

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059081.D
 Acq On : 4 Nov 2019 14:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 2:00:15 PM

Quant Time: Nov 05 03:14:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	476604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	745084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	685345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	336554	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	307332	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	7.56	113	234301	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.08	98	937780	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.40	95	347953	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	249489	48.416	ug/l	99
3) Chloromethane	2.04	50	329502	47.158	ug/l	97
4) Vinyl Chloride	2.17	62	331744	48.913	ug/l	99
5) Bromomethane	2.54	94	192176	47.927	ug/l	98
6) Chloroethane	2.68	64	198104	47.693	ug/l	99
7) Trichlorofluoromethane	3.00	101	399209	49.534	ug/l	99
8) Diethyl Ether	3.38	74	158497	50.359	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	232418	48.927	ug/l	99
10) Methyl Iodide	3.92	142	299268	51.832	ug/l	99
11) Tert butyl alcohol	4.75	59	273224	233.882	ug/l	100
12) 1,1-Dichloroethene	3.71	96	228403	48.347	ug/l	96
13) Acrolein	3.58	56	167668	227.458	ug/l	98
14) Allyl chloride	4.29	41	465400m	49.715	ug/l	
15) Acrylonitrile	4.95	53	722478	246.537	ug/l	99
16) Acetone	3.78	43	814852	254.996	ug/l	100
17) Carbon Disulfide	4.02	76	709060	47.210	ug/l	99
18) Methyl Acetate	4.29	43	363688	44.925	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	808039	50.218	ug/l	99
20) Methylene Chloride	4.52	84	269879	48.243	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	253624	50.007	ug/l	99
22) Diisopropyl ether	5.92	45	929072	52.104	ug/l	100
23) Vinyl Acetate	5.86	43	3851994	271.230	ug/l	99
24) 1,1-Dichloroethane	5.82	63	500994	49.144	ug/l	99
25) 2-Butanone	6.80	43	1058294	248.717	ug/l	99
26) 2,2-Dichloropropane	6.79	77	434513	49.106	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	291446	51.034	ug/l	99
28) Bromochloromethane	7.17	49	152784	48.560	ug/l	99
29) Tetrahydrofuran	7.18	42	656040	244.303	ug/l	100
30) Chloroform	7.34	83	482435	49.489	ug/l	99
31) Cyclohexane	7.63	56	463324	47.649	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	414018	50.198	ug/l	99
36) 1,1-Dichloropropene	7.77	75	379258	51.215	ug/l	99
37) Ethyl Acetate	6.90	43	407586	49.537	ug/l	99
38) Carbon Tetrachloride	7.75	117	366415	50.771	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	442711	51.722	ug/l	99
40) Benzene	8.02	78	1116800	50.818	ug/l	99
41) Methacrylonitrile	7.14	41	165235m	46.442	ug/l	
42) 1,2-Dichloroethane	8.10	62	389833	51.076	ug/l	99
43) Isopropyl Acetate	8.14	43	648167	50.374	ug/l	99
44) Trichloroethene	8.82	130	273105	50.508	ug/l	99
45) 1,2-Dichloropropane	9.10	63	306998	51.653	ug/l	99
46) Dibromomethane	9.19	93	187290	50.986	ug/l	99
47) Bromodichloromethane	9.39	83	384957	51.747	ug/l	100
48) Methyl methacrylate	9.18	41	294717	50.234	ug/l	99
49) 1,4-Dioxane	9.18	88	107559	1123.896	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1991970	266.495	ug/l	99
52) Toluene	10.14	92	680997	52.885	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	447349	52.004	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	484326	53.378	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	267124	50.924	ug/l	99
56) Ethyl methacrylate	10.42	69	431741	48.572	ug/l	100
57) 1,3-Dichloropropane	10.70	76	471037	51.634	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	882418	255.356	ug/l	100
59) 2-Hexanone	10.74	43	1535737	270.447	ug/l	99
60) Dibromochloromethane	10.90	129	291948	51.644	ug/l	99
61) 1,2-Dibromoethane	11.00	107	274605	51.675	ug/l	100
64) Tetrachloroethene	10.62	164	246634	51.517	ug/l	99
65) Chlorobenzene	11.43	112	723591	51.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	264869	51.181	ug/l	99
67) Ethyl Benzene	11.51	91	1323876	54.369	ug/l	100
68) m/p-Xylenes	11.62	106	986018	108.443	ug/l	100
69) o-Xylene	11.95	106	465813	53.650	ug/l	100
70) Styrene	11.96	104	790179	56.160	ug/l	99
71) Bromoform	12.13	173	211498	52.800	ug/l	# 99
73) Isopropylbenzene	12.25	105	1273991	51.455	ug/l	100
74) N-amyl acetate	12.07	43	554375	50.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	410537	46.547	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	367459m	46.139	ug/l	
77) Bromobenzene	12.53	156	307871	49.730	ug/l	98
78) n-propylbenzene	12.59	91	1510751	52.683	ug/l	100
79) 2-Chlorotoluene	12.68	91	883501	49.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1089169	51.760	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	150736	48.519	ug/l	99
82) 4-Chlorotoluene	12.77	91	925989	50.956	ug/l	99
83) tert-Butylbenzene	12.99	119	910103	50.913	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1082324	52.934	ug/l	99
85) sec-Butylbenzene	13.17	105	1237879	52.838	ug/l	100
86) p-Isopropyltoluene	13.29	119	1133313	53.657	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	551540	50.142	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	549912	50.541	ug/l	100
89) n-Butylbenzene	13.62	91	1022179	55.540	ug/l	99
90) Hexachloroethane	13.88	117	204442	48.693	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	536070	48.979	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81864	42.971	ug/l	98

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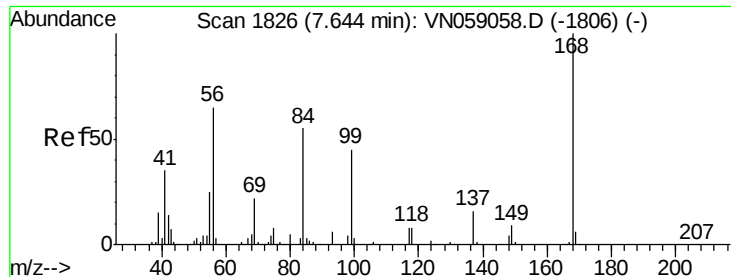
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	313605	53.124	ug/l	99
94) Hexachlorobutadiene	15.01	225	174470	49.244	ug/l	99
95) Naphthalene	15.13	128	856058	46.732	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	307790	51.230	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 476604

Ion Ratio Lower Upper

168 100

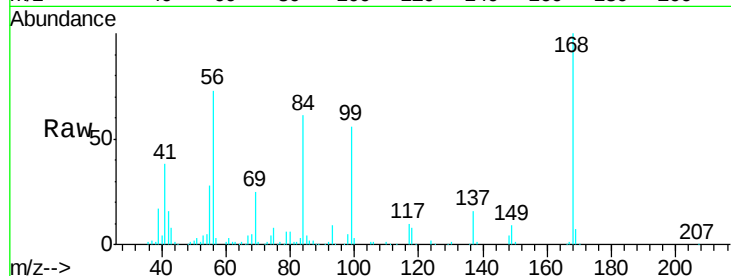
99 56.3 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

100000

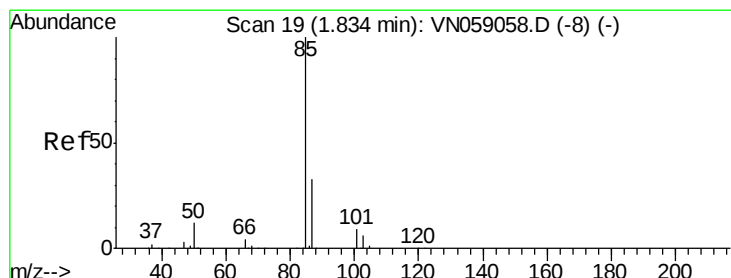
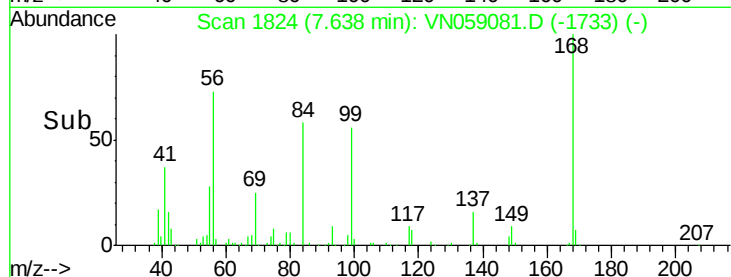
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.416 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059081.D

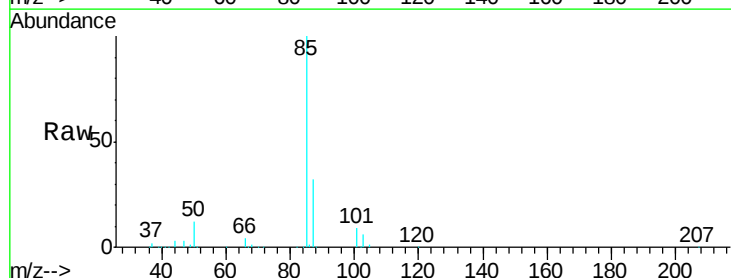
Acq: 4 Nov 2019 14:57

Tgt Ion: 85 Resp: 249489

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

100000

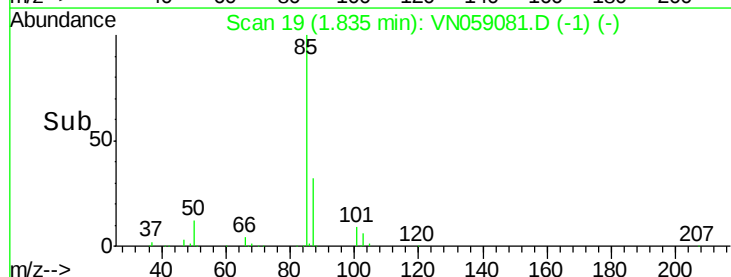
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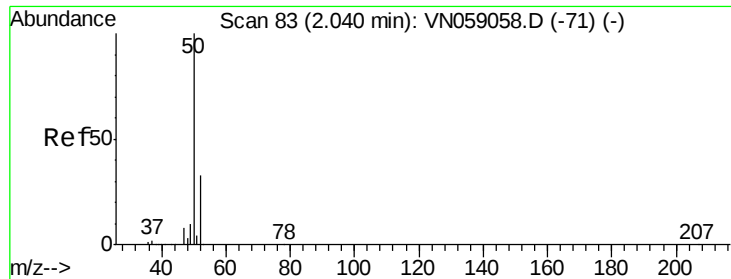
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 47.158 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 329502

Ion Ratio Lower Upper

50 100

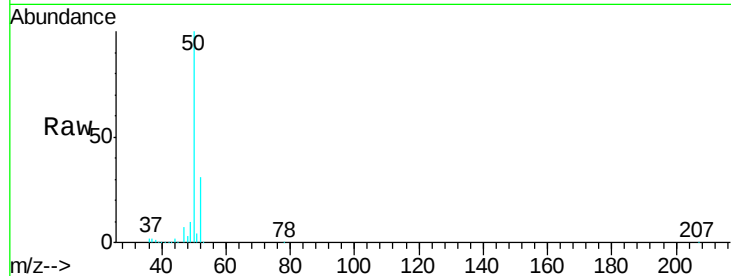
52 31.3 26.3 39.5

Manual Integrations

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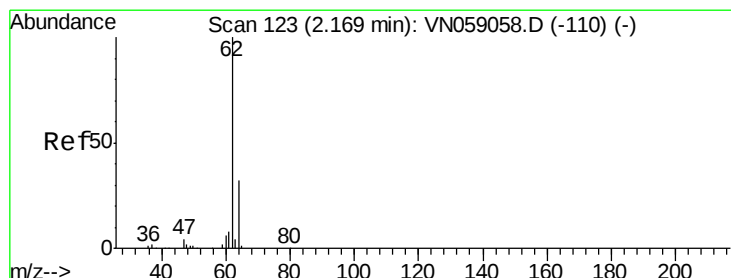
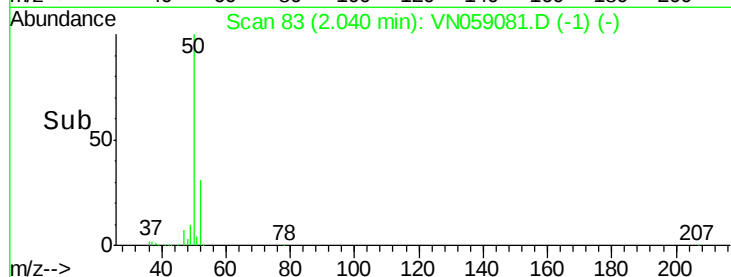
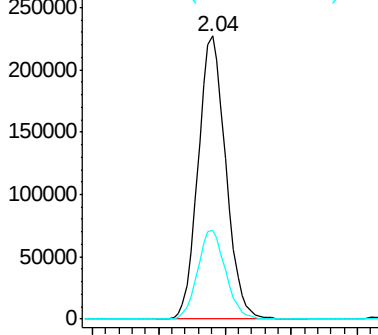
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.913 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059081.D

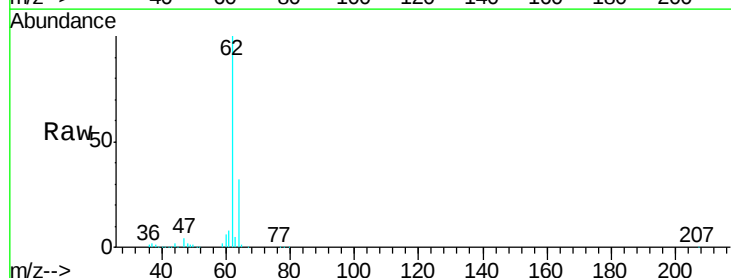
Acq: 4 Nov 2019 14:57

Tgt Ion: 62 Resp: 331744

Ion Ratio Lower Upper

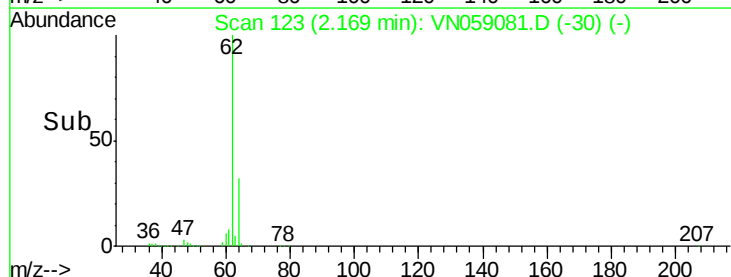
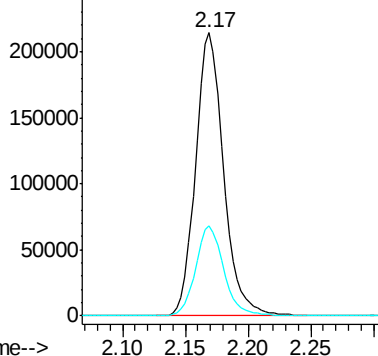
62 100

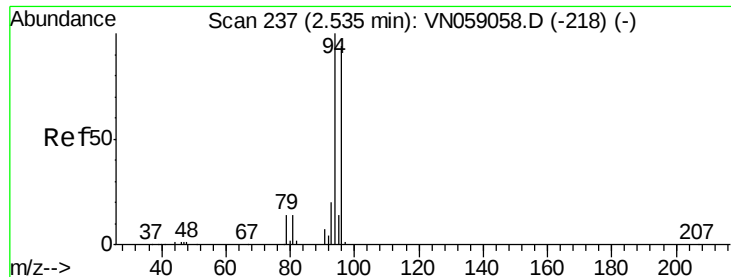
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.927 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 192176

Ion Ratio Lower Upper

94 100

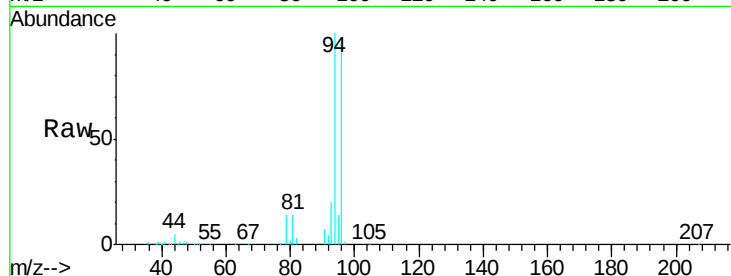
96 95.6 75.1 112.7

Manual Integrations

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11/5/2019 2:00:15 PM



Abundance Ion 93.90 (93.60 to 94.60): VN059058.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059058.D (-218) (-)

2.54

100000

80000

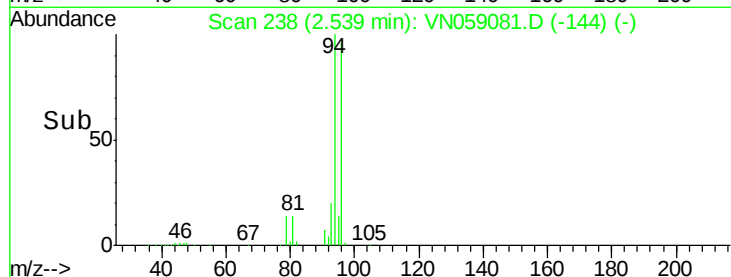
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40000

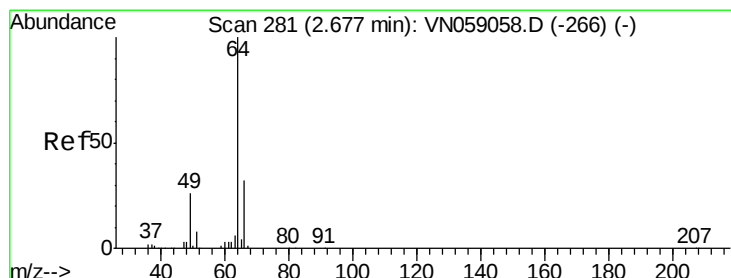
20000

0

Time-->



Time-->



#6

Chloroethane

Concen: 47.693 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059081.D

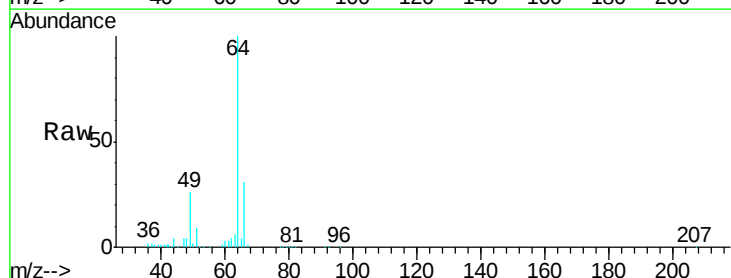
Acq: 4 Nov 2019 14:57

Tgt Ion: 64 Resp: 198104

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN059058.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059058.D (-266) (-)

2.68

100000

80000

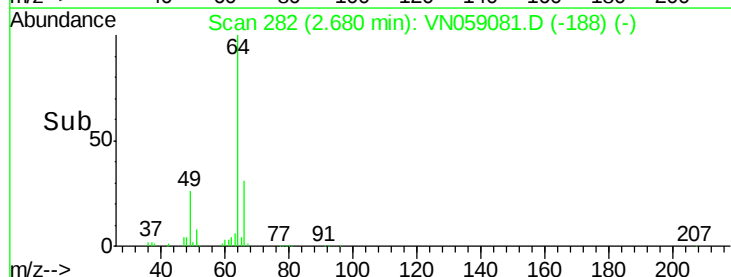
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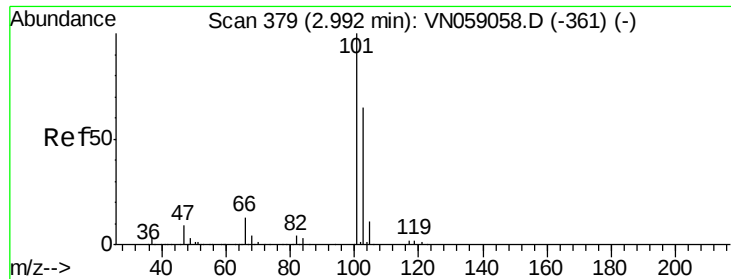
20000

0

Time-->



Time-->



#7

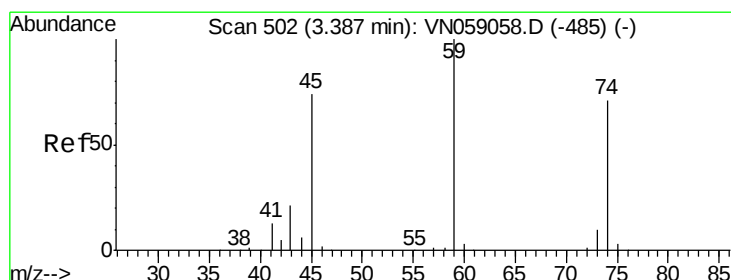
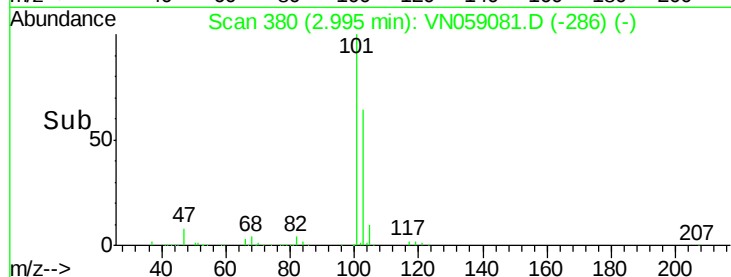
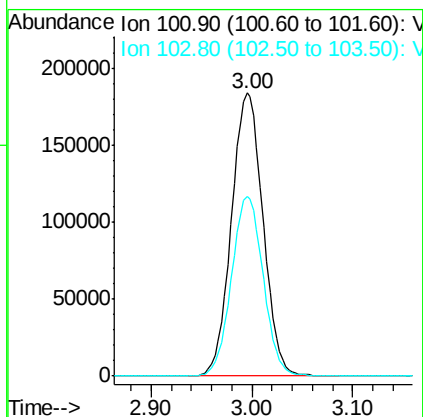
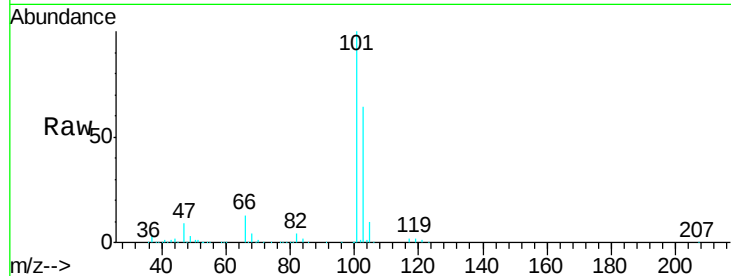
Trichlorofluoromethane
Concen: 49.534 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 399209
Ion Ratio Lower Upper
101 100
103 63.7 51.7 77.5

Manual Integrations
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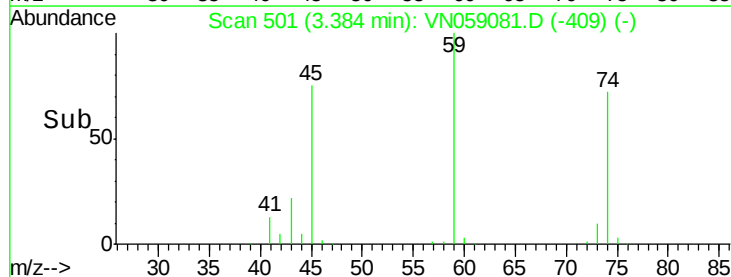
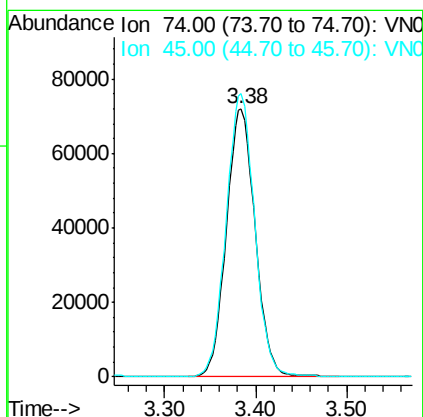
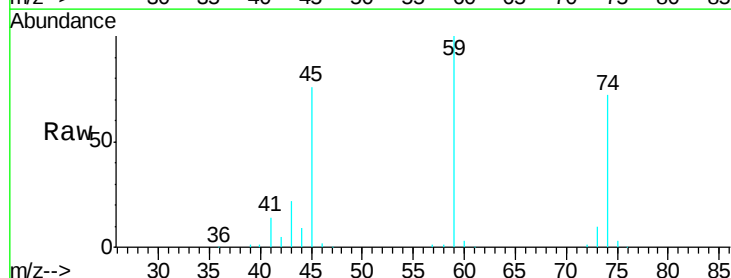
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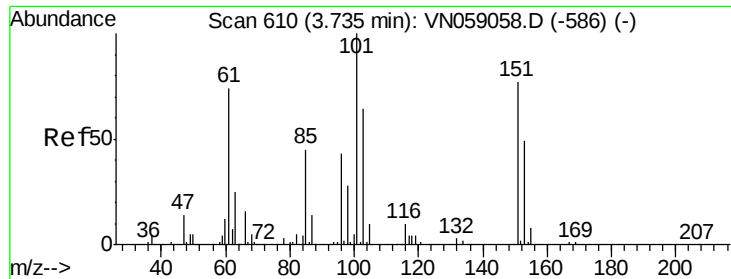


#8

Diethyl Ether
Concen: 50.359 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion: 74 Resp: 158497
Ion Ratio Lower Upper
74 100
45 105.0 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.927 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

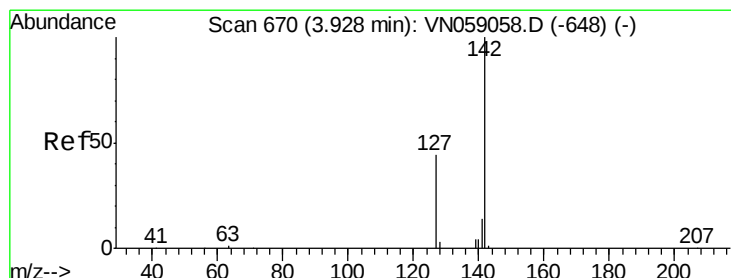
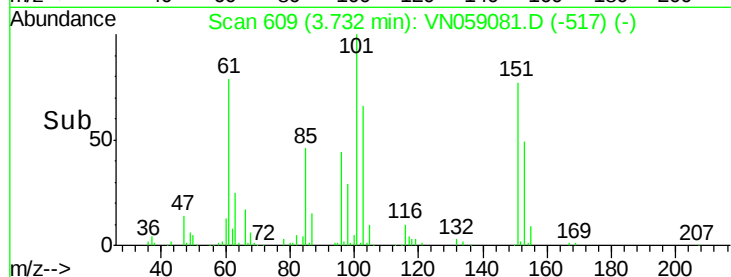
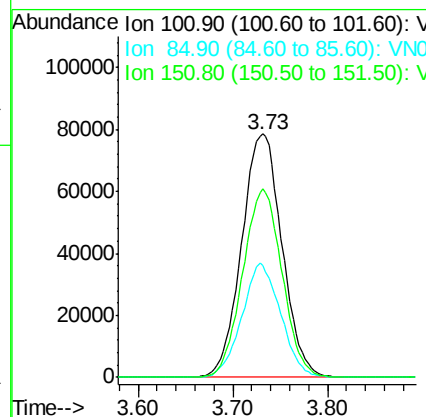
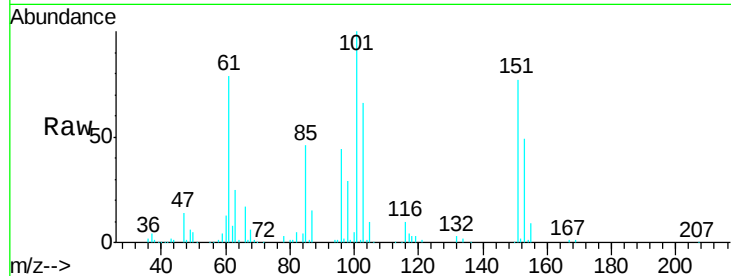
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	232418
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.0	52.6
151	75.6	61.3	91.9

Manual Integrations
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#10

Methyl Iodide

Concen: 51.832 ug/l

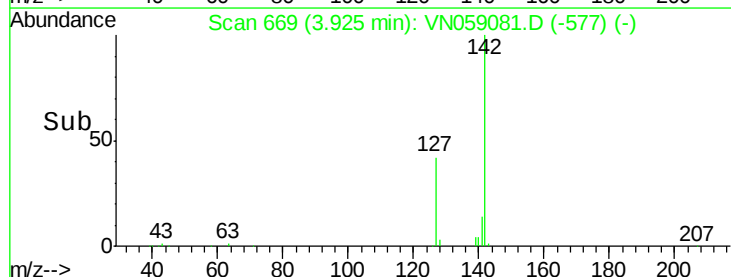
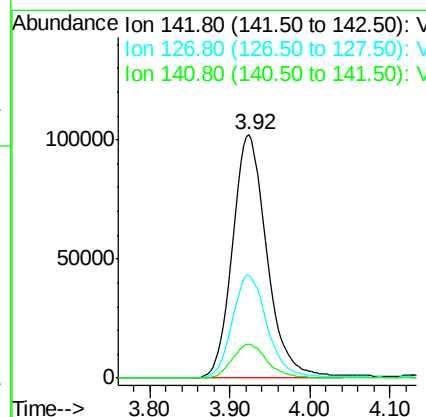
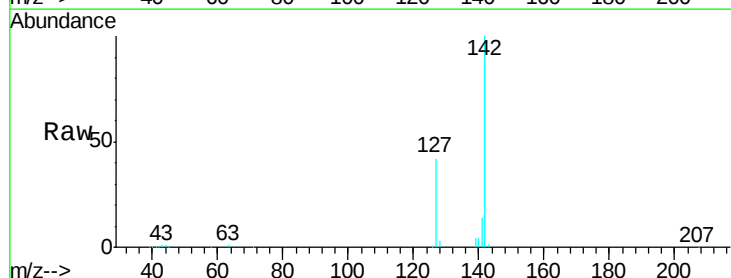
RT: 3.92 min Scan# 669

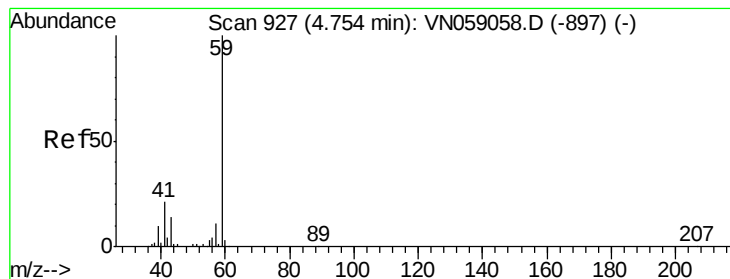
Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion:	142	Resp:	299268
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.2	51.2
141	14.2	11.1	16.7





#11

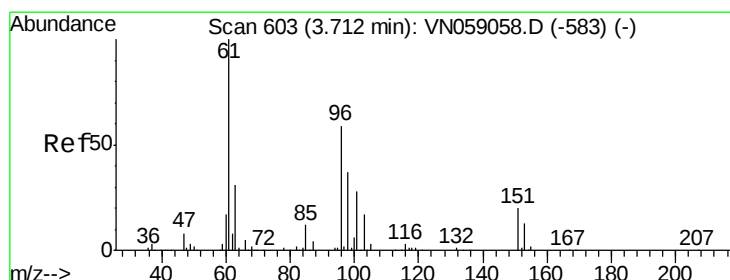
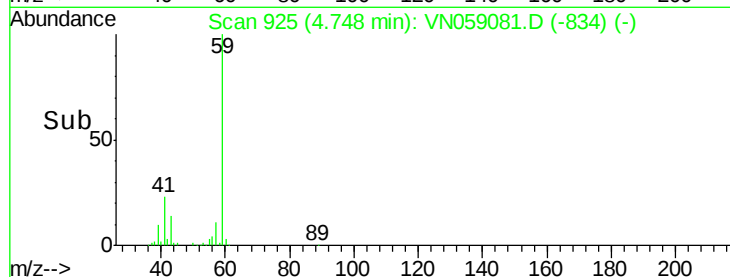
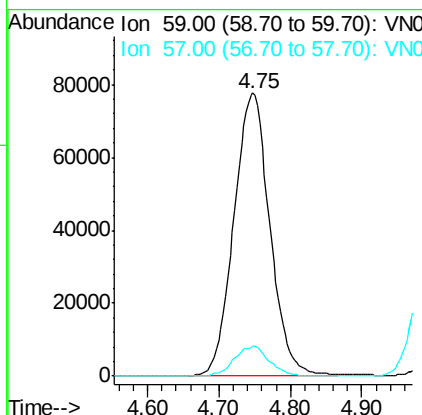
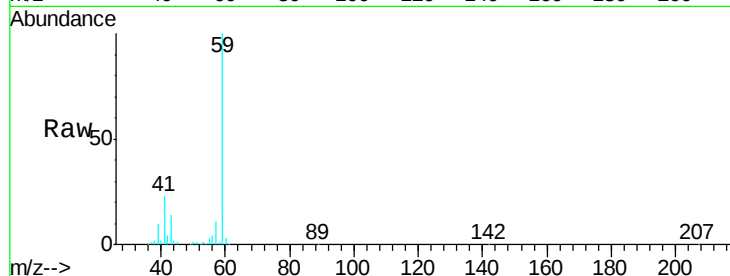
Tert butyl alcohol
 Concen: 233.882 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 59 Resp: 273224
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

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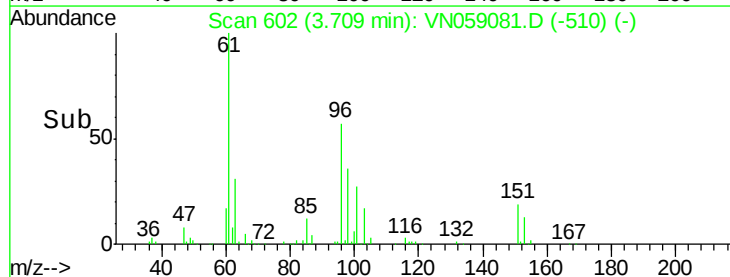
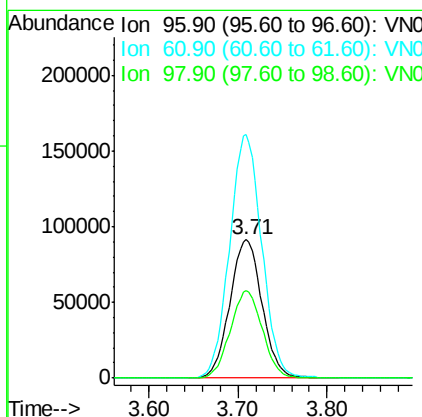
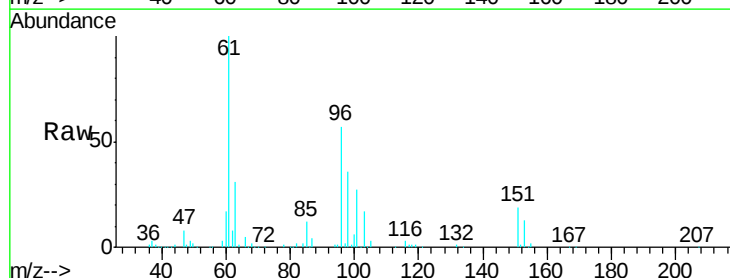
MMDadoda
 11/5/2019 2:00:15 PM

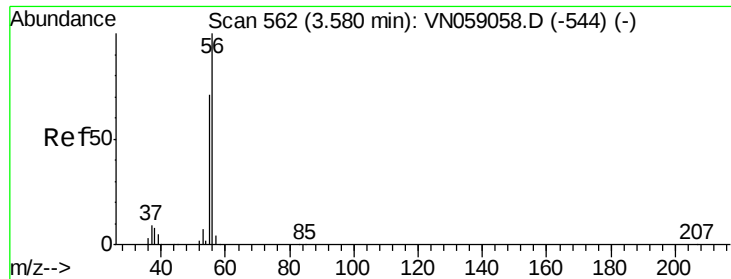


#12

1,1-Dichloroethene
 Concen: 48.347 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion: 96 Resp: 228403
 Ion Ratio Lower Upper
 96 100
 61 175.7 135.3 202.9
 98 63.3 49.4 74.2





#13

Acrolein

Concen: 227.458 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 167668

Ion Ratio Lower Upper

56 100

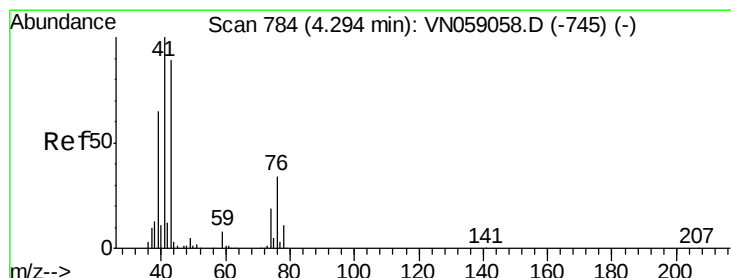
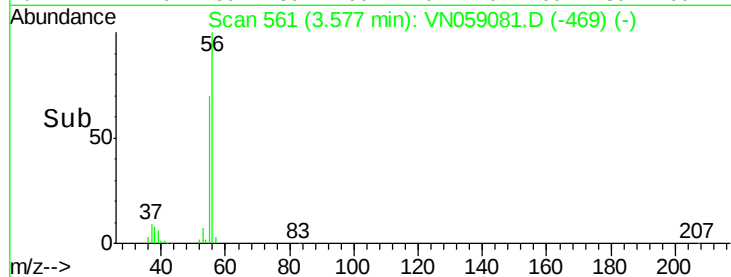
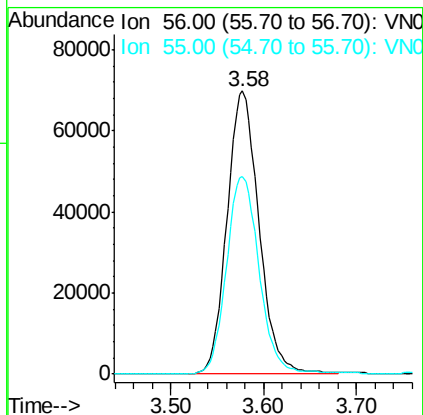
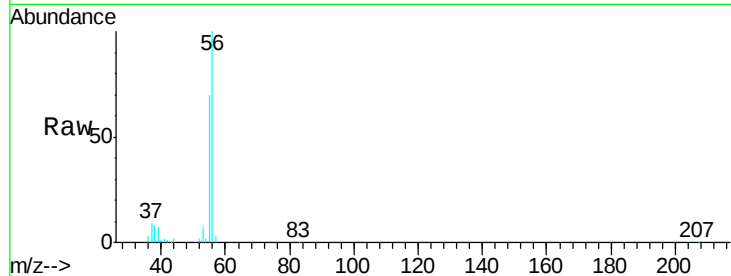
55 71.6 56.1 84.1

Manual Integrations

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11/5/2019 2:00:15 PM



#14

Allyl chloride

Concen: 49.715 ug/l m

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

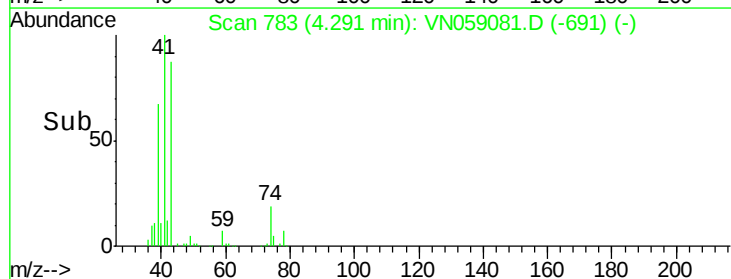
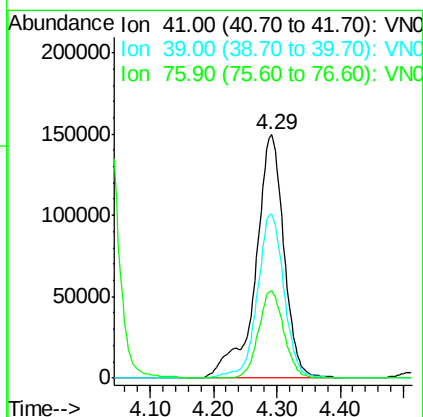
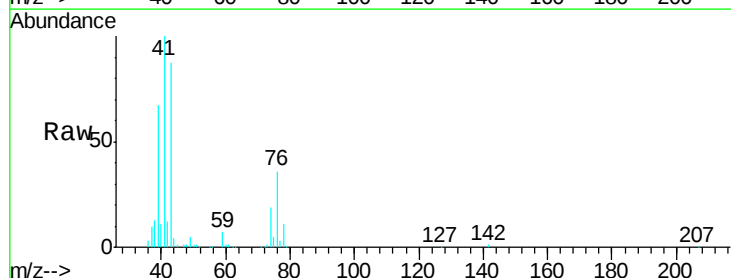
Tgt Ion: 41 Resp: 465400

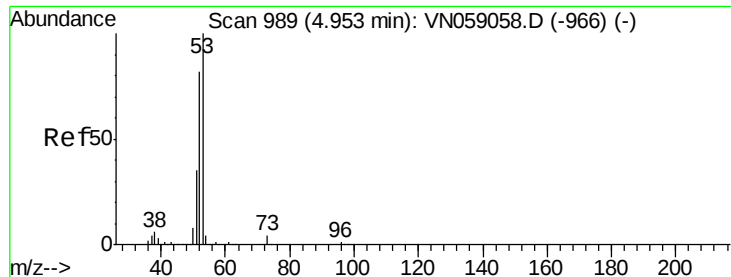
Ion Ratio Lower Upper

41 100

39 62.8 49.4 74.2

76 31.5 24.6 37.0





#15

Acrylonitrile

Concen: 246.537 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

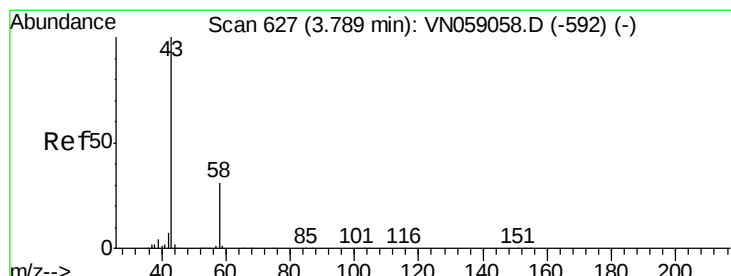
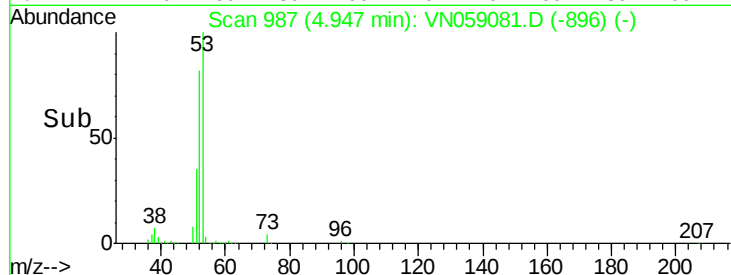
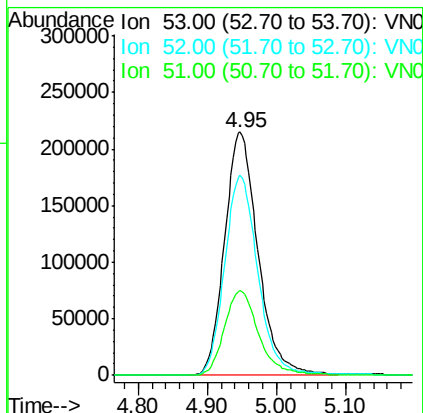
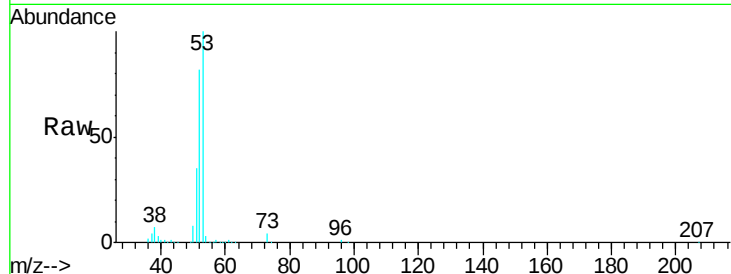
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	722478
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.0	99.0
51	36.0	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 254.996 ug/l

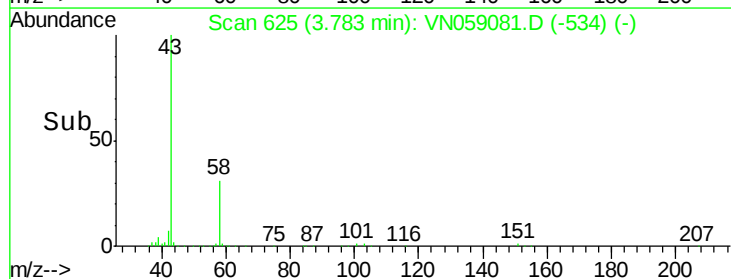
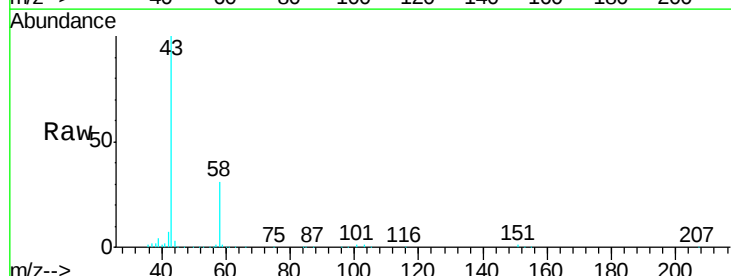
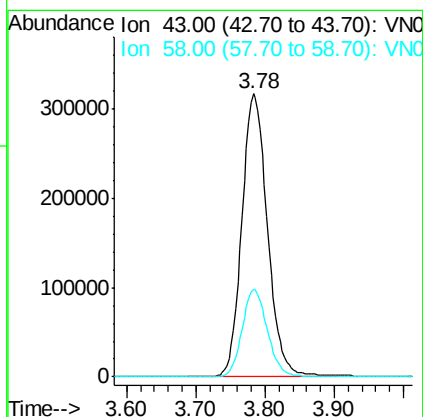
RT: 3.78 min Scan# 625

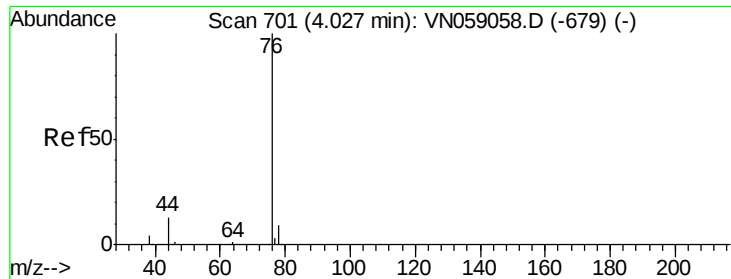
Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion:	43	Resp:	814852
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.0	37.6





#17

Carbon Disulfide

Concen: 47.210 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 709060

Ion Ratio Lower Upper

76 100

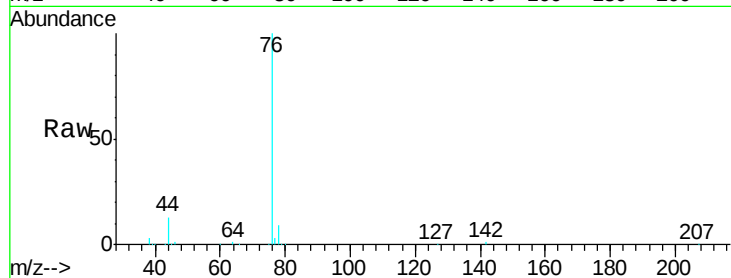
78 9.3 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN059058.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059058.D (-679) (-)

4.02

300000

250000

200000

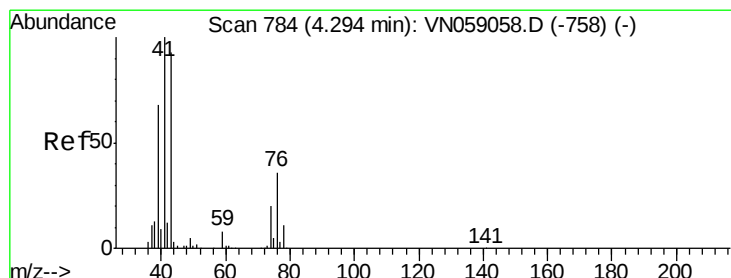
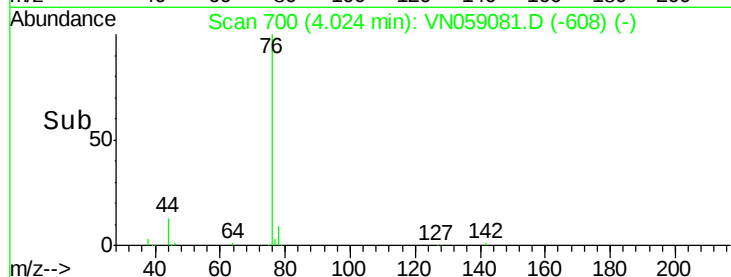
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.925 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059081.D

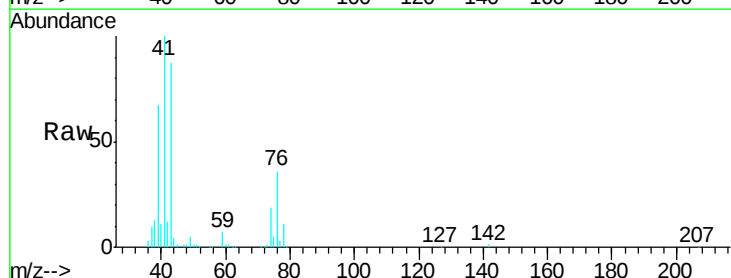
Acq: 4 Nov 2019 14:57

Tgt Ion: 43 Resp: 363688

Ion Ratio Lower Upper

43 100

74 22.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN059058.D (-758) (-)

4.29

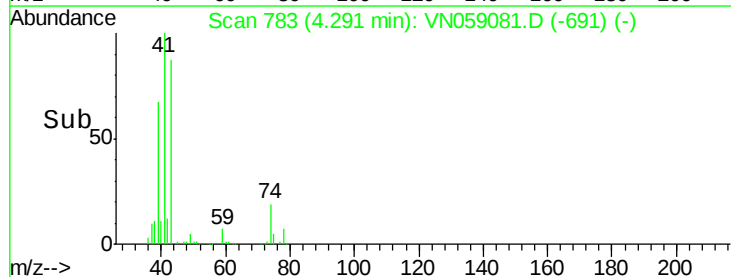
150000

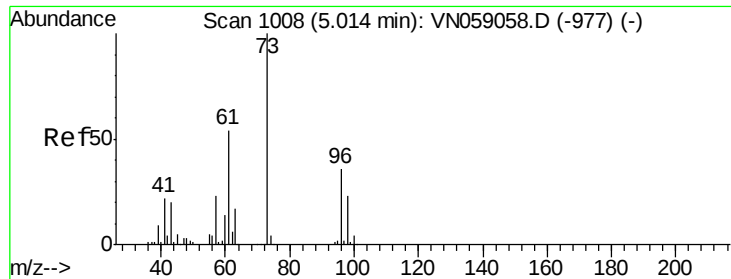
100000

50000

0

Time-->





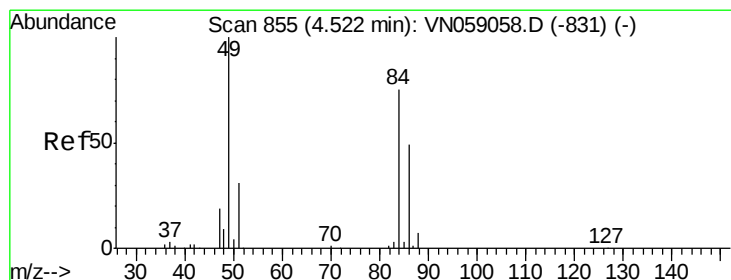
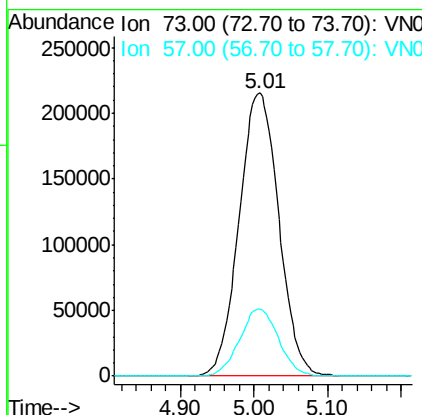
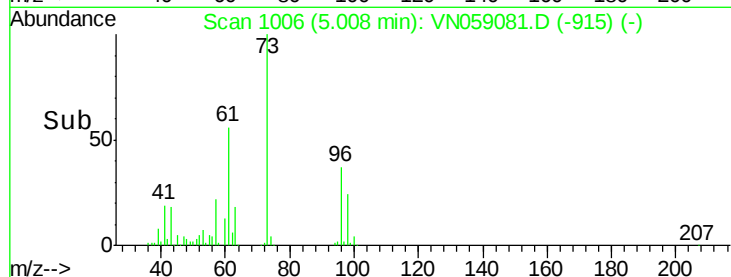
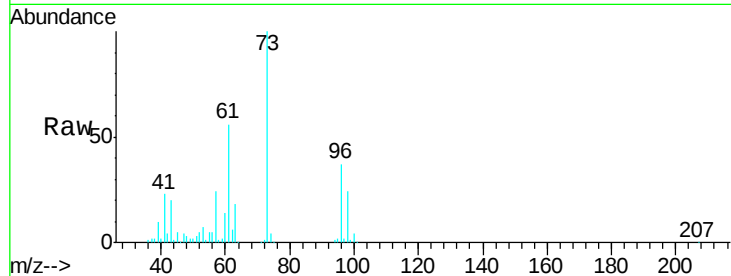
#19
Methyl tert-butyl Ether
Concen: 50.218 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 808039
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6

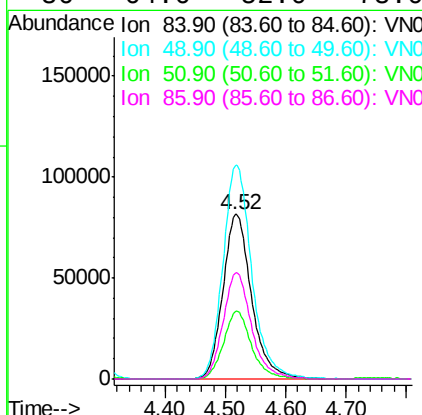
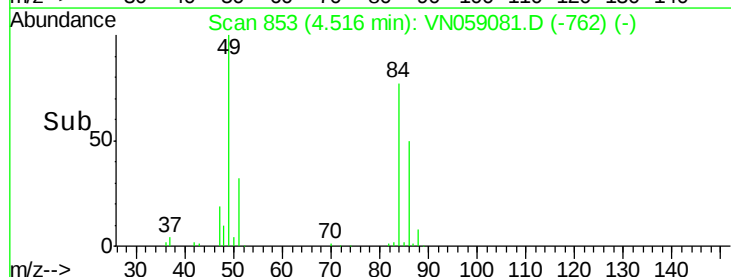
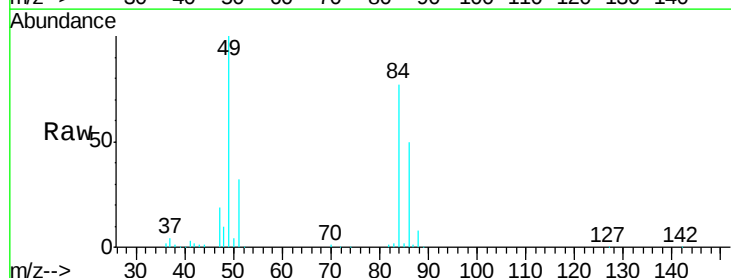
Manual Integrations
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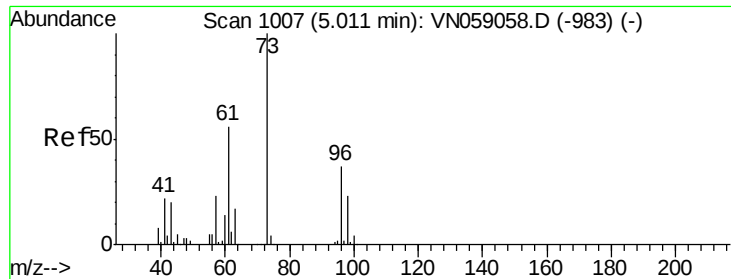
MMDadoda
11/5/2019 2:00:15 PM



#20
Methylene Chloride
Concen: 48.243 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion: 84 Resp: 269879
Ion Ratio Lower Upper
84 100
49 129.7 106.4 159.6
51 41.0 33.0 49.4
86 64.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.007 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

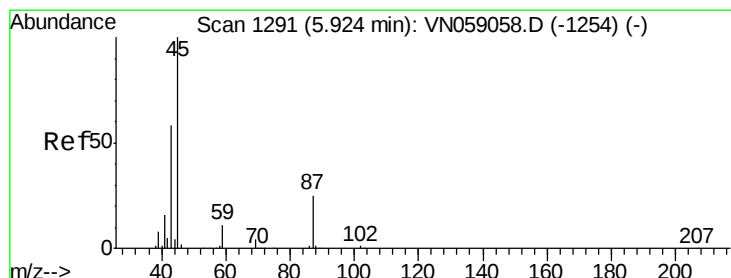
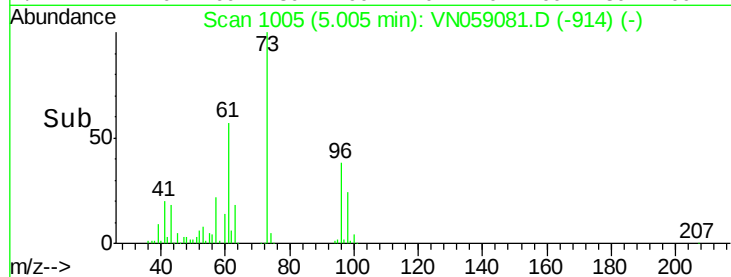
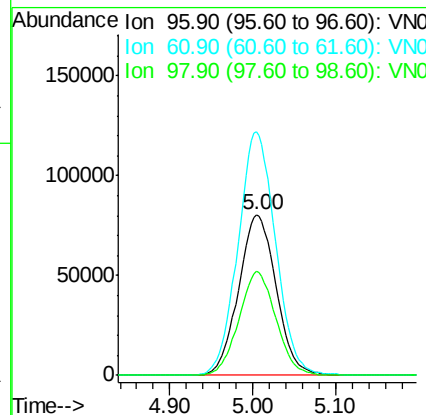
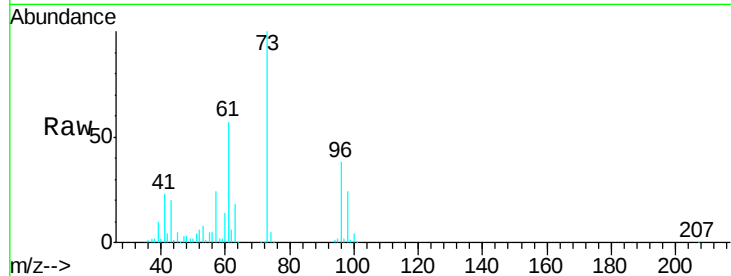
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	253624
Ion	Ratio	Lower	Upper
96	100		
61	151.0	121.7	182.5
98	64.7	50.6	76.0

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#22

Diisopropyl ether

Concen: 52.104 ug/l

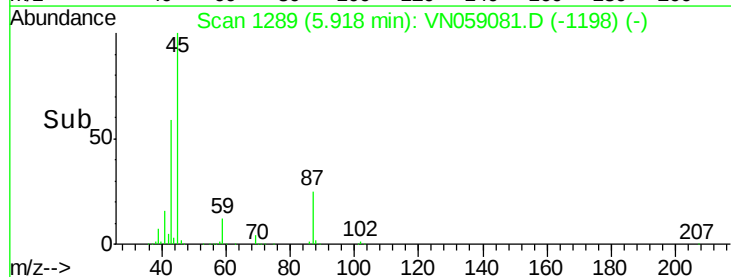
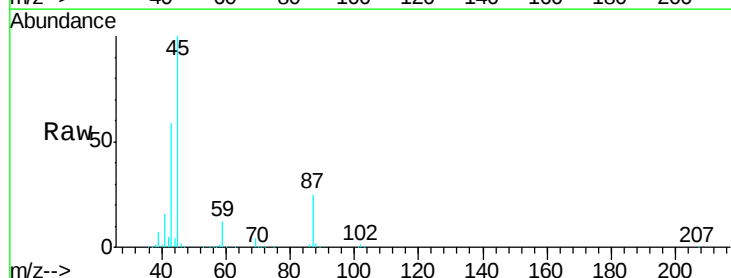
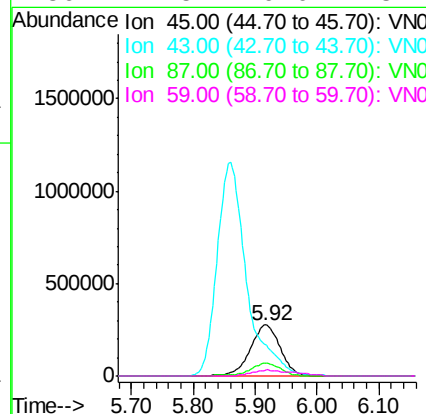
RT: 5.92 min Scan# 1289

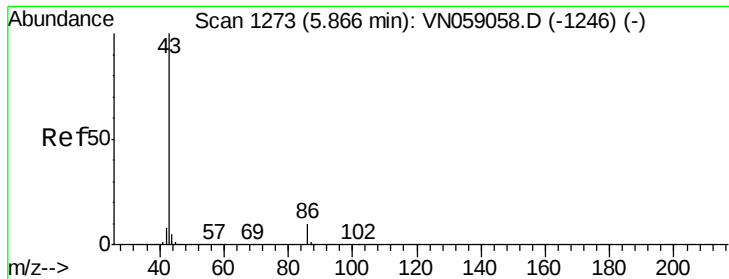
Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion:	45	Resp:	929072
Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.9	70.3
87	25.3	20.1	30.1
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 271.230 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3851994

Ion Ratio Lower Upper

43 100

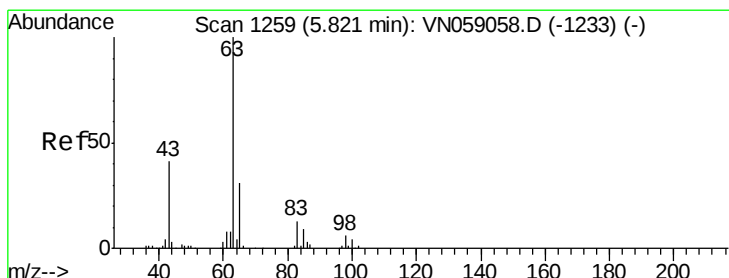
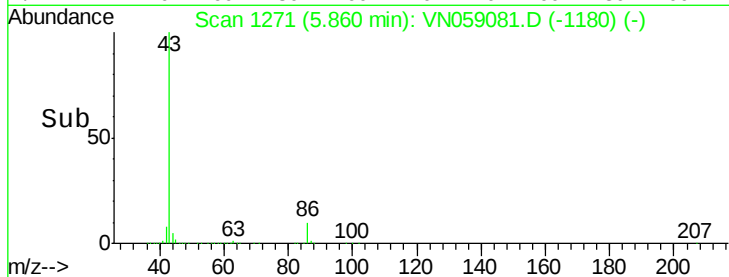
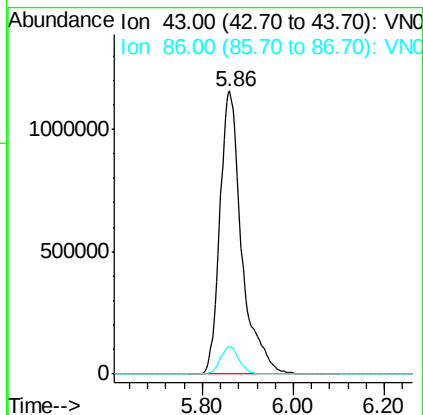
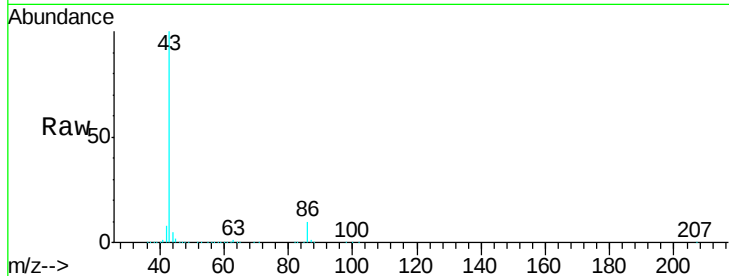
86 9.7 7.6 11.4

Manual Integrations

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11/5/2019 2:00:15 PM



#24

1,1-Dichloroethane

Concen: 49.144 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

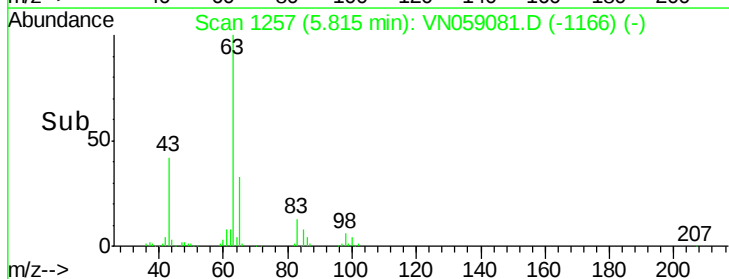
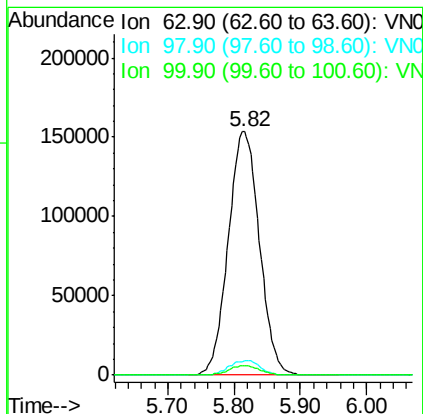
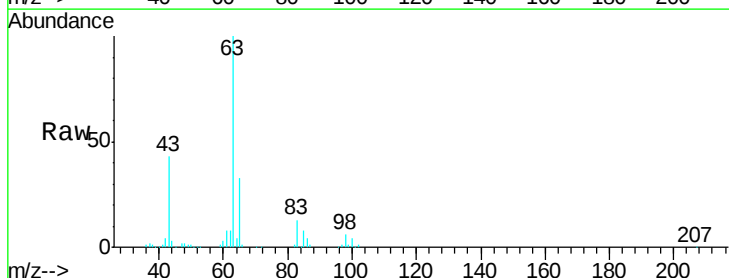
Tgt Ion: 63 Resp: 500994

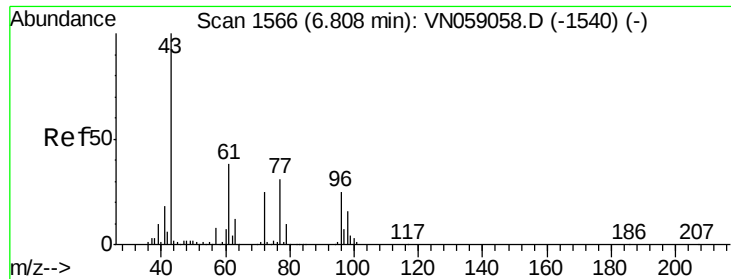
Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 248.717 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1058294

Ion Ratio Lower Upper

43 100

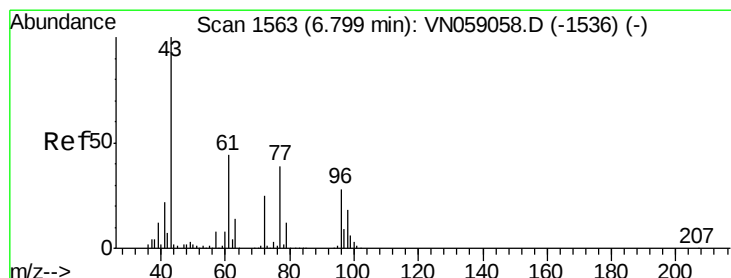
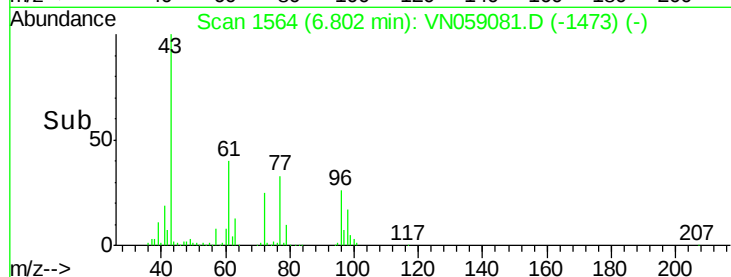
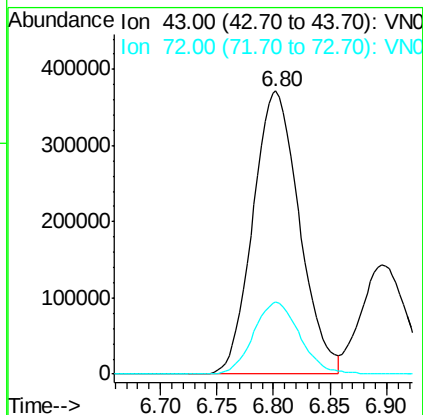
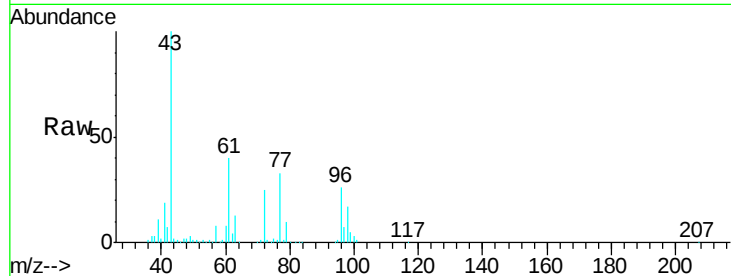
72 25.4 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.106 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059081.D

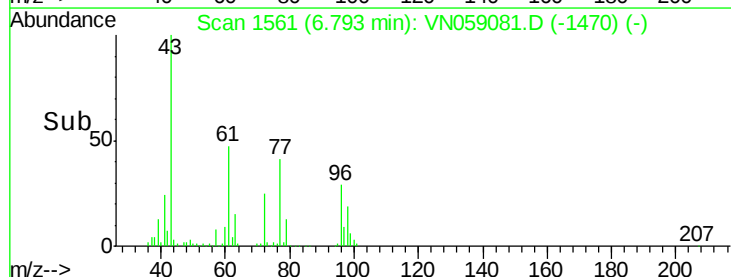
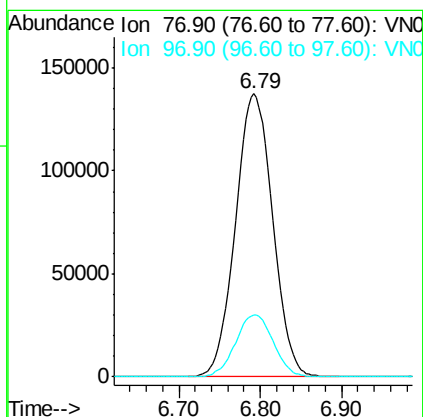
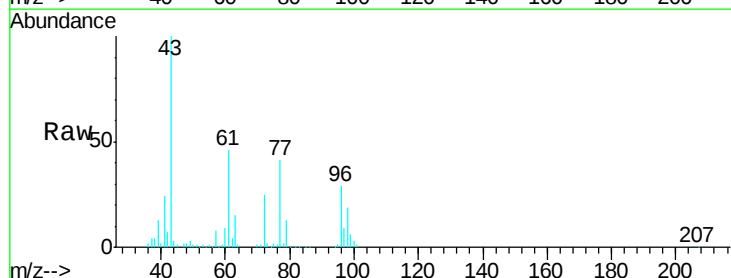
Acq: 4 Nov 2019 14:57

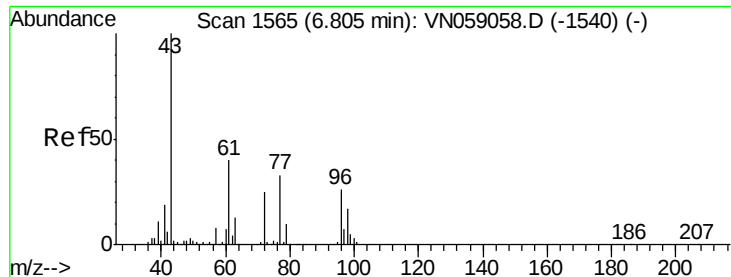
Tgt Ion: 77 Resp: 434513

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 51.034 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

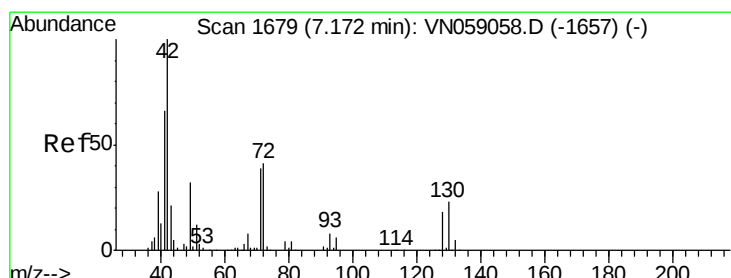
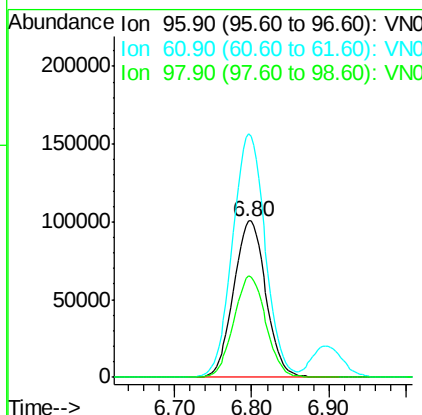
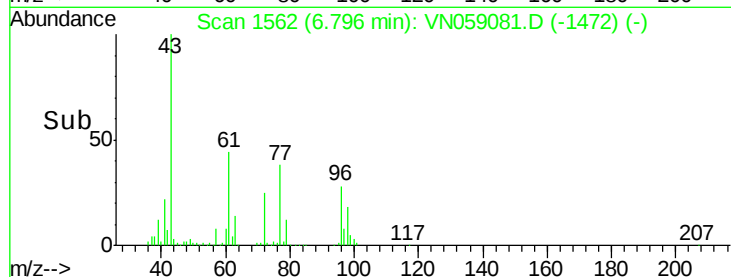
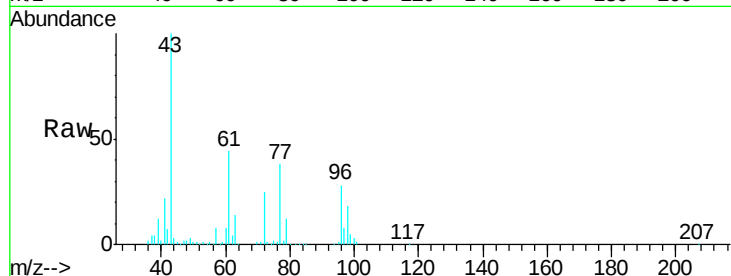
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	291446
Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	316.4
98	64.4	0.0	128.2

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#28

Bromochloromethane

Concen: 48.560 ug/l

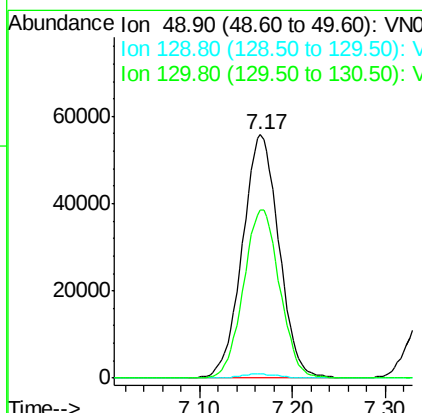
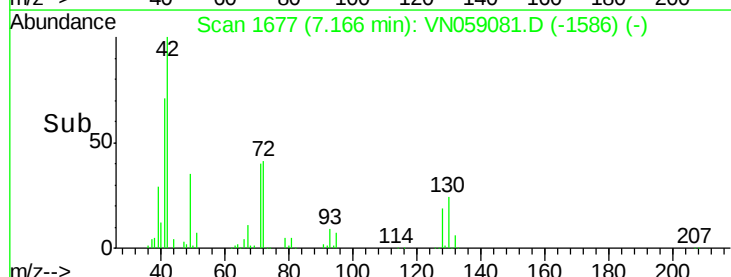
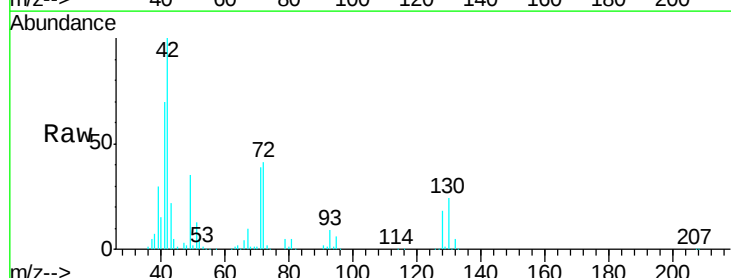
RT: 7.17 min Scan# 1677

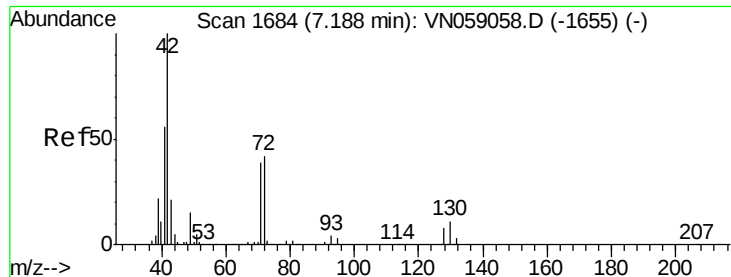
Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion:	49	Resp:	152784
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	68.4	55.0	82.6





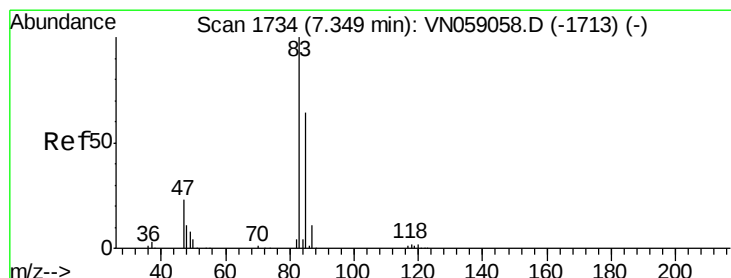
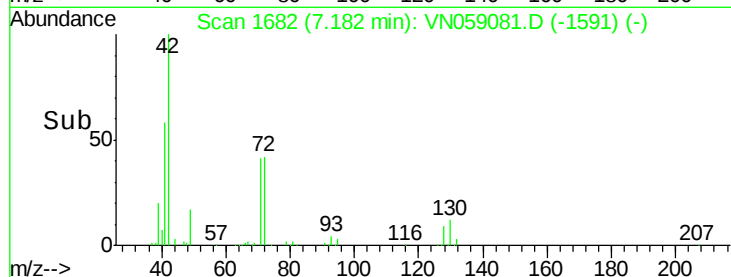
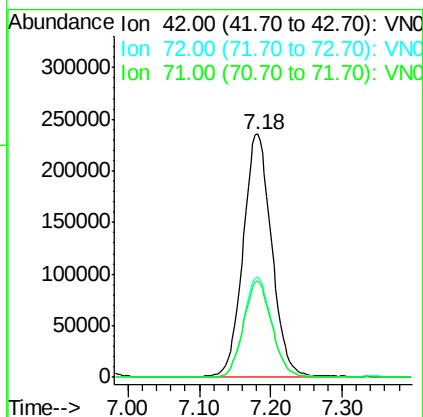
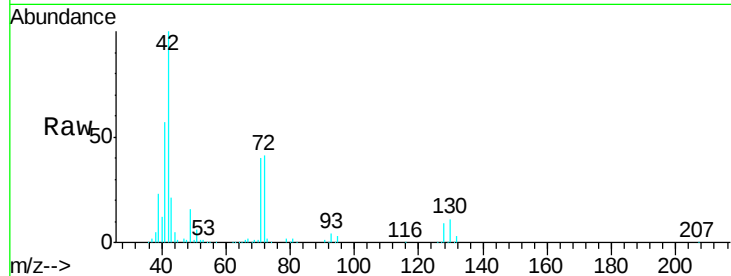
#29
Tetrahydrofuran
Concen: 244.303 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.7	49.1
71	39.3	31.2	46.8

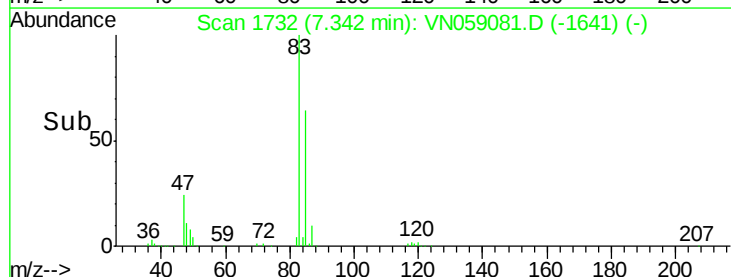
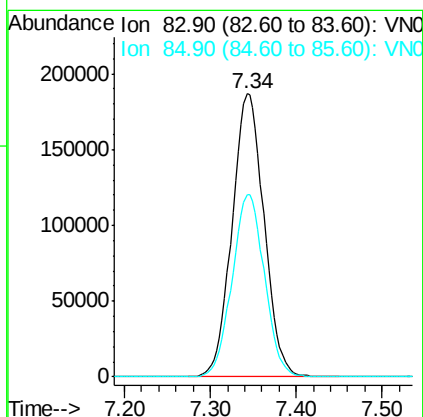
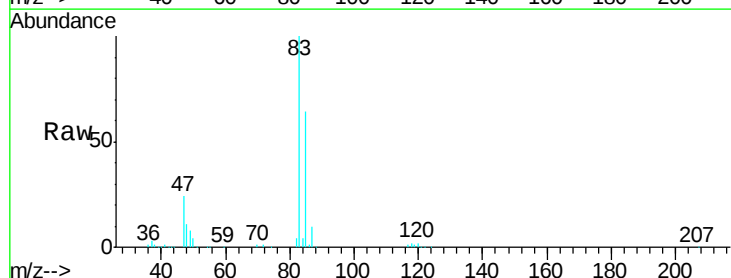
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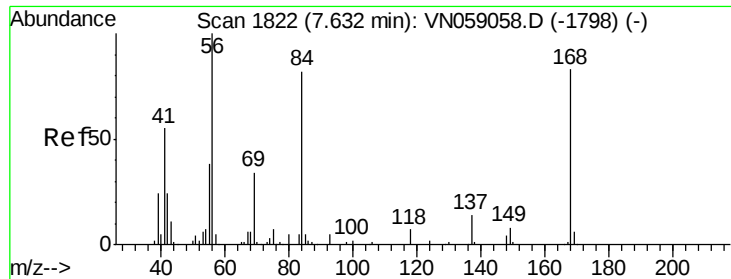
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#30
Chloroform
Concen: 49.489 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3





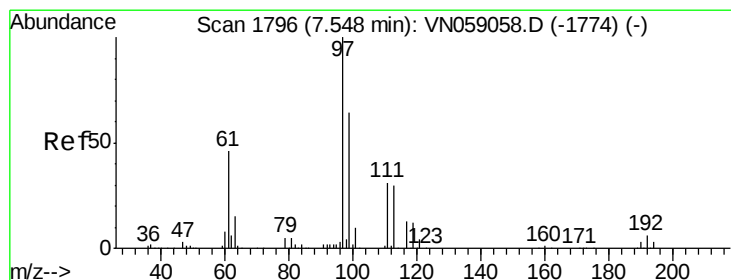
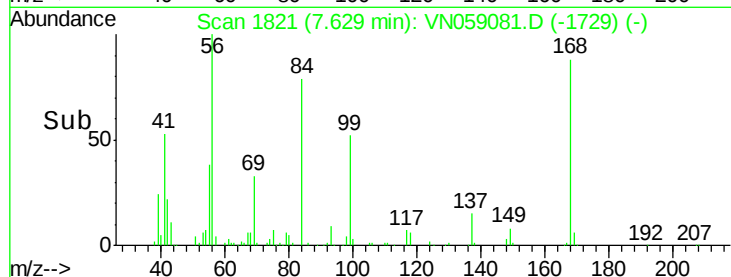
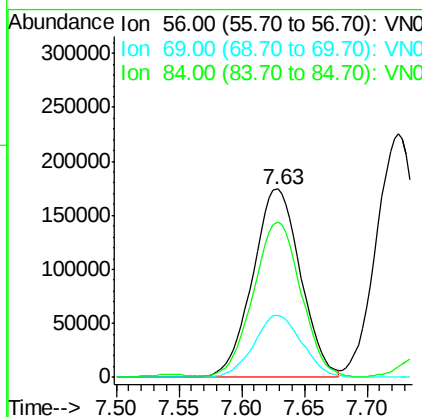
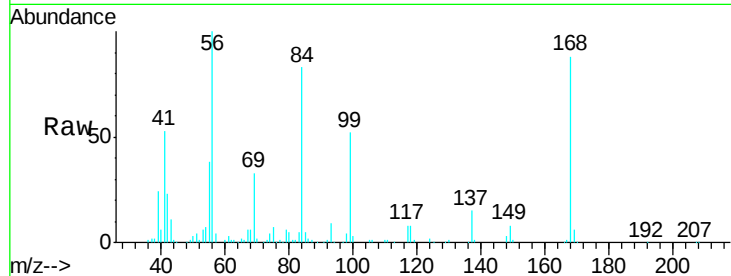
#31
Cyclohexane
Concen: 47.649 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.1	27.2	40.8
84	81.6	65.2	97.8

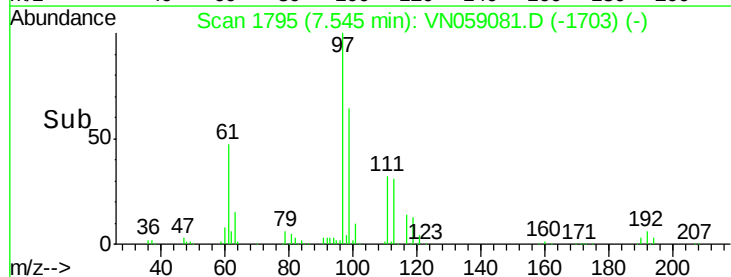
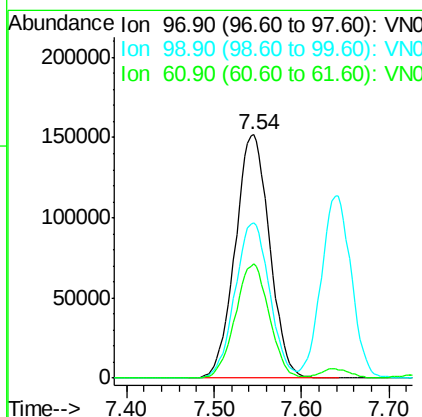
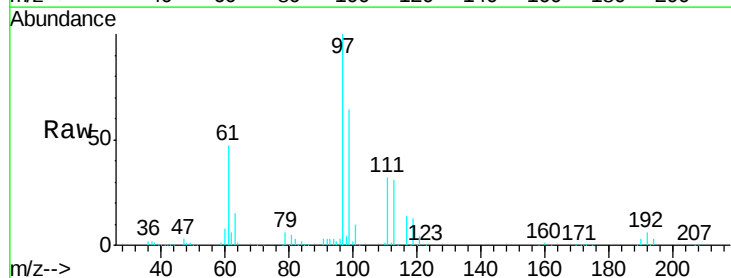
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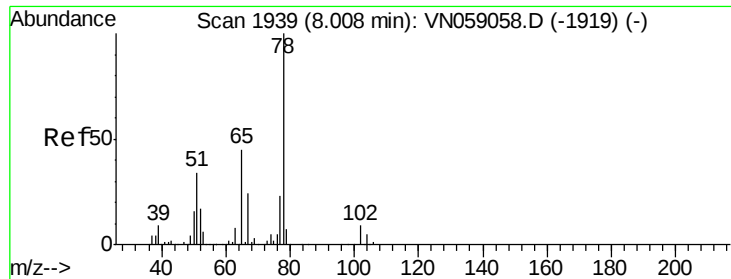
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#32
1,1,1-Trichloroethane
Concen: 50.198 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.7	76.1
61	46.2	36.3	54.5





#33

1,2-Dichloroethane-d4

Concen: 48.690 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 307332

Ion Ratio Lower Upper

65 100

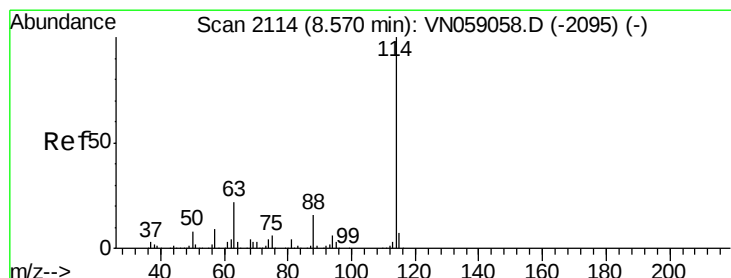
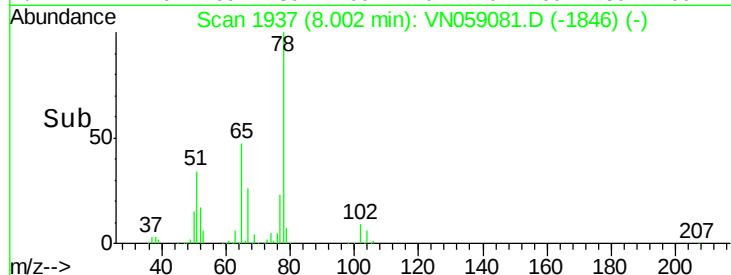
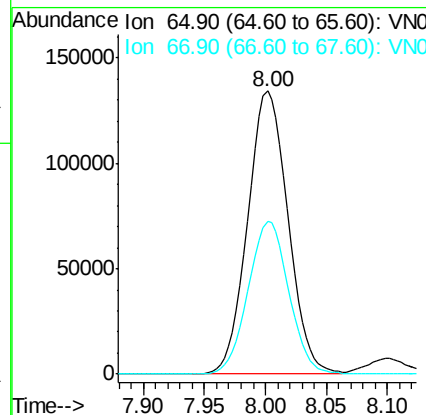
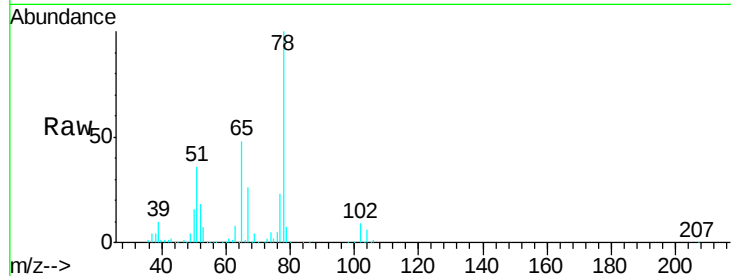
67 54.3 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.01 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

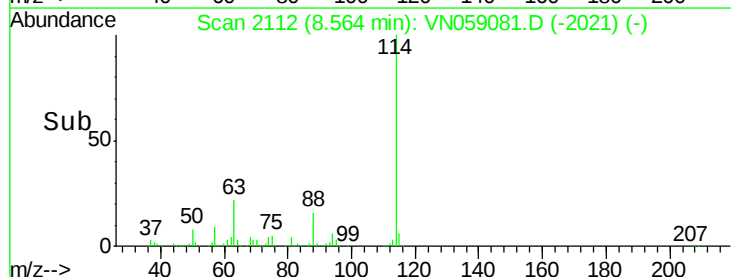
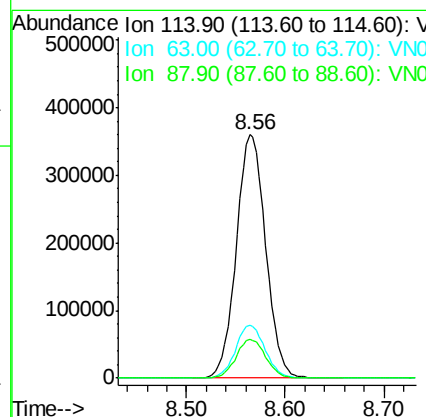
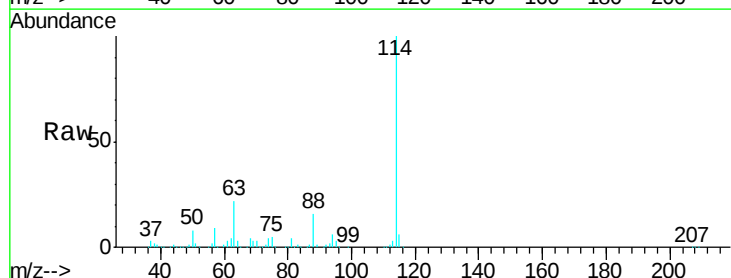
Tgt Ion: 114 Resp: 745084

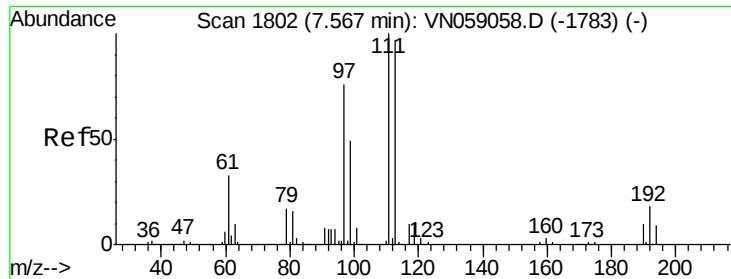
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

88 15.8 0.0 33.0





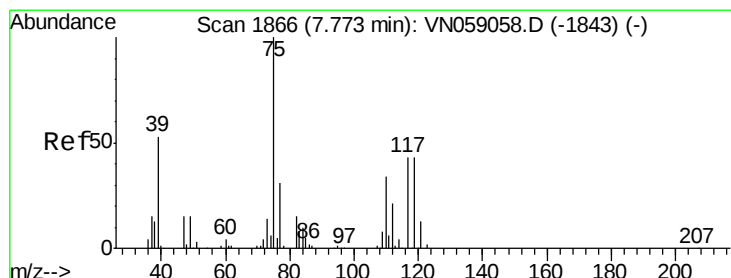
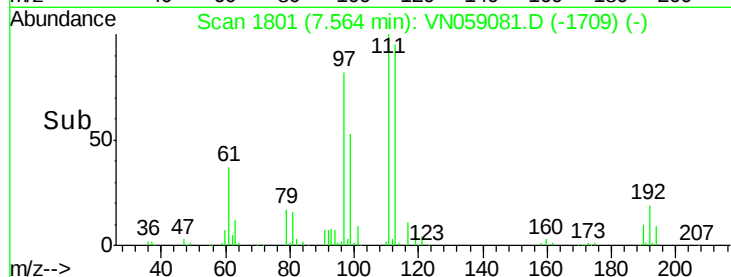
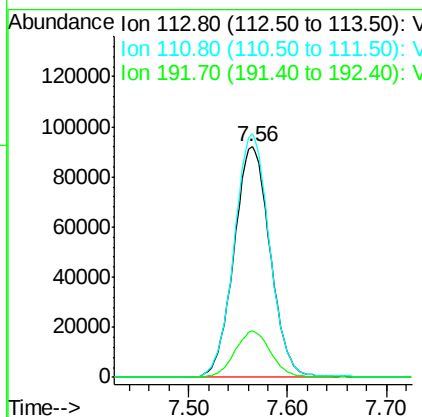
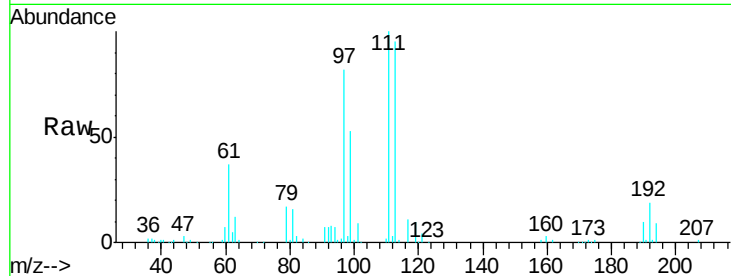
#35
 Dibromofluoromethane
 Concen: 48.745 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	234301		
111	103.9	82.9	124.3	
192	19.9	15.9	23.9	

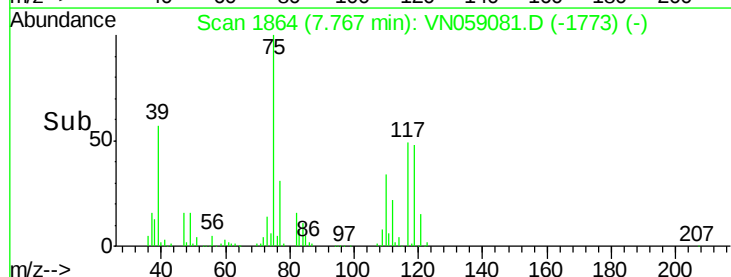
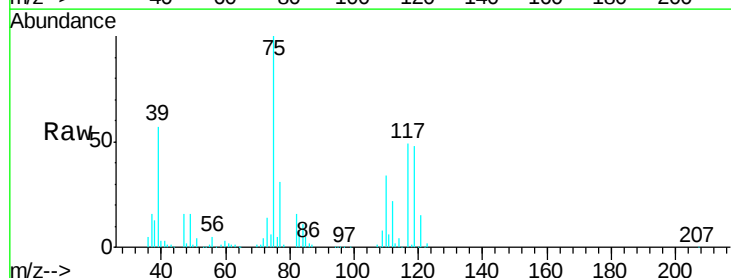
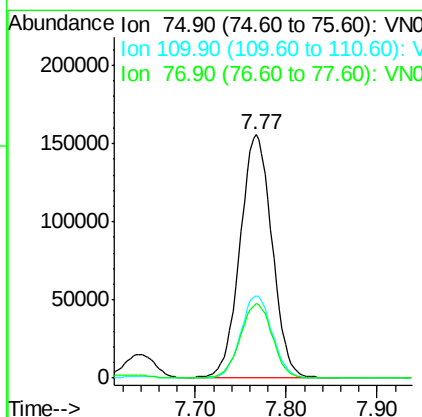
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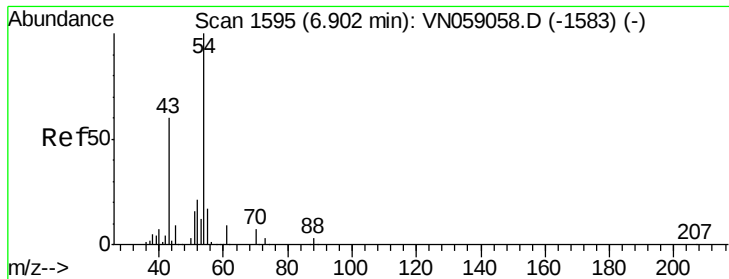
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#36
 1,1-Dichloropropene
 Concen: 51.215 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	379258		
110	33.3	16.9	50.6	
77	30.9	25.0	37.4	





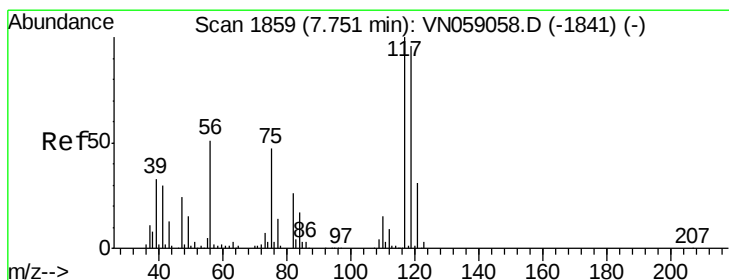
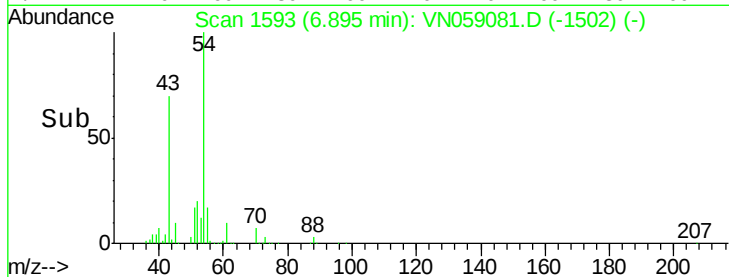
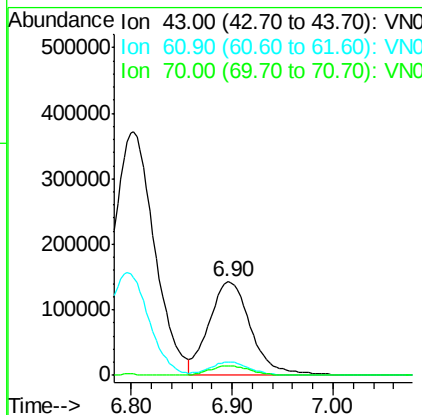
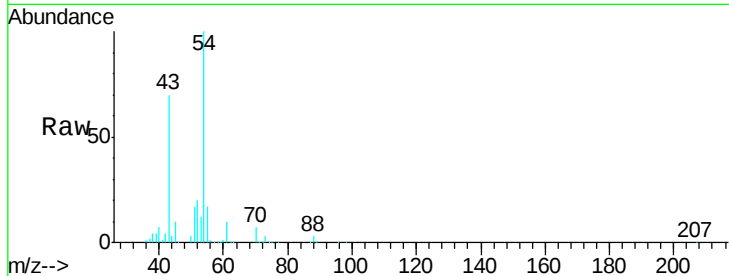
#37
 Ethyl Acetate
 Concen: 49.537 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.2	16.8
70	10.2	8.0	12.0

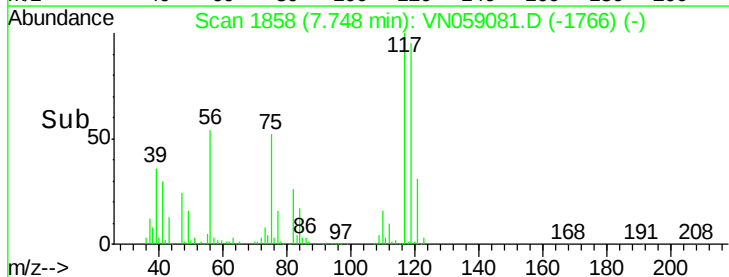
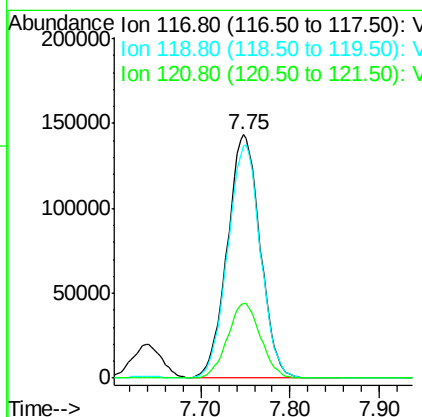
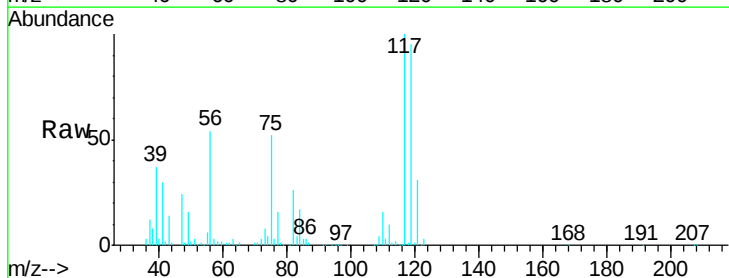
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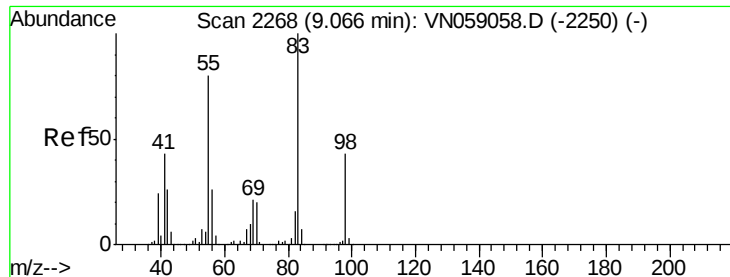
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#38
 Carbon Tetrachloride
 Concen: 50.771 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.6	114.8
121	30.7	24.6	37.0





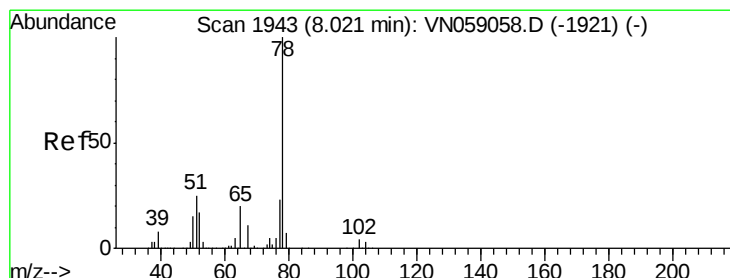
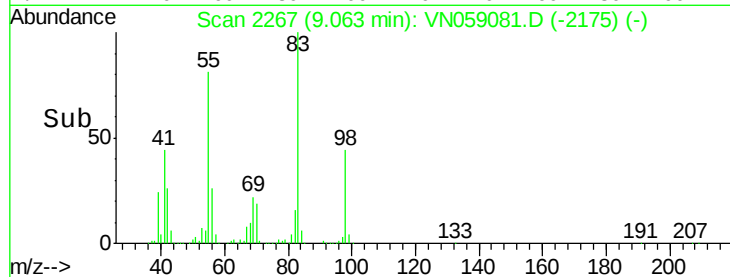
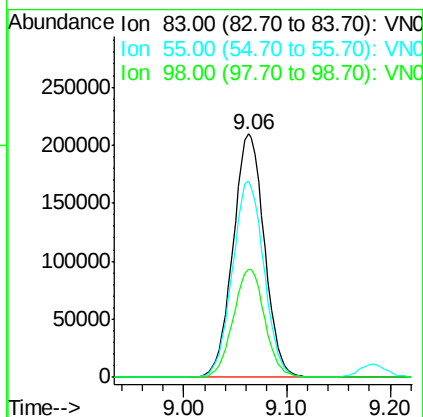
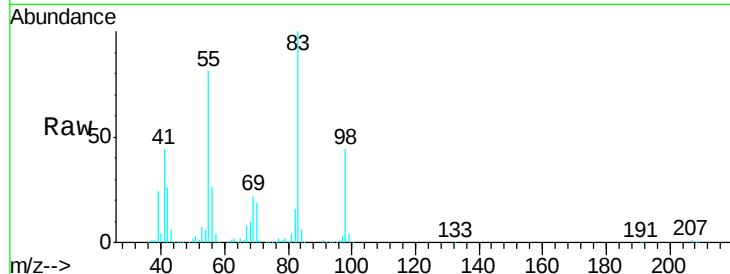
#39
Methylcyclohexane
Concen: 51.722 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.1	96.1
98	44.4	34.3	51.5

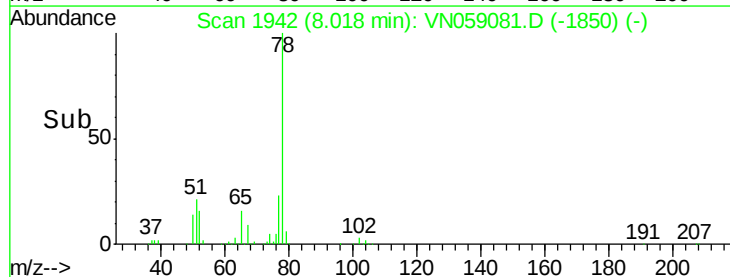
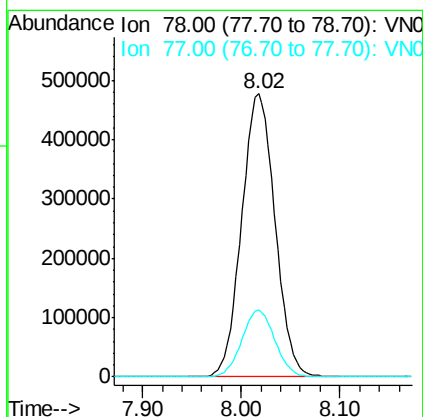
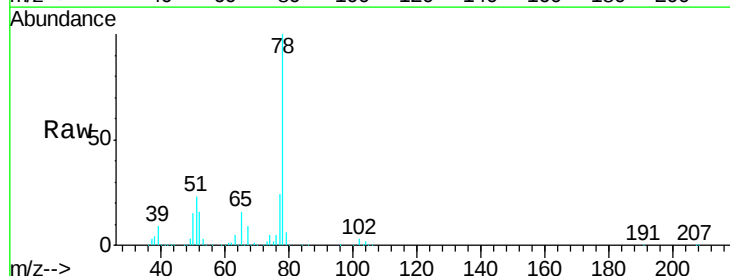
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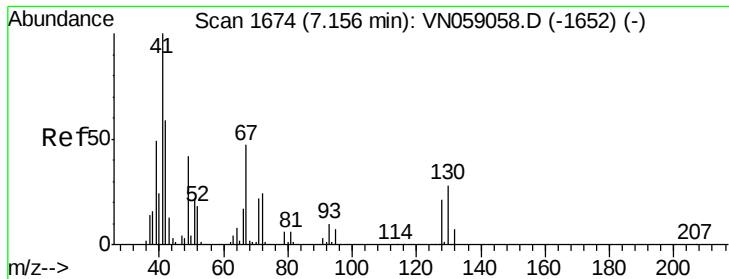
MMDadoda
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#40
Benzene
Concen: 50.818 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	27.8





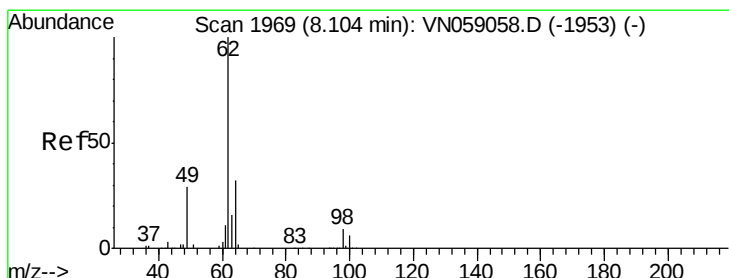
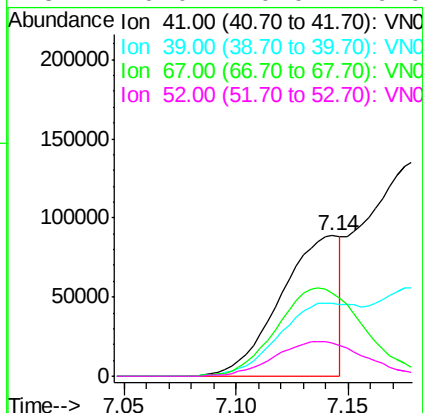
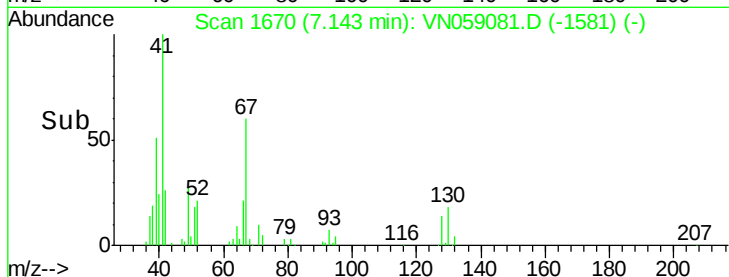
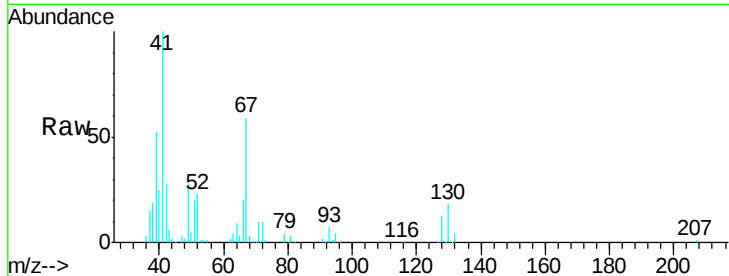
#41
Methacrylonitrile
Concen: 46.442 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt 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

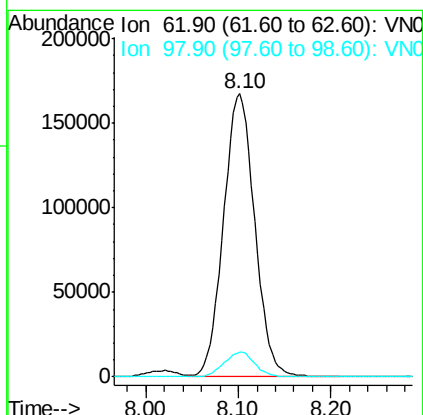
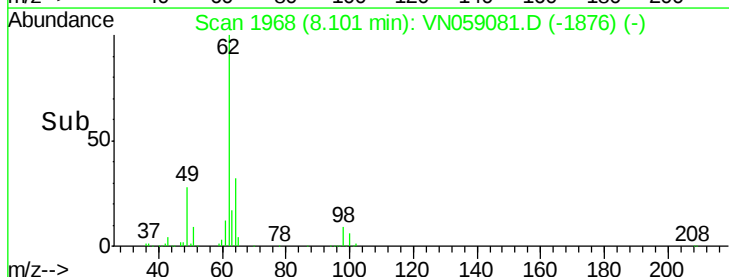
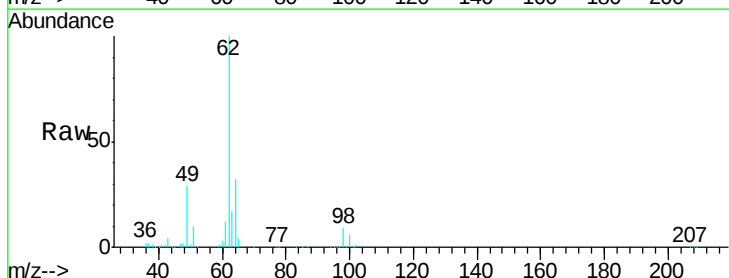
Manual Integrations
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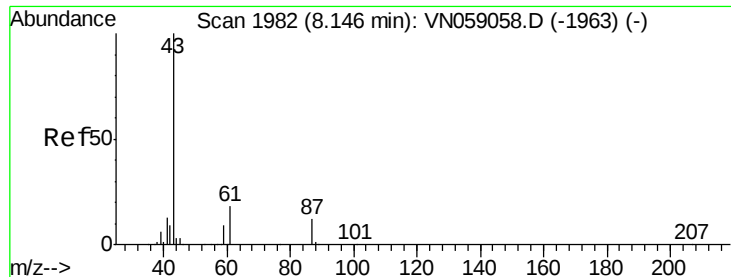
MMDadoda
11/5/2019 2:00:15 PM



#42
1,2-Dichloroethane
Concen: 51.076 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.0





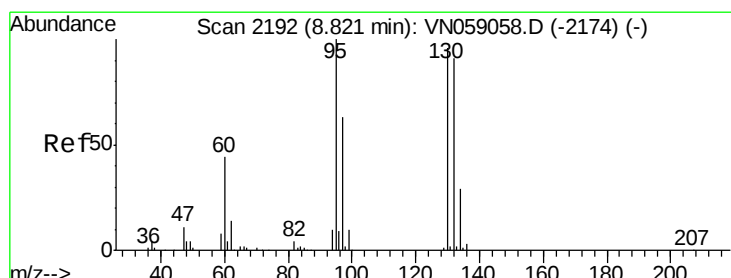
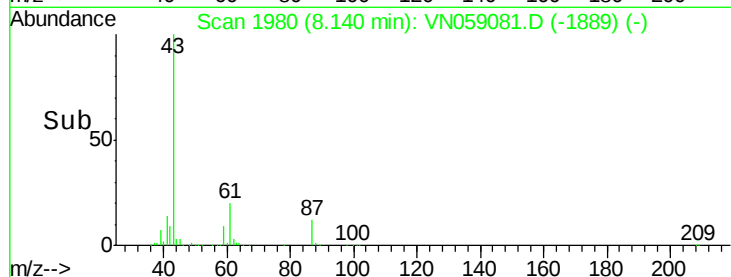
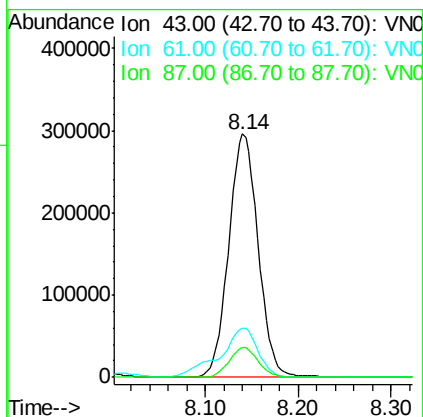
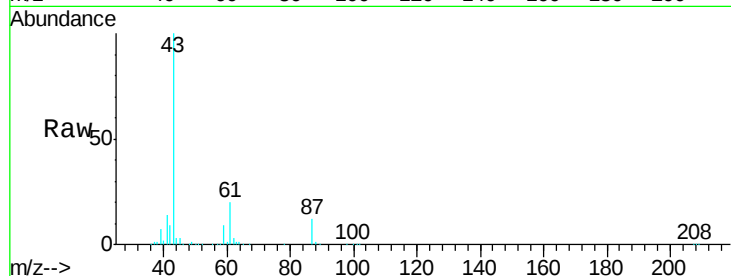
#43
Isopropyl Acetate
Concen: 50.374 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.01 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.5	30.7
87	12.1	9.8	14.8

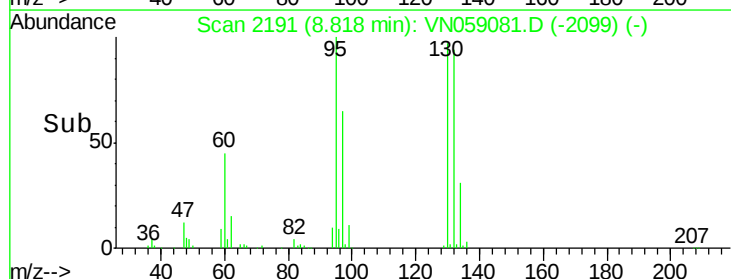
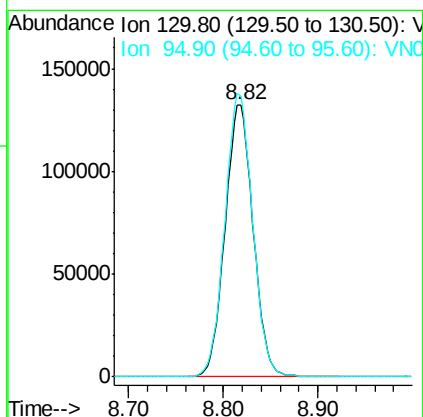
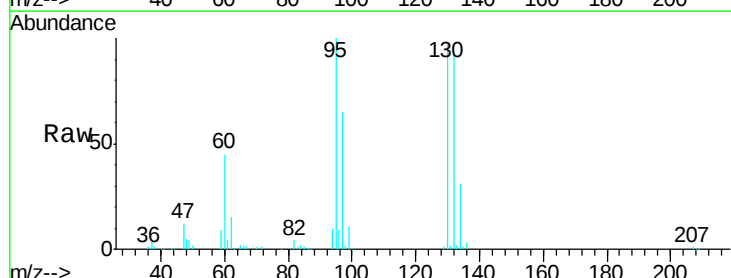
Manual Integrations
APPROVED

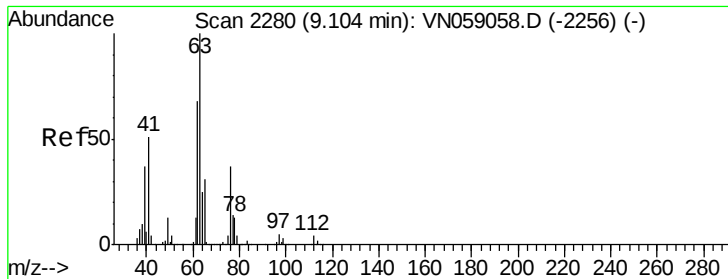
MMDadoda
11/5/2019 2:00:15 PM



#44
Trichloroethene
Concen: 50.508 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	207.6





#45

1,2-Dichloropropane

Concen: 51.653 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 306998

Ion Ratio Lower Upper

63 100

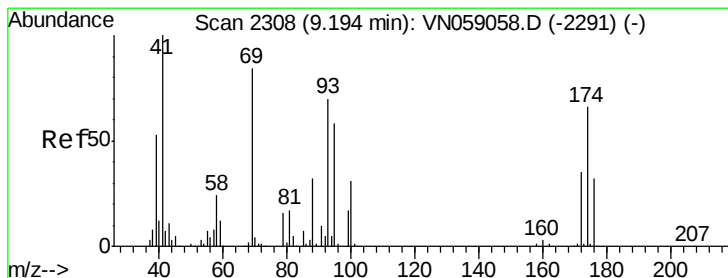
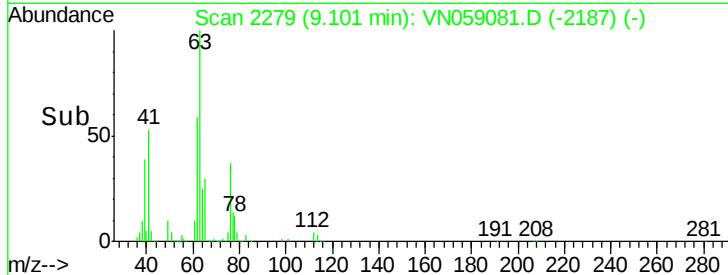
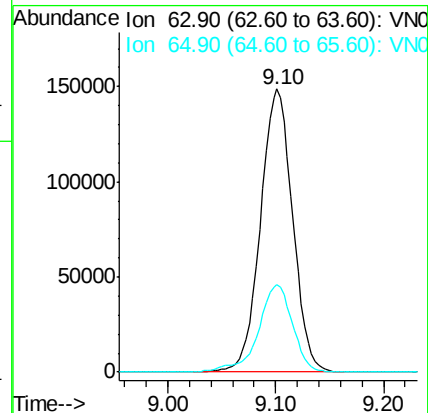
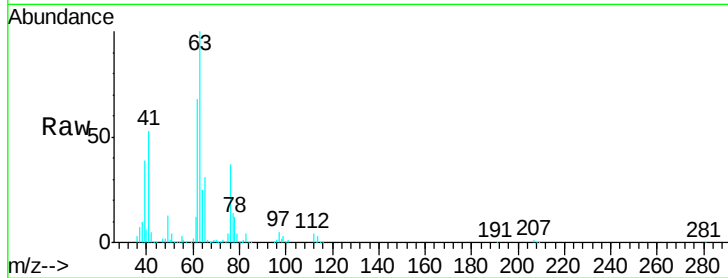
65 30.8 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

11/5/2019 2:00:15 PM



#46

Dibromomethane

Concen: 50.986 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

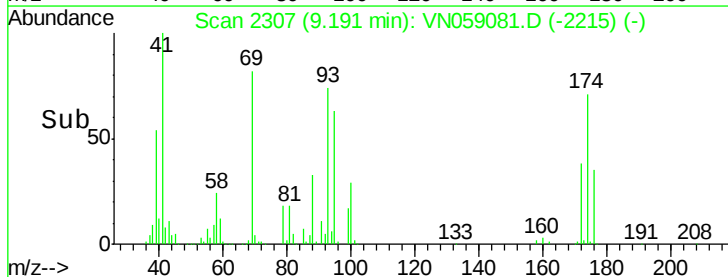
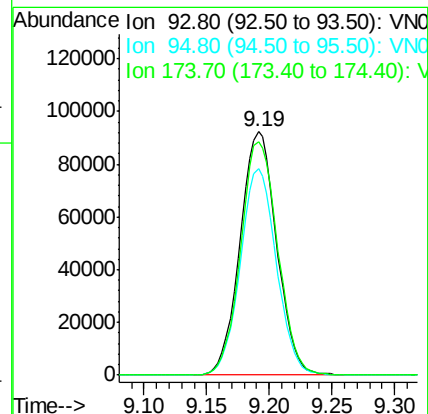
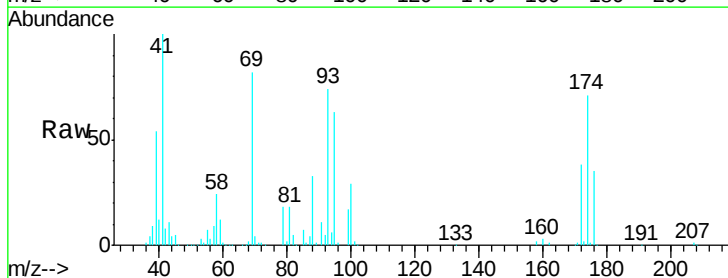
Tgt Ion: 93 Resp: 187290

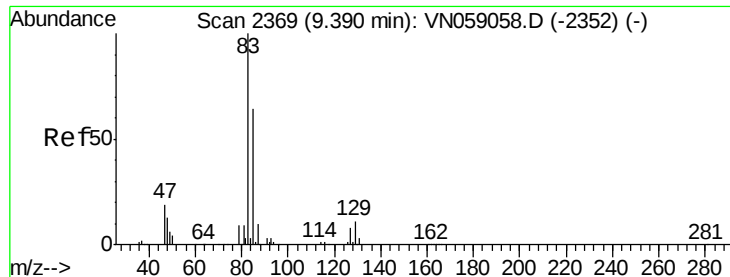
Ion Ratio Lower Upper

93 100

95 83.7 67.2 100.8

174 96.9 78.3 117.5





#47

Bromodichloromethane

Concen: 51.747 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

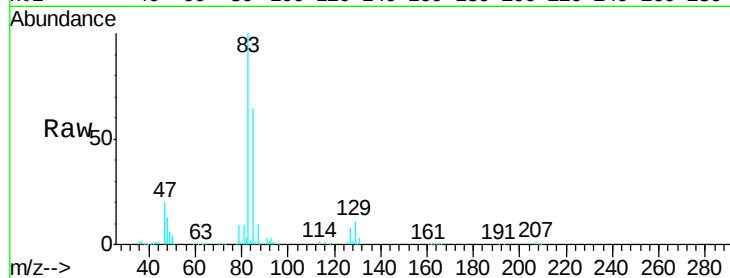
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	384957
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.2	76.8
127	8.2	6.5	9.7

Manual Integrations
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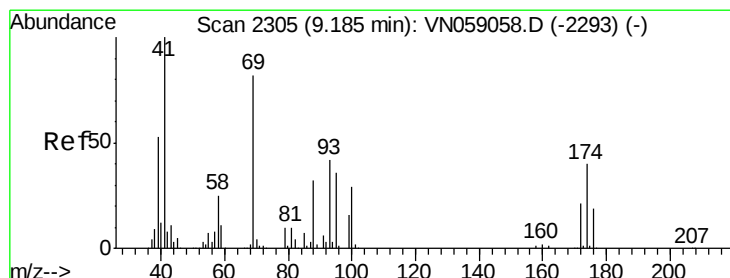
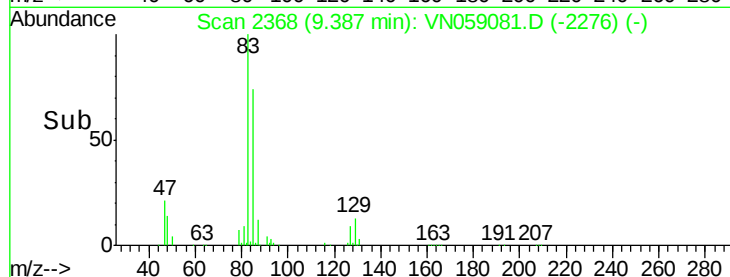
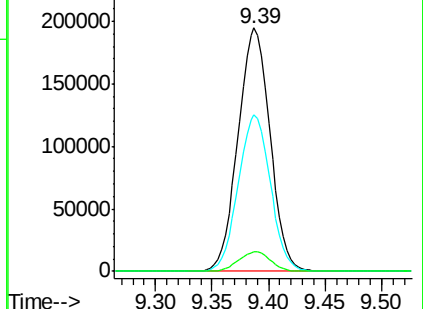
MMDadoda
11/5/2019 2:00:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VN059081.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059081.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059081.D (-2352) (-)



#48

Methyl methacrylate

Concen: 50.234 ug/l

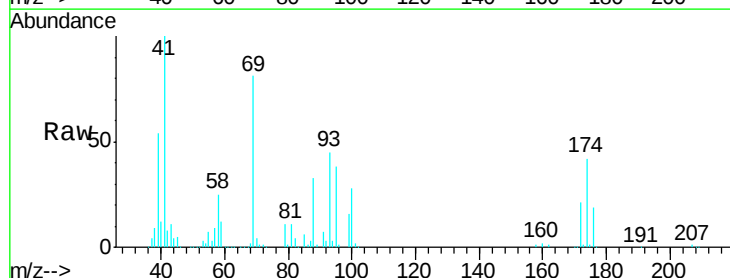
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

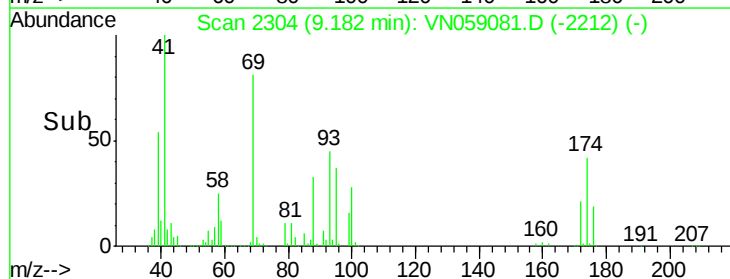
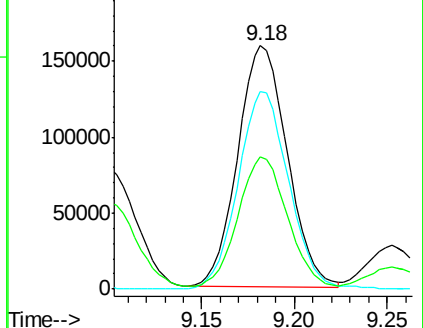
Tgt Ion:	41	Resp:	294717
Ion Ratio	Lower	Upper	
41	100		
69	83.8	67.1	100.7
39	55.2	43.3	64.9

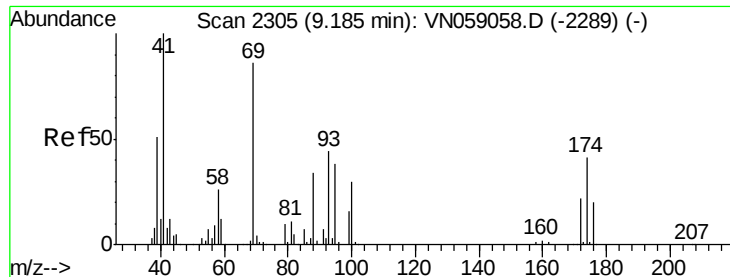


Abundance Ion 41.00 (40.70 to 41.70): VN059081.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN059081.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN059081.D (-2293) (-)





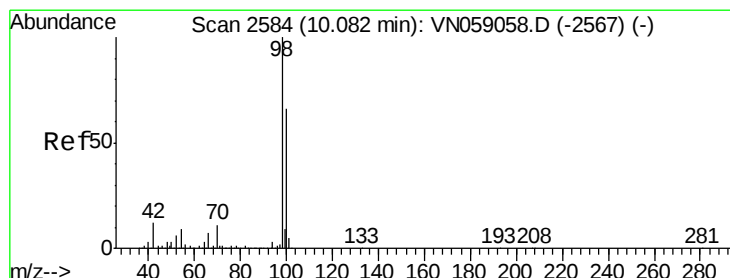
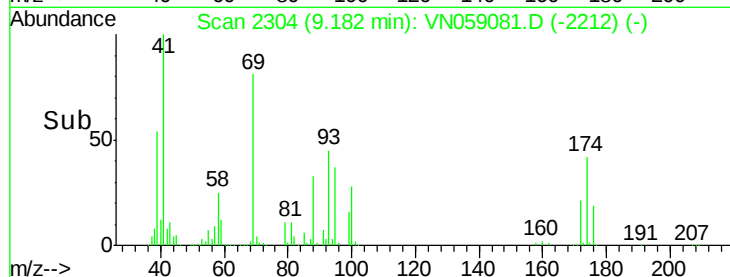
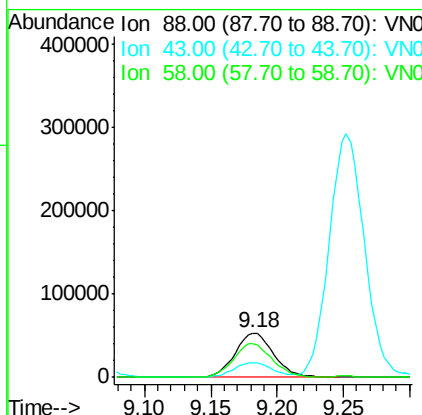
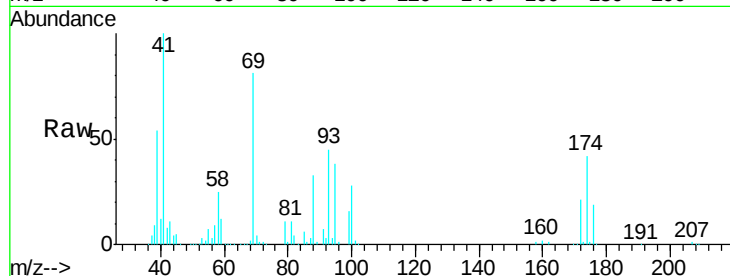
#49
1,4-Dioxane
Concen: 1123.896 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.2	39.2
58	76.6	59.1	88.7

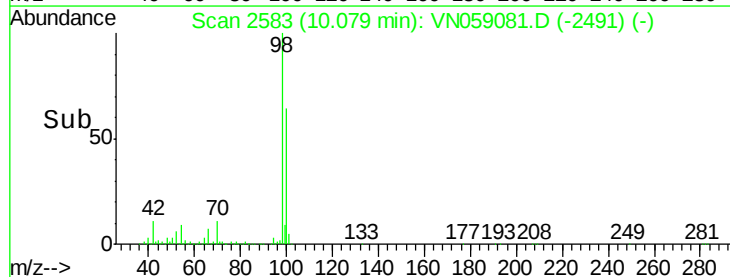
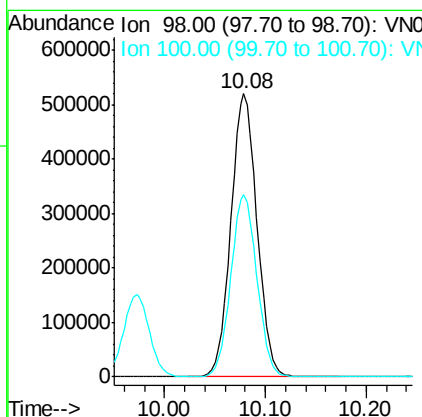
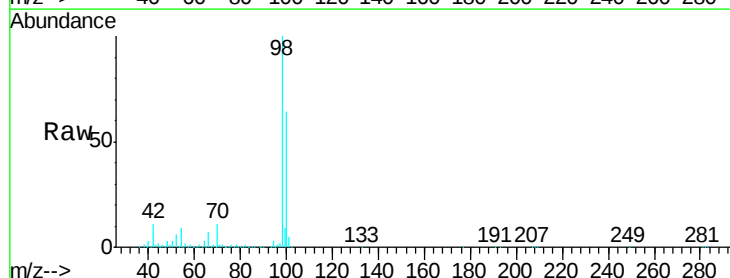
Manual Integrations
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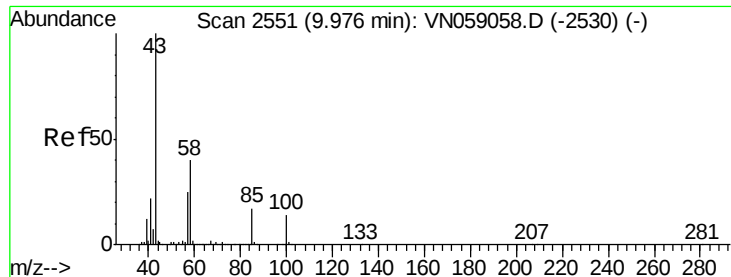
MMDadoda
11/5/2019 2:00:15 PM



#50
Toluene-d8
Concen: 50.111 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





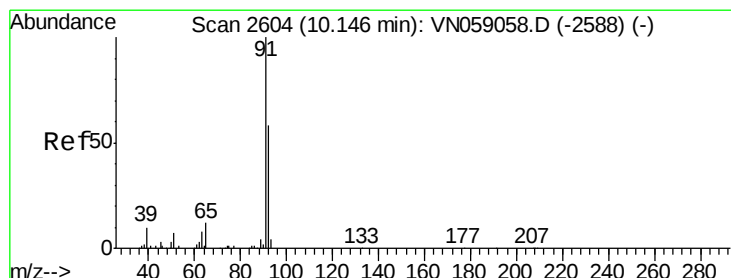
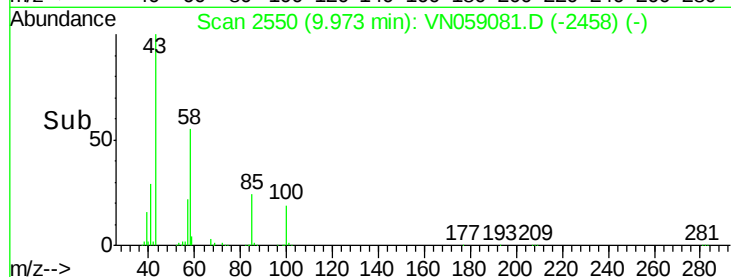
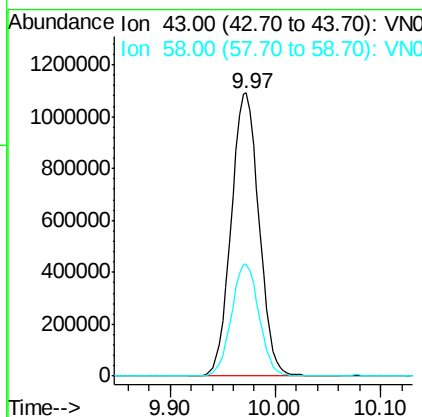
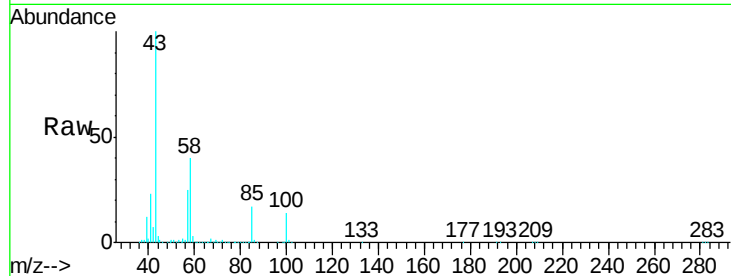
#51
 4-Methyl-2-Pentanone
 Concen: 266.495 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1991970
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.8 47.6

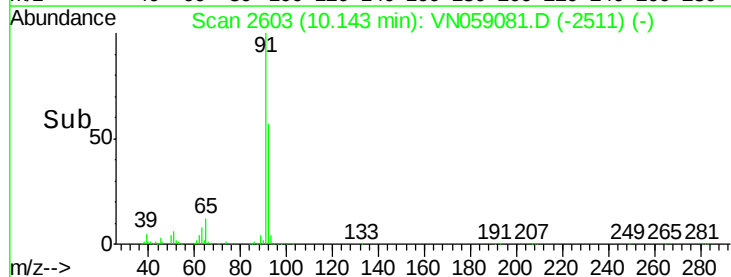
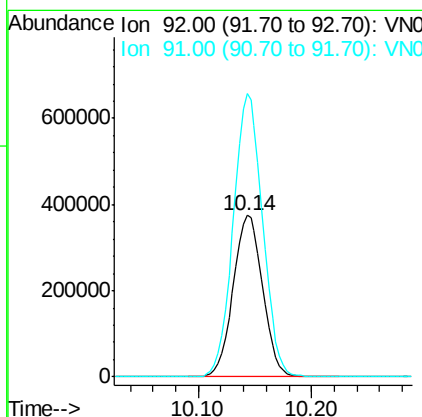
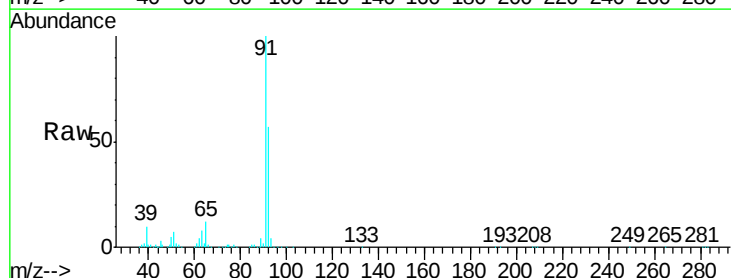
Manual Integrations
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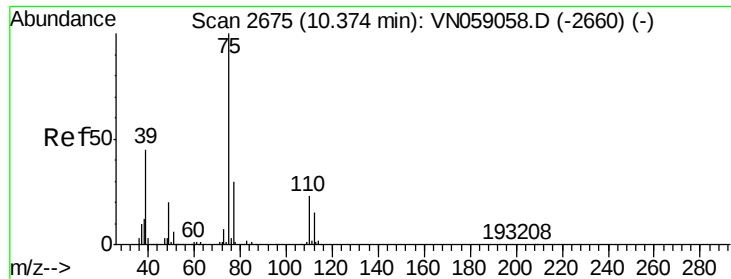
MMDadoda
 11/5/2019 2:00:15 PM



#52
 Toluene
 Concen: 52.885 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion: 92 Resp: 680997
 Ion Ratio Lower Upper
 92 100
 91 174.2 138.7 208.1





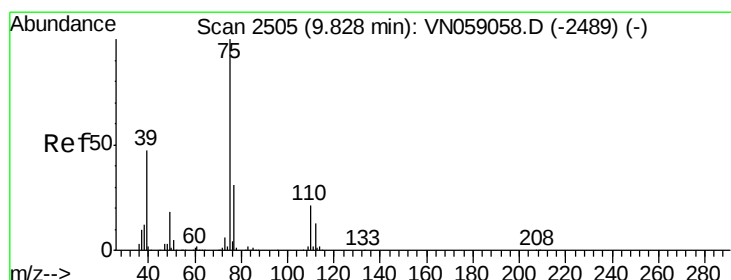
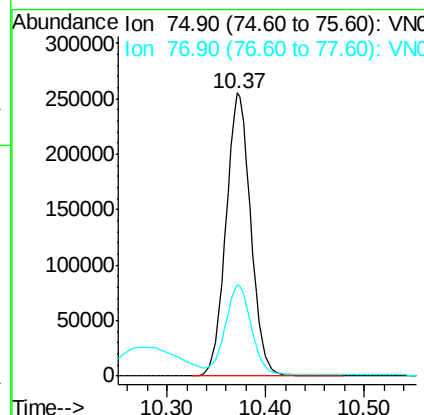
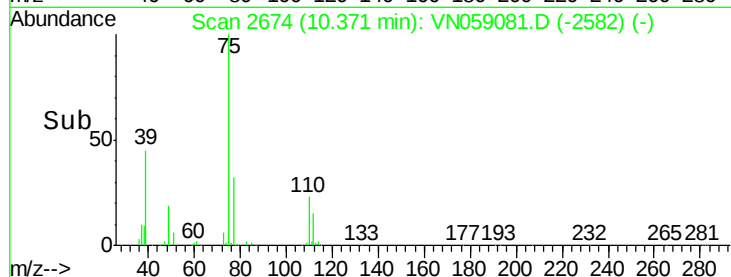
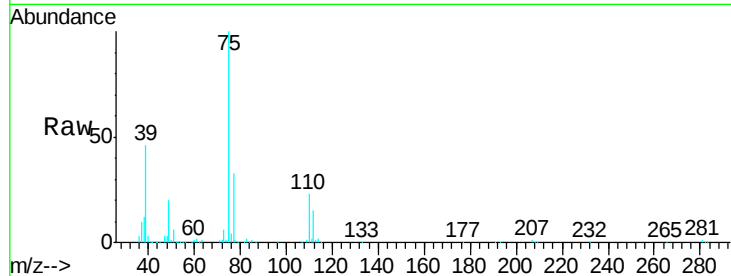
#53
t-1,3-Dichloropropene
Concen: 52.004 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 447349
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4

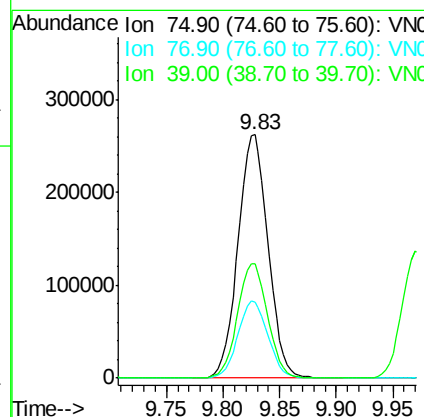
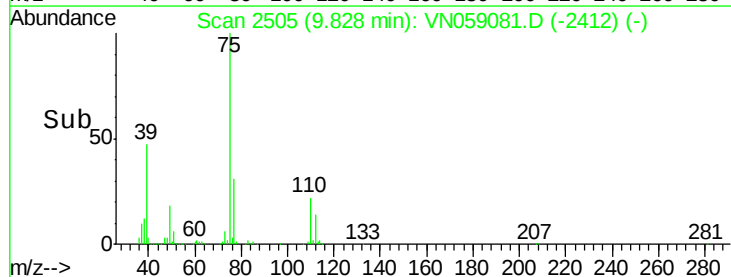
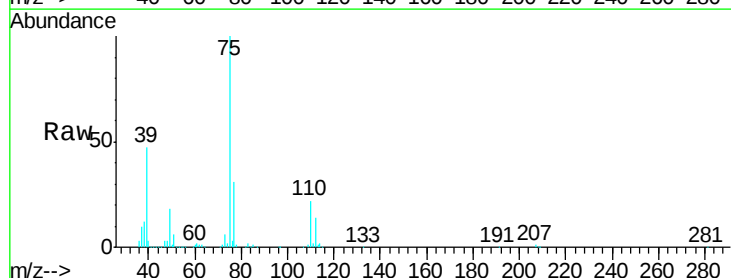
Manual Integrations
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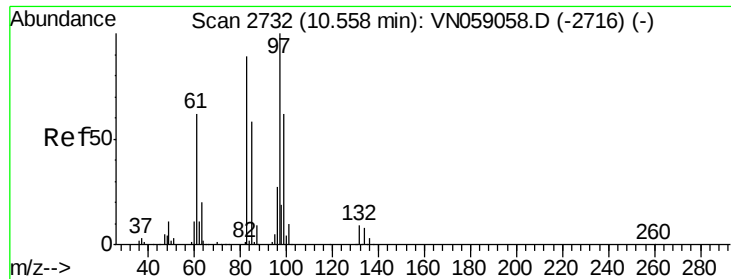
MMDadoda
11/5/2019 2:00:15 PM



#54
cis-1,3-Dichloropropene
Concen: 53.378 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion: 75 Resp: 484326
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0
39 46.8 37.4 56.2





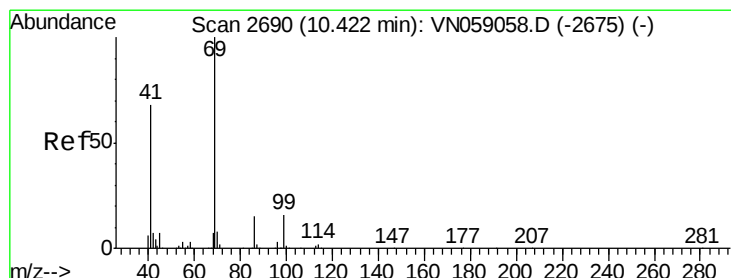
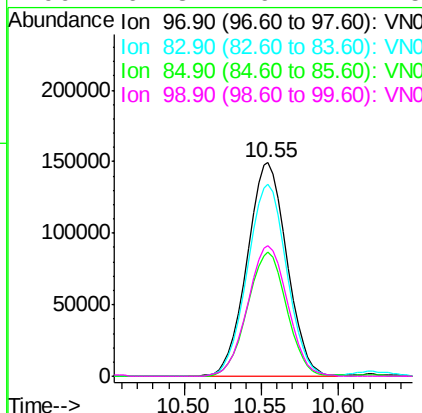
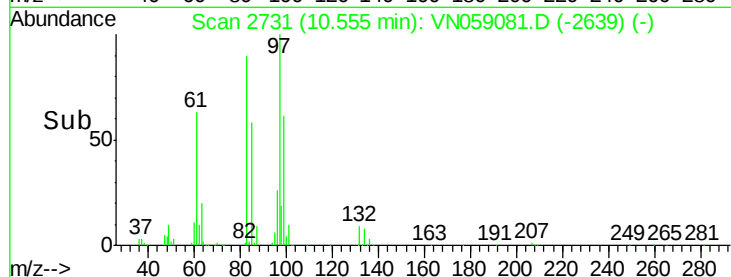
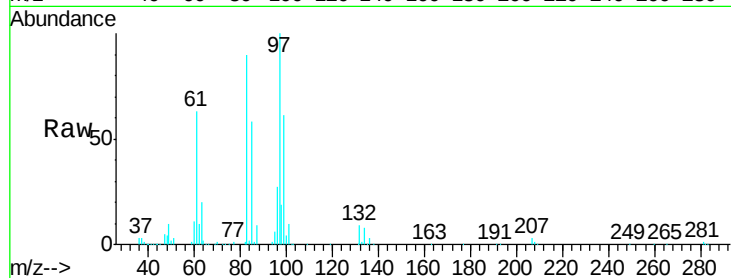
#55
 1,1,2-Trichloroethane
 Concen: 50.924 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.4	107.2
85	58.3	46.6	70.0
99	61.3	49.7	74.5

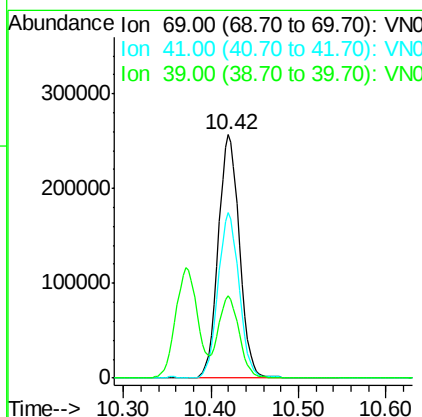
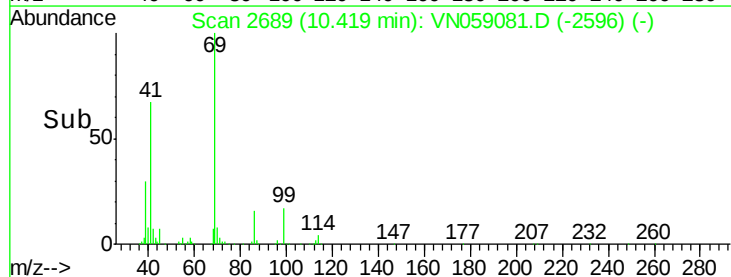
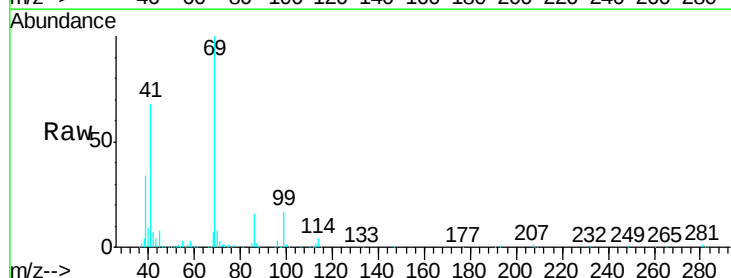
Manual Integrations
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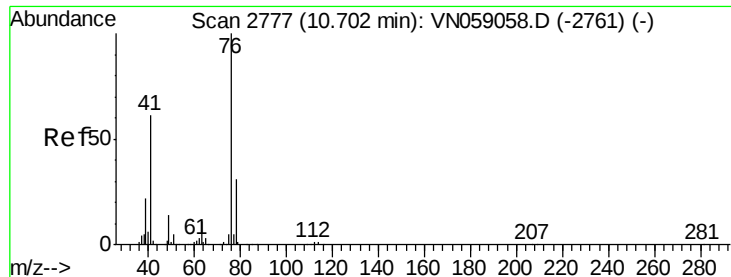
MMDadoda
 11/5/2019 2:00:15 PM



#56
 Ethyl methacrylate
 Concen: 48.572 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.8	80.8
39	33.3	26.2	39.2





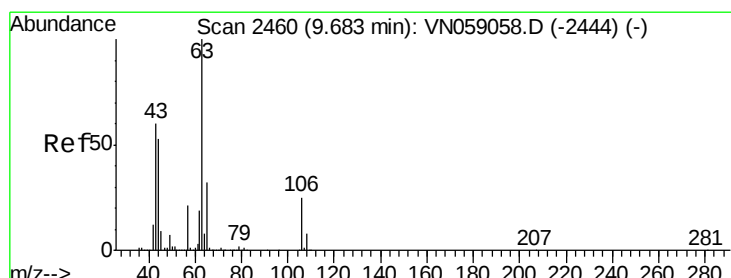
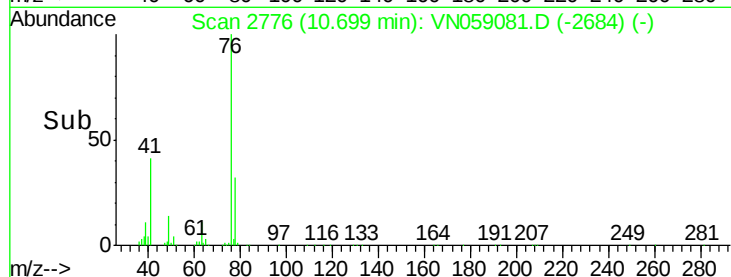
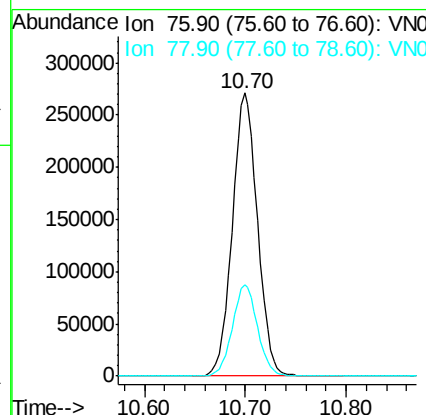
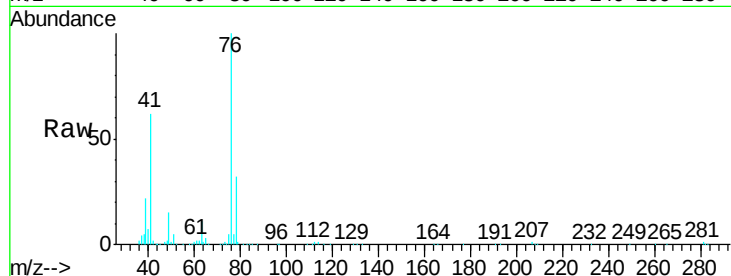
#57
 1,3-Dichloropropane
 Concen: 51.634 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 471037
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

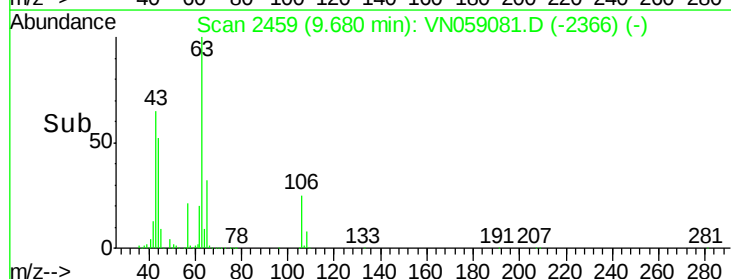
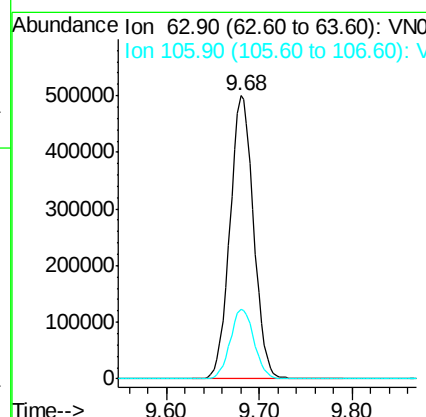
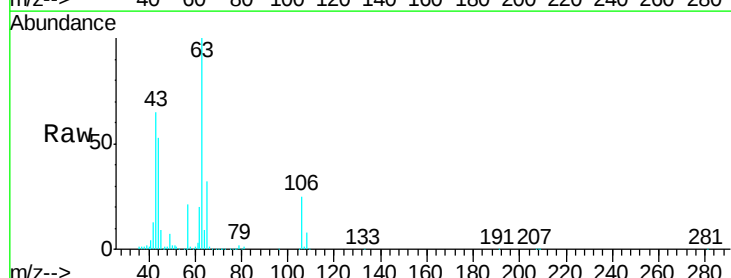
Manual Integrations
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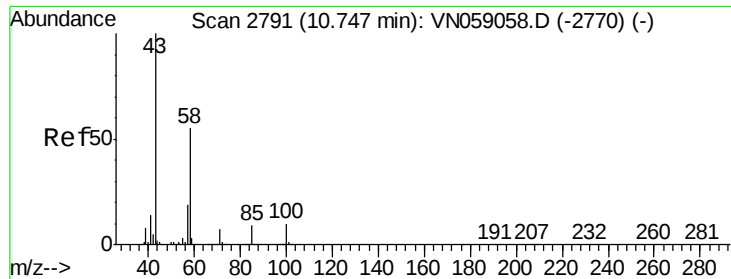
MMDadoda
 11/5/2019 2:00:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.356 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion: 63 Resp: 882418
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.8 29.6





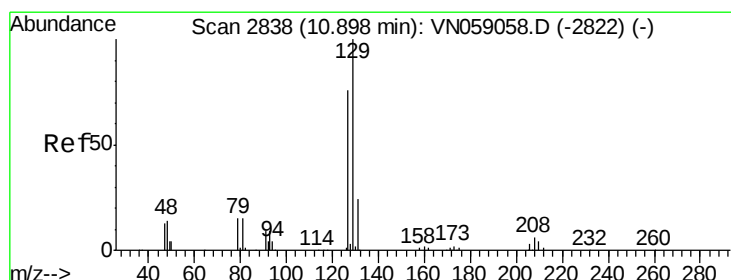
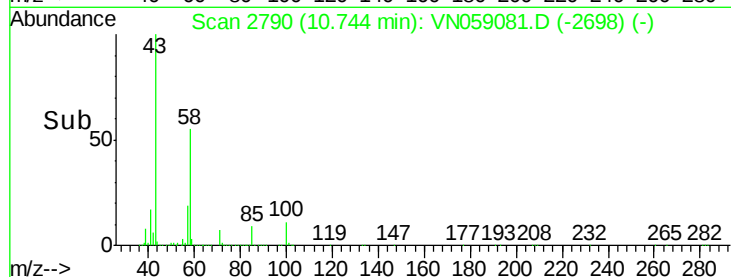
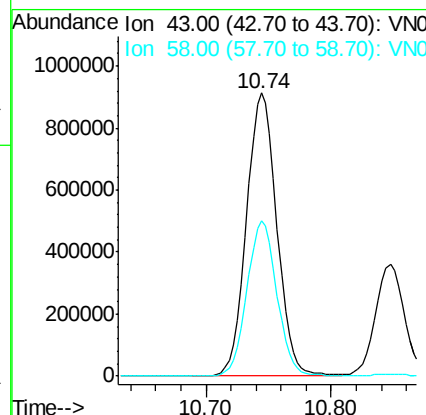
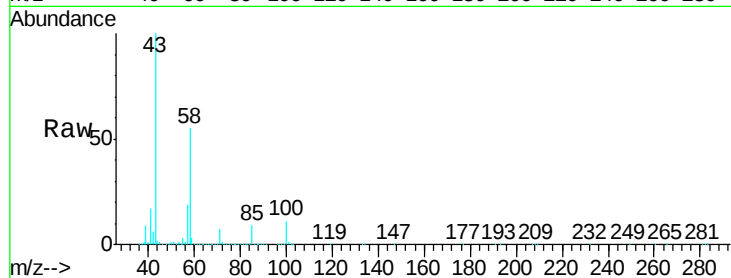
#59
2-Hexanone
Concen: 270.447 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1535737
Ion Ratio Lower Upper
43 100
58 54.2 27.4 82.2

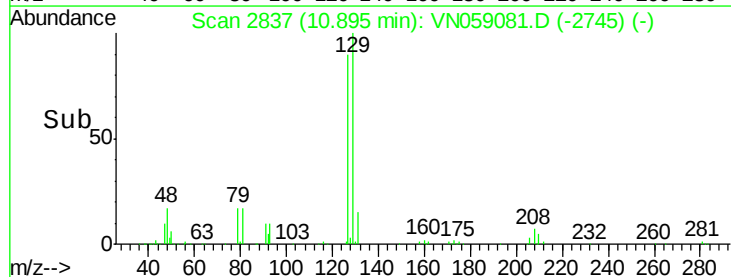
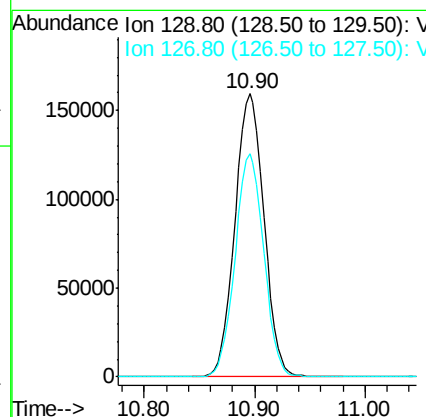
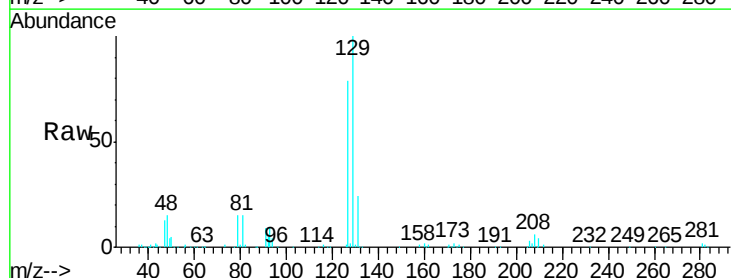
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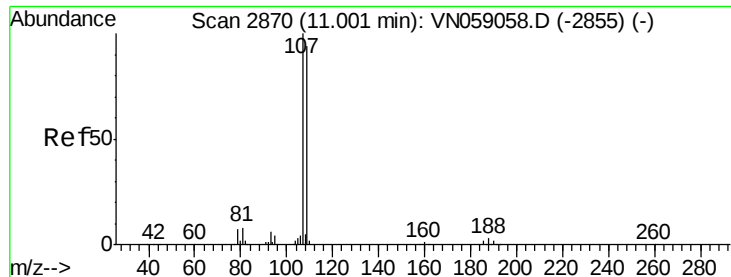
MMDadoda
11/5/2019 2:00:15 PM



#60
Dibromochloromethane
Concen: 51.644 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion: 129 Resp: 291948
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 51.675 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 274605

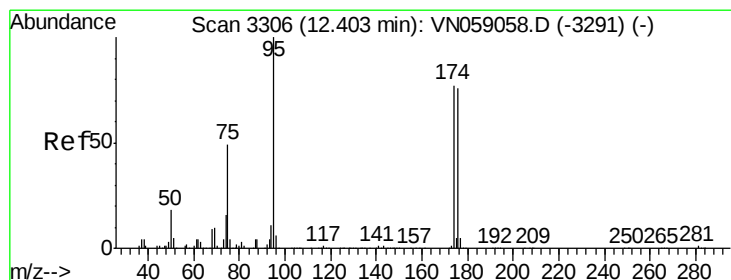
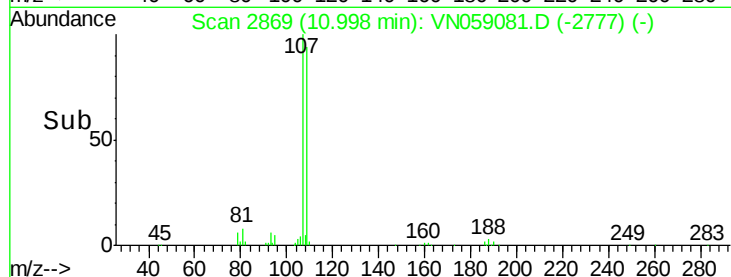
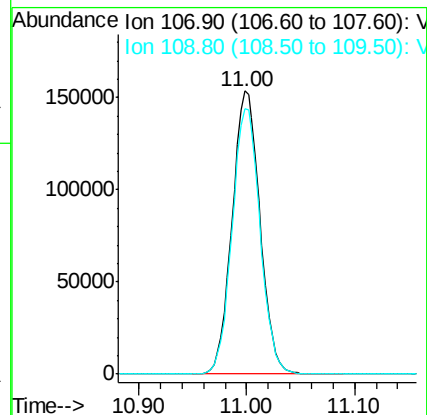
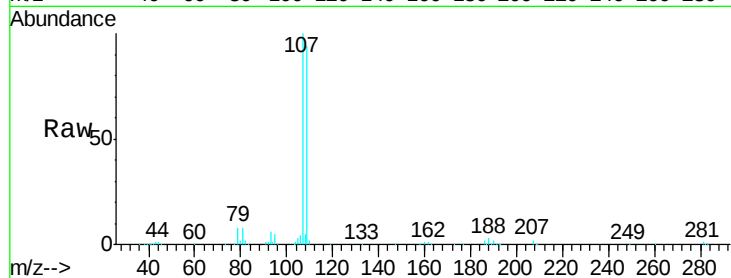
Ion Ratio Lower Upper

107 100

109 94.5 75.5 113.3

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MMDadoda
11/5/2019 2:00:15 PM



#62

4-Bromofluorobenzene

Concen: 51.724 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

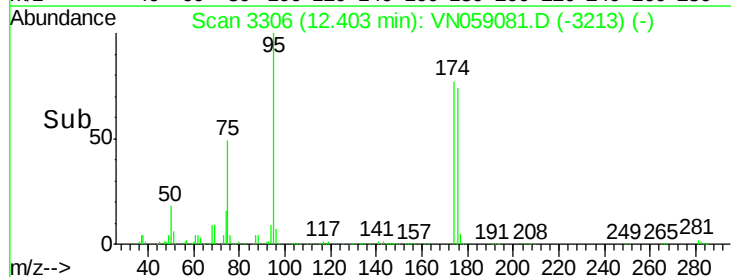
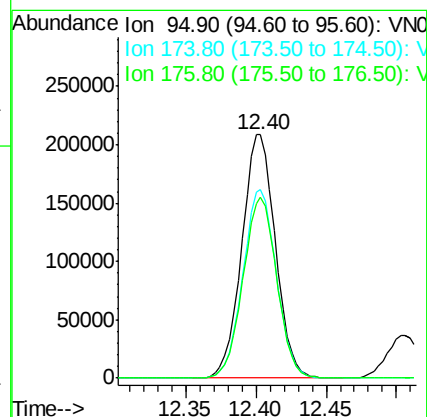
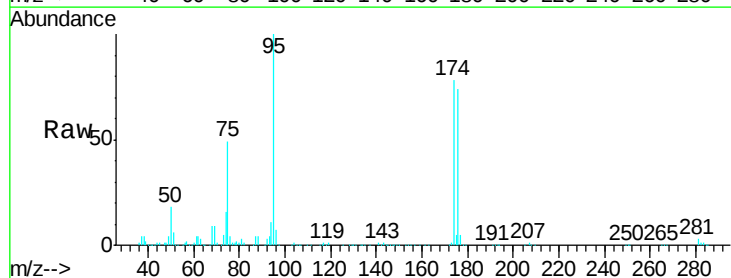
Tgt Ion: 95 Resp: 347953

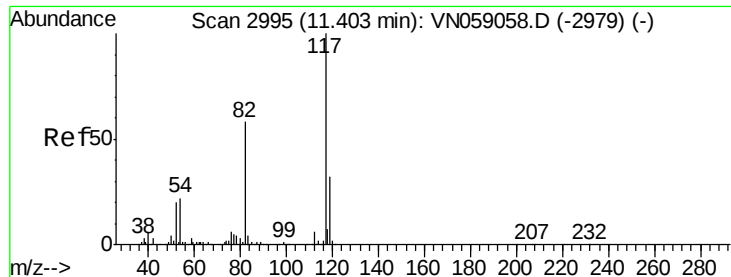
Ion Ratio Lower Upper

95 100

174 77.5 0.0 155.8

176 74.6 0.0 151.6





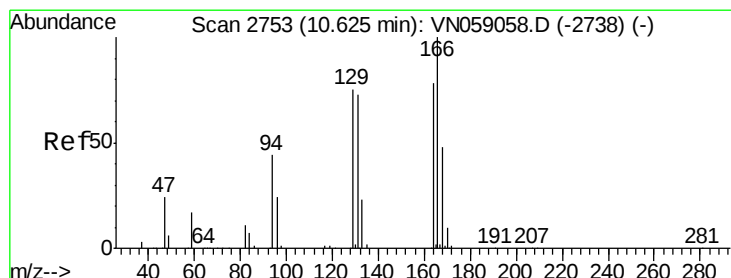
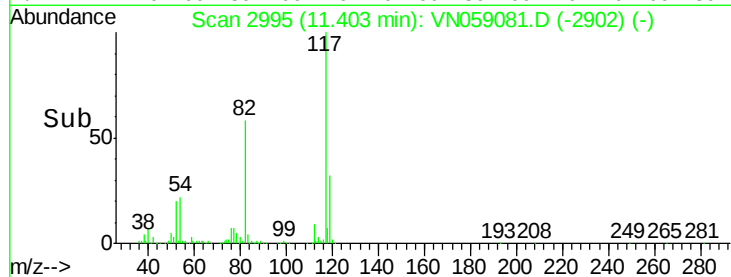
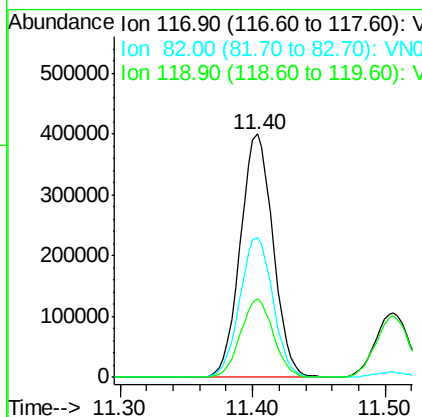
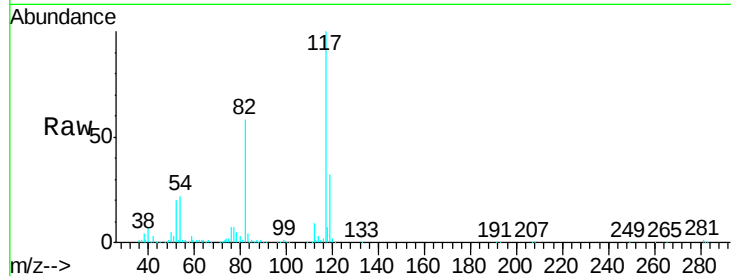
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	685345		
82	57.6	46.0	69.0	
119	32.1	25.6	38.4	

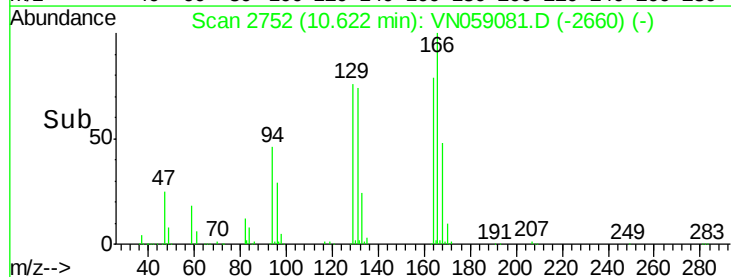
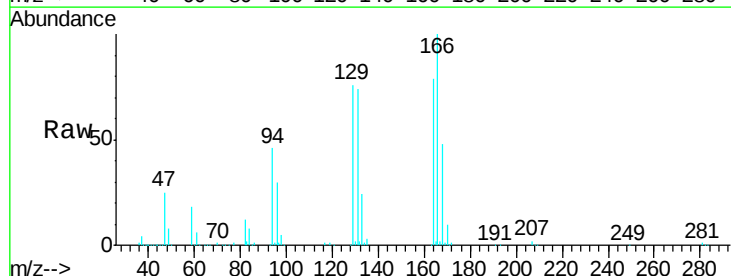
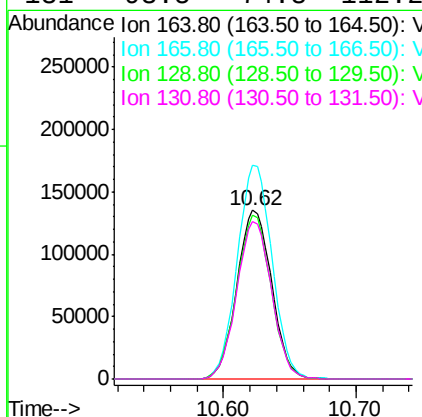
Manual Integrations
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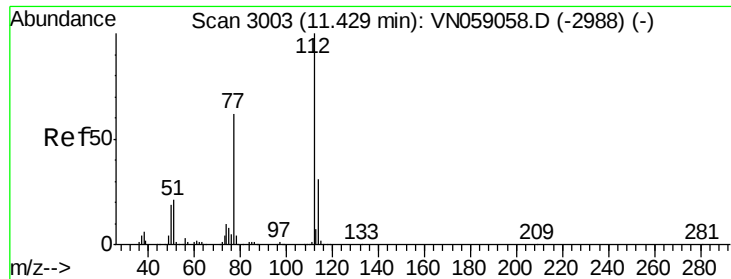
MMDadoda
11/5/2019 2:00:15 PM



#64
Tetrachloroethene
Concen: 51.517 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	246634		
166	126.7	102.7	154.1	
129	96.9	77.3	115.9	
131	93.5	74.8	112.2	





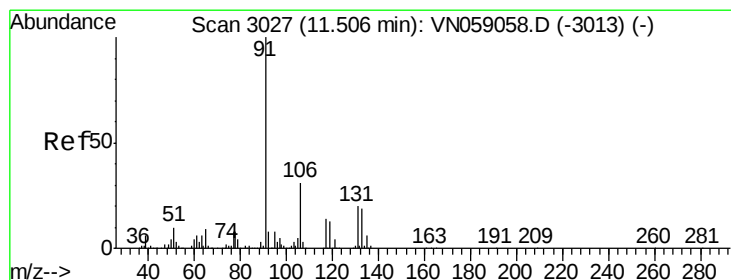
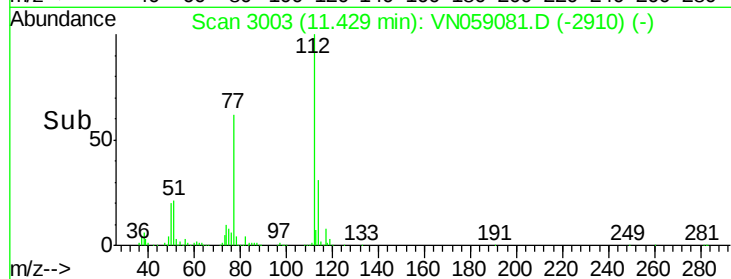
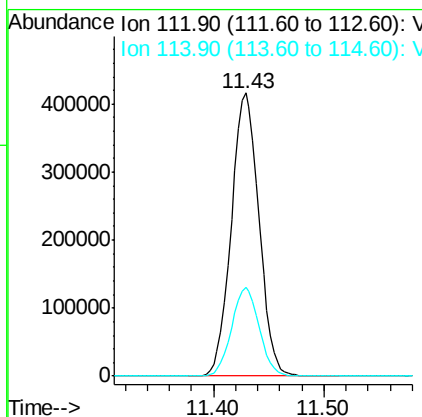
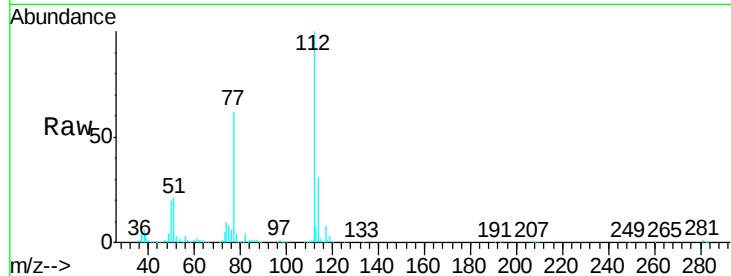
#65
Chlorobenzene
Concen: 51.442 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.6

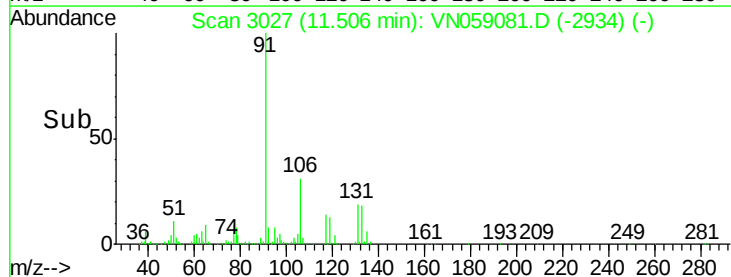
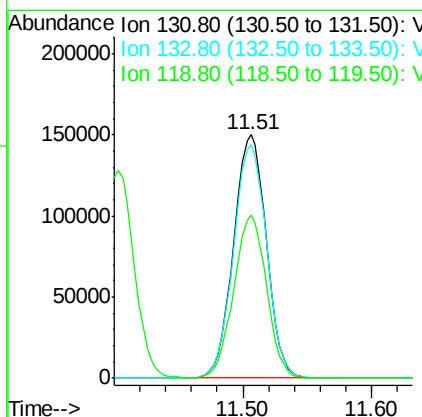
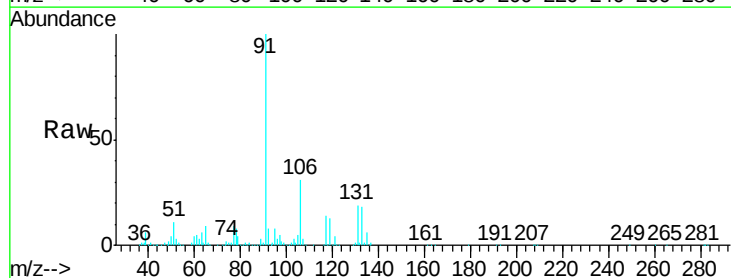
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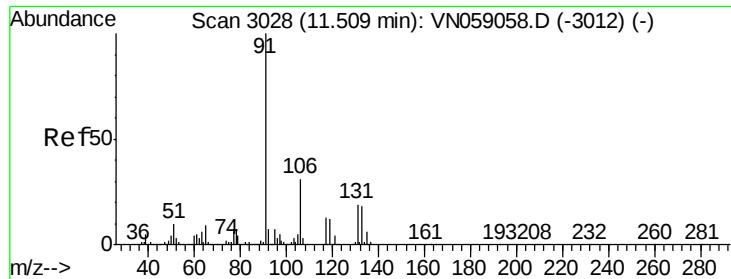
MMDadoda
11/5/2019 2:00:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.181 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.9	143.6
119	67.0	33.5	100.5





#67

Ethyl Benzene

Concen: 54.369 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1323876

Ion Ratio Lower Upper

91 100

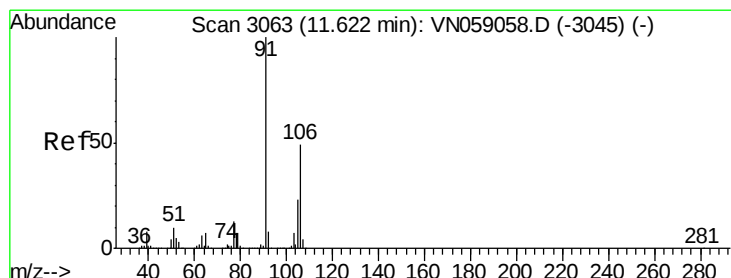
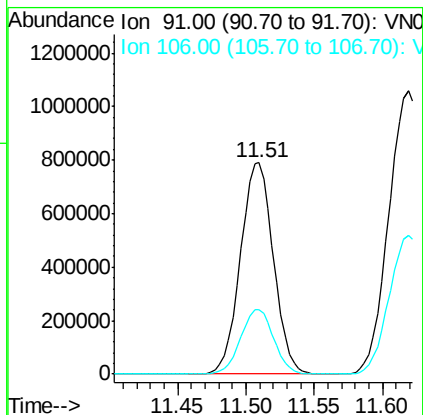
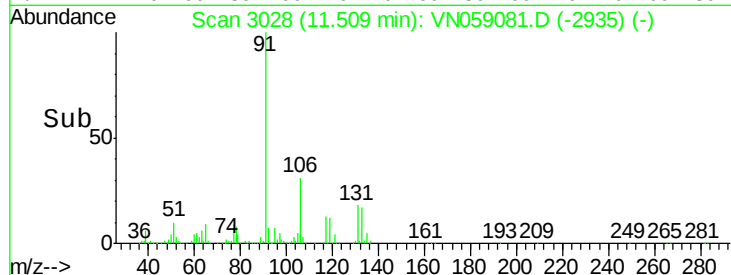
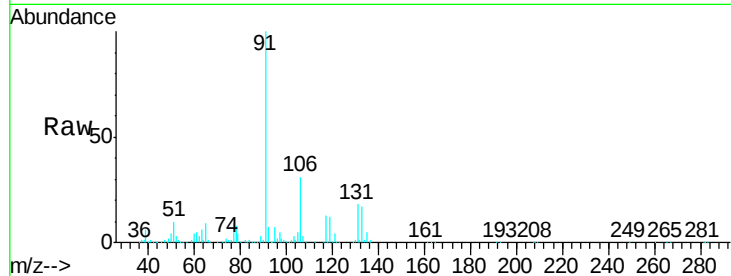
106 30.8 24.6 36.8

Manual Integrations

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MMDadoda

11/5/2019 2:00:15 PM



#68

m/p-Xylenes

Concen: 108.443 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059081.D

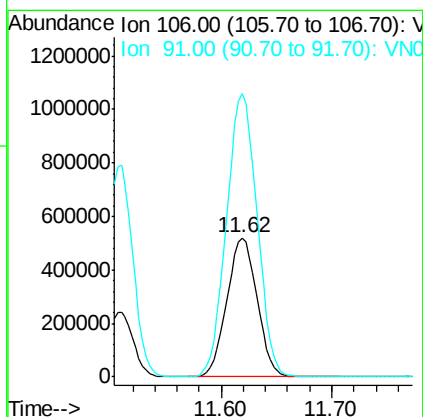
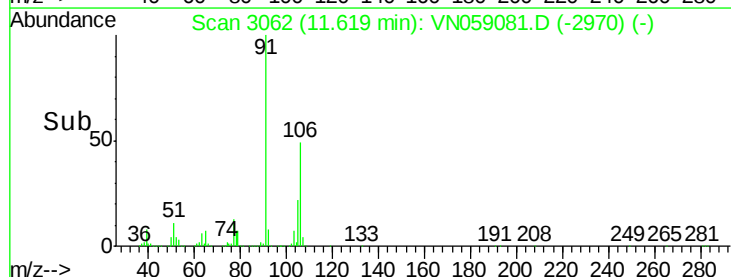
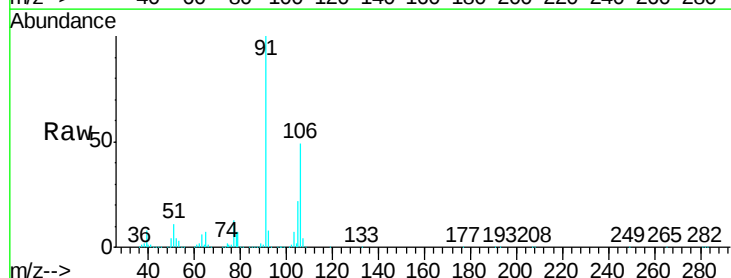
Acq: 4 Nov 2019 14:57

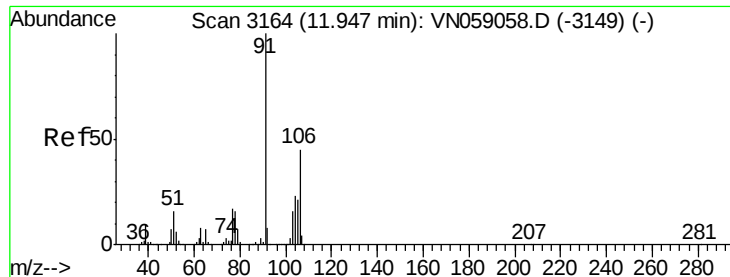
Tgt Ion: 106 Resp: 986018

Ion Ratio Lower Upper

106 100

91 206.6 165.7 248.5





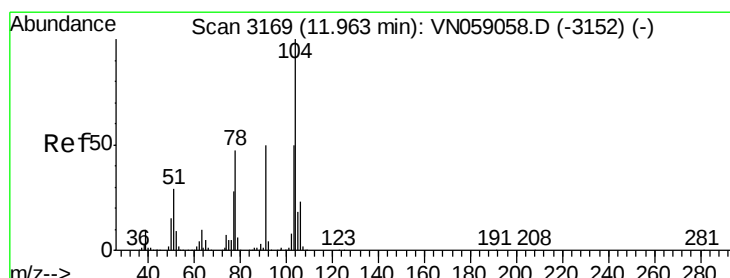
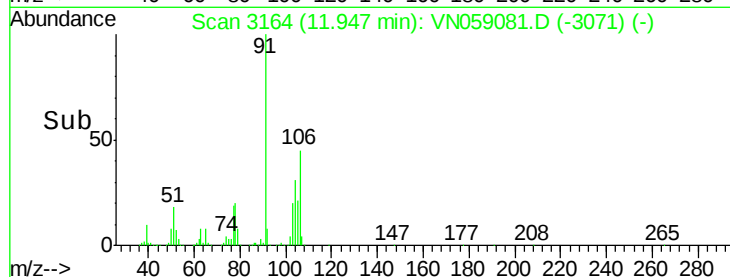
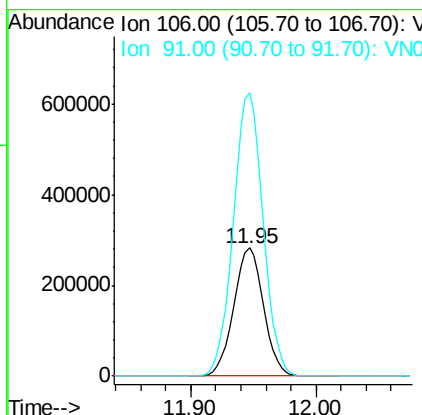
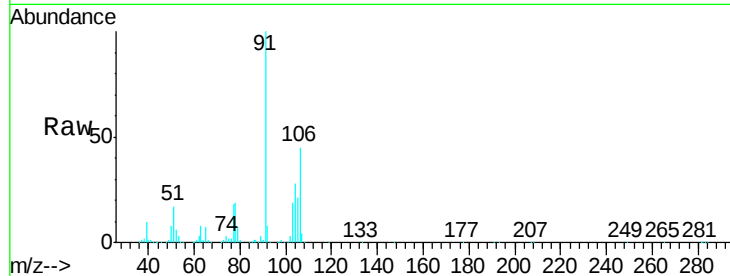
#69
o-Xylene
Concen: 53.650 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 465813
Ion Ratio Lower Upper
106 100
91 220.2 110.4 331.2

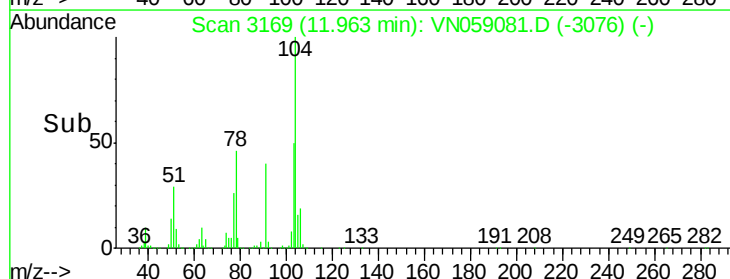
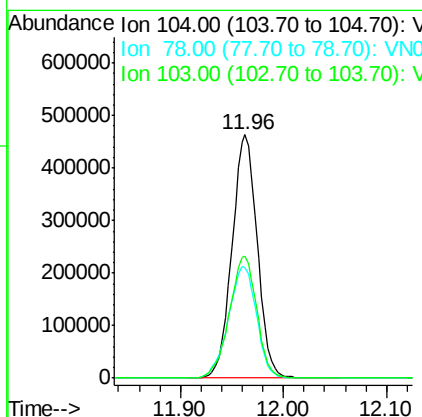
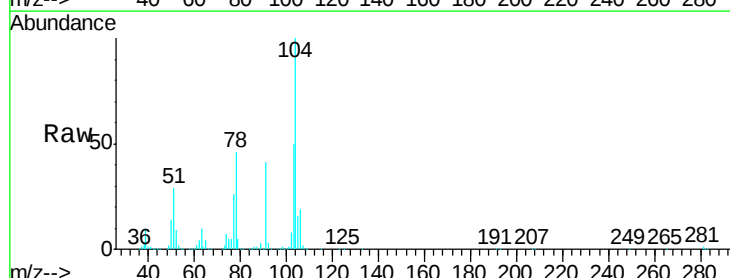
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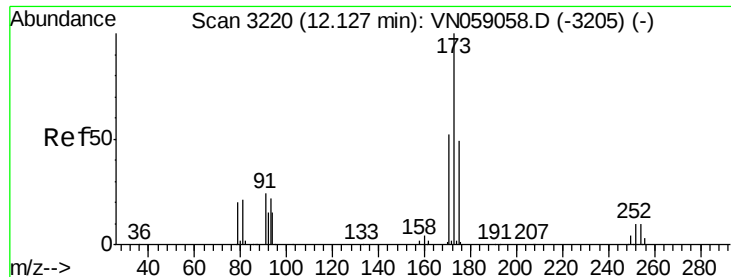
MMDadoda
11/5/2019 2:00:15 PM



#70
Styrene
Concen: 56.160 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion:104 Resp: 790179
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 54.4 43.9 65.9





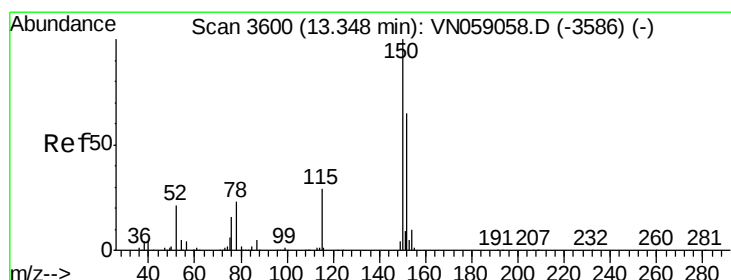
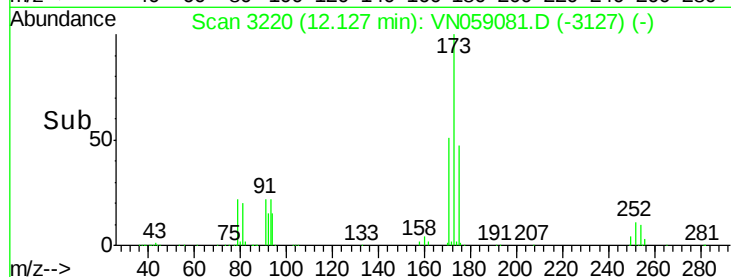
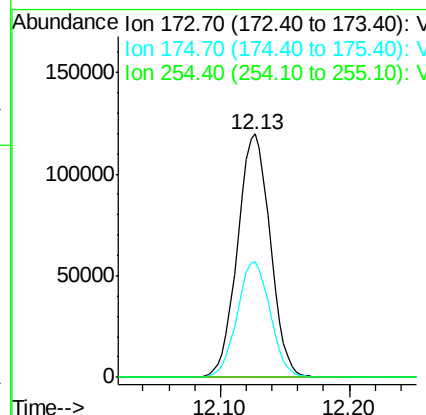
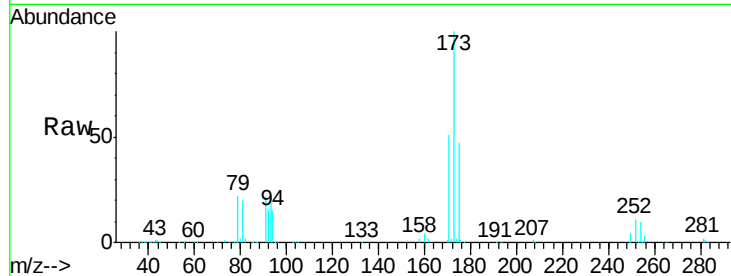
#71
Bromoform
Concen: 52.800 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.2
254	0.1	0.1	0.1#

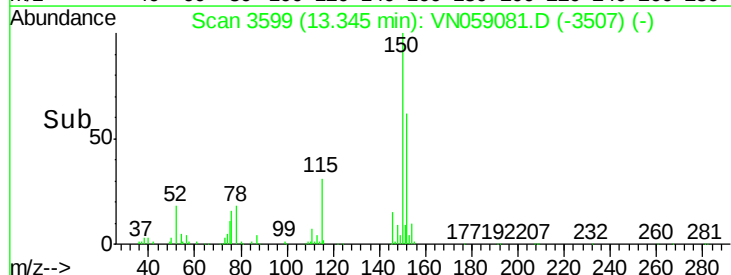
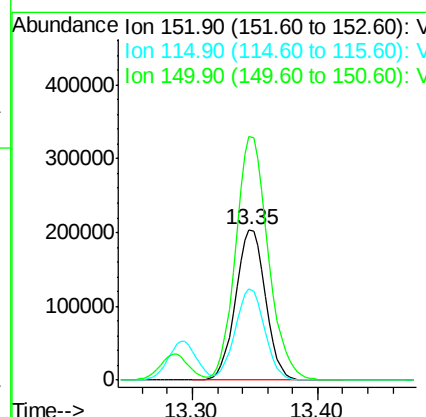
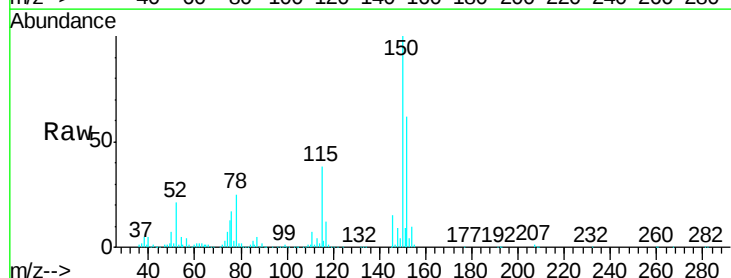
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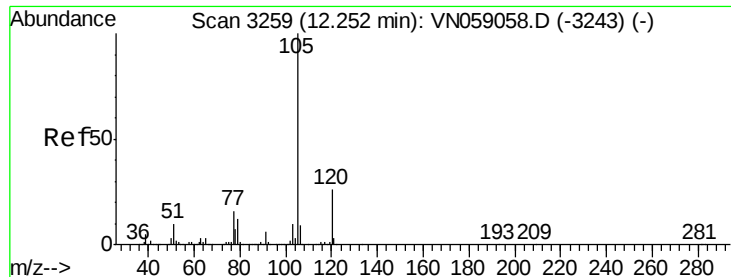
MMDadoda
11/5/2019 2:00:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.6	88.9
150	176.5	0.0	345.8





#73

Isopropylbenzene

Concen: 51.455 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 1273991

Ion Ratio Lower Upper

105 100

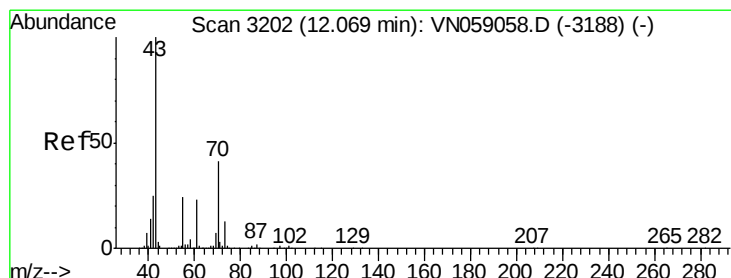
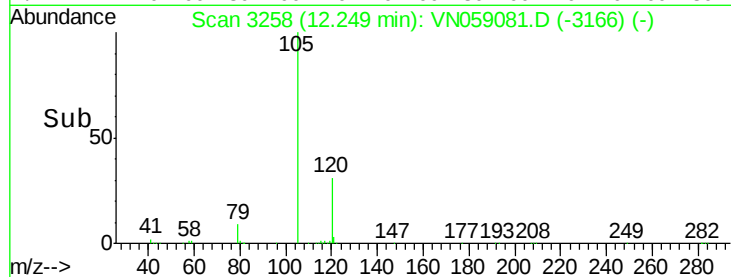
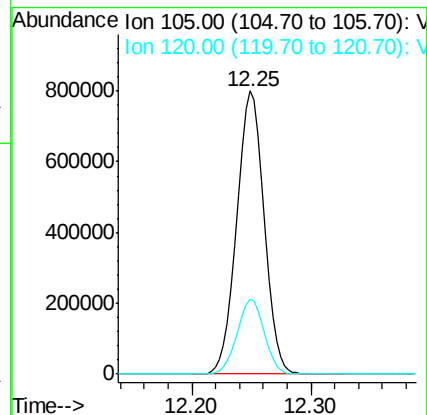
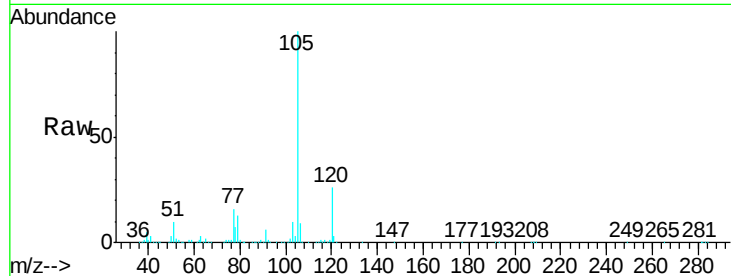
120 26.2 13.1 39.1

Manual Integrations

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11/5/2019 2:00:15 PM



#74

N-ethyl acetate

Concen: 50.334 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion: 43 Resp: 554375

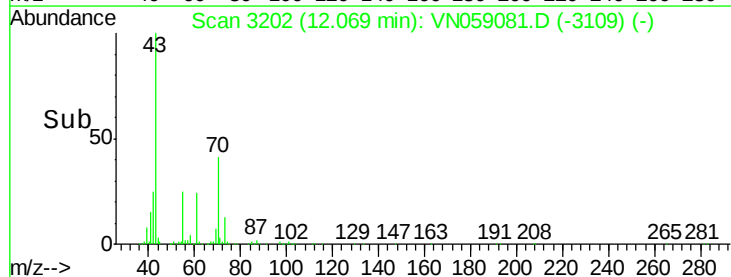
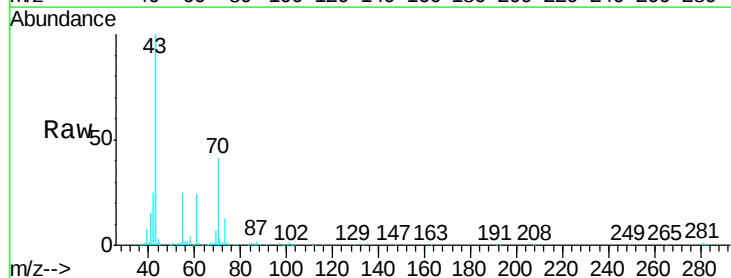
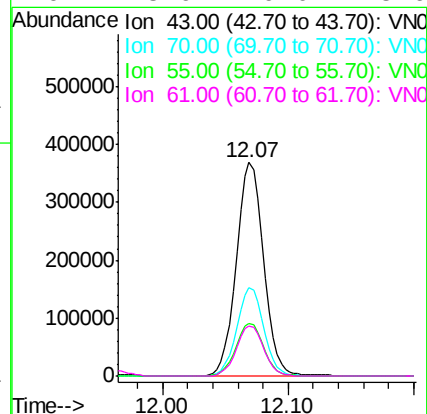
Ion Ratio Lower Upper

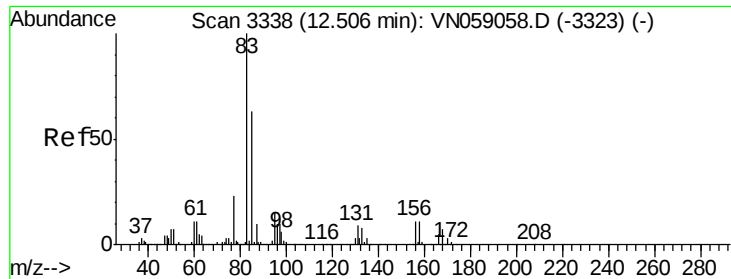
43 100

70 41.4 32.6 49.0

55 25.3 19.7 29.5

61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.547 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 410537
Ion Ratio Lower Upper

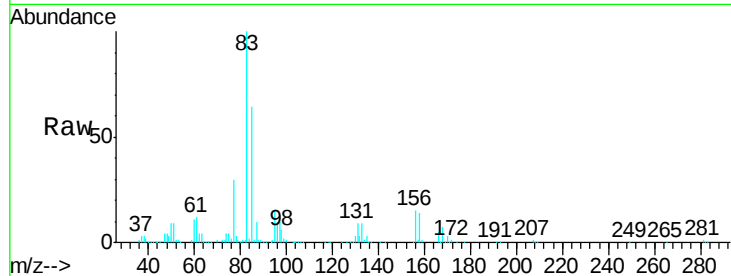
83 100

131 9.5 4.9 14.7

85 63.9 31.9 95.9

Manual Integrations
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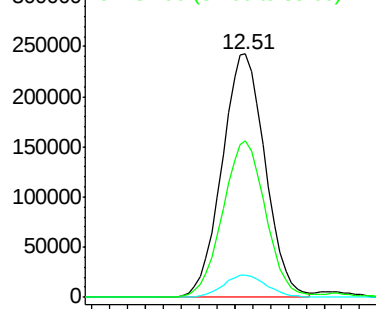
MMDadoda
11/5/2019 2:00:15 PM



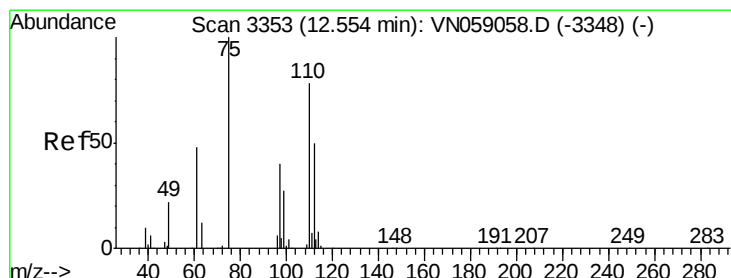
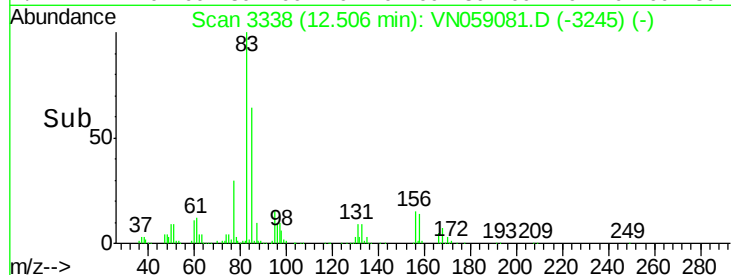
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 46.139 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

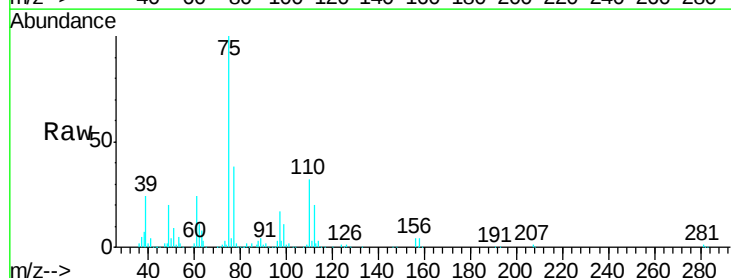
Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion: 75 Resp: 367459
Ion Ratio Lower Upper

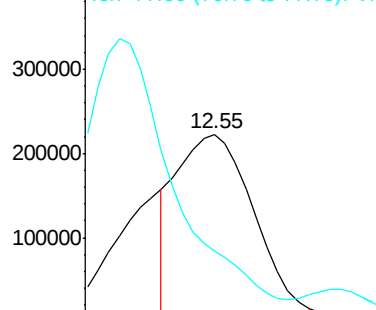
75 100

77 0.0 0.0 0.0

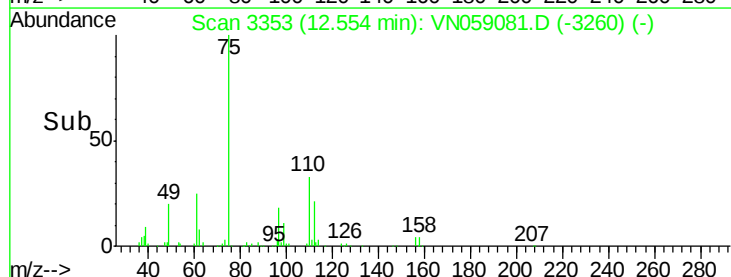


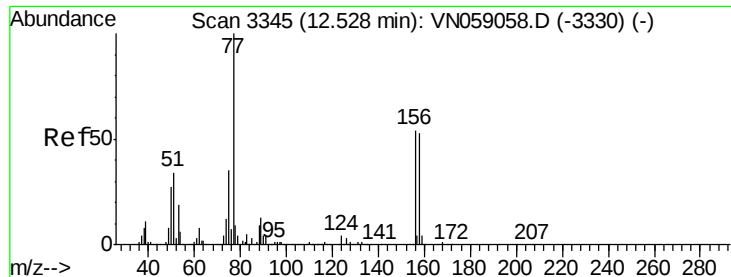
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 49.730 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

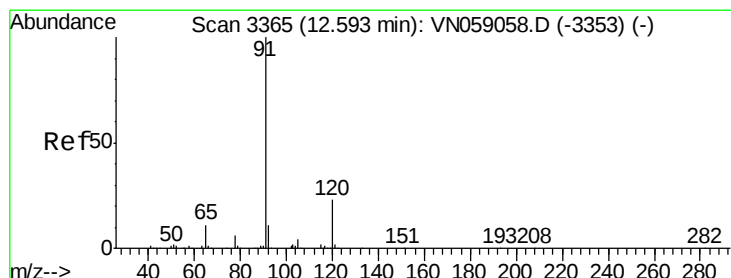
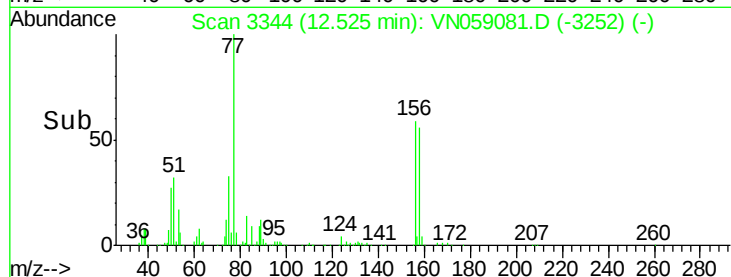
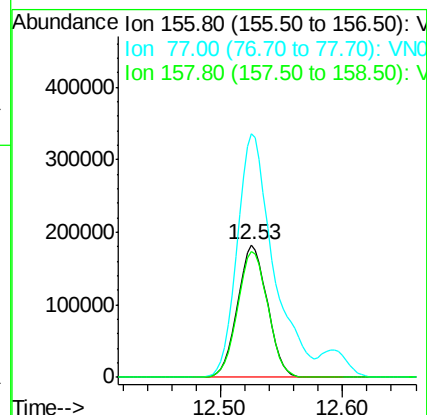
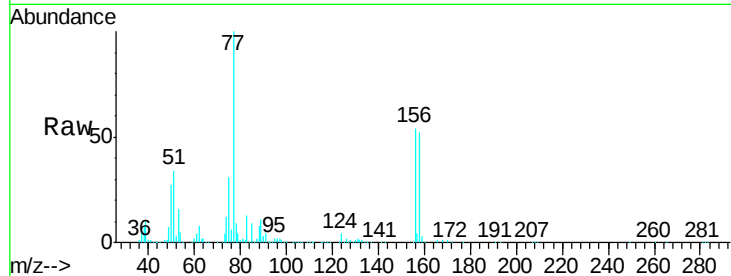
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	307871
Ion Ratio	Lower	Upper	
156	100		
77	225.0	114.2	342.6
158	96.9	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 52.683 ug/l

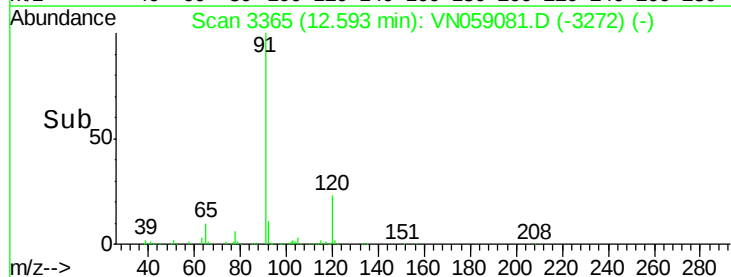
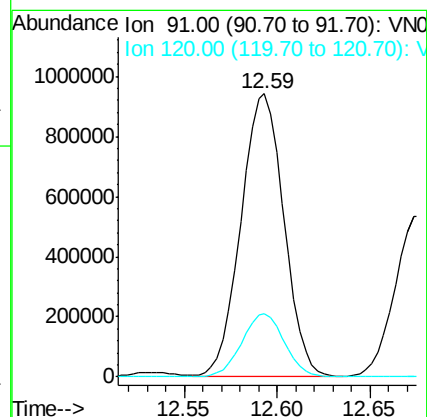
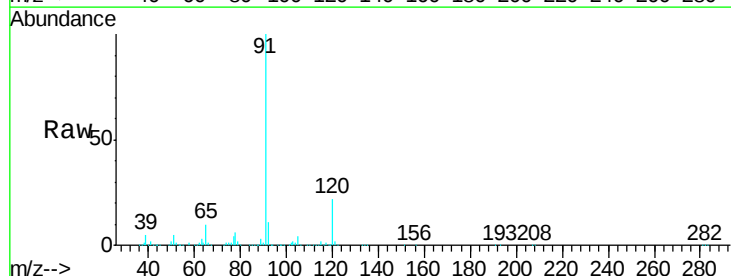
RT: 12.59 min Scan# 3365

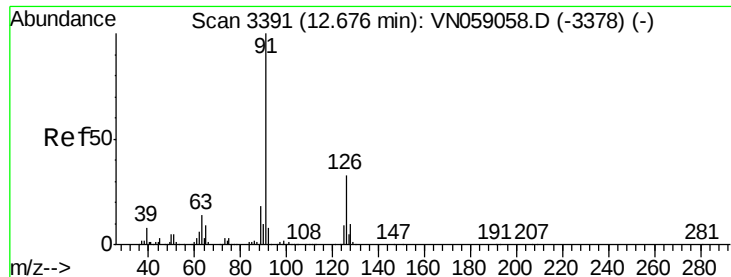
Delta R.T. 0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion:	91	Resp:	1510751
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





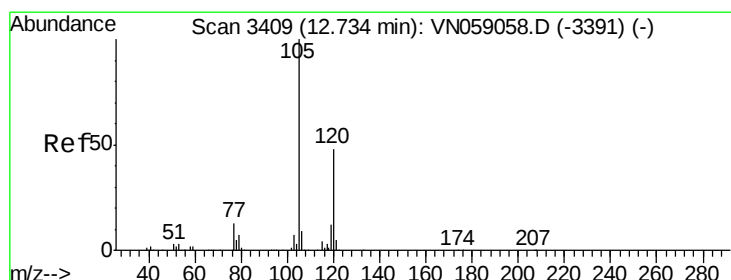
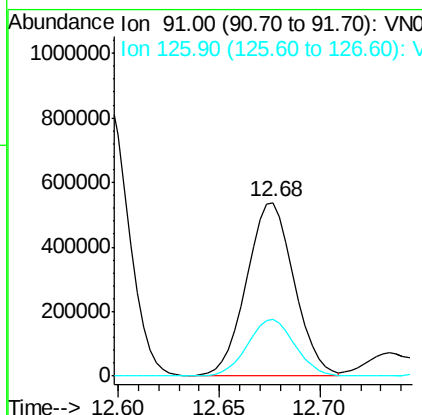
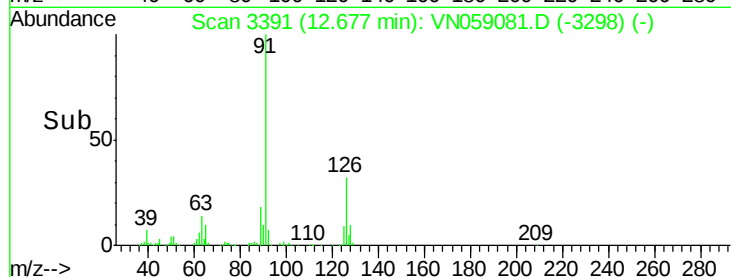
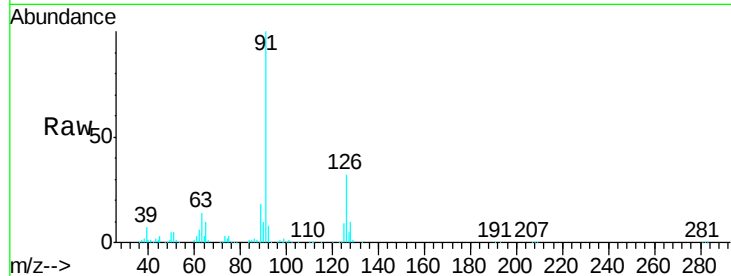
#79
 2-Chlorotoluene
 Concen: 49.618 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 883501
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.8

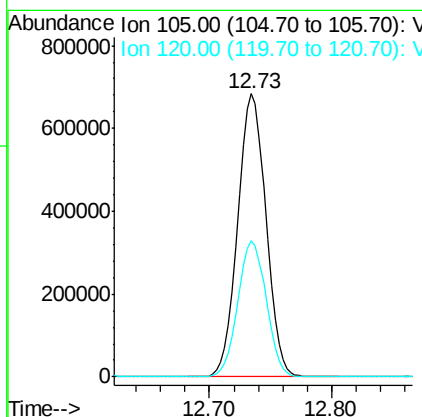
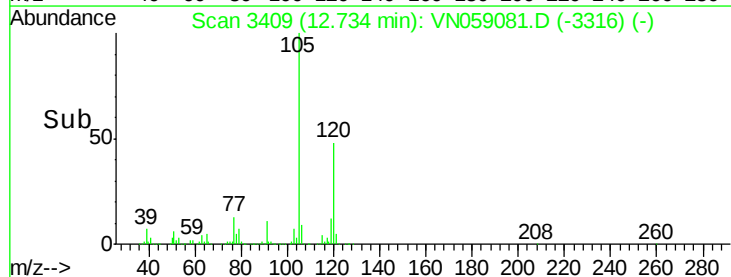
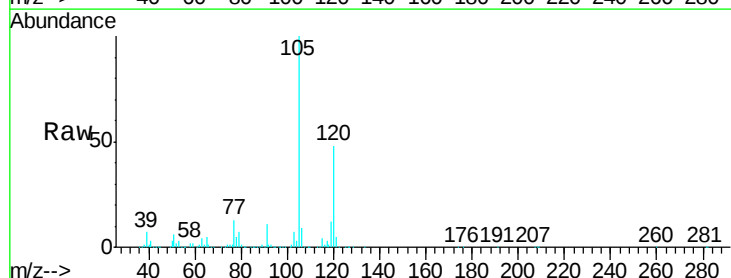
Manual Integrations
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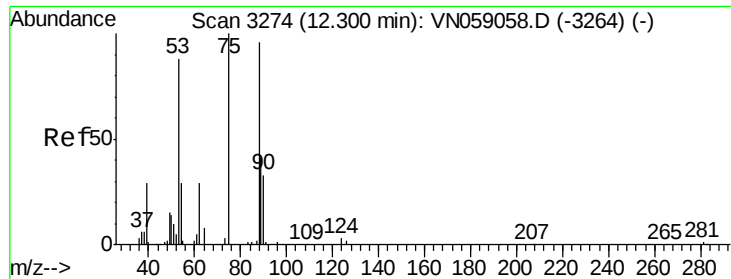
MMDadoda
 11/5/2019 2:00:15 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.760 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion: 105 Resp: 1089169
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.519 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

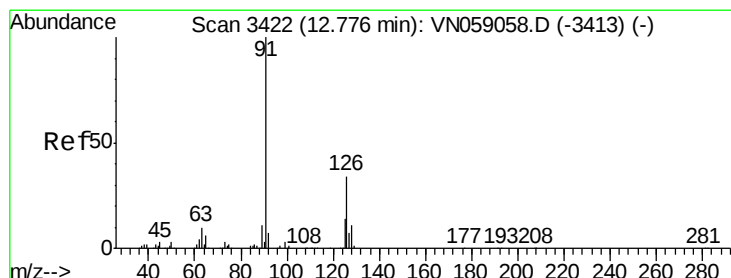
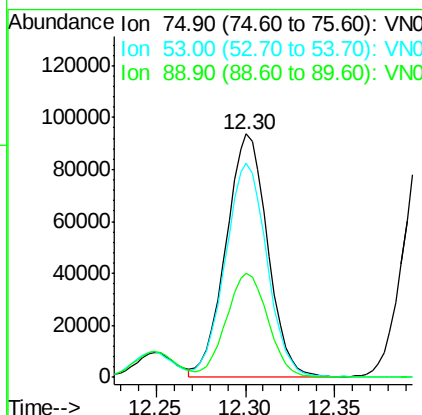
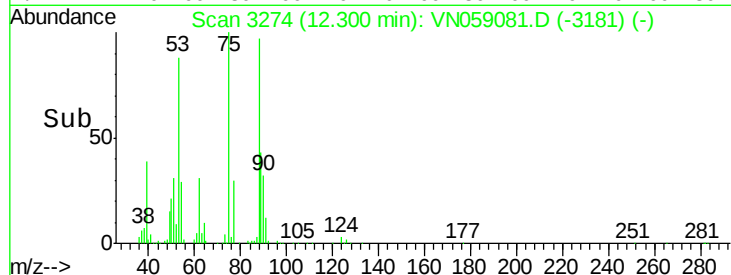
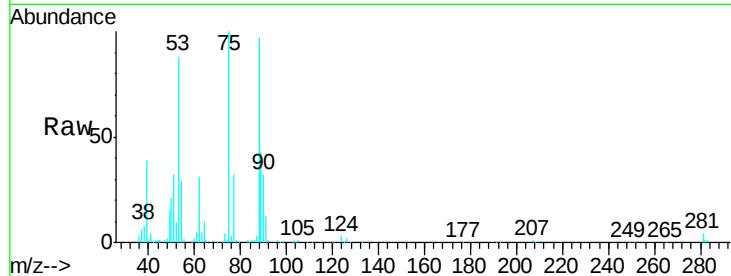
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	150736
Ion	Ratio	Lower	Upper
75	100		
53	88.5	70.4	105.6
89	43.6	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.956 ug/l

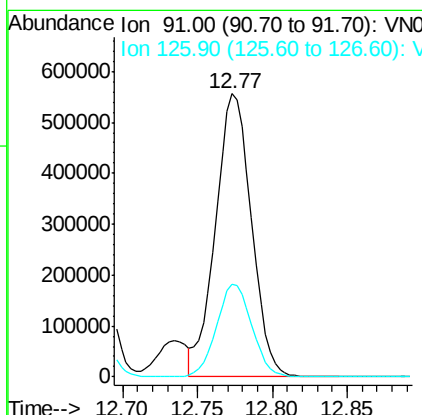
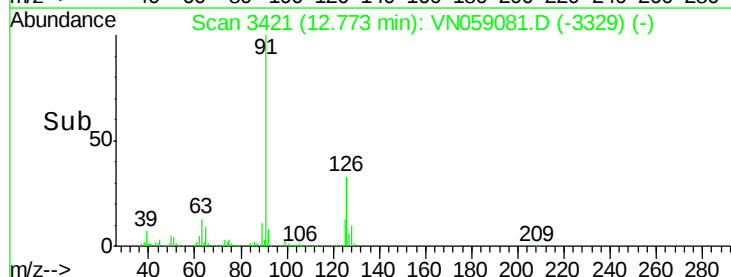
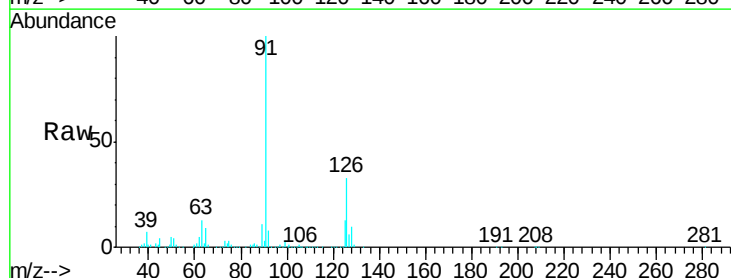
RT: 12.77 min Scan# 3421

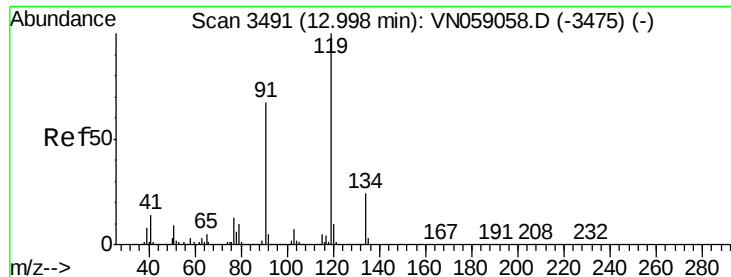
Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion:	91	Resp:	925989
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	47.9





#83

tert-Butylbenzene

Concen: 50.913 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

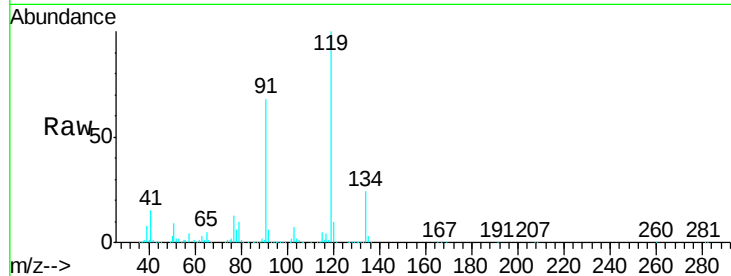
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	119	Resp:	910103
Ion Ratio	Lower	Upper	
119	100		
91	66.3	33.7	101.0
134	25.5	12.9	38.7

Manual Integrations
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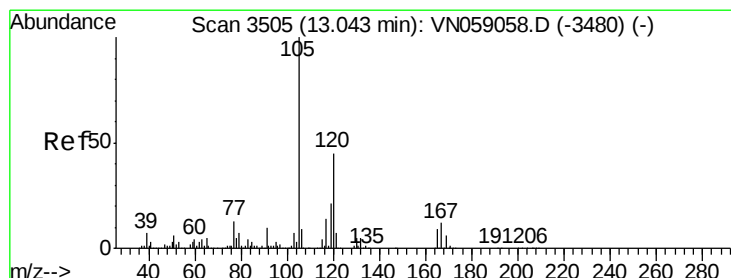
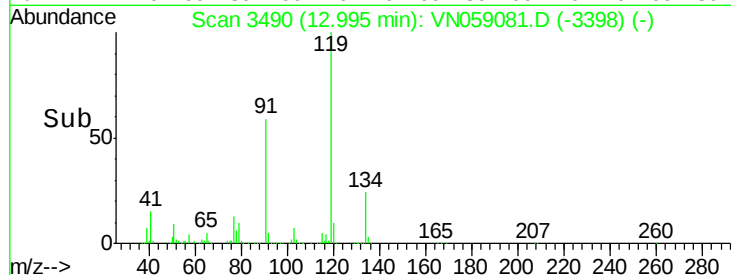
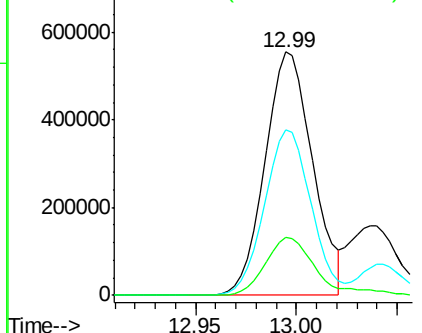
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.934 ug/l

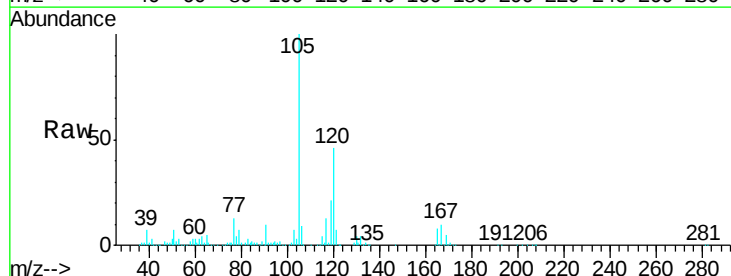
RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059081.D

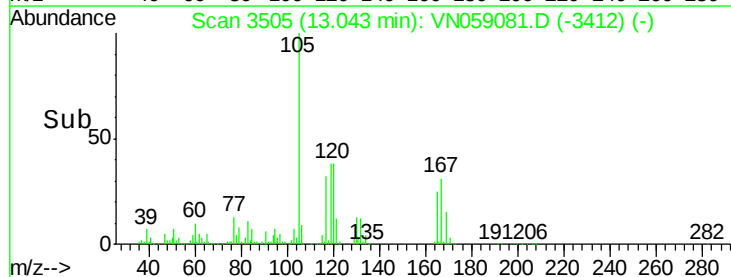
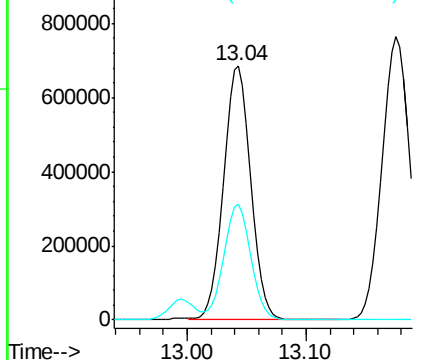
Acq: 4 Nov 2019 14:57

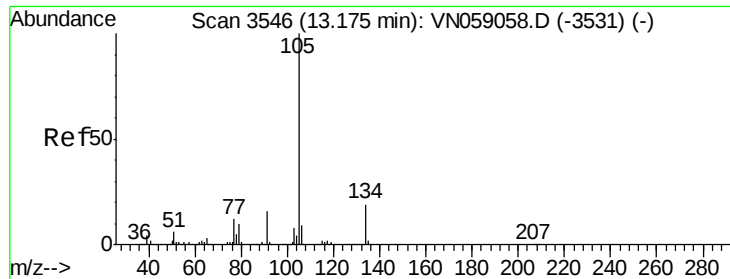
Tgt Ion:	105	Resp:	1082324
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





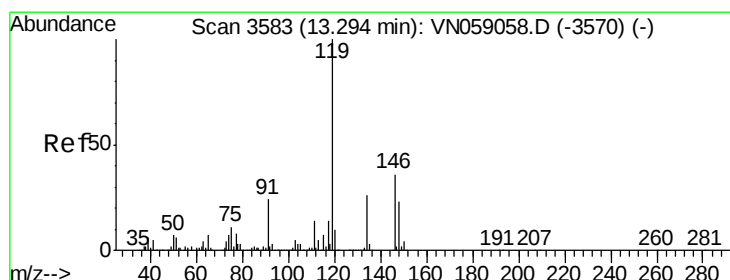
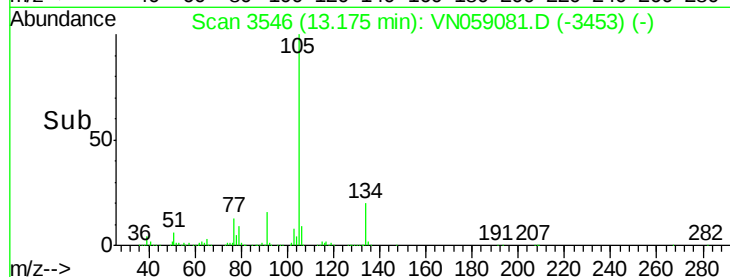
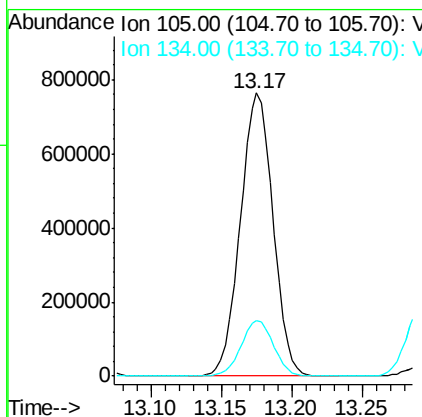
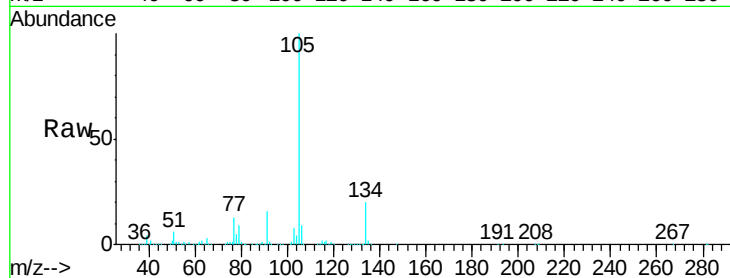
#85
 sec-Butylbenzene
 Concen: 52.838 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1237879
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4

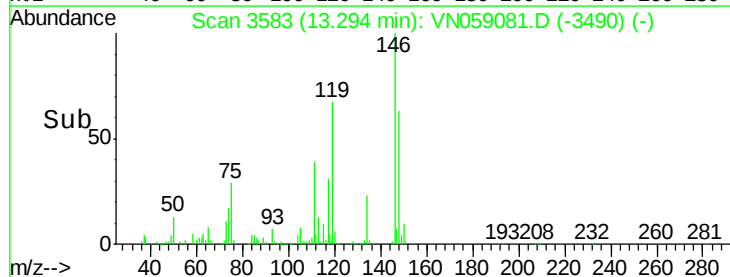
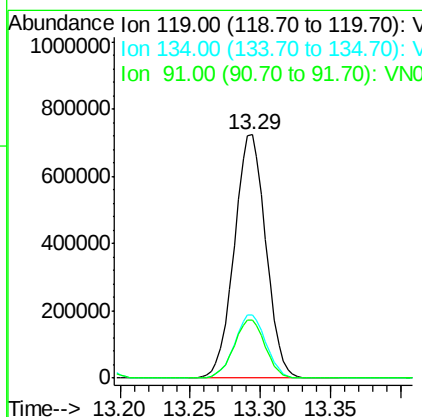
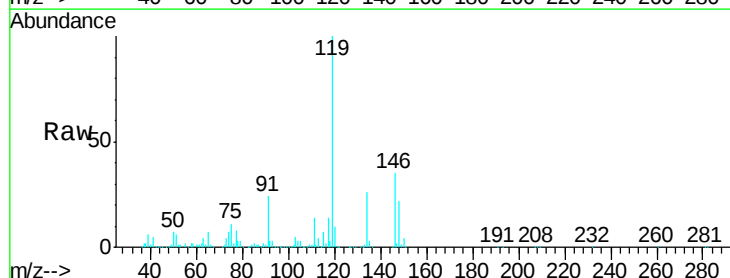
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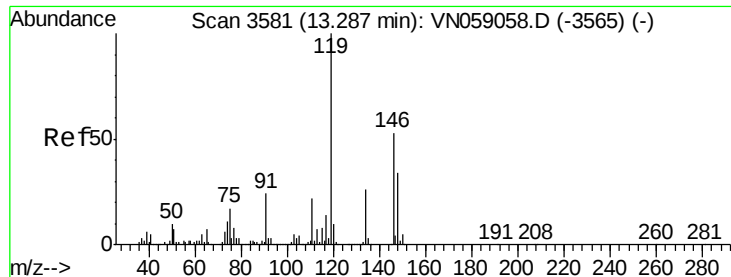
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 11/5/2019 2:00:15 PM



#86
 p-Isopropyltoluene
 Concen: 53.657 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion:119 Resp: 1133313
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 23.6 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 50.142 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Instrument :

MSVOA_N

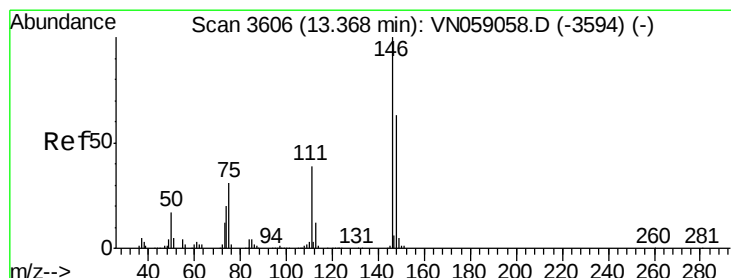
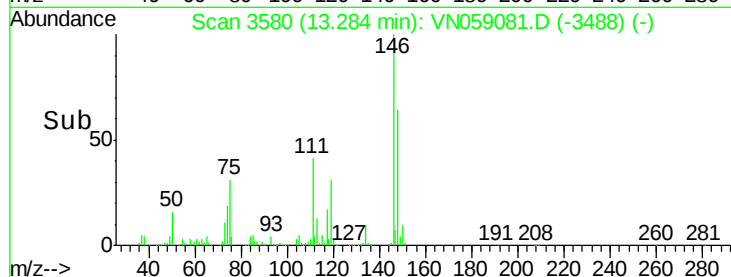
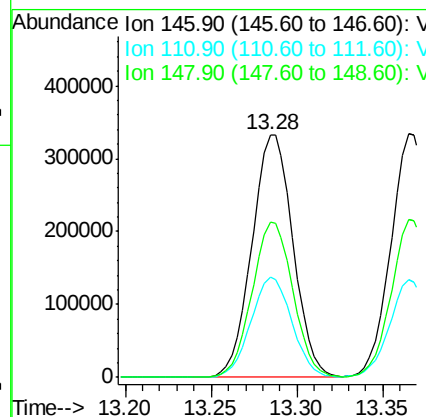
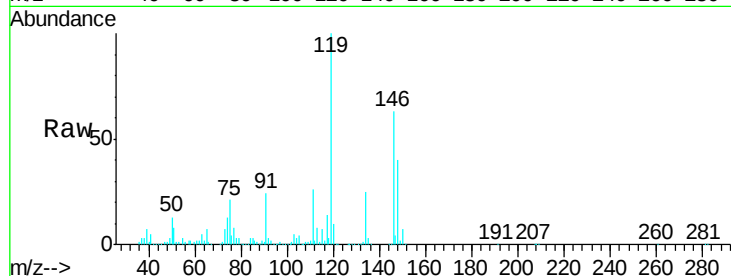
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	551540
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.5	61.5
148	63.6	31.8	95.3

Manual Integrations
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11/5/2019 2:00:15 PM



#88

1,4-Dichlorobenzene

Concen: 50.541 ug/l

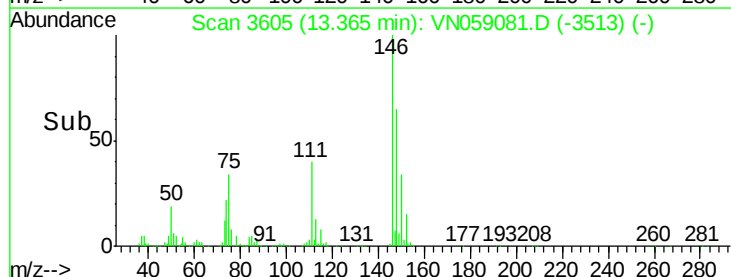
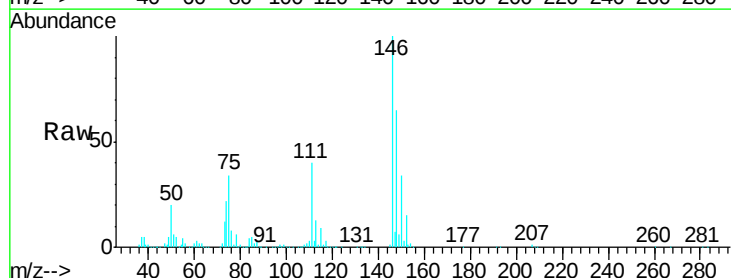
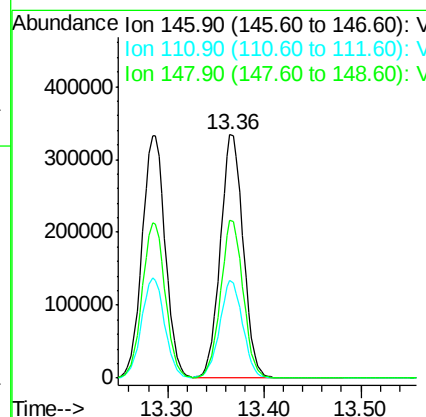
RT: 13.36 min Scan# 3605

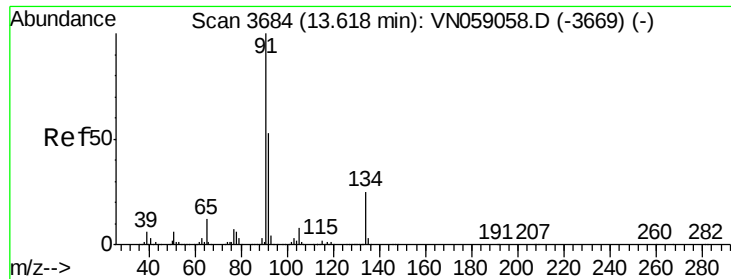
Delta R.T. -0.00 min

Lab File: VN059081.D

Acq: 4 Nov 2019 14:57

Tgt Ion:	146	Resp:	549912
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.1	60.2
148	63.7	31.9	95.7





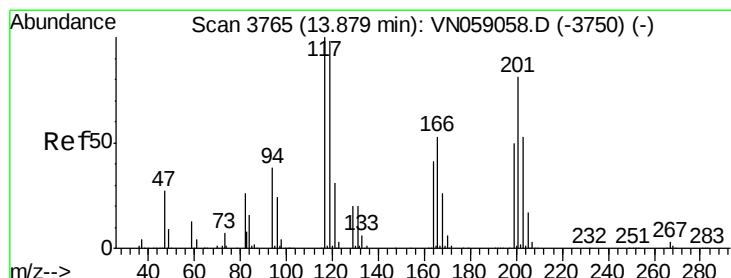
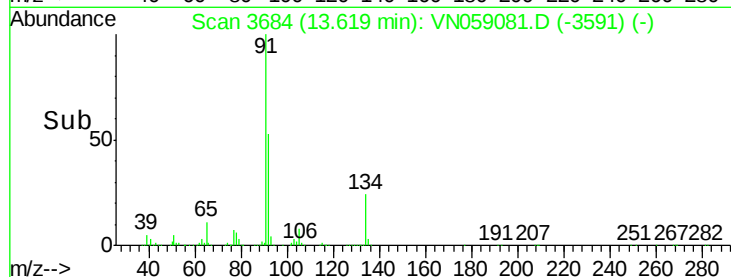
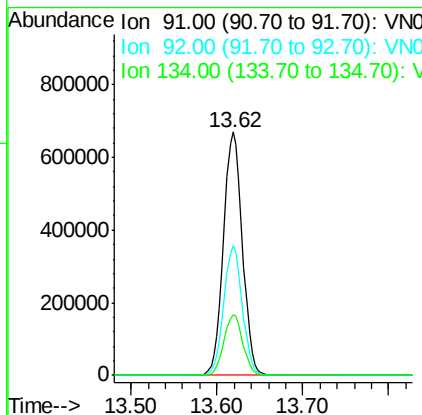
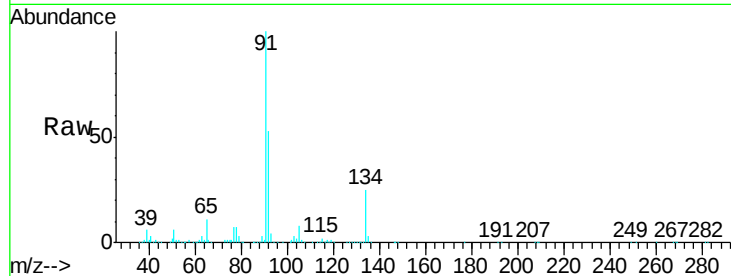
#89
n-Butylbenzene
Concen: 55.540 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1022179
Ion Ratio Lower Upper
91 100
92 52.2 26.4 79.0
134 24.9 12.5 37.5

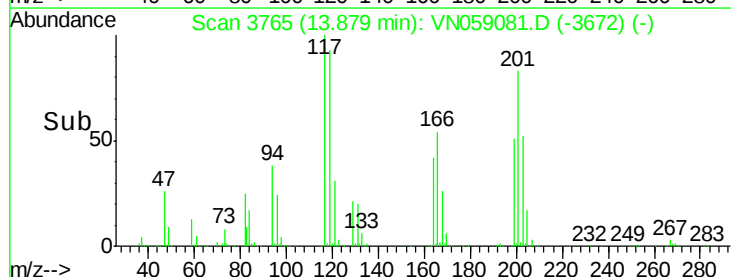
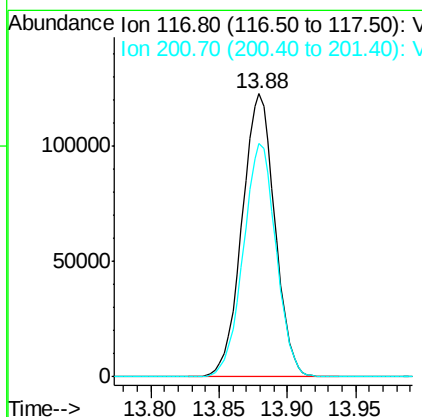
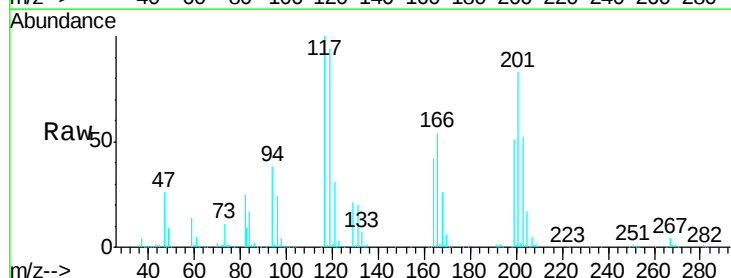
Manual Integrations
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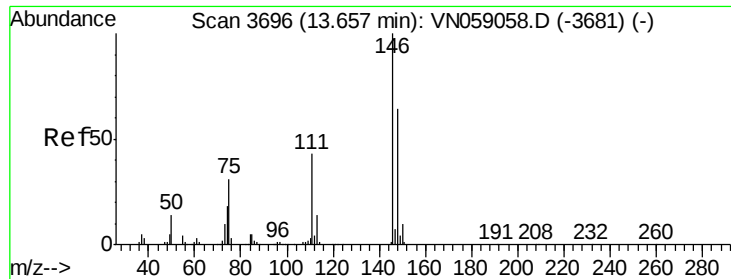
MMDadoda
11/5/2019 2:00:15 PM



#90
Hexachloroethane
Concen: 48.693 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion: 117 Resp: 204442
Ion Ratio Lower Upper
117 100
201 82.2 40.7 122.1





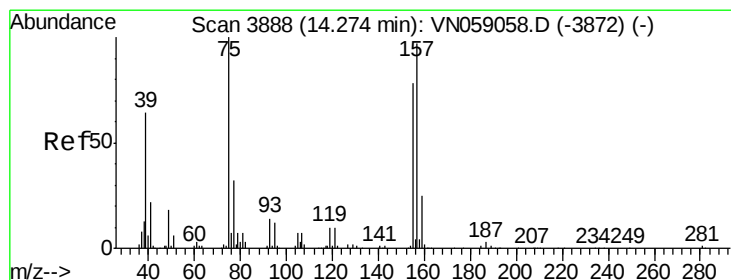
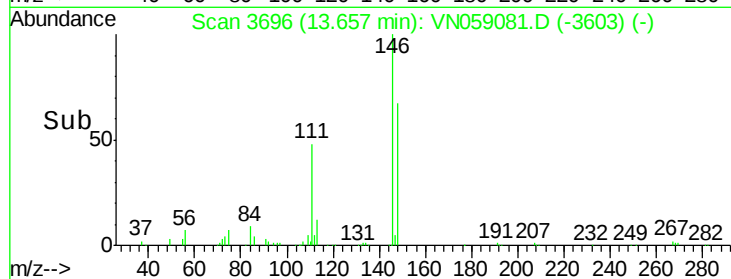
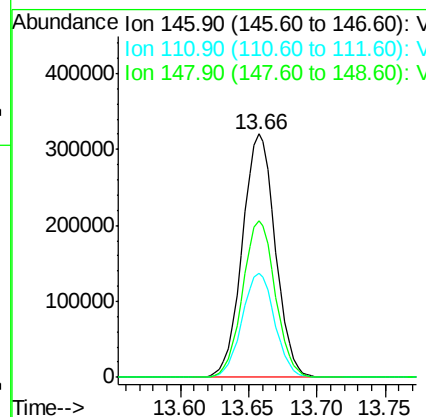
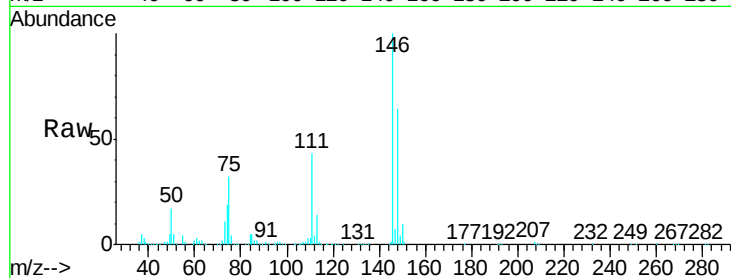
#91
 1,2-Dichlorobenzene
 Concen: 48.979 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	64.0	32.1	96.3

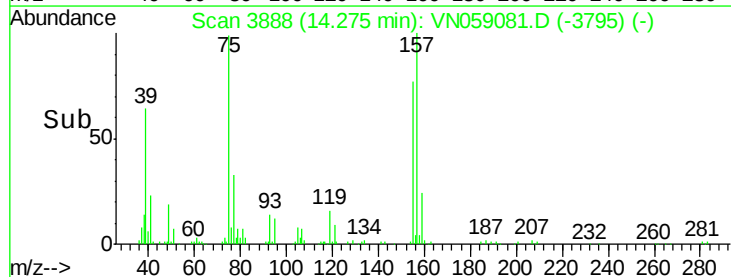
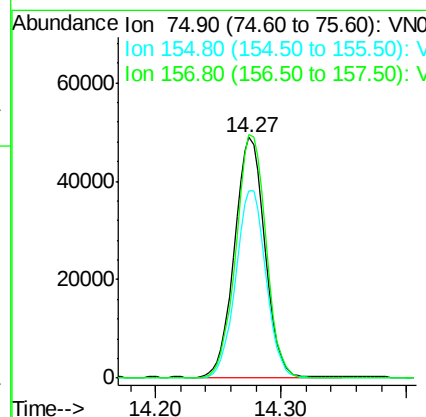
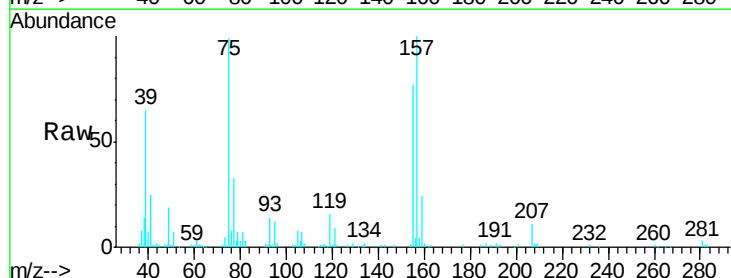
Manual Integrations
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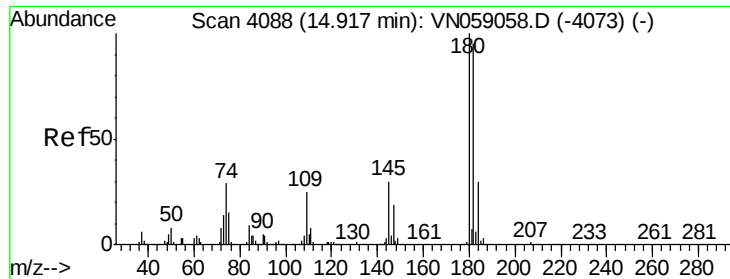
MMDadoda
 11/5/2019 2:00:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.971 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059081.D
 Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	39.7	119.1
157	100.7	51.0	153.0





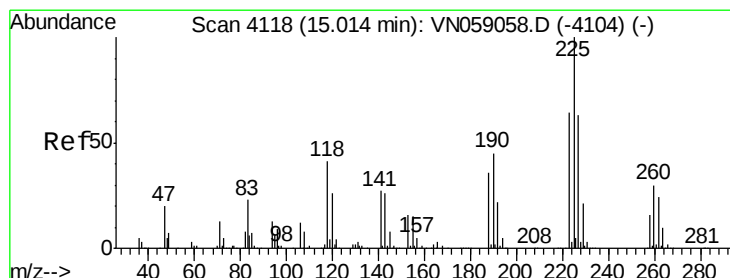
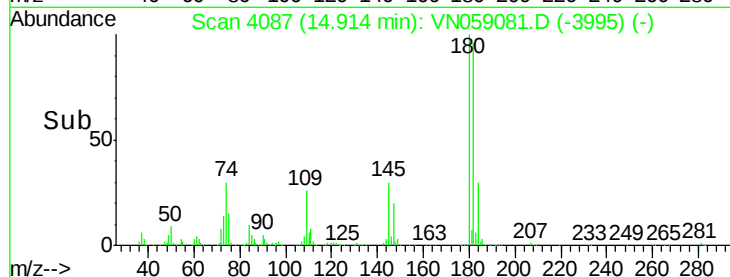
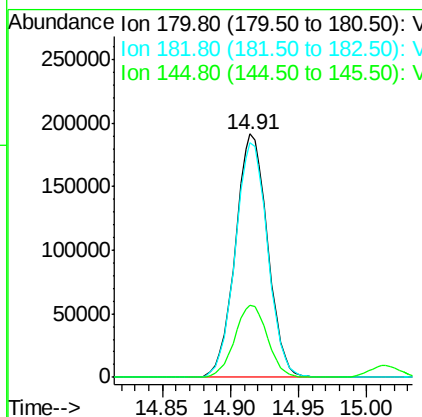
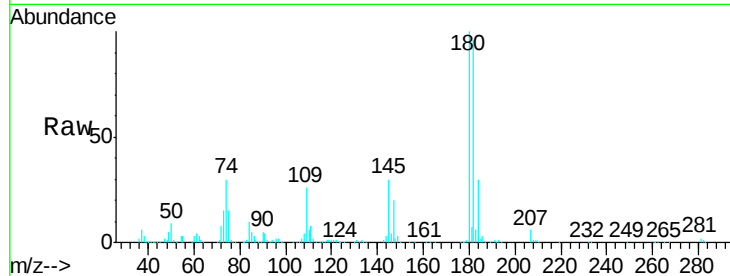
#93
1,2,4-Trichlorobenzene
Concen: 53.124 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	313605		
182	96.9	47.8	143.4	
145	30.0	15.1	45.3	

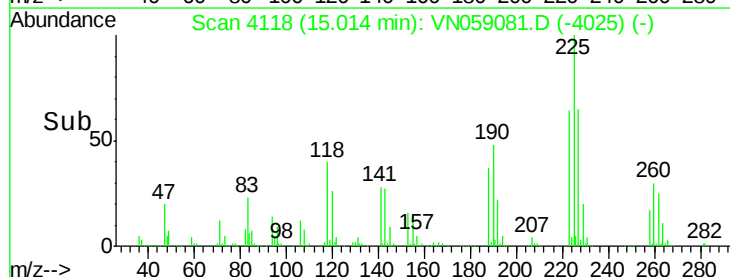
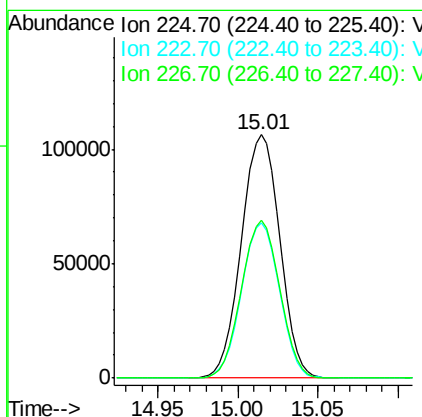
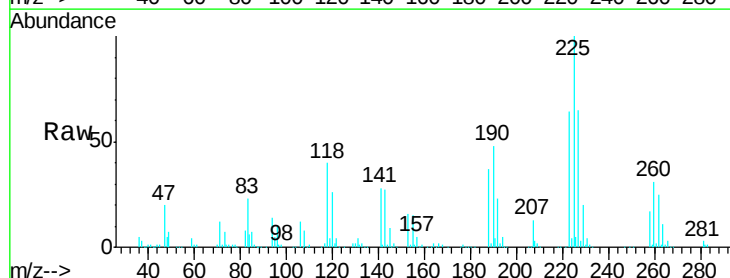
Manual Integrations
APPROVED

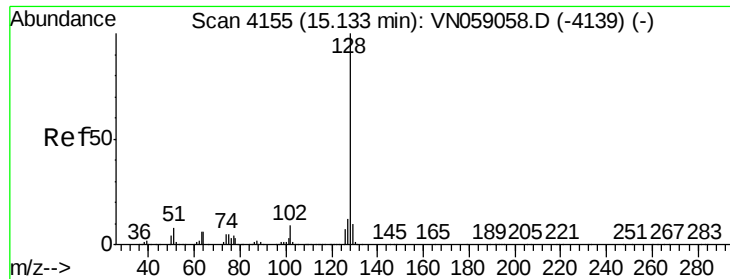
MMDadoda
11/5/2019 2:00:15 PM



#94
Hexachlorobutadiene
Concen: 49.244 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174470		
223	62.9	31.6	95.0	
227	64.6	31.9	95.7	





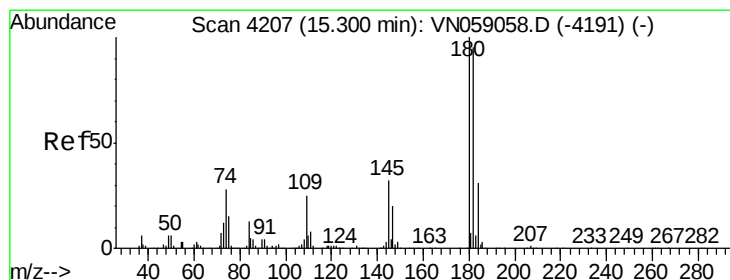
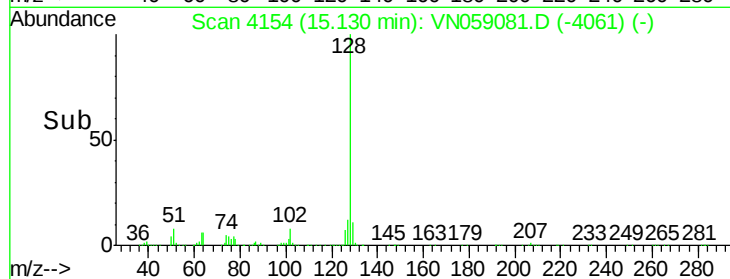
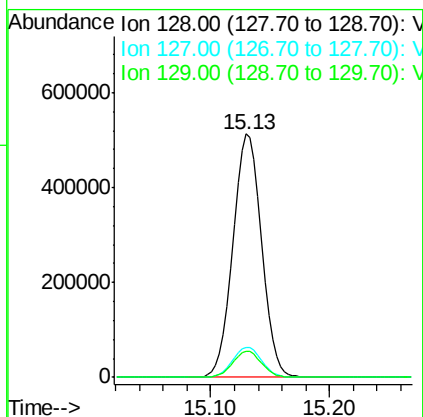
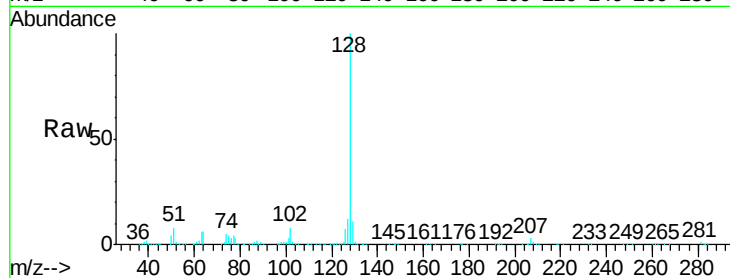
#95
Naphthalene
Concen: 46.732 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.5	9.9	14.9
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/5/2019 2:00:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.230 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059081.D
Acq: 4 Nov 2019 14:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.4	47.7	143.1
145	31.1	16.0	48.0

