromethane
Concen: 54.987 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion: 129 Resp: 252002
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.417 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

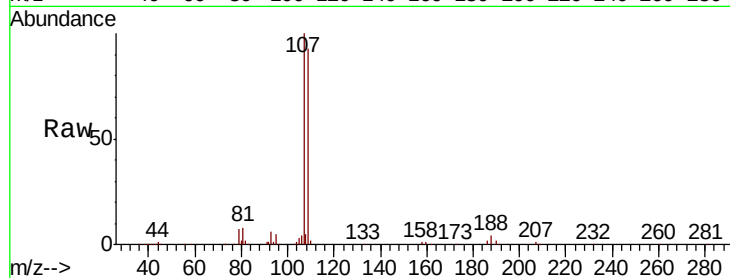
Tot Ion: 107 Resp: 234393

Ion Ratio Lower Upper

107 100

109 94.0 75.5 113.3

Manual Integrations
APPROVED



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.99

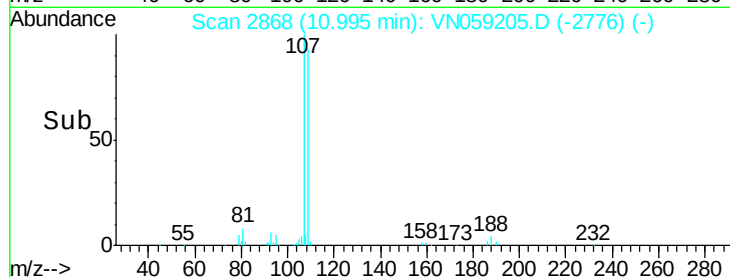
150000

100000

50000

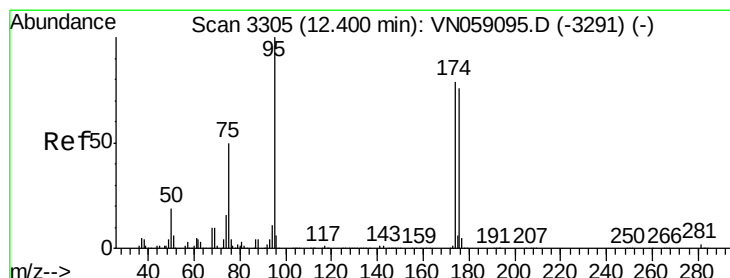
0

Time-->



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11/14/2019 10:00:06 AM



#62

4-Bromofluorobenzene

Concen: 51.016 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

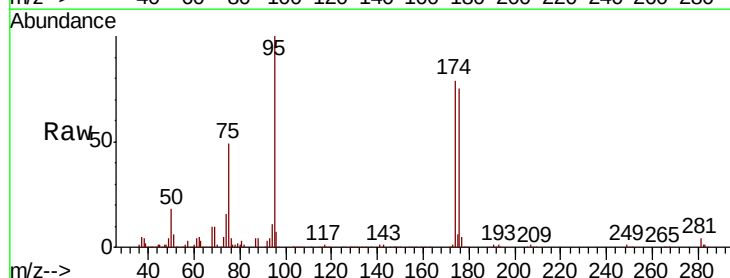
Tgt Ion: 95 Resp: 274654

Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.2

176 75.7 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

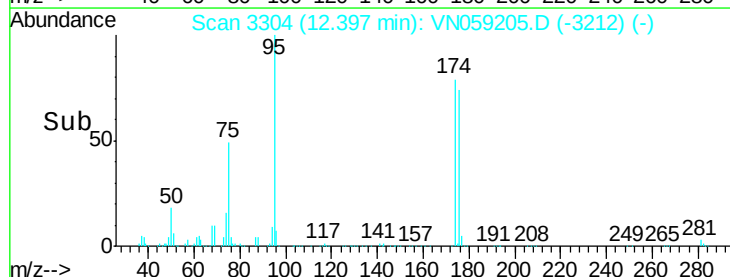
150000

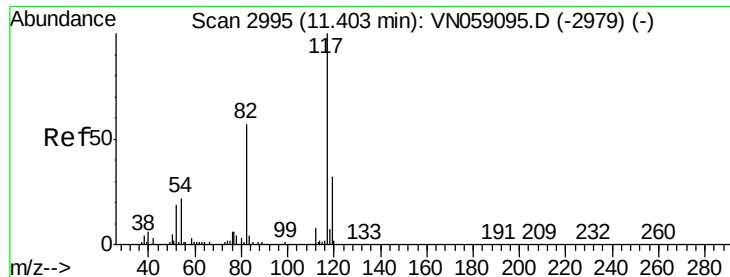
100000

50000

0

Time-->



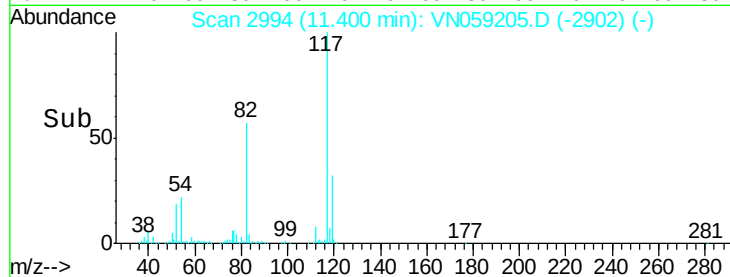
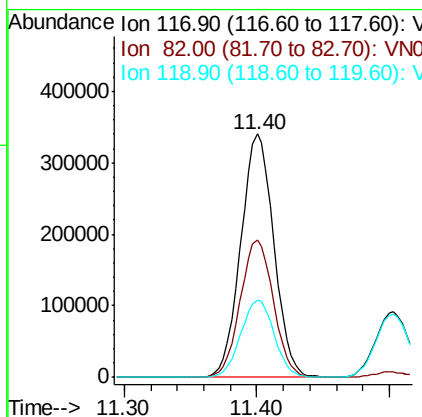
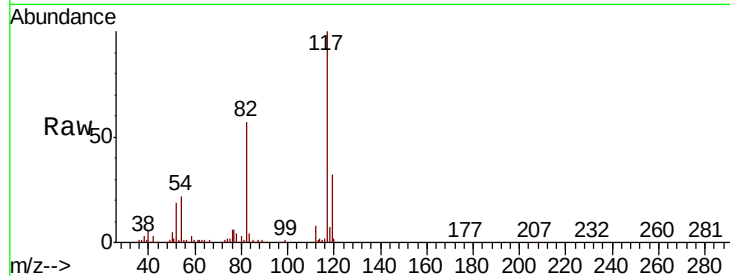


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

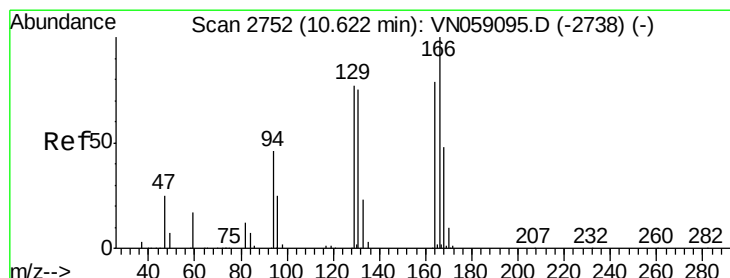
Tot Ion	Ratio	Resp	Lower	Upper
117	100	589451		
82	56.6		45.8	68.8
119	31.7		25.8	38.6

Manual Integrations
APPROVED



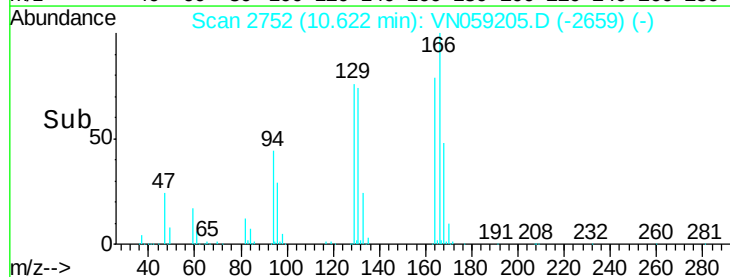
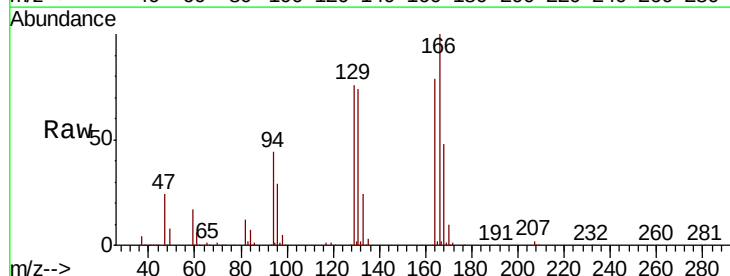
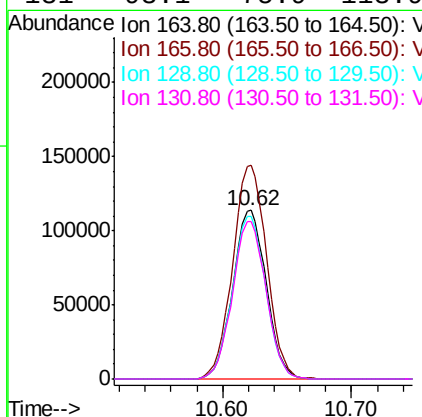
MMDadoda

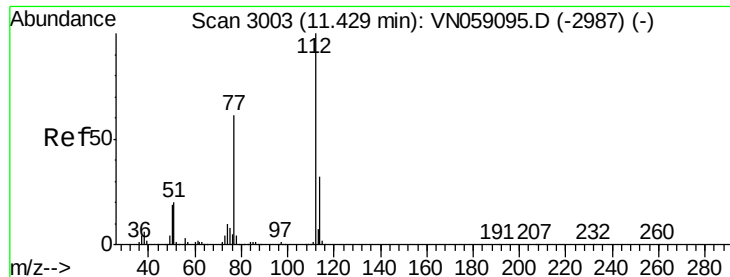
11/14/2019 10:00:06 AM



#64
Tetrachloroethene
Concen: 51.434 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	206156		
166	126.5		101.5	152.3
129	96.4		78.3	117.5
131	93.1		75.9	113.9



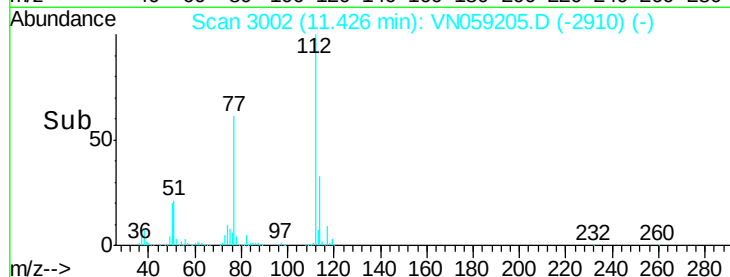
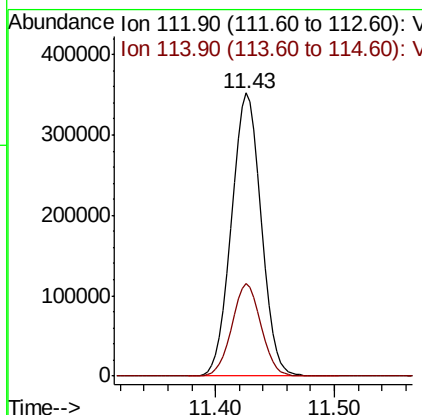
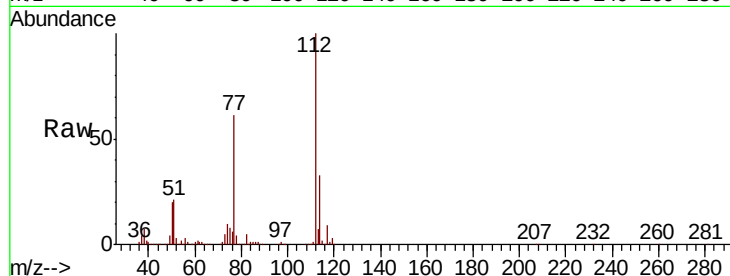


#65
Chlorobenzene
Concen: 53.090 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

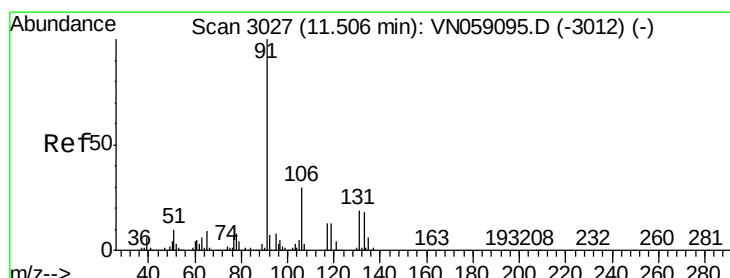
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.2	37.8

Manual Integrations
APPROVED



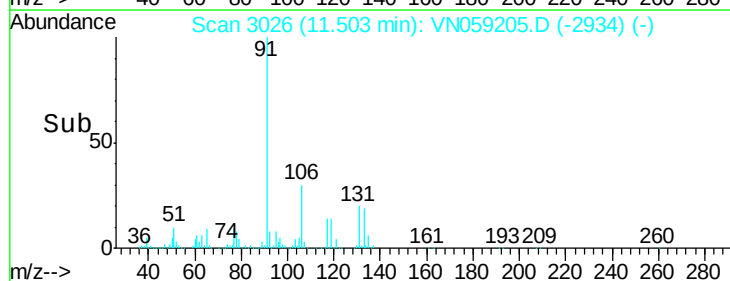
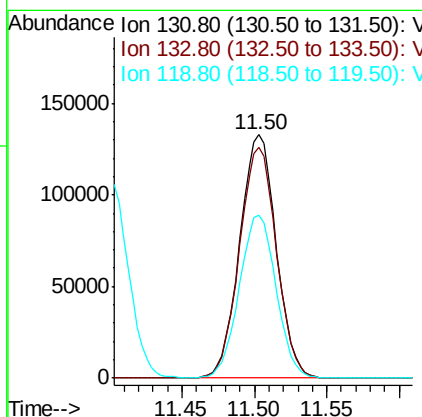
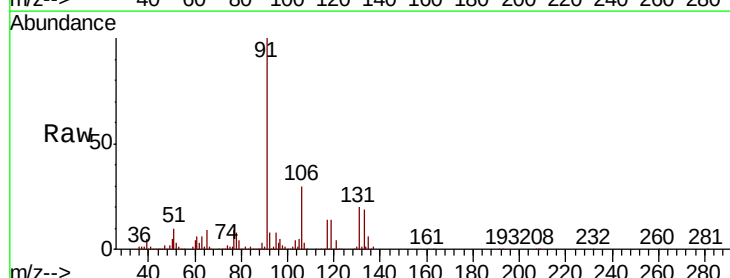
MMDadoda

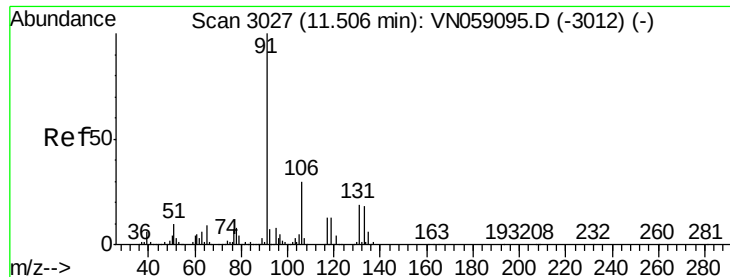
11/14/2019 10:00:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.059 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.4	142.3
119	67.5	33.2	99.6





#67

Ethyl Benzene

Concen: 54.030 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

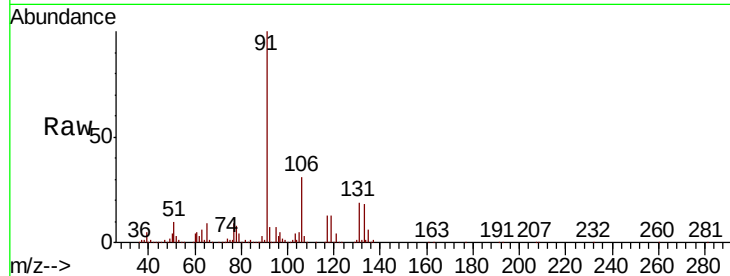
Tot Ion: 91 Resp: 1101521

Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN059205.D (-2934) (-)

Ion 106.00 (105.70 to 106.70): VN059205.D (-2934) (-)

1000000

800000

600000

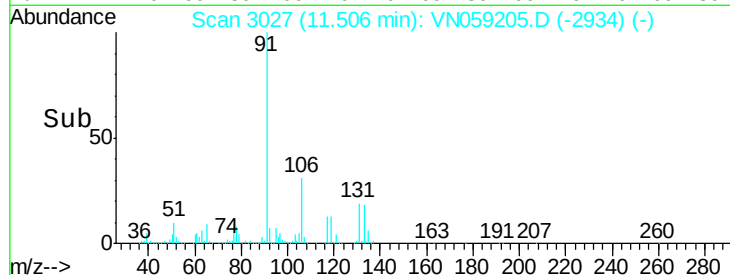
400000

200000

0

11.45 11.50 11.55

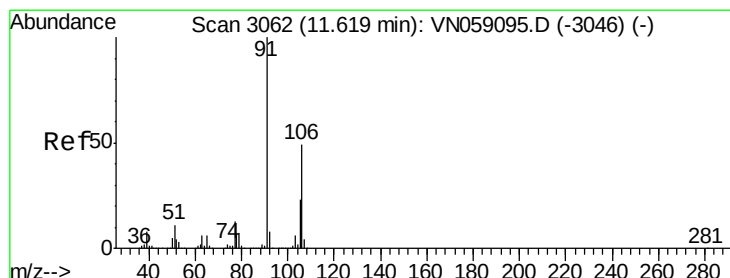
Time-->



Time-->

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11/14/2019 10:00:06 AM



#68

m/p-Xylenes

Concen: 109.293 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059205.D

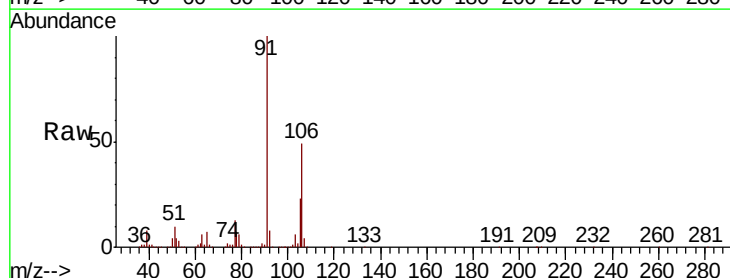
Acq: 13 Nov 2019 8:47

Tgt Ion: 106 Resp: 834649

Ion Ratio Lower Upper

106 100

91 204.9 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059205.D (-2969) (-)

Ion 91.00 (90.70 to 91.70): VN059205.D (-2969) (-)

1000000

800000

600000

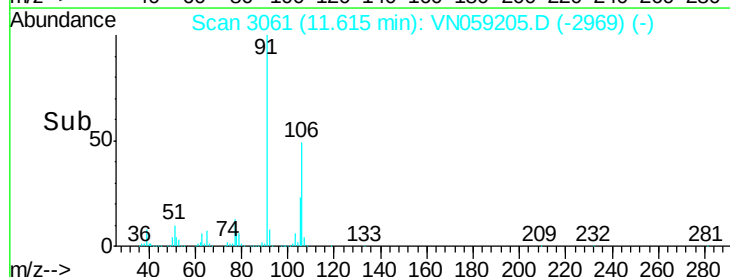
400000

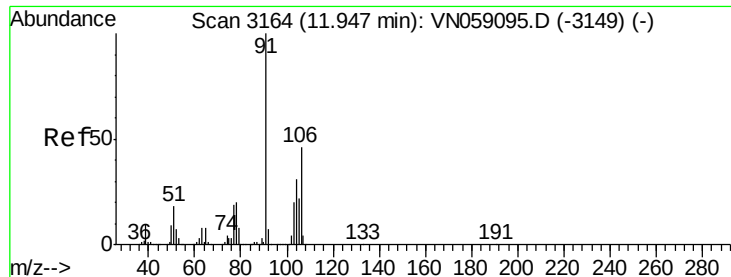
200000

0

11.50 11.60 11.70

Time-->



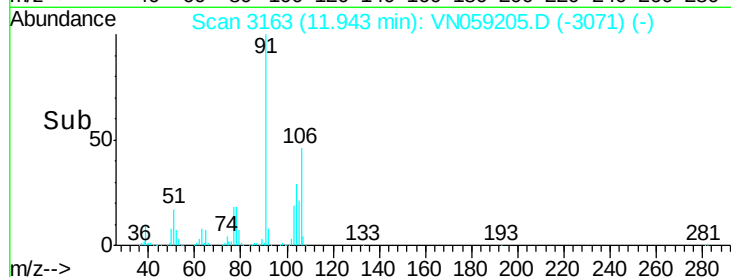
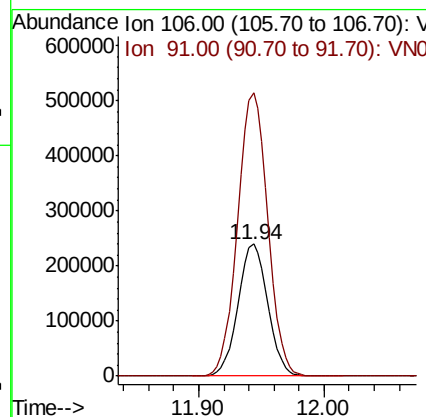
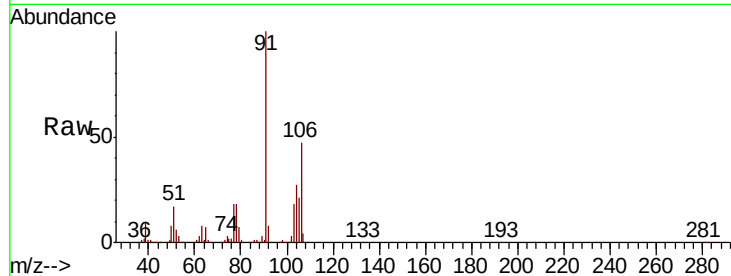


#69
o-Xylene
Concen: 53.399 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

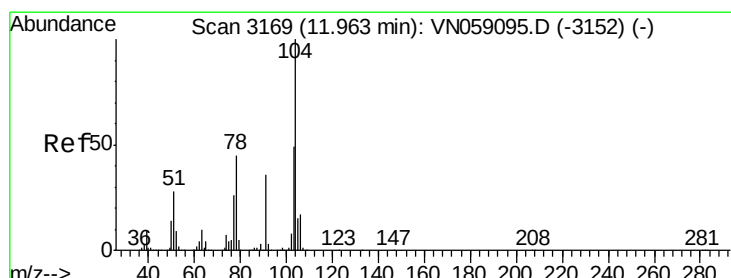
Tot Ion	Ratio	Lower	Upper
106	100		
91	218.1	110.1	330.3

Manual Integrations
APPROVED



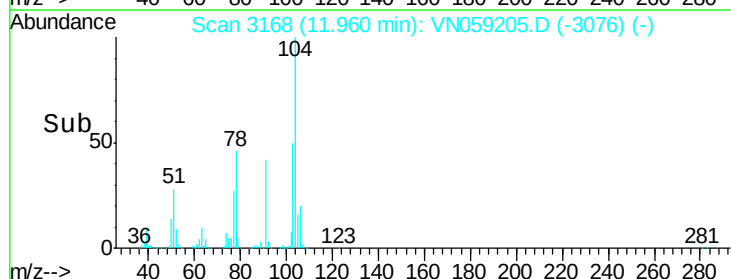
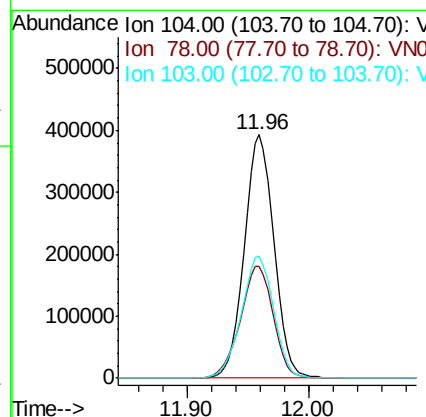
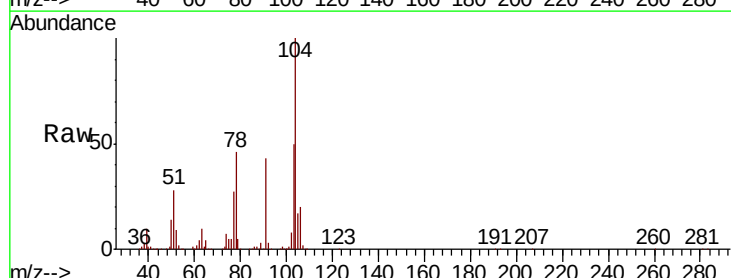
MMDadoda

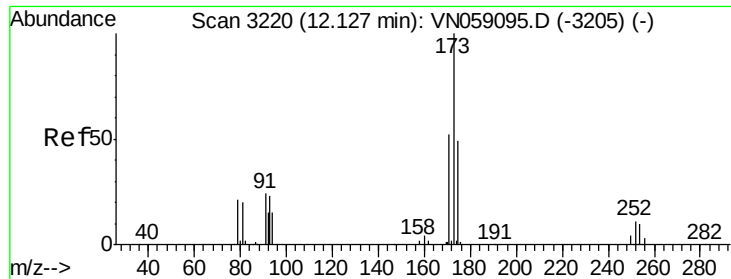
11/14/2019 10:00:06 AM



#70
Styrene
Concen: 56.612 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.2	61.8
103	54.9	43.8	65.6





#71

Bromoform

Concen: 53.557 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

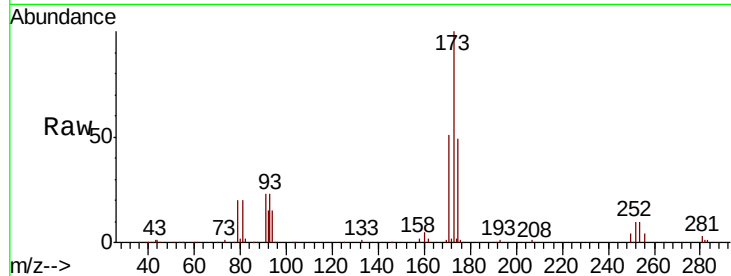
MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.0	0.1	0.1

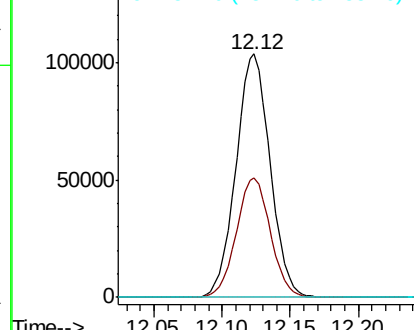
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V

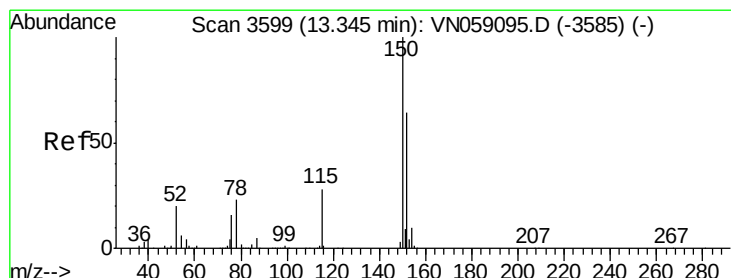
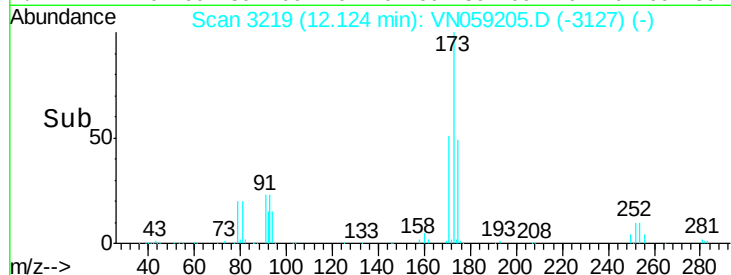
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

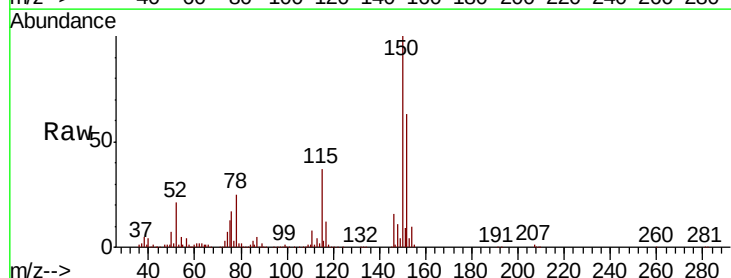
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

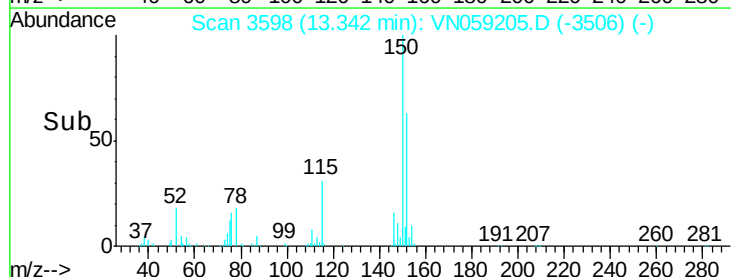
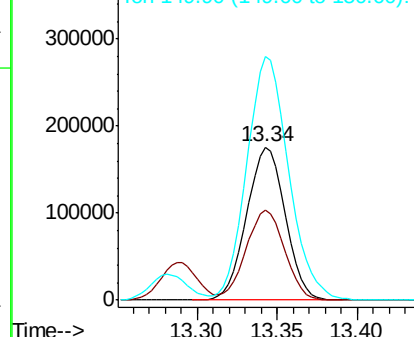
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.4	88.2
150	173.3	0.0	345.8

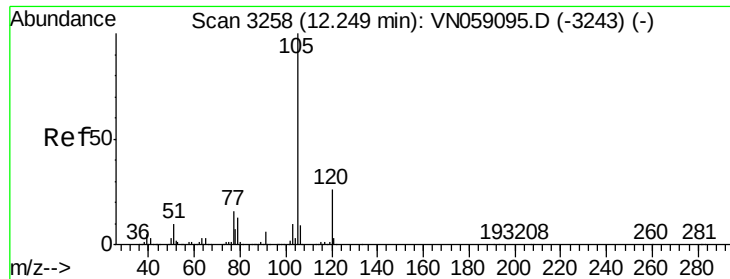


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



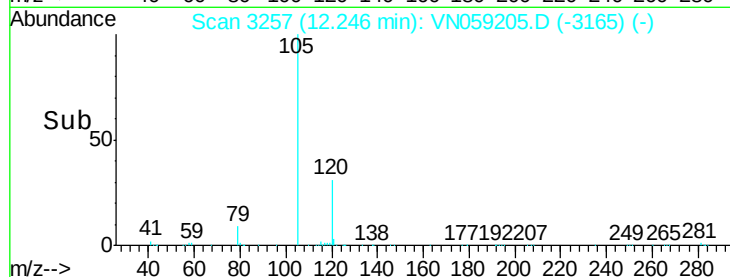
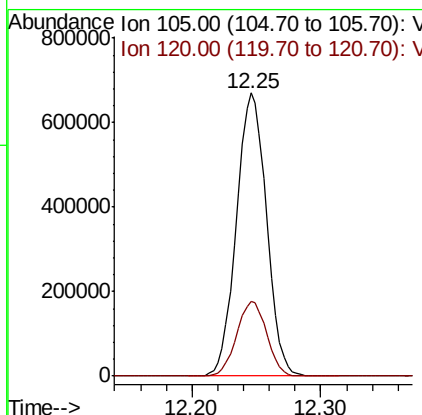
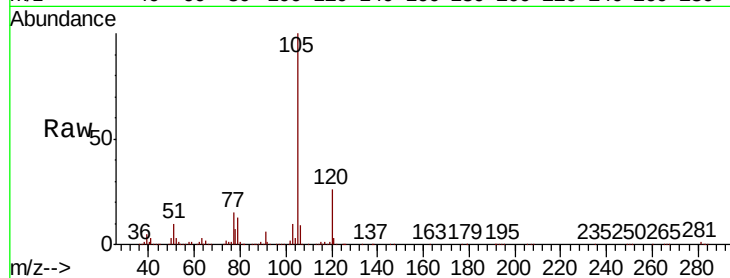


#73
Isopropylbenzene
Concen: 51.374 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

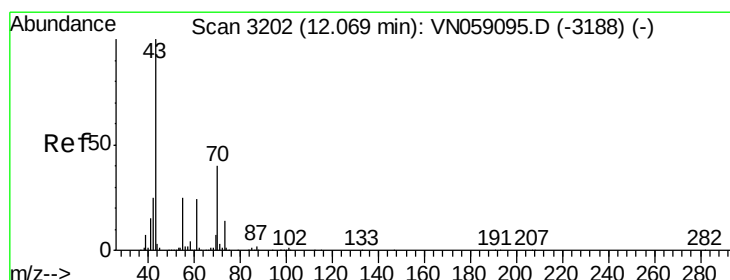
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.1	39.3

Manual Integrations
APPROVED



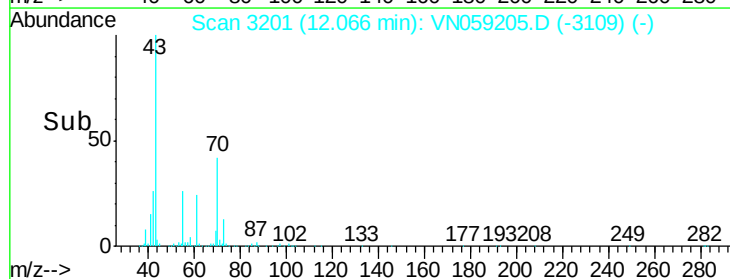
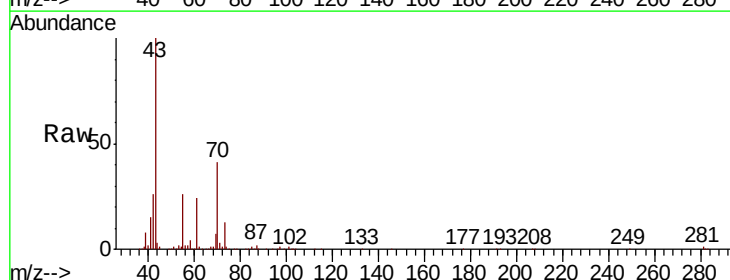
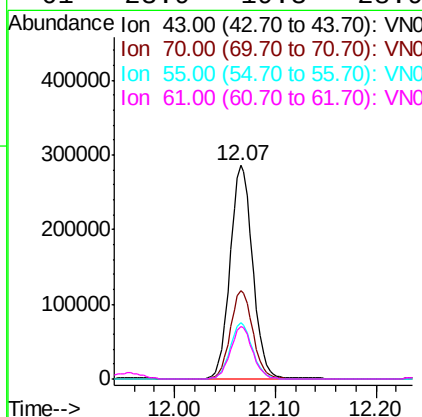
MMDadoda

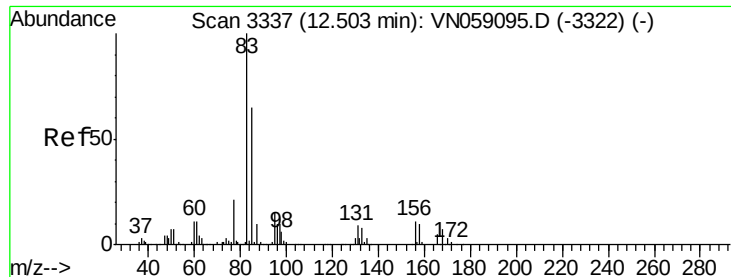
11/14/2019 10:00:06 AM



#74
N-ethyl acetate
Concen: 49.903 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.4	32.2	48.4
55	26.0	20.4	30.6
61	23.9	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.647 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

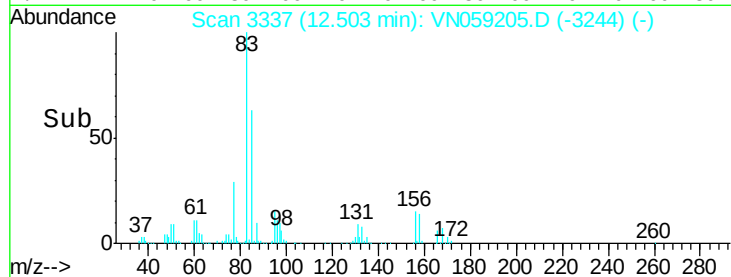
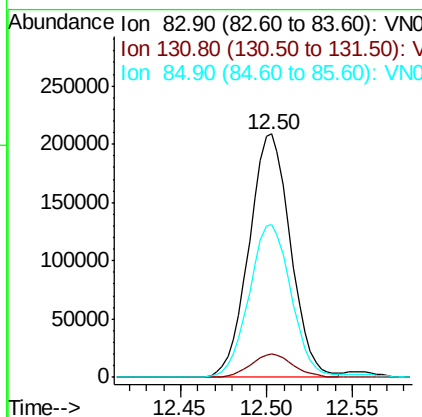
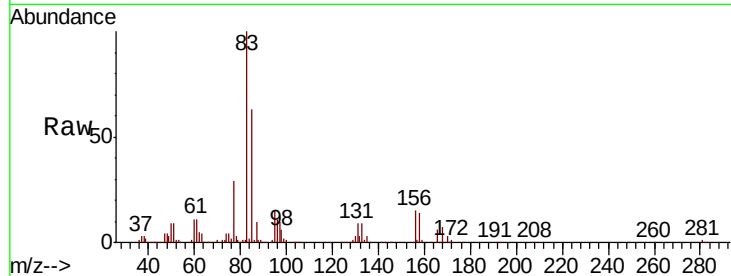
MSVOA_N

ClientSampleId :

VSTDCCC050

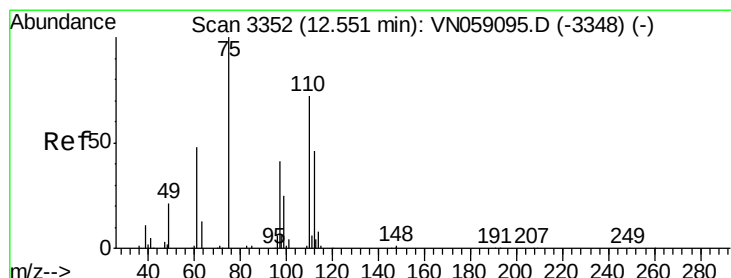
Tot Ion:	83	Resp:	349494
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.5	32.4	97.2

Manual Integrations
APPROVED



MMDadoda

11/14/2019 10:00:06 AM



#76

1,2,3-Trichloropropane

Concen: 47.753 ug/l m

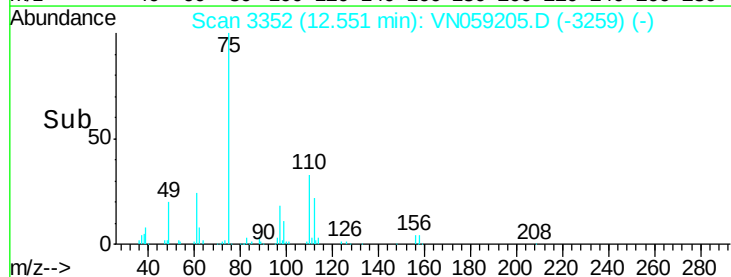
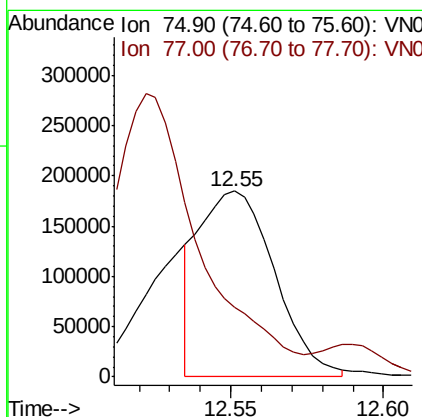
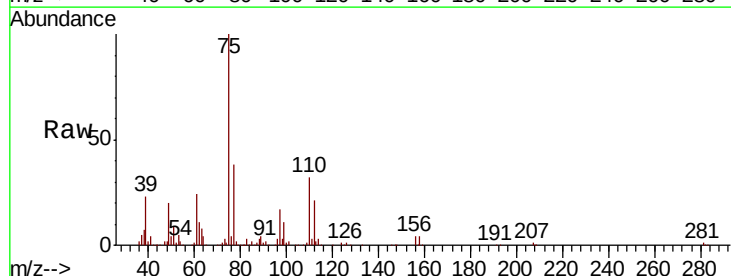
RT: 12.55 min Scan# 3352

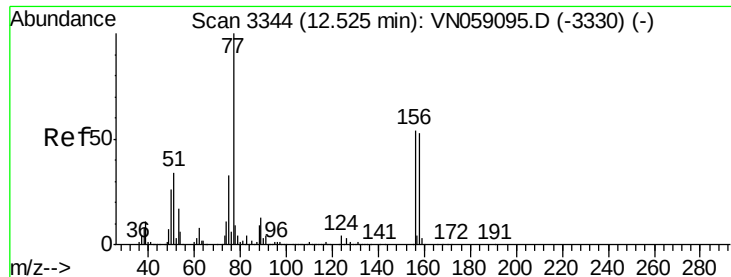
Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion:	75	Resp:	315304
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.916 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

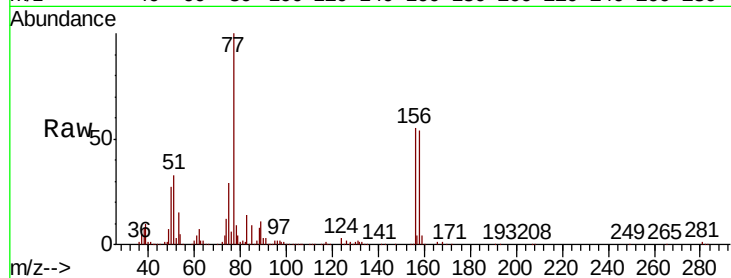
MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	264571
Ion Ratio	Lower	Upper	
156	100		
77	219.2	112.8	338.3
158	97.4	48.4	145.3

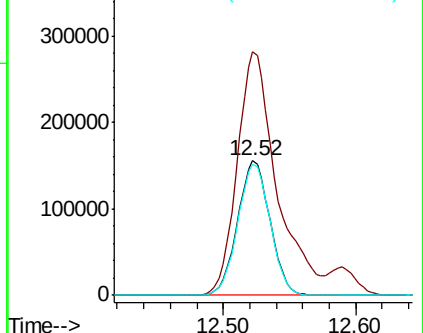
Manual Integrations
APPROVED



Abundance Ion 155.80 (155.50 to 156.50): V

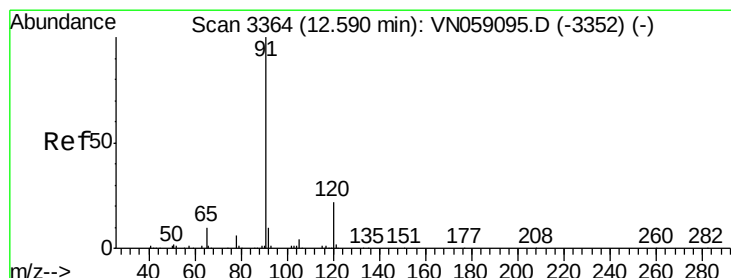
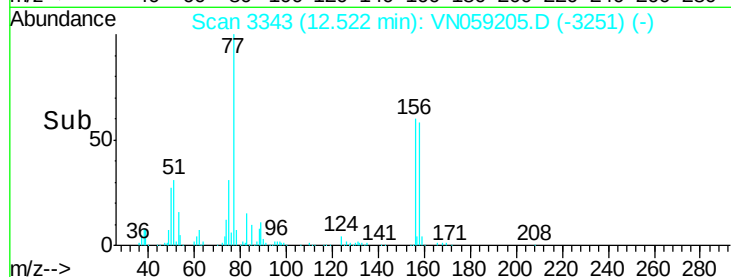
Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 53.207 ug/l

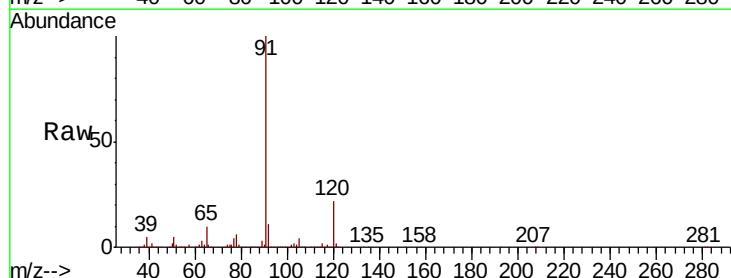
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059205.D

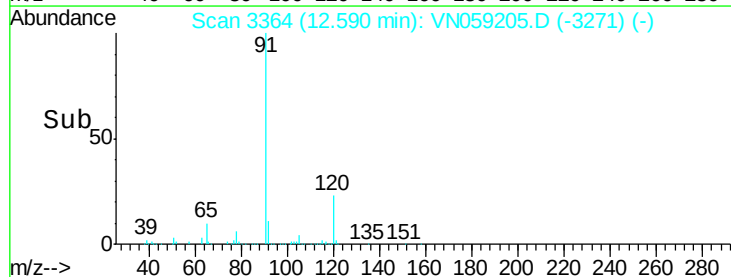
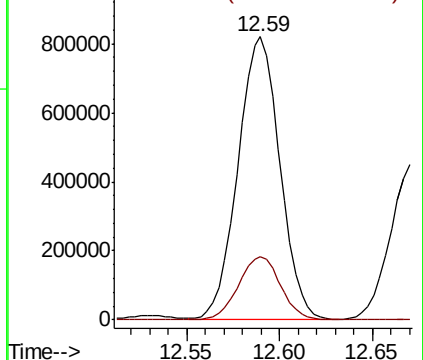
Acq: 13 Nov 2019 8:47

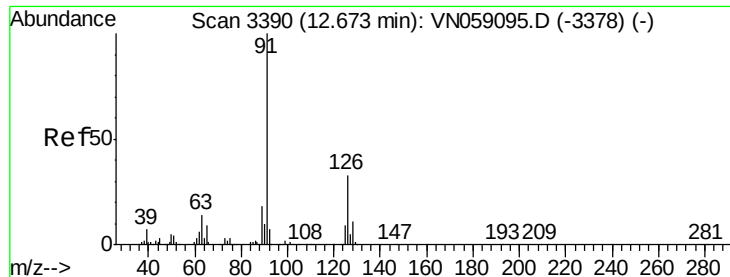
Tgt Ion:	91	Resp:	1285217
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.256 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

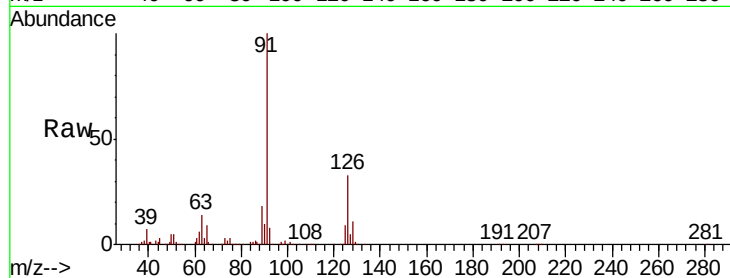
Tot Ion: 91 Resp: 753067

Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1

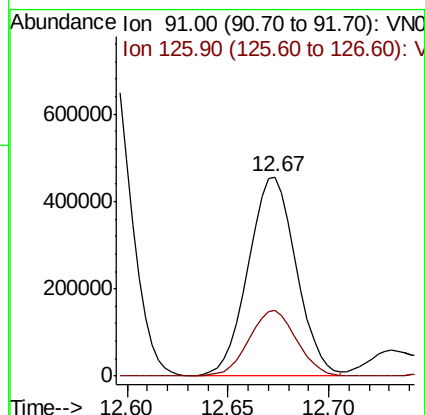
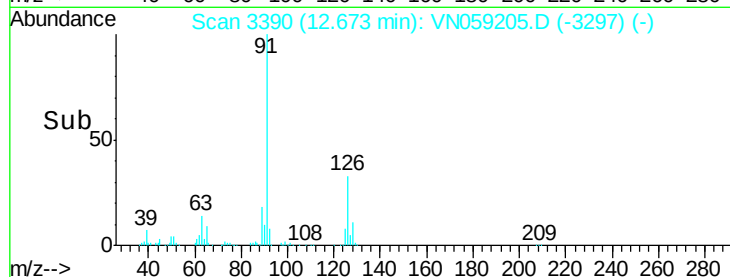
Manual Integrations
APPROVED



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

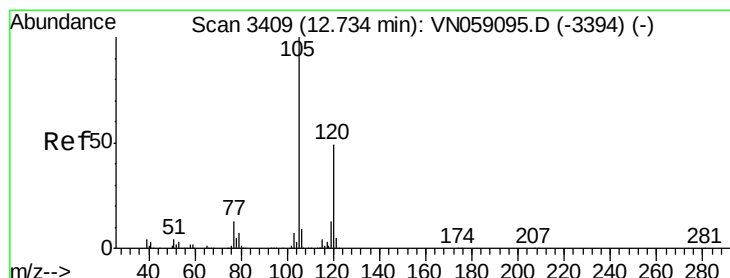
Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)

Time-->



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#80

1,3,5-Trimethylbenzene

Concen: 52.174 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059205.D

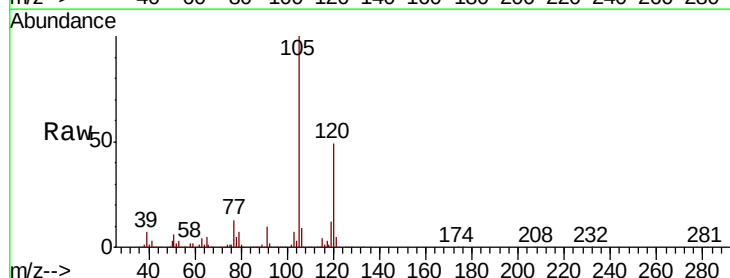
Acq: 13 Nov 2019 8:47

Tgt Ion: 105 Resp: 932656

Ion Ratio Lower Upper

105 100

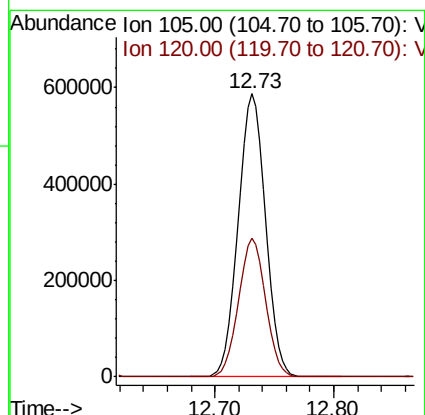
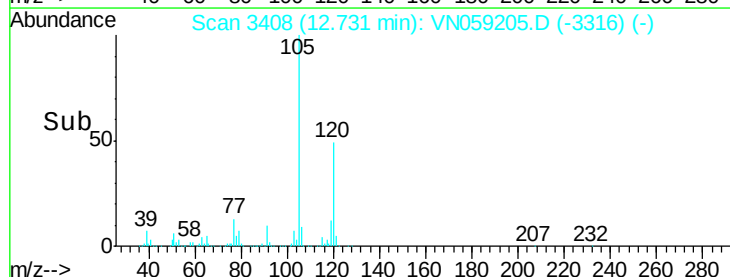
120 48.5 24.0 72.0

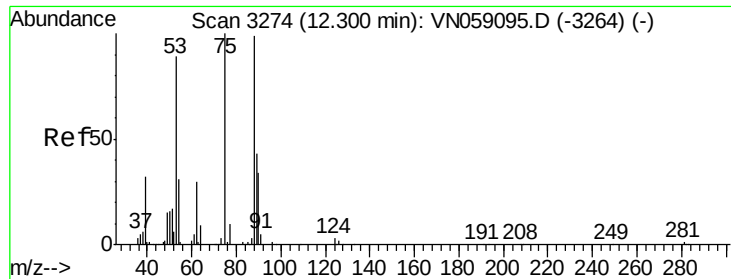


Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

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

Time-->



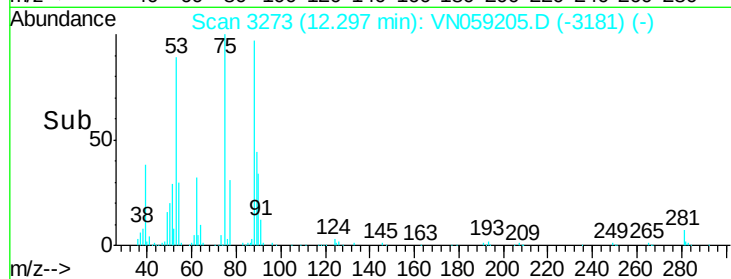
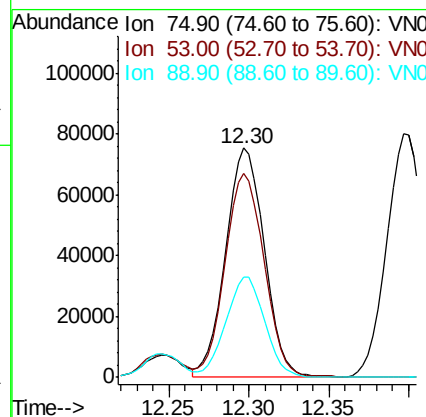
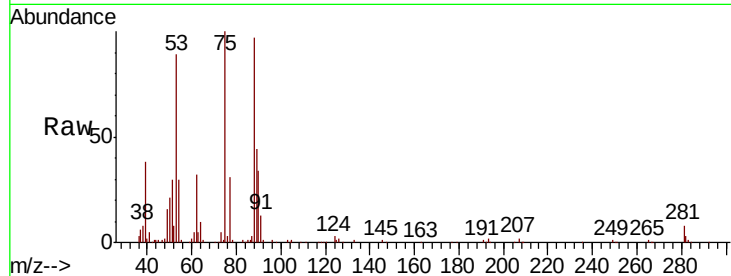


#81
trans-1,4-Dichloro-2-butene
Concen: 49.645 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

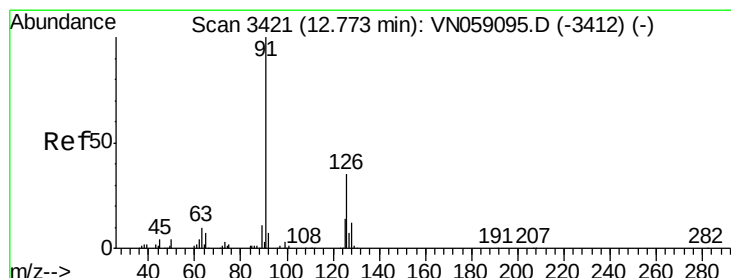
Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	72.2	108.2
89	44.2	35.8	53.8

Manual Integrations
APPROVED



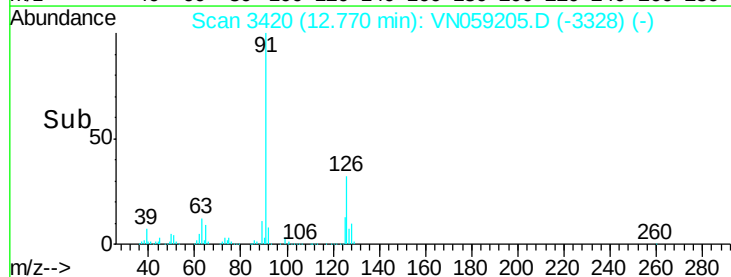
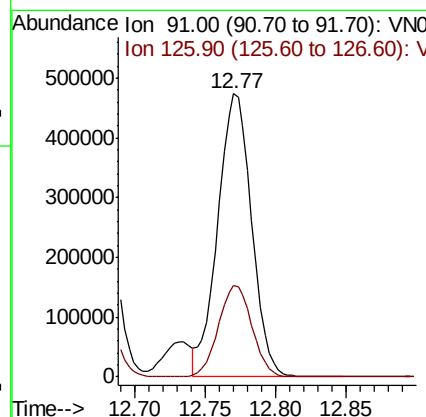
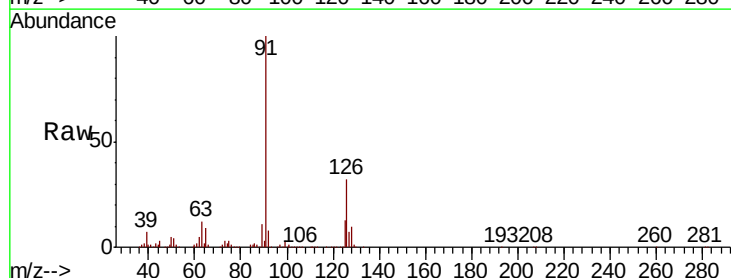
MMDadoda

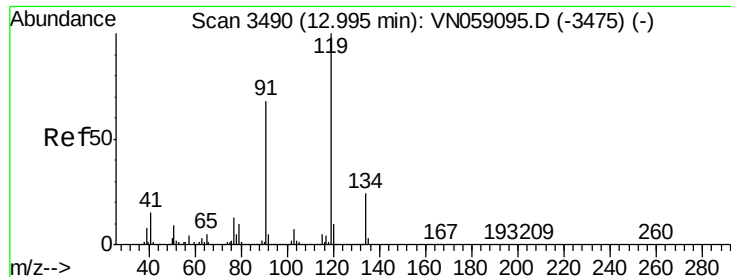
11/14/2019 10:00:06 AM



#82
4-Chlorotoluene
Concen: 52.338 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.1	48.2





#83

tert-Butylbenzene

Concen: 50.899 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

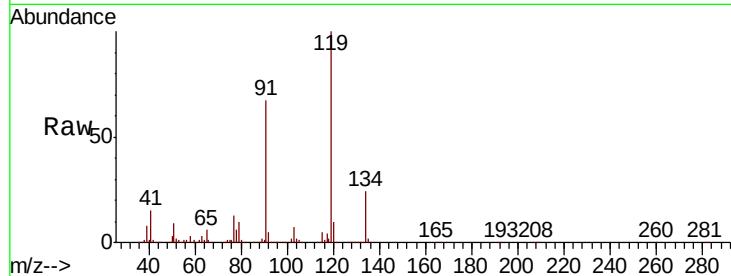
MSVOA_N

ClientSampled :

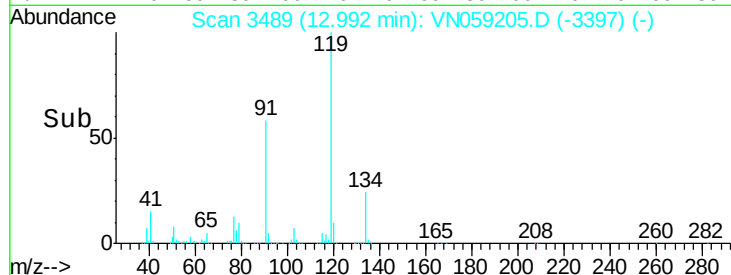
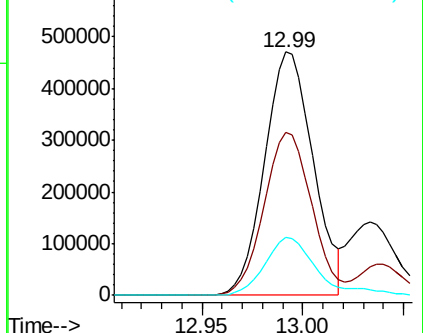
VSTDCCC050

Tot Ion:	119	Resp:	785738
Ion Ratio	Lower	Upper	
119	100		
91	65.9	33.2	99.6
134	25.4	12.7	38.1

Manual Integrations
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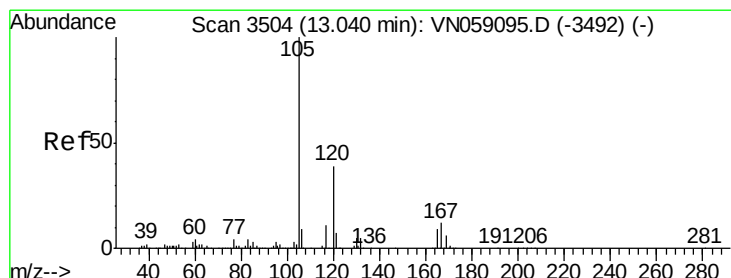


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



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#84

1,2,4-Trimethylbenzene

Concen: 53.510 ug/l

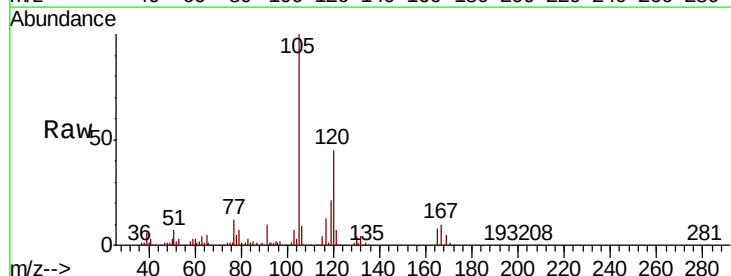
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

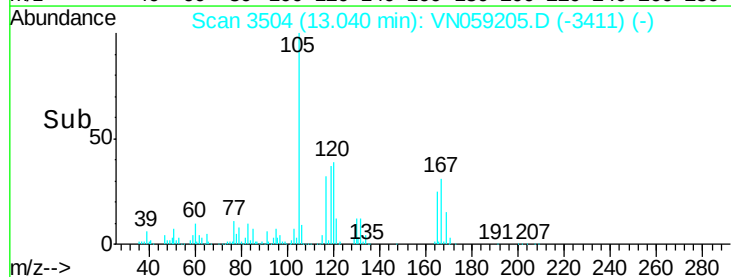
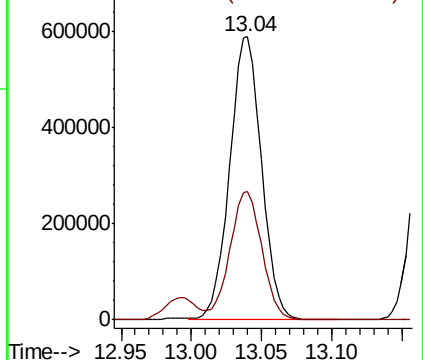
Lab File: VN059205.D

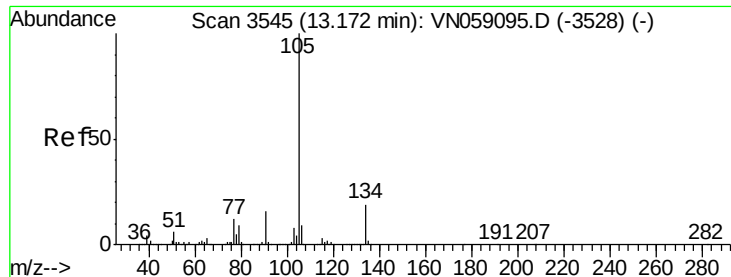
Acq: 13 Nov 2019 8:47

Tgt Ion:	105	Resp:	925445
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.485 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

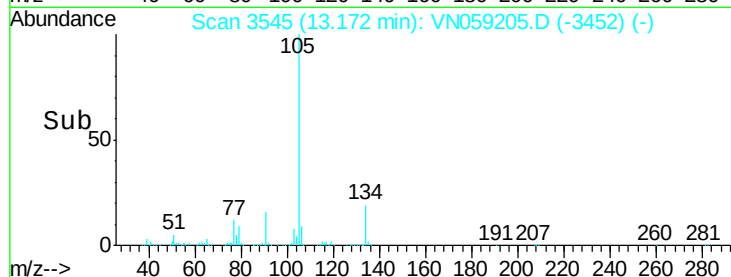
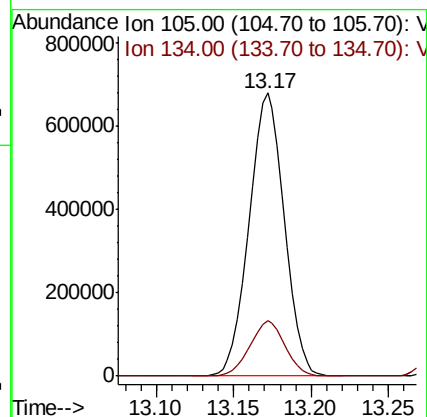
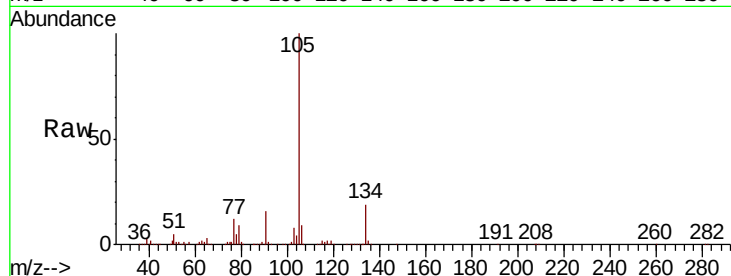
Tot Ion:105 Resp: 1073814

Ion Ratio Lower Upper

105 100

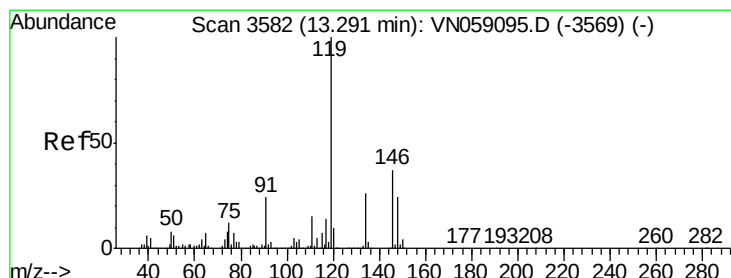
134 19.4 9.7 29.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 54.952 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

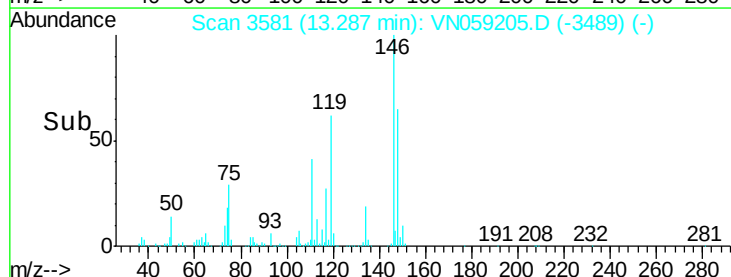
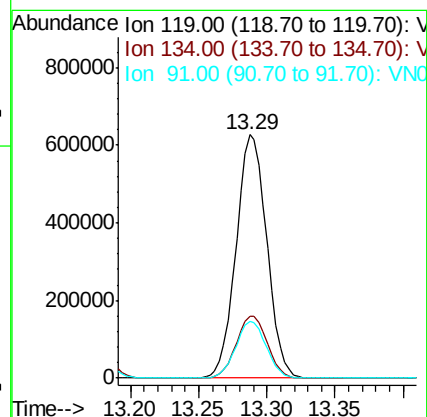
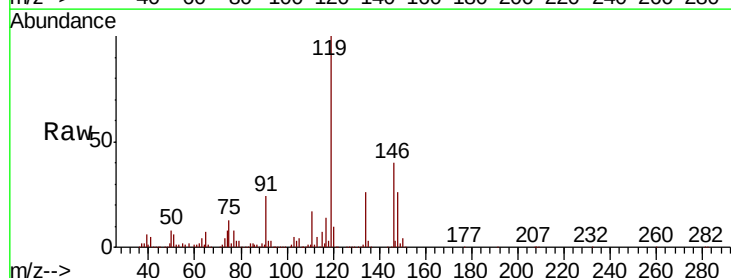
Tgt Ion:119 Resp: 974149

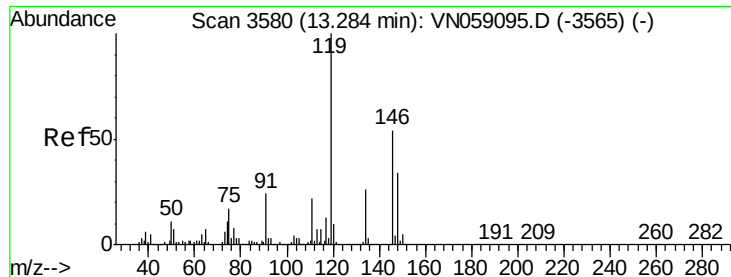
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 52.925 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

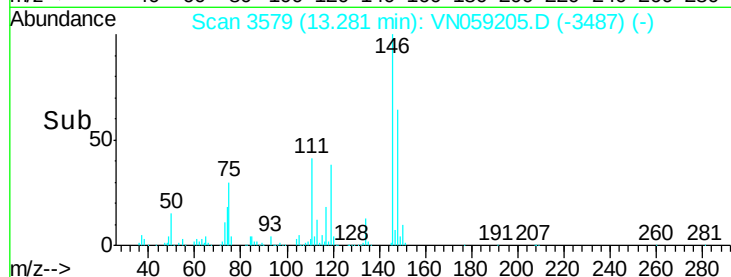
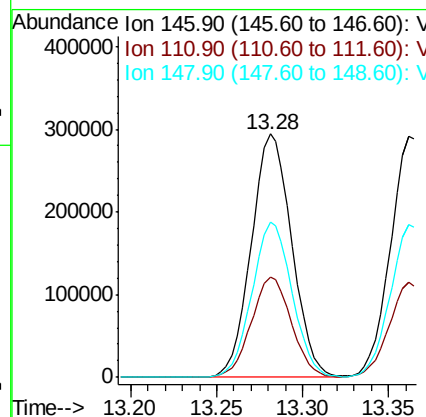
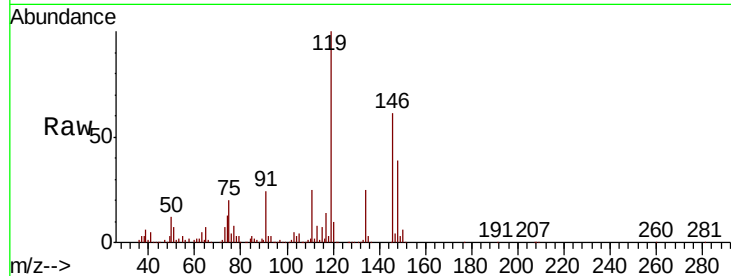
Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

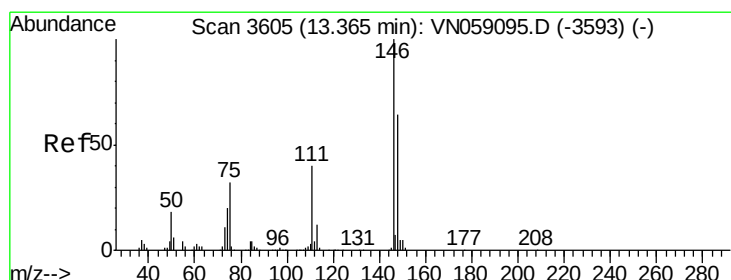
Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	40.8	20.4	61.3
148	63.2	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.990 ug/l

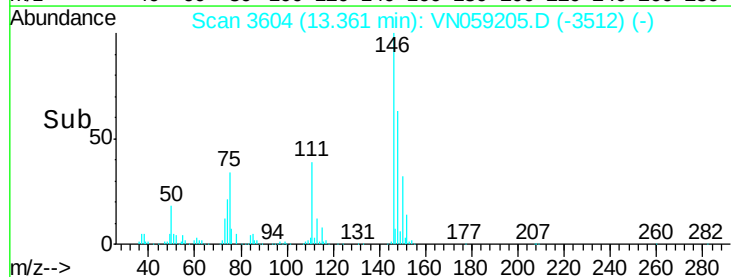
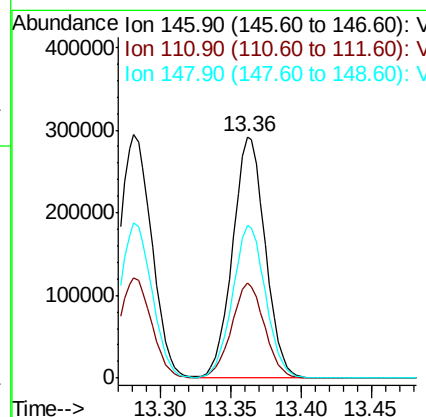
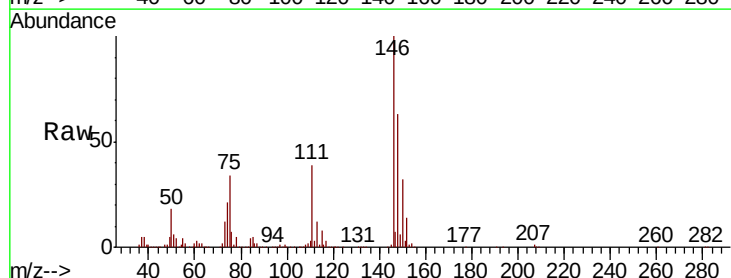
RT: 13.36 min Scan# 3604

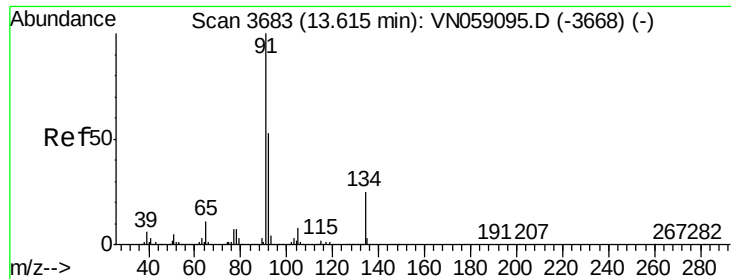
Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	39.6	20.3	60.9
148	63.9	31.9	95.7



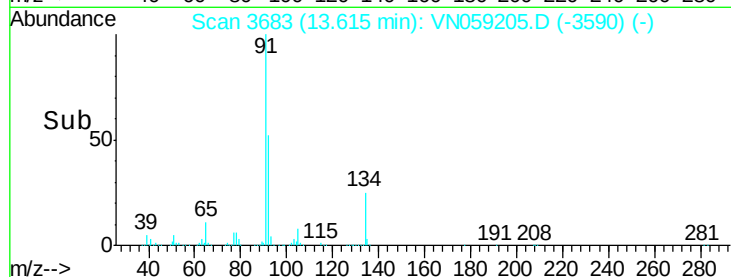
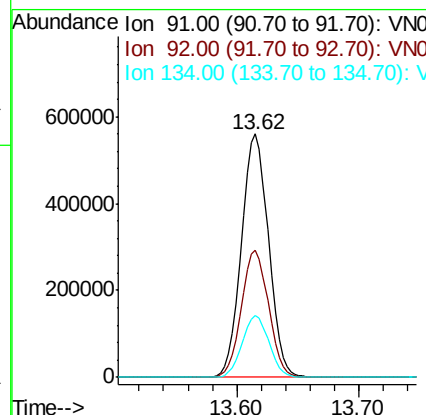
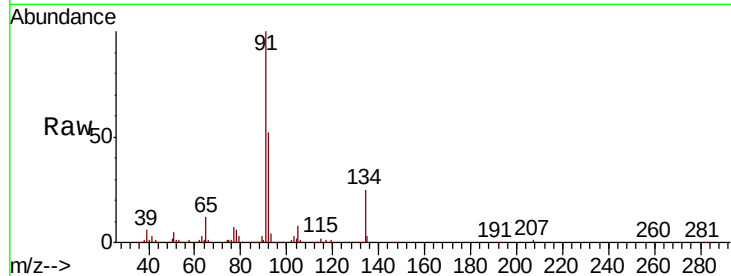


#89
n-Butylbenzene
Concen: 55.416 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

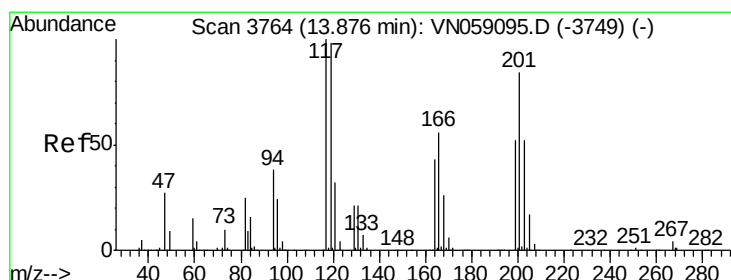
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.1	12.6	37.8

Manual Integrations
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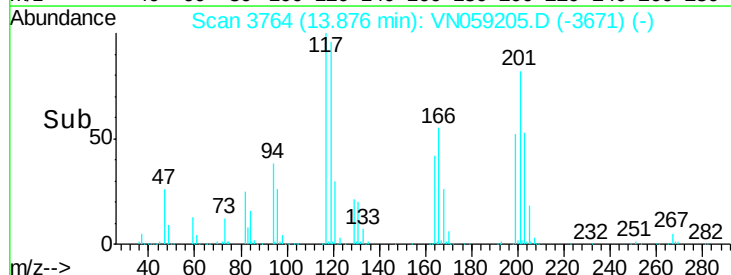
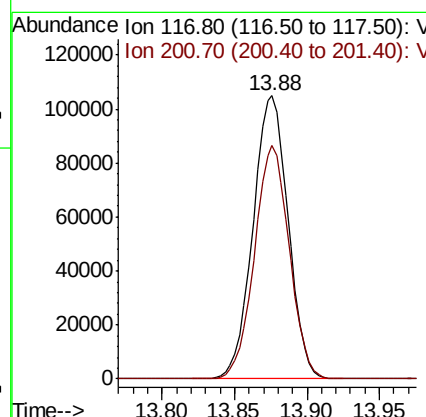
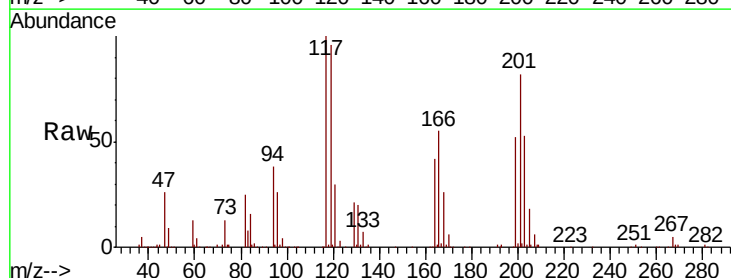
MMDadoda

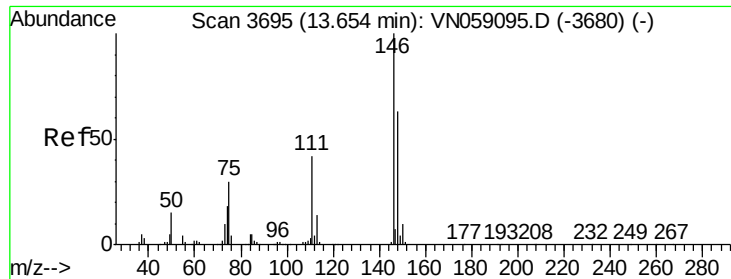
11/14/2019 10:00:06 AM



#90
Hexachloroethane
Concen: 49.852 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 52.153 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Instrument :

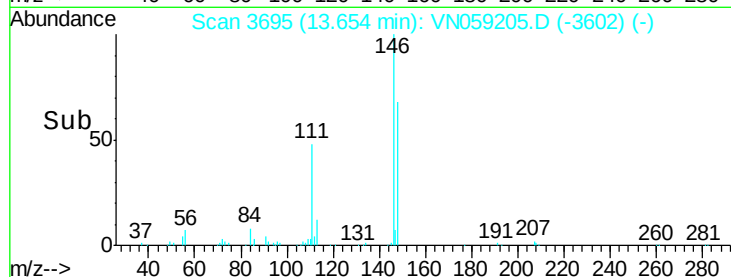
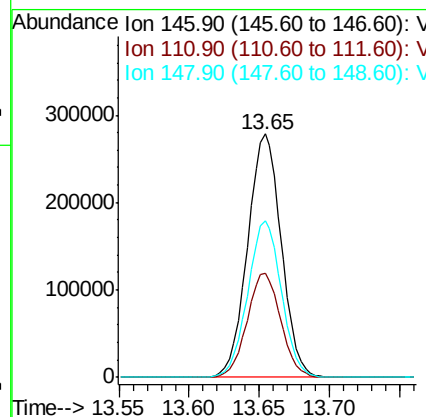
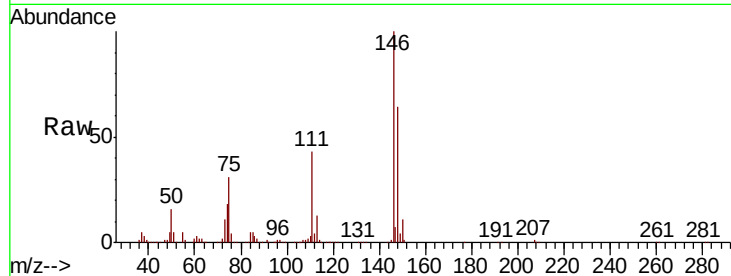
MSVOA_N

ClientSampled :

VSTDCCC050

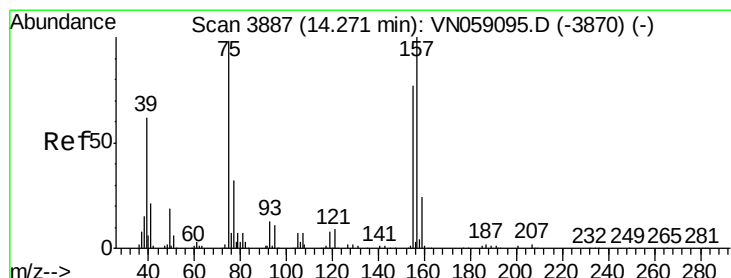
Tot Ion:	146	Resp:	465643
Ion Ratio		Lower	Upper
146	100		
111	42.7	21.2	63.6
148	64.3	31.6	94.7

Manual Integrations
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11/14/2019 10:00:06 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.447 ug/l

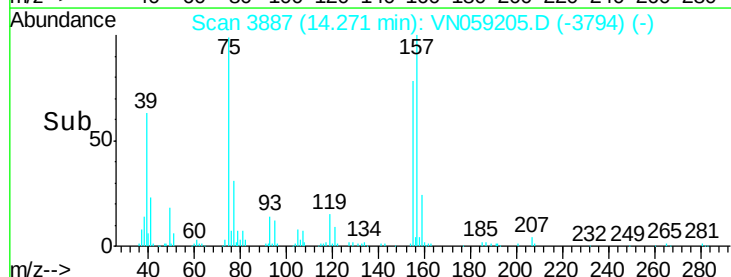
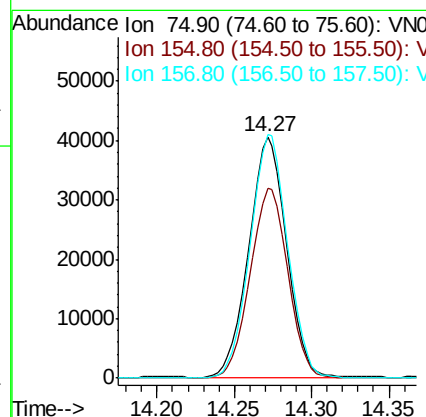
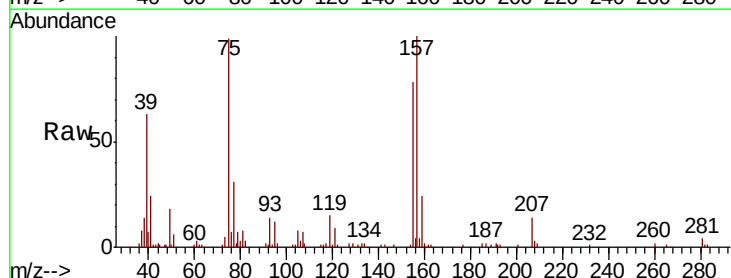
RT: 14.27 min Scan# 3887

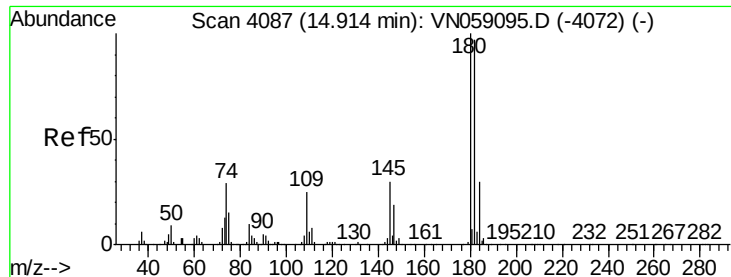
Delta R.T. 0.00 min

Lab File: VN059205.D

Acq: 13 Nov 2019 8:47

Tgt Ion:	75	Resp:	69439
Ion Ratio		Lower	Upper
75	100		
155	78.0	40.2	120.6
157	99.7	51.8	155.5



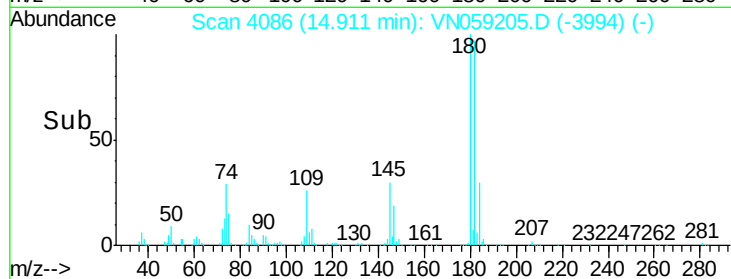
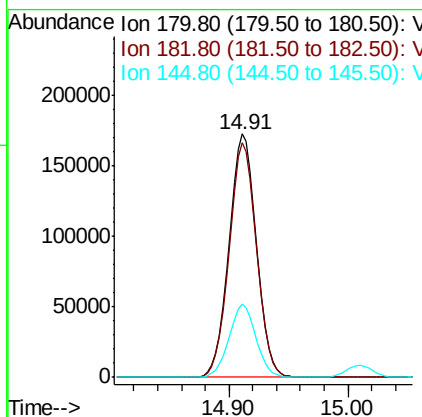
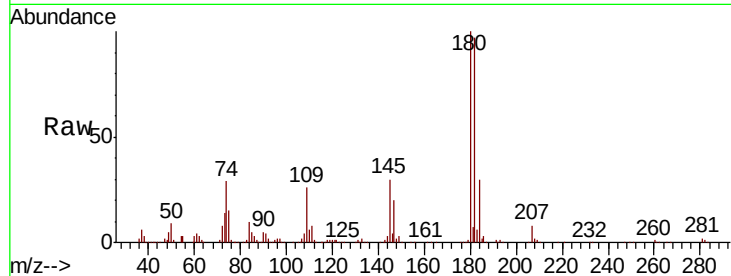


#93
1,2,4-Trichlorobenzene
Concen: 50.704 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

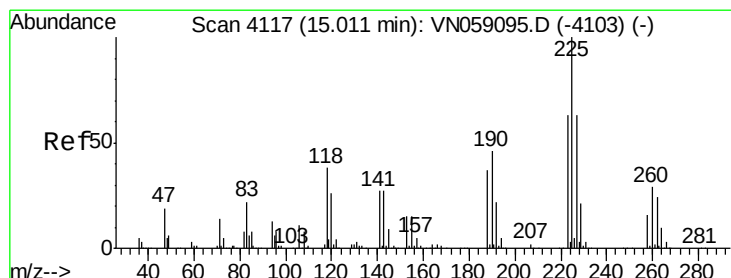
Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.9	48.1	144.3
145	29.6	15.1	45.3

Manual Integrations
APPROVED



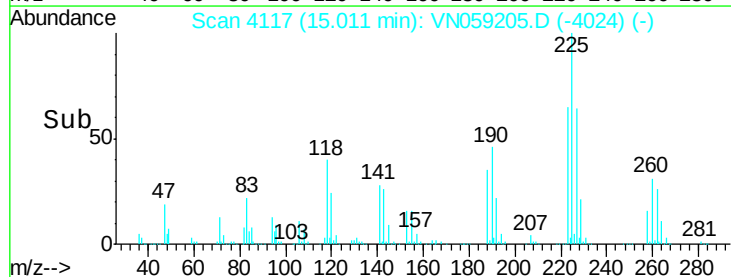
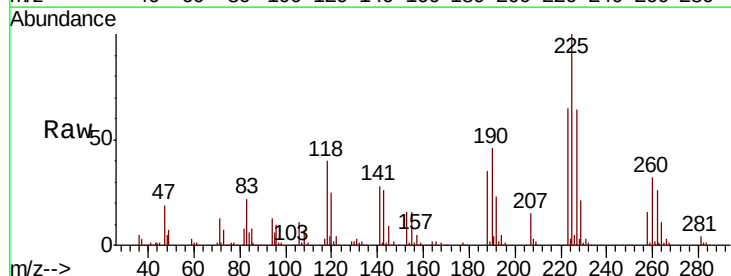
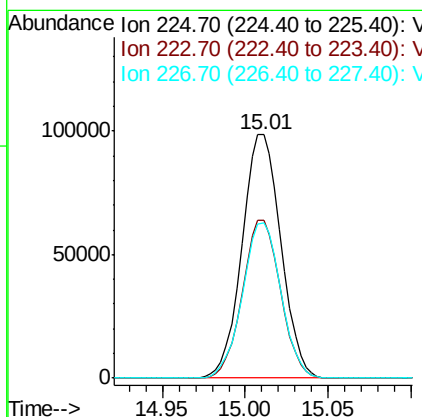
MMDadoda

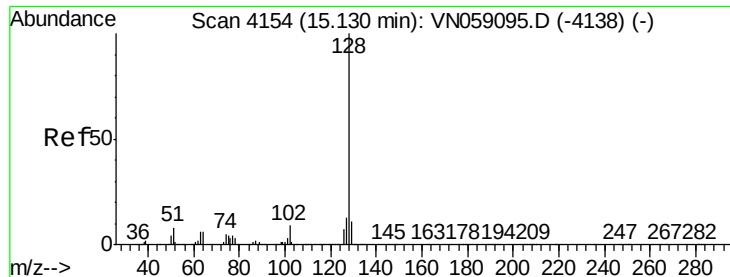
11/14/2019 10:00:06 AM



#94
Hexachlorobutadiene
Concen: 52.144 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	63.6	31.3	93.9
227	63.2	31.5	94.5



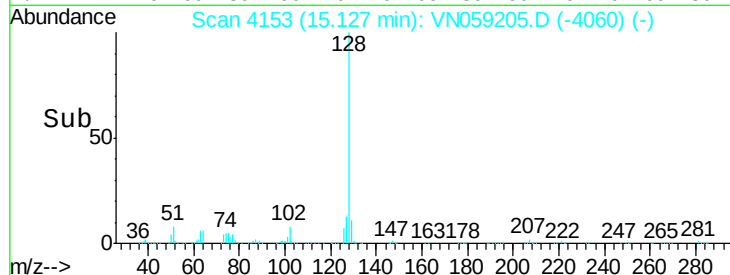
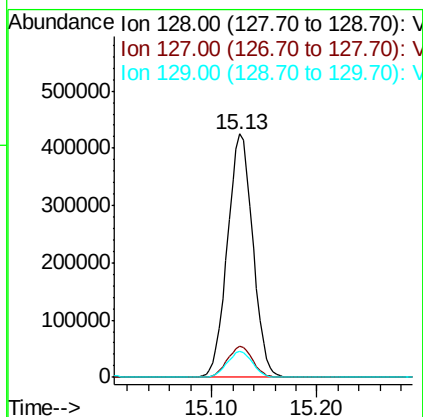
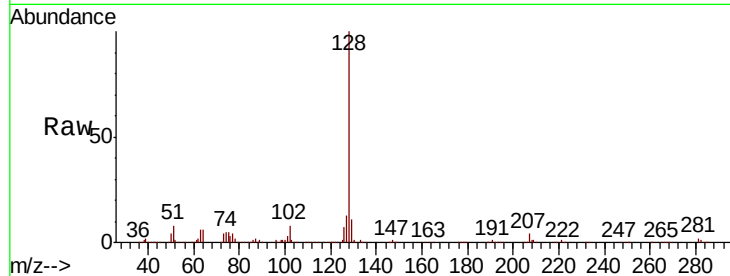


#95
Naphthalene
Concen: 47.240 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

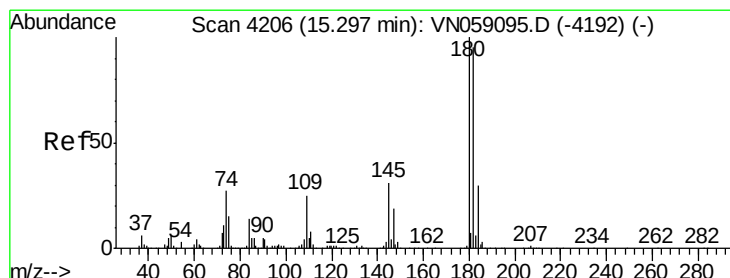
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED



MMDadoda

11/14/2019 10:00:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.979 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059205.D
Acq: 13 Nov 2019 8:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.8
145	32.1	15.8	47.3

