

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059303.D
 Acq On : 19 Nov 2019 13:29
 Operator : JC/SP
 Sample : VN1119WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:24 PM

Quant Time: Nov 20 02:24:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	383171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	530774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	217031	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	7.57	113	176828	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.08	98	652390	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
62) 4-Bromofluorobenzene	12.40	95	239343	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117292	30.382	ug/l	100
3) Chloromethane	2.04	50	132344	25.219	ug/l	98
4) Vinyl Chloride	2.17	62	141441	27.799	ug/l	99
5) Bromomethane	2.55	94	73339	25.048	ug/l	99
6) Chloroethane	2.69	64	72777	24.180	ug/l	98
7) Trichlorofluoromethane	3.00	101	141965	23.328	ug/l	98
8) Diethyl Ether	3.39	74	57229	23.144	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88209	24.040	ug/l	99
10) Methyl Iodide	3.93	142	100276	22.078	ug/l	100
11) Tert butyl alcohol	4.75	59	100912	112.417	ug/l	99
12) 1,1-Dichloroethene	3.72	96	87676	24.529	ug/l	93
13) Acrolein	3.58	56	34855	75.311	ug/l	99
14) Allyl chloride	4.30	41	161331	21.973	ug/l	99
15) Acrylonitrile	4.95	53	261972	117.268	ug/l	100
16) Acetone	3.79	43	221914	90.600	ug/l	98
17) Carbon Disulfide	4.03	76	274602	24.748	ug/l	100
18) Methyl Acetate	4.30	43	147925	25.444	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	289289	23.508	ug/l	98
20) Methylene Chloride	4.53	84	99500	23.317	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	92919	24.218	ug/l	97
22) Diisopropyl ether	5.92	45	308855	22.270	ug/l	96
23) Vinyl Acetate	5.87	43	1242057	115.559	ug/l	100
24) 1,1-Dichloroethane	5.82	63	176743	22.818	ug/l	99
25) 2-Butanone	6.81	43	348085	107.829	ug/l	98
26) 2,2-Dichloropropane	6.80	77	149796	22.116	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	103374	23.224	ug/l	98
28) Bromochloromethane	7.17	49	32578	13.980	ug/l	98
29) Tetrahydrofuran	7.19	42	236703	115.400	ug/l	96
30) Chloroform	7.35	83	168698	22.704	ug/l	100
31) Cyclohexane	7.63	56	169532	23.119	ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	145619	23.310	ug/l	99
36) 1,1-Dichloropropene	7.77	75	132432	23.577	ug/l	99
37) Ethyl Acetate	6.91	43	143463	22.959	ug/l	98
38) Carbon Tetrachloride	7.75	117	127114	22.737	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158718	24.347	ug/l	99
40) Benzene	8.02	78	394957	23.350	ug/l	100
41) Methacrylonitrile	7.16	41	61166m	22.511	ug/l	
42) 1,2-Dichloroethane	8.10	62	130036	22.415	ug/l	99
43) Isopropyl Acetate	8.15	43	215350	21.617	ug/l	97
44) Trichloroethene	8.82	130	97935	23.554	ug/l	100
45) 1,2-Dichloropropane	9.10	63	104152	22.670	ug/l	100
46) Dibromomethane	9.19	93	63668	22.239	ug/l	98
47) Bromodichloromethane	9.39	83	128020	22.394	ug/l	96
48) Methyl methacrylate	9.19	41	95857	21.512	ug/l	96
49) 1,4-Dioxane	9.18	88	32823	414.489	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	686519	121.794	ug/l	100
52) Toluene	10.15	92	237547	23.431	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	146327	22.155	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	160879	22.644	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	93356	22.753	ug/l	99
56) Ethyl methacrylate	10.42	69	138126	21.301	ug/l	98
57) 1,3-Dichloropropane	10.70	76	160613	22.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	207773	90.992	ug/l	99
59) 2-Hexanone	10.74	43	495782	114.593	ug/l	98
60) Dibromochloromethane	10.90	129	96934	22.345	ug/l	99
61) 1,2-Dibromoethane	11.00	107	95928	23.096	ug/l	100
64) Tetrachloroethene	10.63	164	86782	24.045	ug/l	97
65) Chlorobenzene	11.43	112	246468	23.821	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	90178	23.234	ug/l	98
67) Ethyl Benzene	11.51	91	445977	24.294	ug/l	99
68) m/p-Xylenes	11.62	106	329747	47.952	ug/l	100
69) o-Xylene	11.95	106	157463	23.695	ug/l	98
70) Styrene	11.96	104	245887	23.526	ug/l	99
71) Bromoform	12.13	173	68028	22.533	ug/l #	99
73) Isopropylbenzene	12.25	105	424367	23.850	ug/l	100
74) N-amyl acetate	12.07	43	164926	21.875	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	139433	23.011	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	138194m	24.815	ug/l	
77) Bromobenzene	12.53	156	102050	22.828	ug/l	98
78) n-propylbenzene	12.59	91	486395	23.875	ug/l	100
79) 2-Chlorotoluene	12.68	91	288062	22.793	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	357456	23.709	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	47279	22.424	ug/l	99
82) 4-Chlorotoluene	12.77	91	287845	22.708	ug/l	99
83) tert-Butylbenzene	12.99	119	303871	23.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	348670	23.903	ug/l	99
85) sec-Butylbenzene	13.17	105	402456	23.767	ug/l	100
86) p-Isopropyltoluene	13.29	119	360078	24.083	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	174380	22.780	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	170127	22.212	ug/l	99
89) n-Butylbenzene	13.62	91	300702	22.979	ug/l	100
90) Hexachloroethane	13.88	117	65040	21.664	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	170095	22.588	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27369	22.654	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89840	21.512	ug/l	98
94) Hexachlorobutadiene	15.01	225	60448	23.281	ug/l	99
95) Naphthalene	15.13	128	238481	20.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	88479	20.966	ug/l	97

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

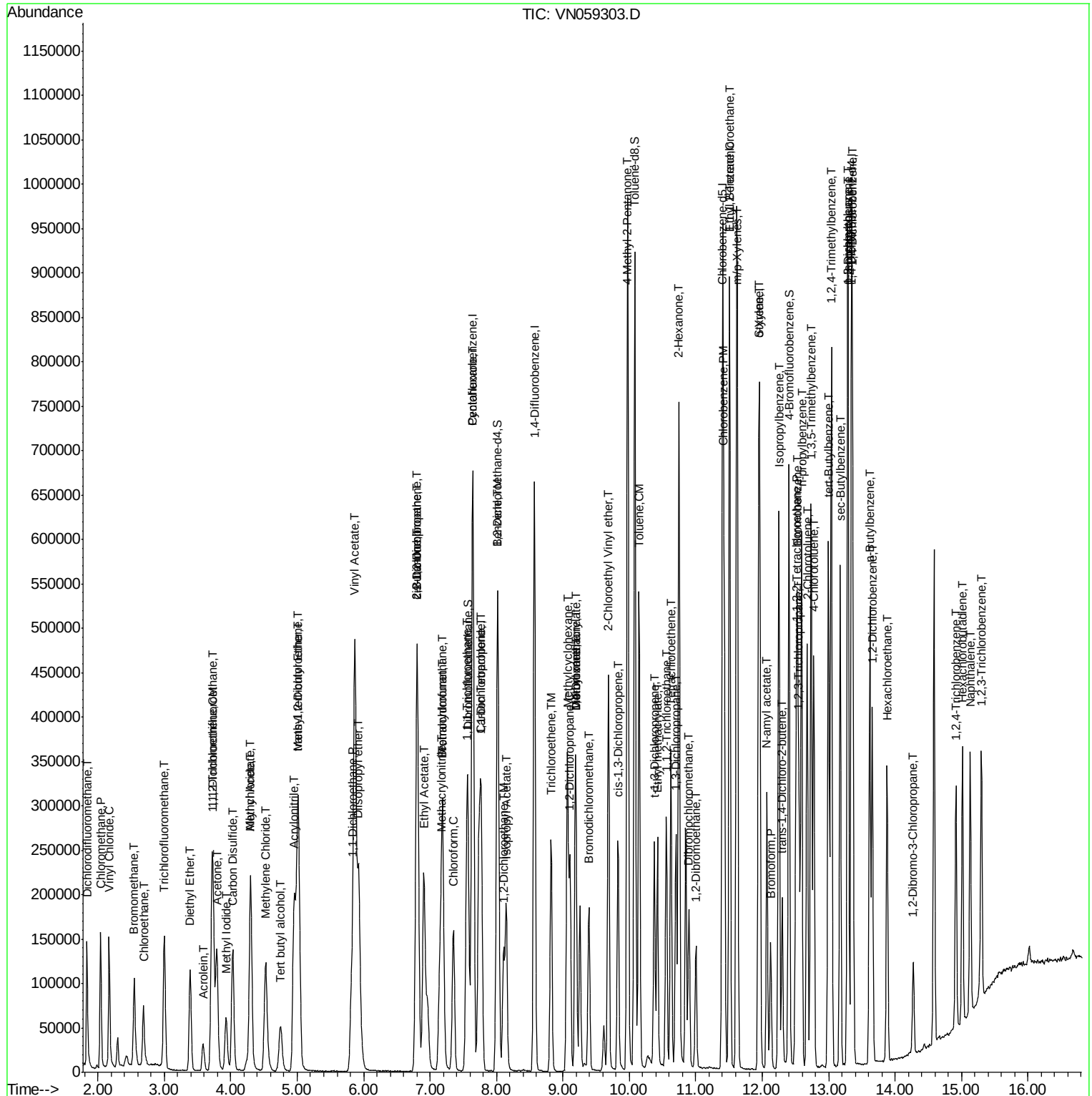
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Data File : VN059303.D
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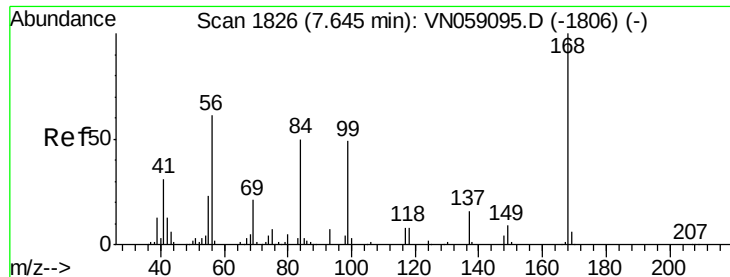
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

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MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion:168 Resp: 383171

Ion Ratio Lower Upper

168 100

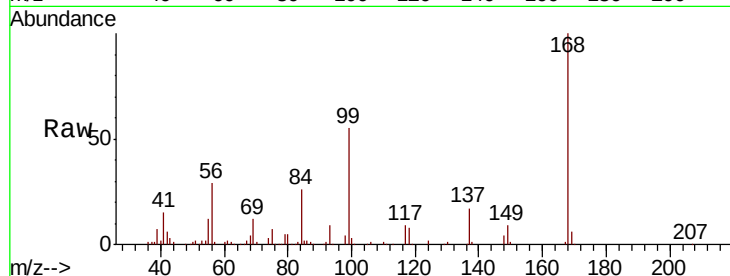
99 54.9 45.7 68.5

Manual Integrations

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11/20/2019 1:37:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

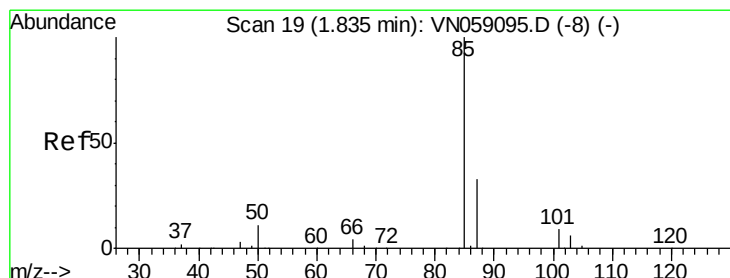
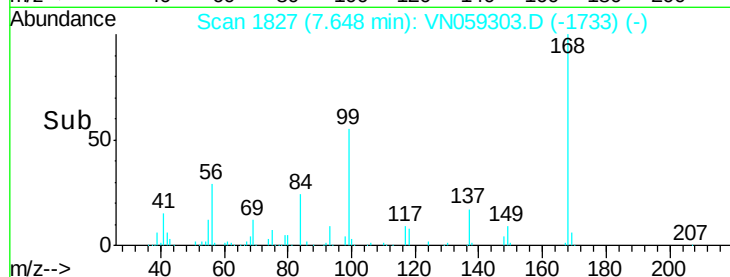
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 30.382 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059303.D

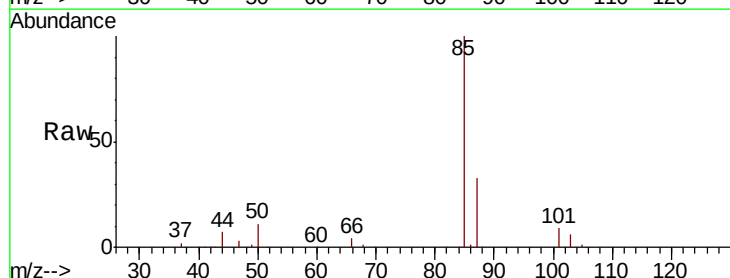
Acq: 19 Nov 2019 13:29

Tgt Ion: 85 Resp: 117292

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

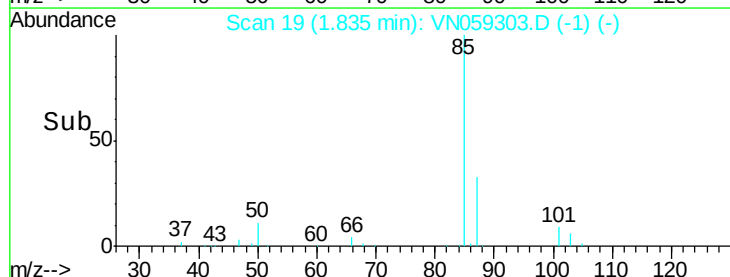
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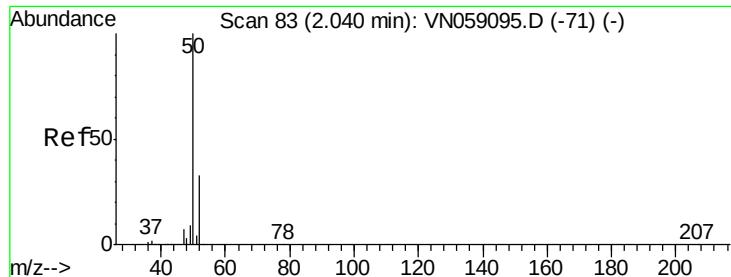
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 25.219 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 50 Resp: 132344

Ion Ratio Lower Upper

50 100

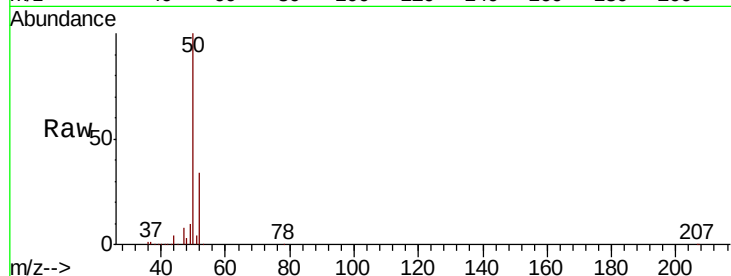
52 33.8 26.0 39.0

Manual Integrations

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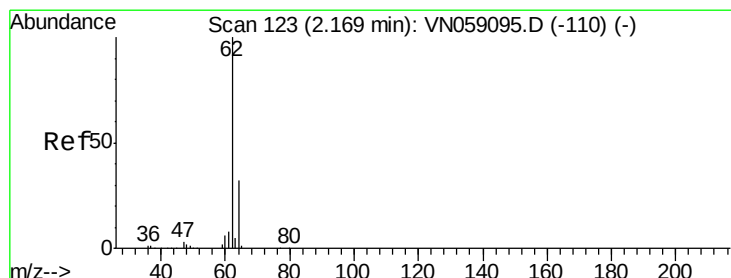
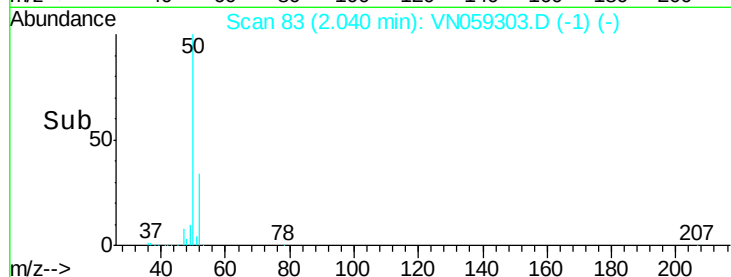
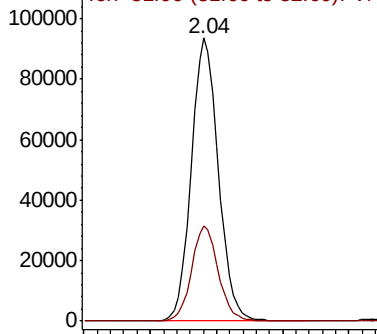
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 27.799 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059303.D

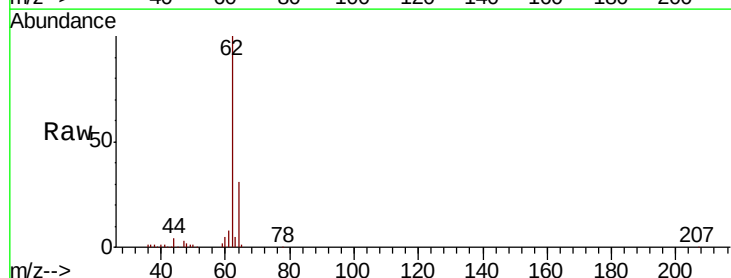
Acq: 19 Nov 2019 13:29

Tgt Ion: 62 Resp: 141441

Ion Ratio Lower Upper

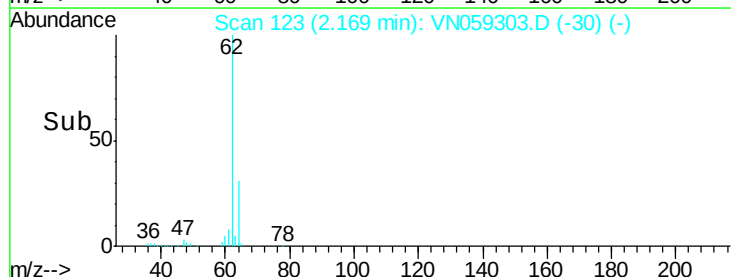
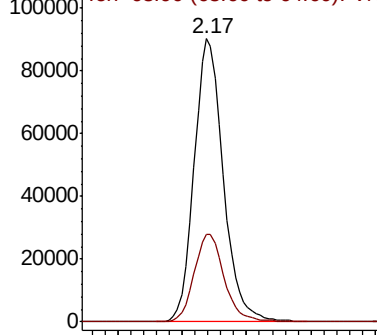
62 100

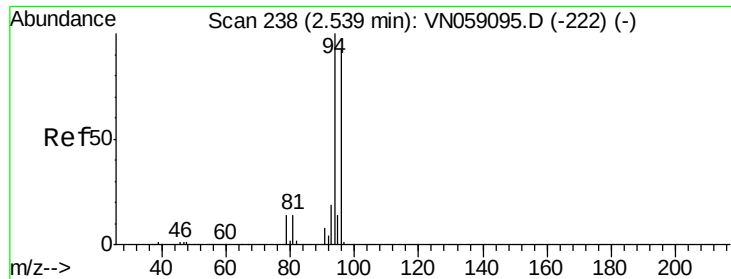
64 31.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 25.048 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

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ClientSampleId :

VN1119WBS02

Tot Ion: 94 Resp: 73339

Ion Ratio Lower Upper

94 100

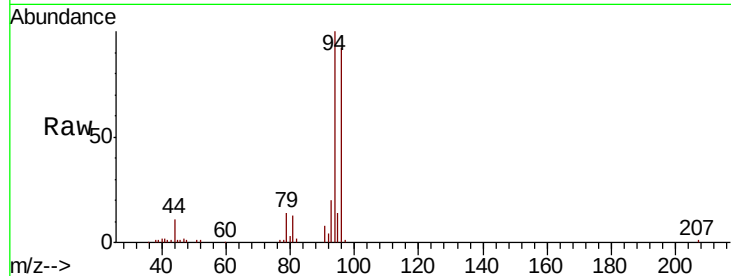
96 91.9 74.2 111.2

Manual Integrations

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11/20/2019 1:37:24 PM



Abundance Ion 93.90 (93.60 to 94.60): VN059303.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059303.D (-145) (-)

2.55

40000

30000

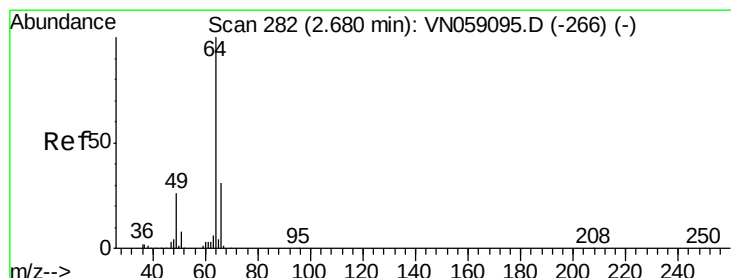
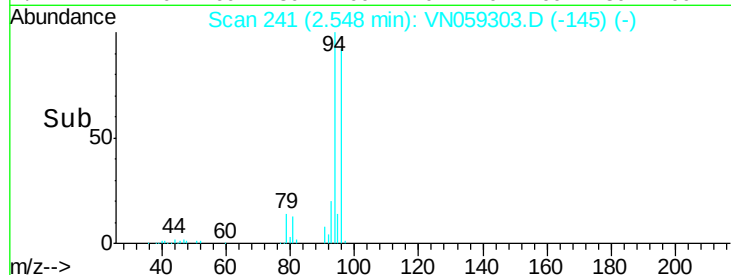
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10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 24.180 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059303.D

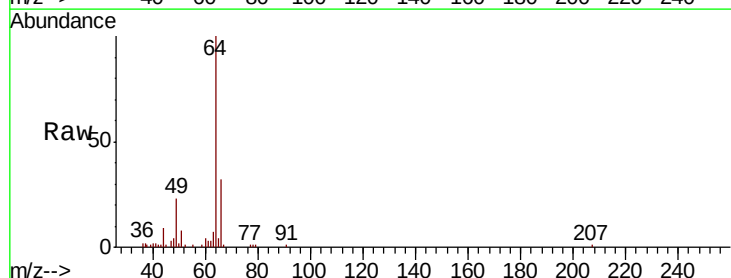
Acq: 19 Nov 2019 13:29

Tgt Ion: 64 Resp: 72777

Ion Ratio Lower Upper

64 100

66 32.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059303.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059303.D (-189) (-)

2.69

40000

30000

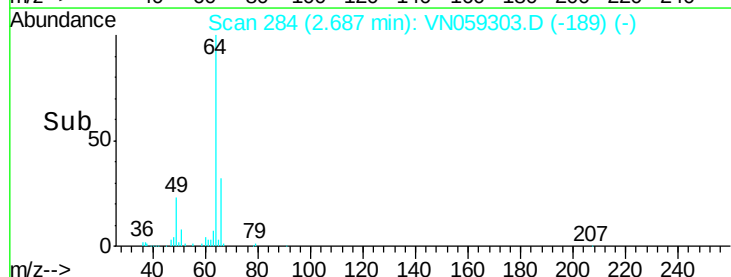
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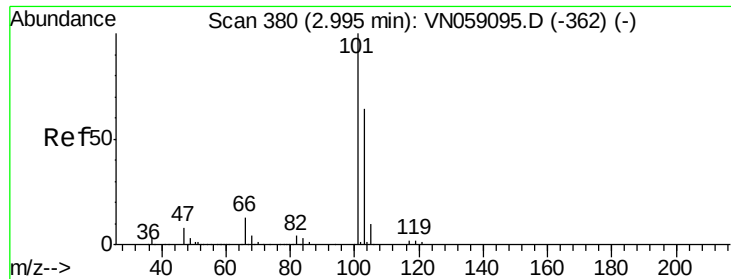
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0

Time-->

2.60 2.70 2.80





#7

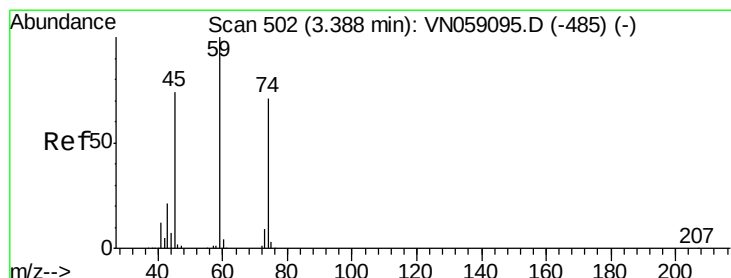
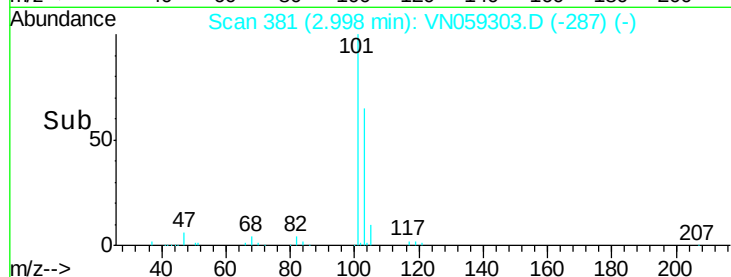
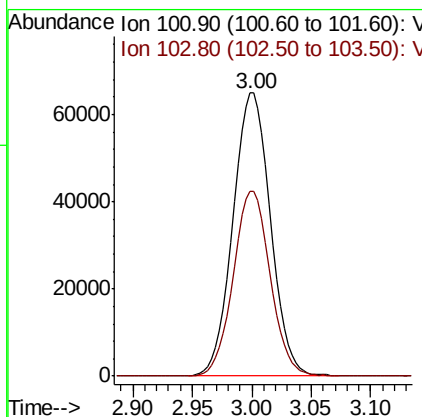
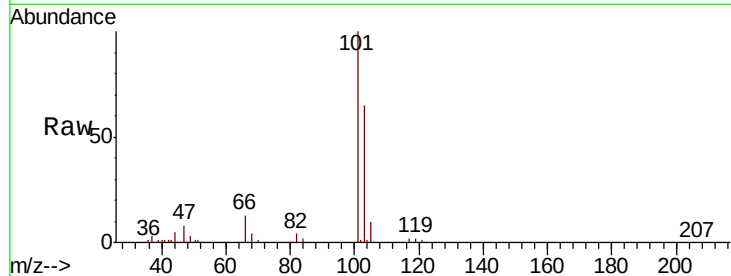
Trichlorofluoromethane
 Concen: 23.328 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		141965		
103	65.4	51.2	76.8		

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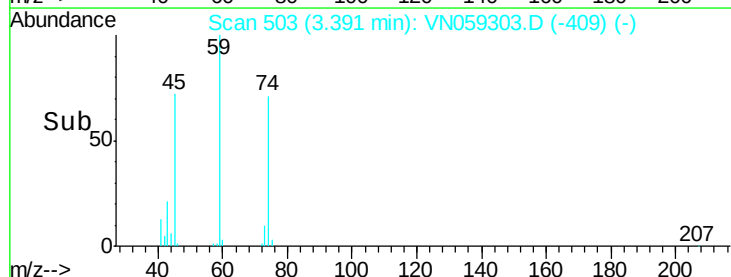
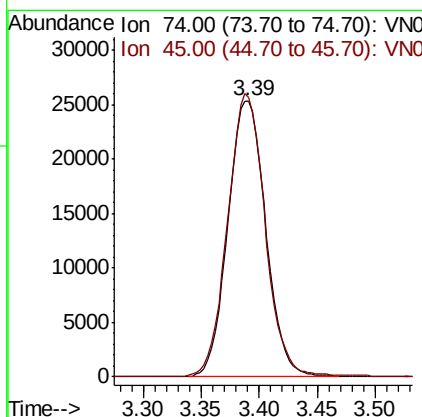
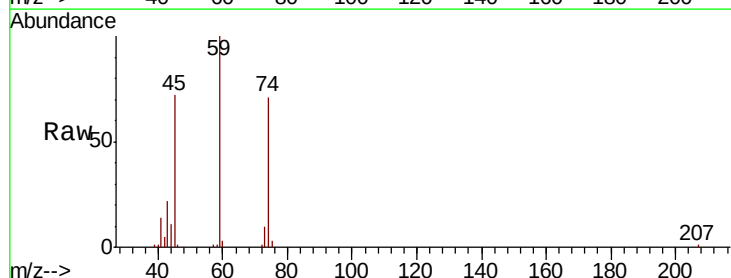
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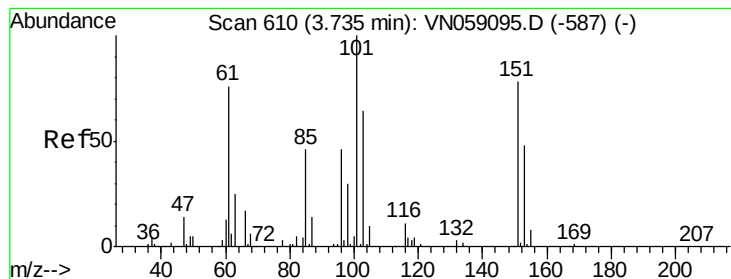


#8

Diethyl Ether
 Concen: 23.144 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		57229		
45	101.9	51.6	154.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.040 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

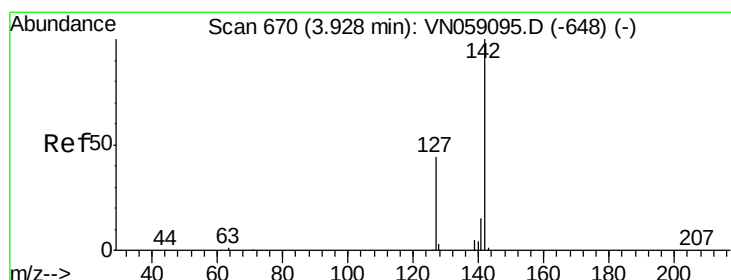
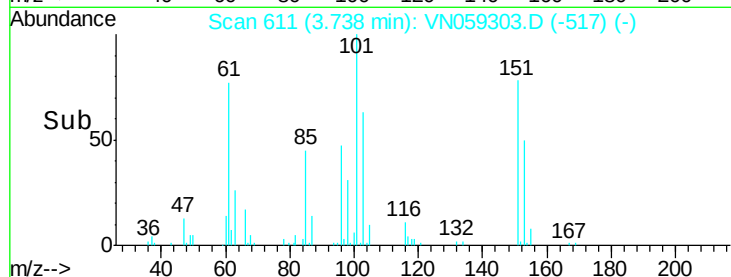
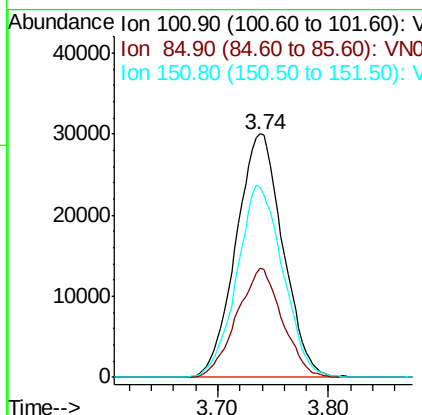
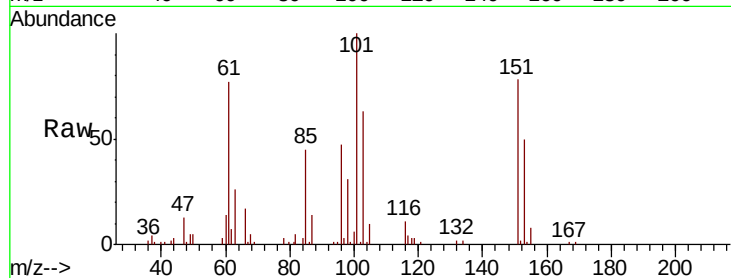
ClientSampleId :

VN1119WBS02

Tot Ion:	101	Resp:	88209
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.5	53.3
151	77.5	62.2	93.2

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#10

Methyl Iodide

Concen: 22.078 ug/l

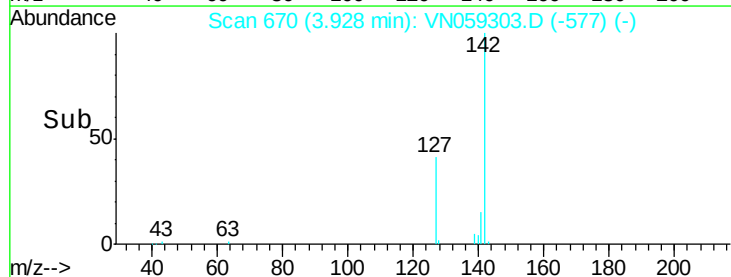
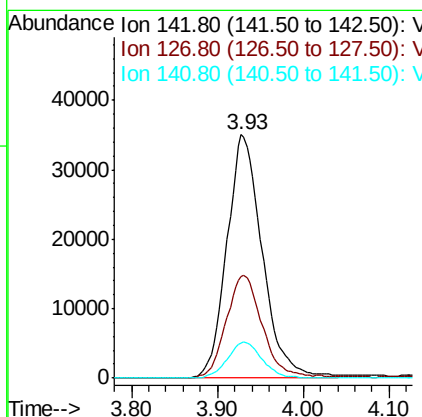
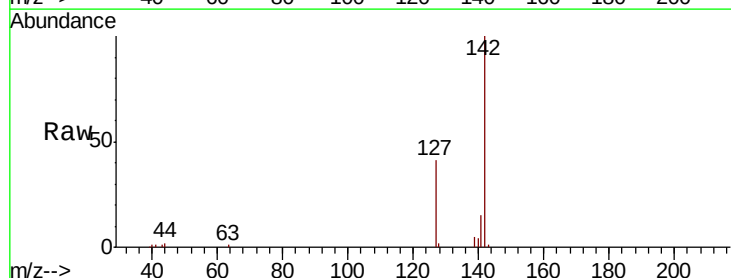
RT: 3.93 min Scan# 670

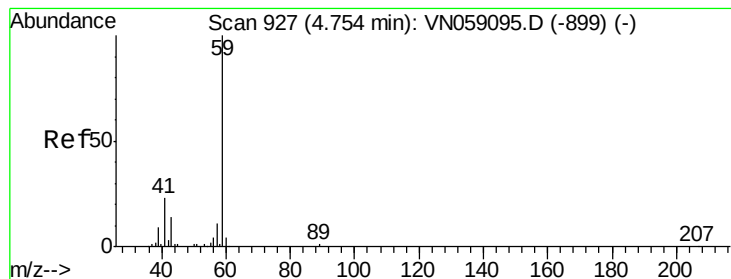
Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion:	142	Resp:	100276
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.2	51.2
141	14.2	11.4	17.0





#11

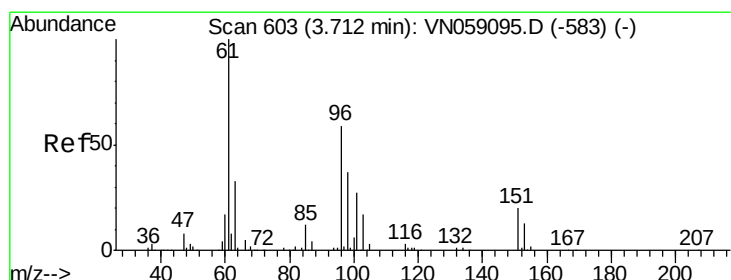
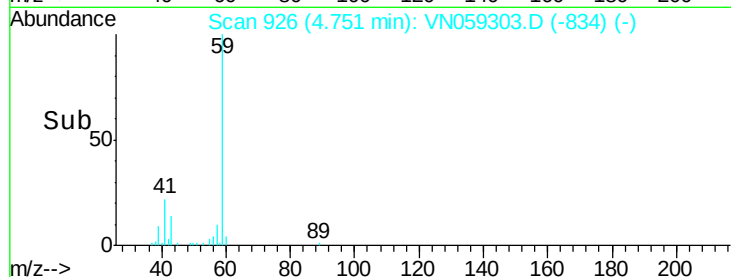
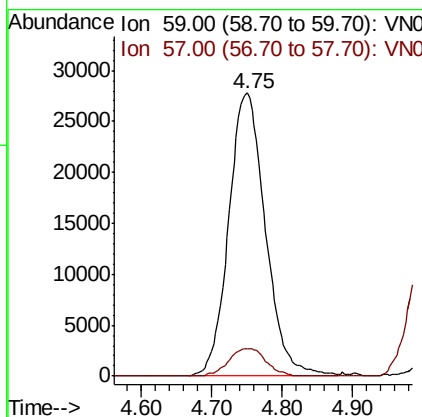
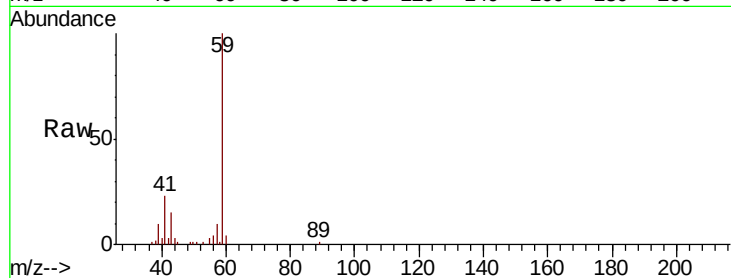
Tert butyl alcohol
 Concen: 112.417 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	100912		
57	9.9		8.3	12.5

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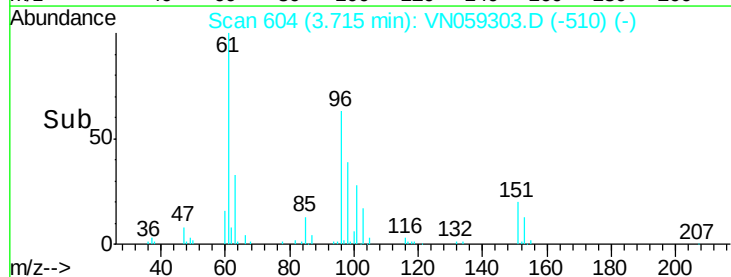
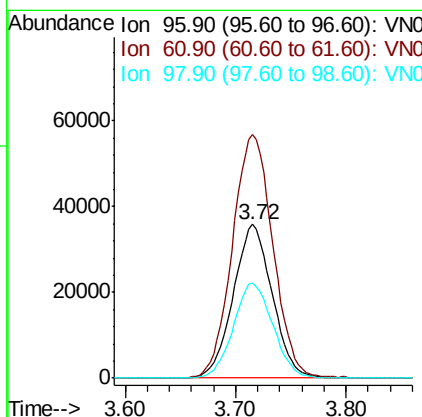
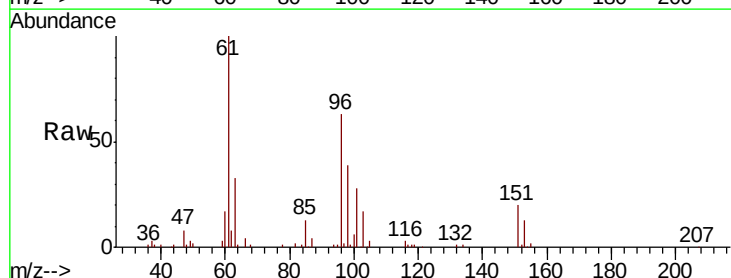
MMDadoda
 11/20/2019 1:37:24 PM

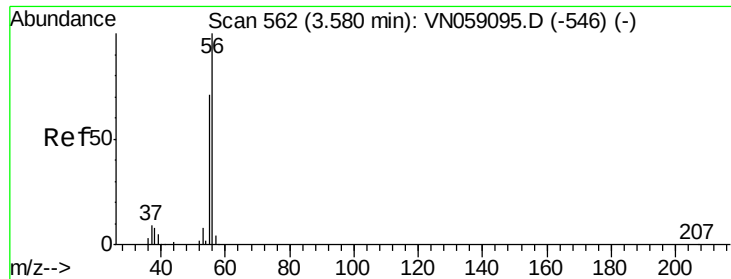


#12

1,1-Dichloroethene
 Concen: 24.529 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	87676		
61	158.2		136.5	204.7
98	61.9		50.2	75.4





#13

Acrolein

Concen: 75.311 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 56 Resp: 34855

Ion Ratio Lower Upper

56 100

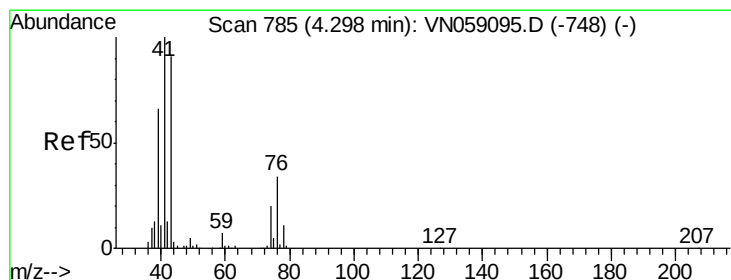
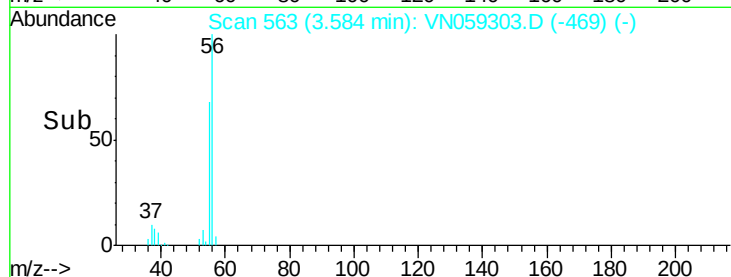
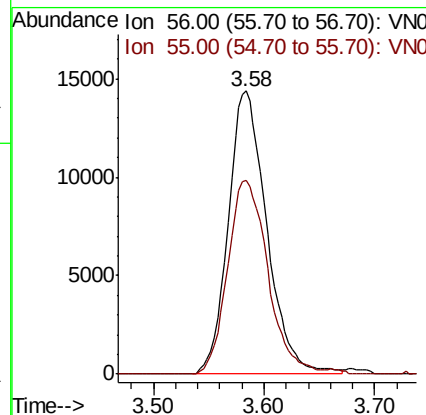
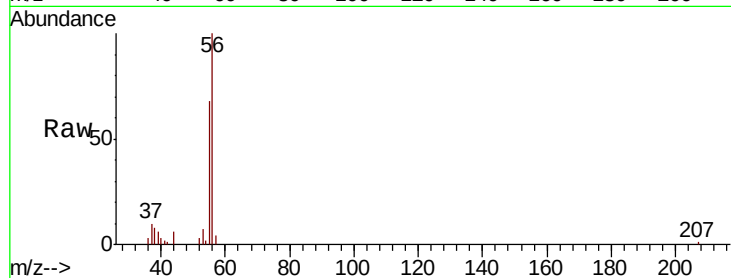
55 71.4 56.4 84.6

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#14

Allyl chloride

Concen: 21.973 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

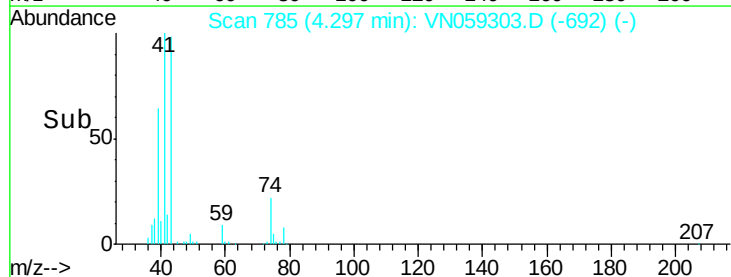
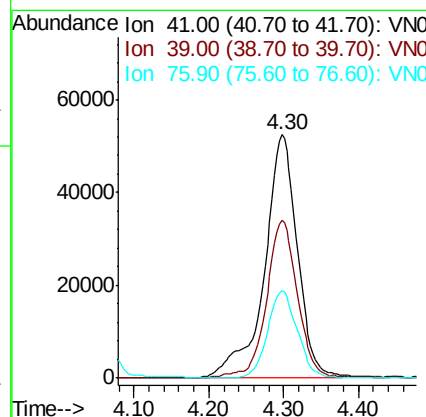
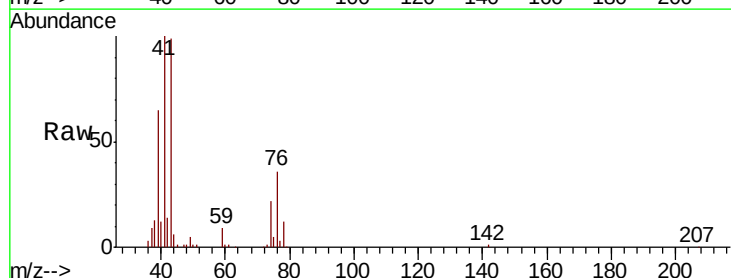
Tgt Ion: 41 Resp: 161331

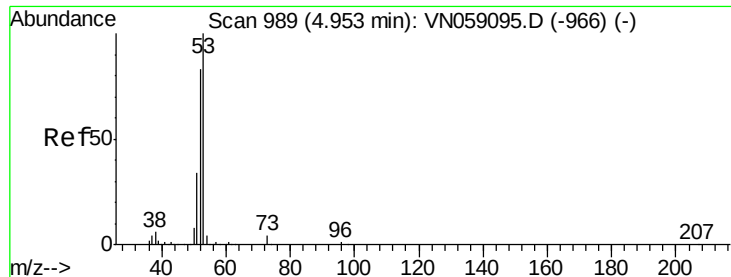
Ion Ratio Lower Upper

41 100

39 61.0 49.1 73.7

76 32.3 24.9 37.3





#15

Acrylonitrile

Concen: 117.268 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

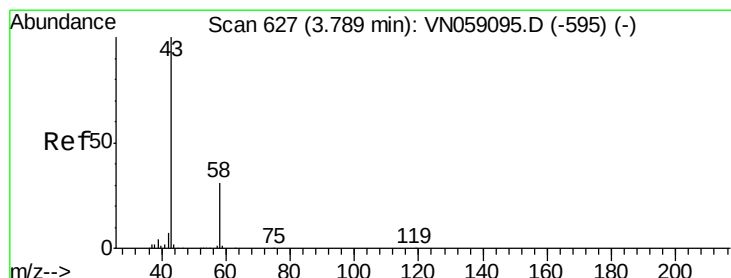
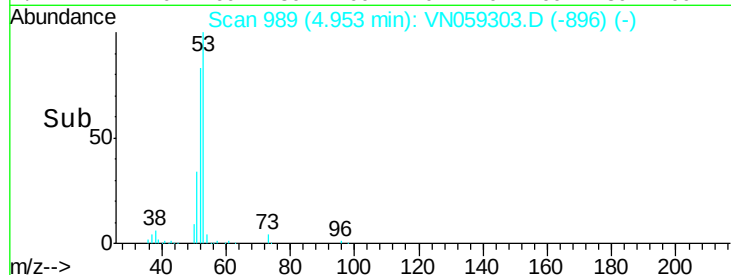
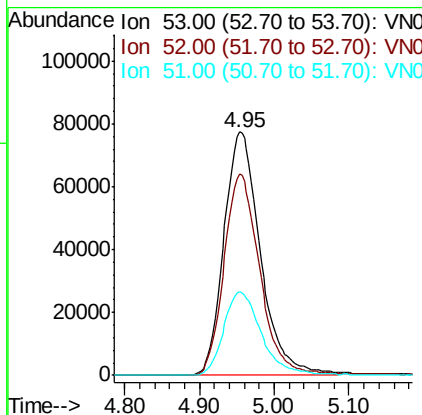
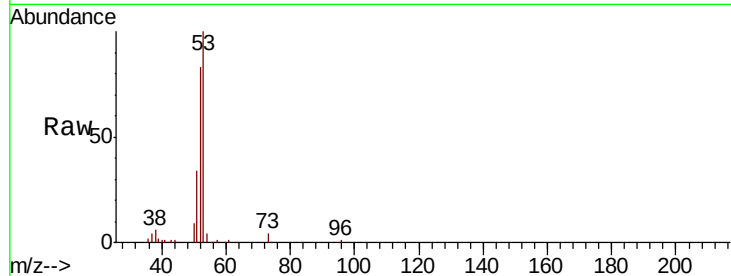
ClientSampleId :

VN1119WBS02

Tot Ion:	53	Resp:	261972
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 90.600 ug/l

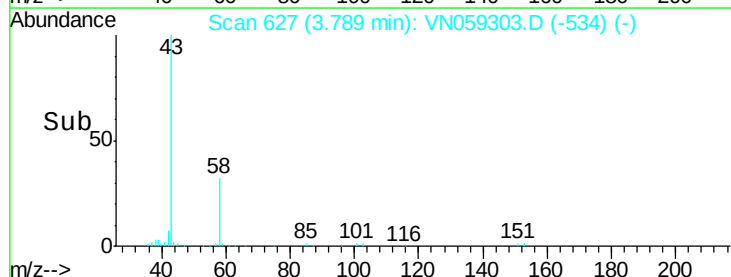
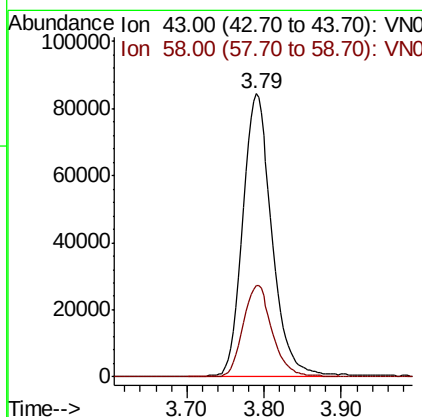
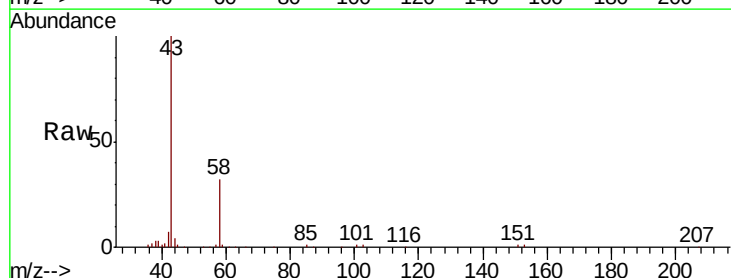
RT: 3.79 min Scan# 627

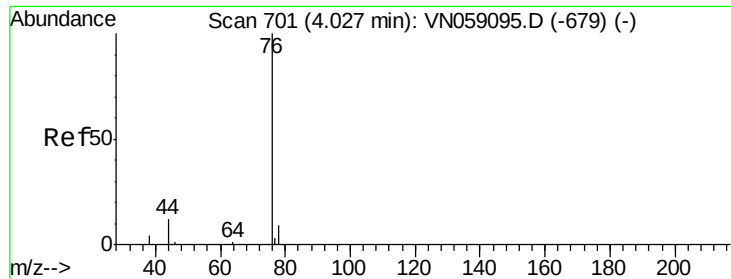
Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion:	43	Resp:	221914
Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.9	37.3





#17

Carbon Disulfide

Concen: 24.748 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 76 Resp: 274602

Ion Ratio Lower Upper

76 100

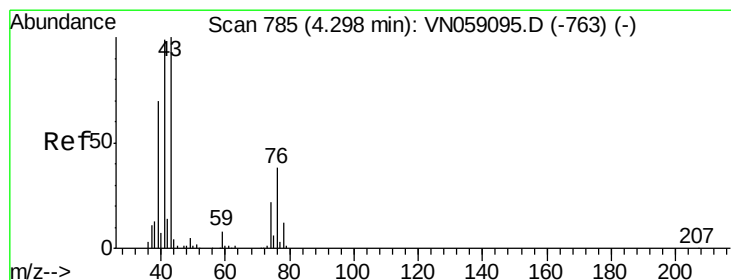
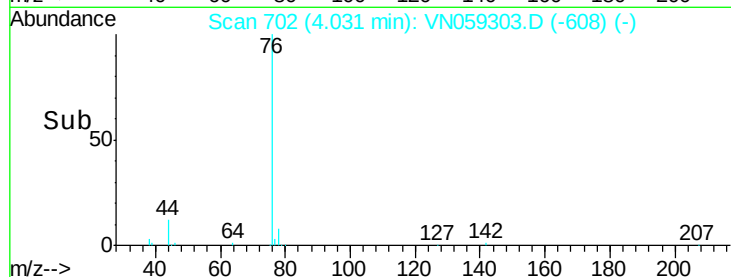
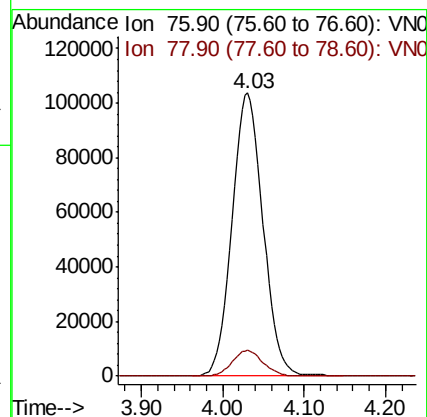
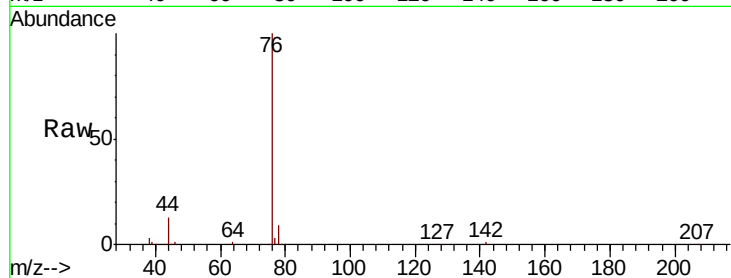
78 9.1 7.4 11.0

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#18

Methyl Acetate

Concen: 25.444 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059303.D

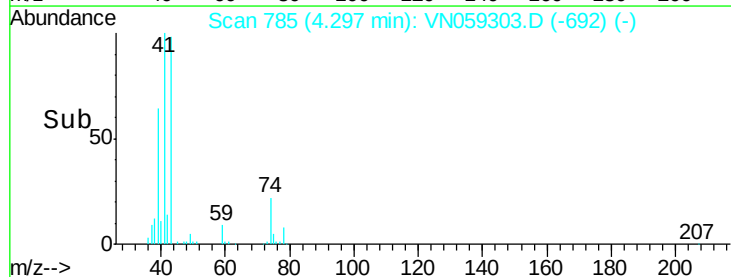
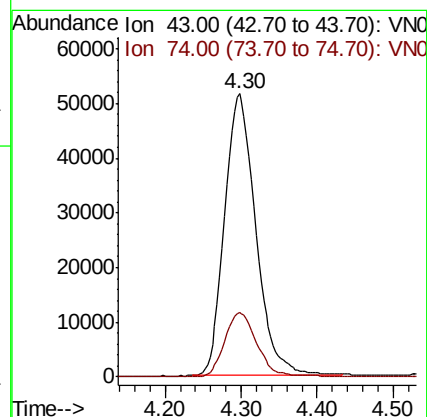
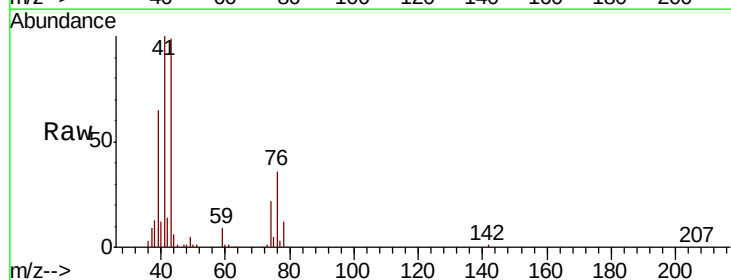
Acq: 19 Nov 2019 13:29

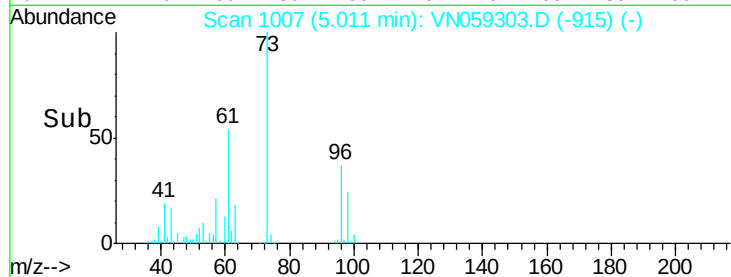
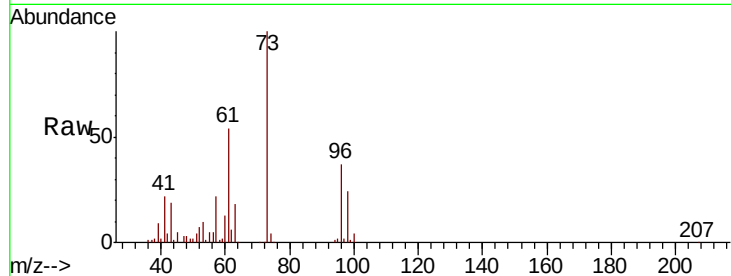
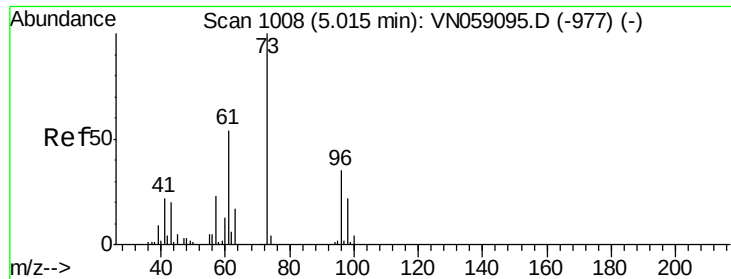
Tgt Ion: 43 Resp: 147925

Ion Ratio Lower Upper

43 100

74 23.2 17.8 26.8





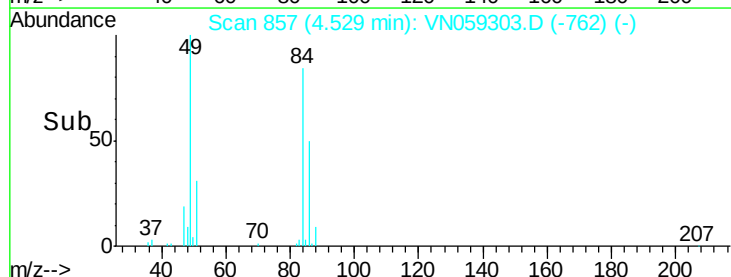
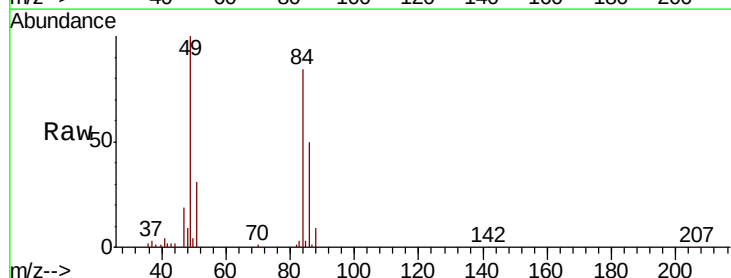
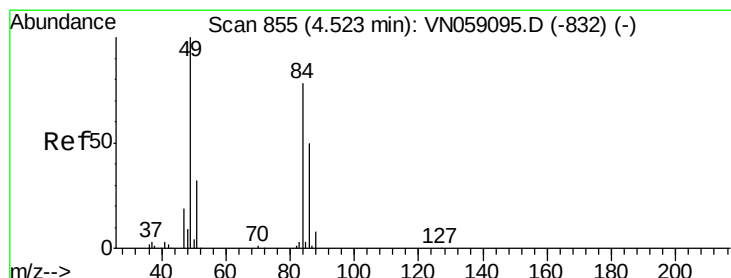
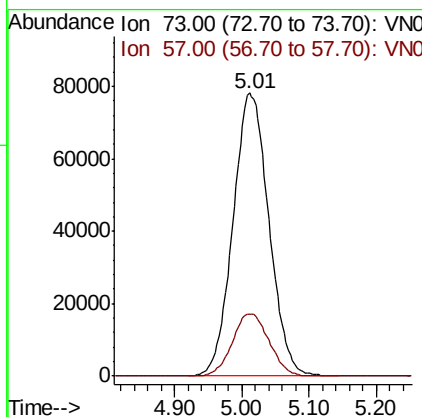
#19
Methyl tert-butyl Ether
Concen: 23.508 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tot Ion: 73 Resp: 289289
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

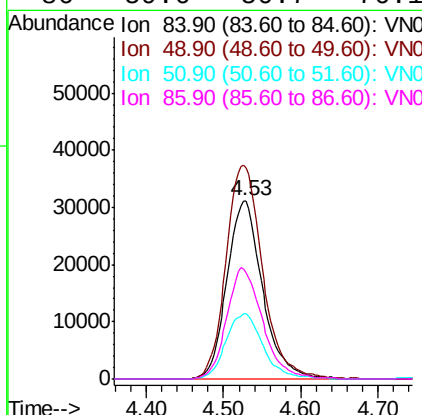
Manual Integrations
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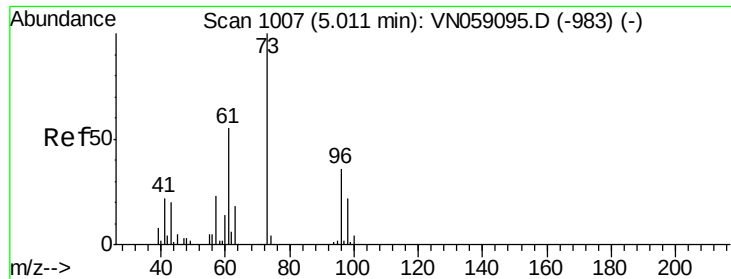
MMDadoda
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#20
Methylene Chloride
Concen: 23.317 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion: 84 Resp: 99500
Ion Ratio Lower Upper
84 100
49 118.7 102.0 153.0
51 36.7 32.2 48.2
86 59.6 50.7 76.1





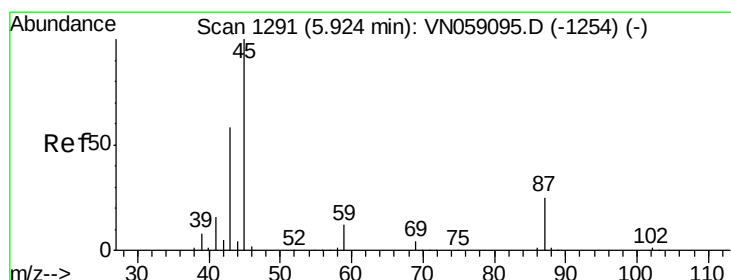
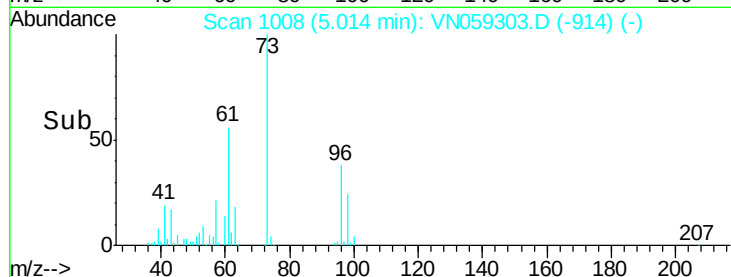
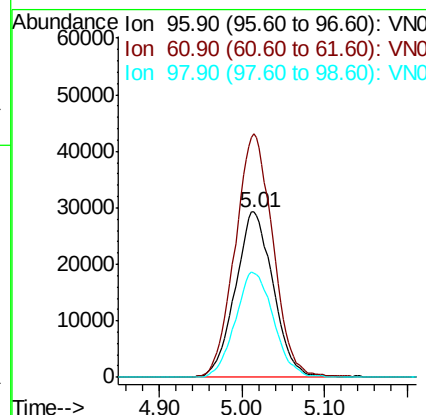
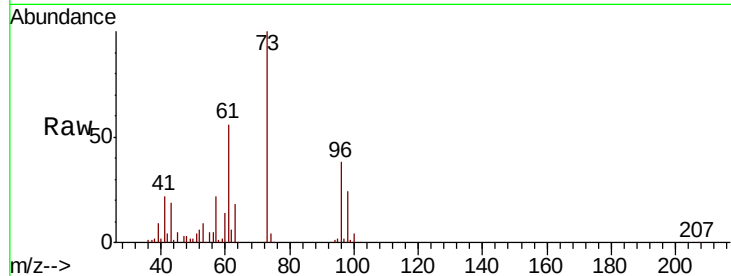
#21
trans-1,2-Dichloroethene
Concen: 24.218 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	122.6	183.8
98	63.1	50.3	75.5

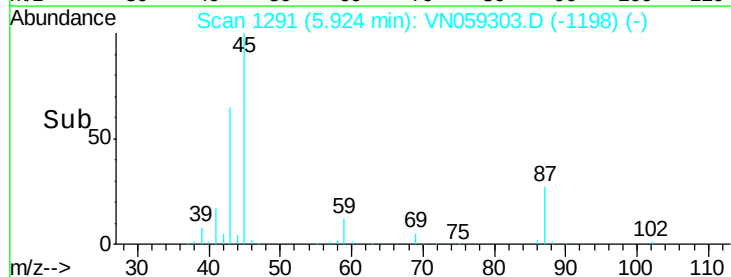
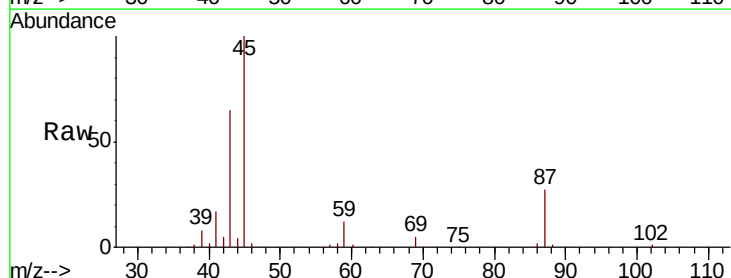
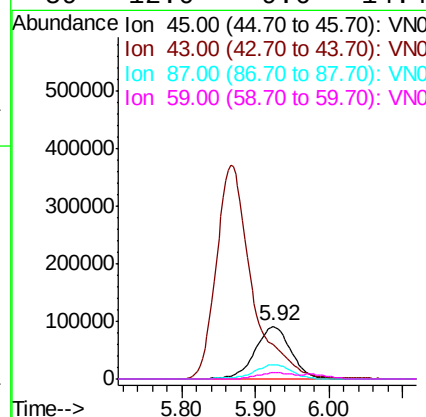
Manual Integrations
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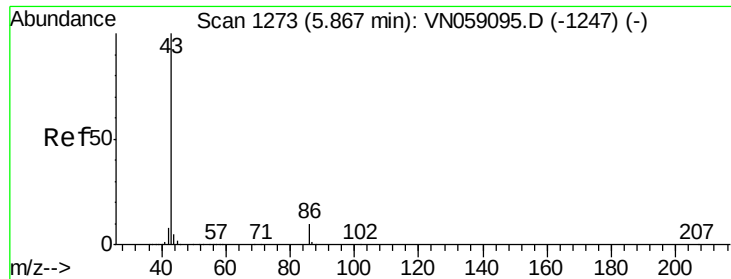
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#22
Diisopropyl ether
Concen: 22.270 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	46.7	70.1
87	27.3	20.5	30.7
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 115.559 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 43 Resp: 1242057

Ion Ratio Lower Upper

43 100

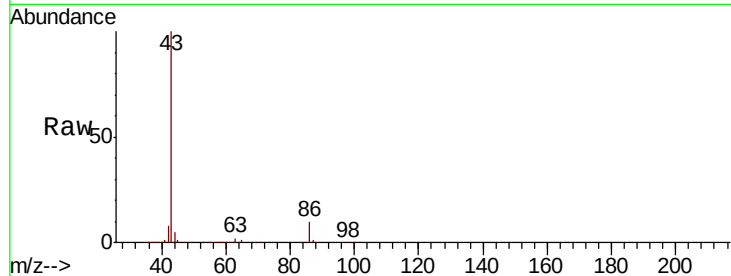
86 9.7 7.7 11.5

Manual Integrations

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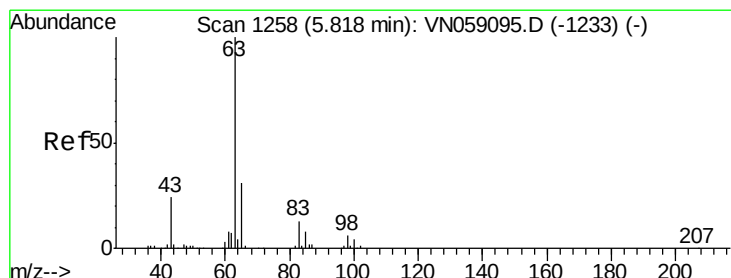
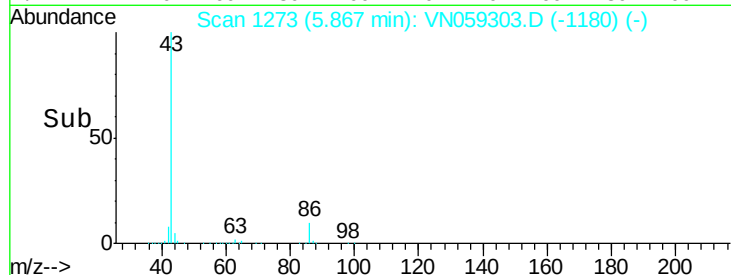
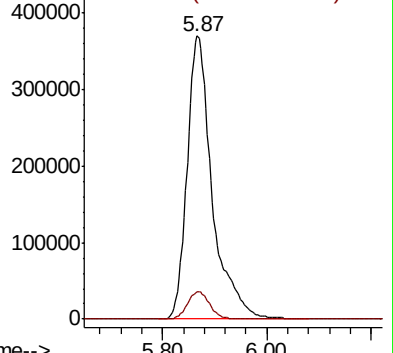
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.818 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

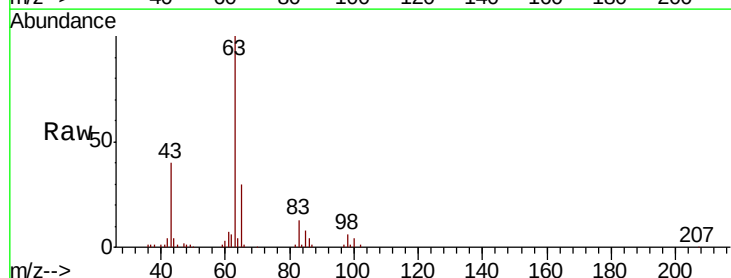
Tgt Ion: 63 Resp: 176743

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

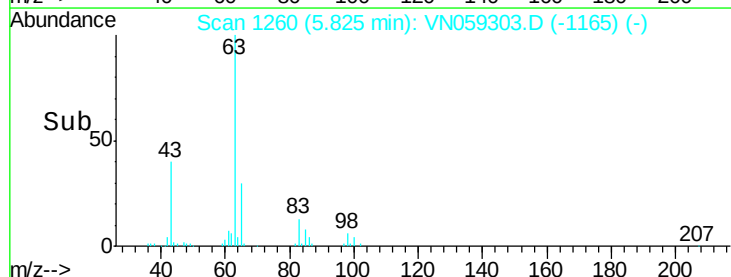
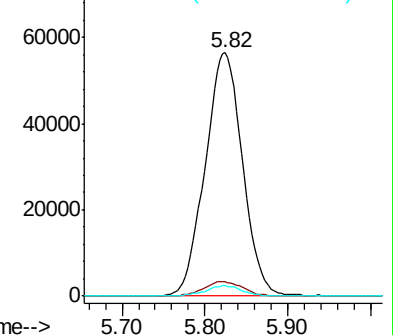
100 4.1 1.9 5.7

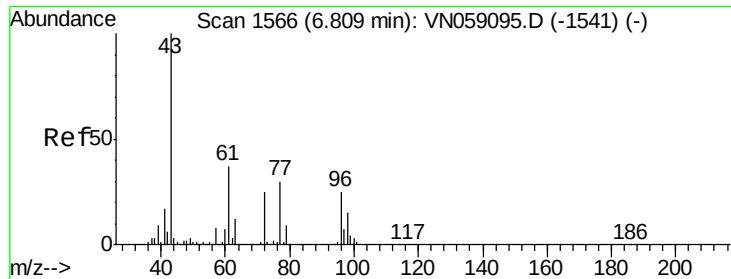


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 107.829 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 43 Resp: 348085

Ion Ratio Lower Upper

43 100

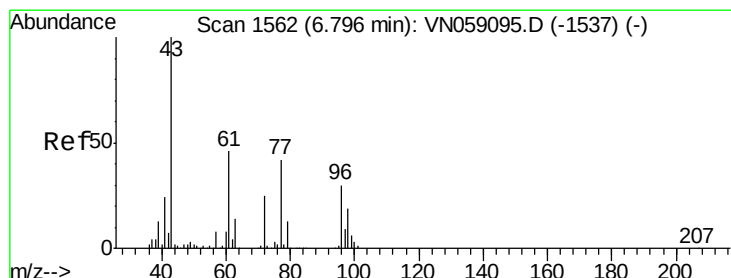
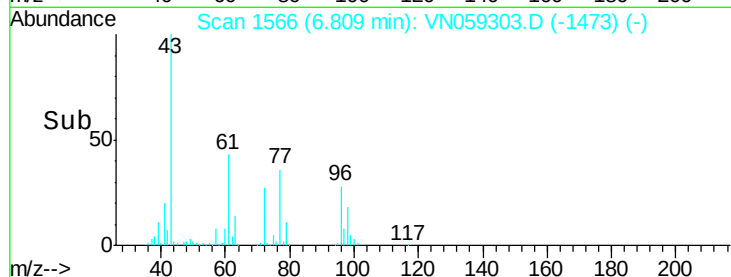
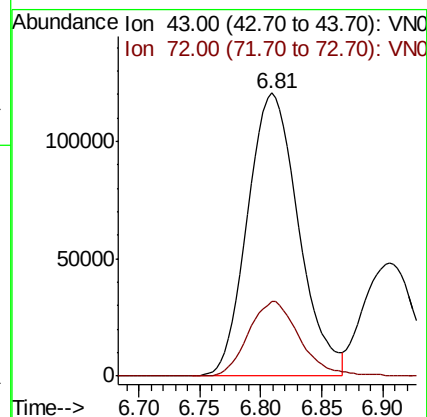
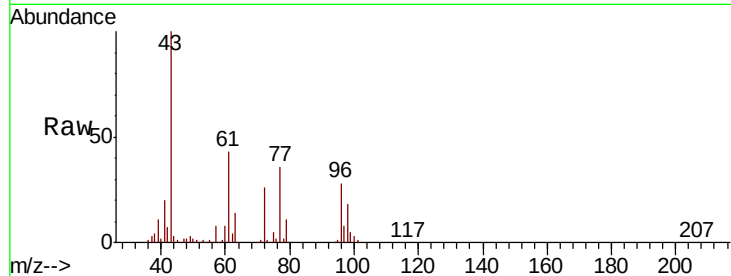
72 26.5 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.116 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN059303.D

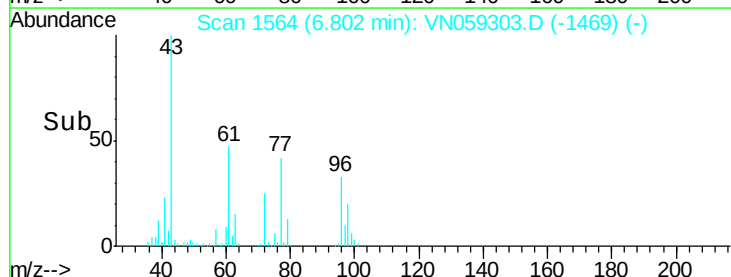
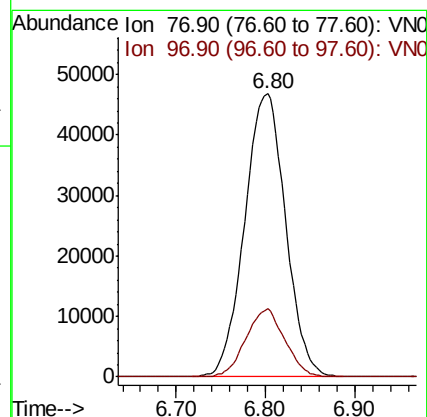
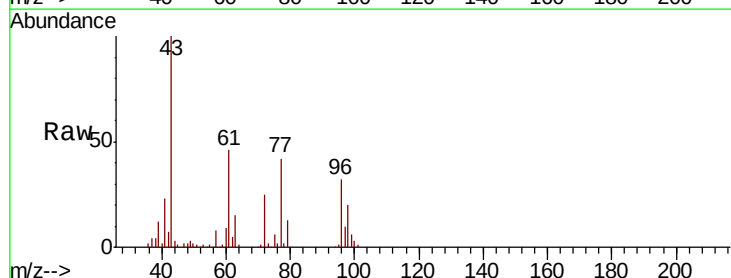
Acq: 19 Nov 2019 13:29

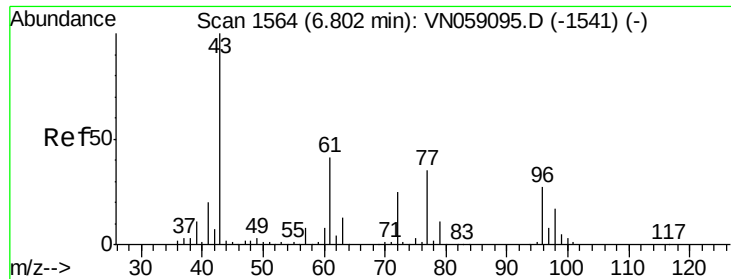
Tgt Ion: 77 Resp: 149796

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 23.224 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

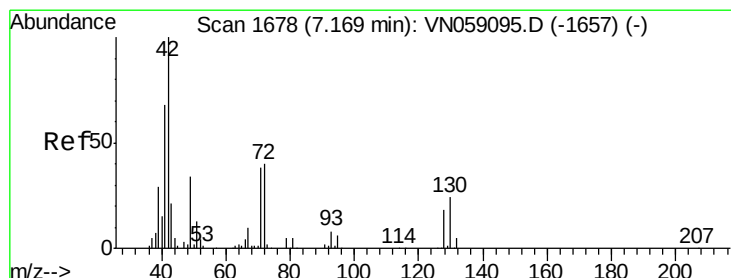
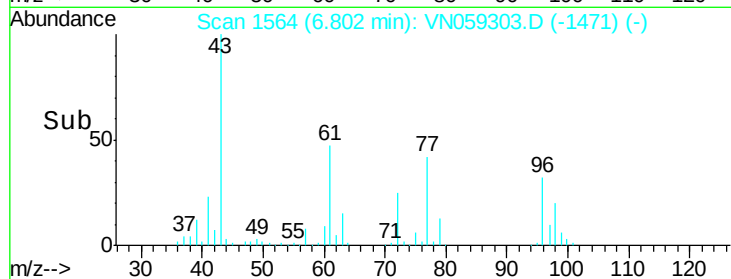
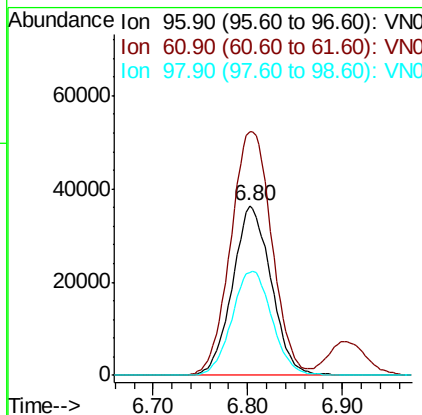
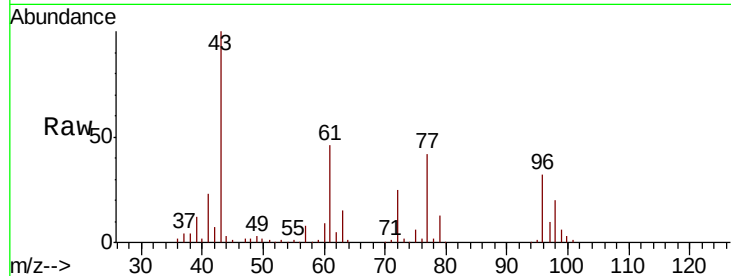
ClientSampleId :

VN1119WBS02

Tot Ion:	96	Resp:	103374
Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	311.6
98	63.6	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 13.980 ug/l

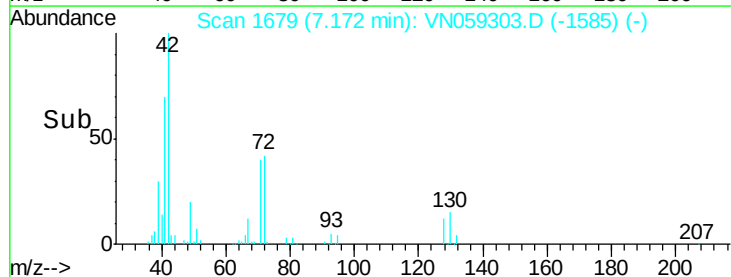
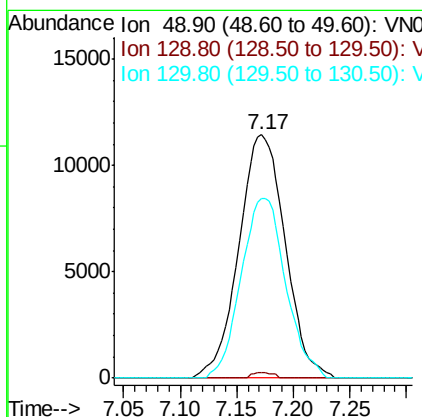
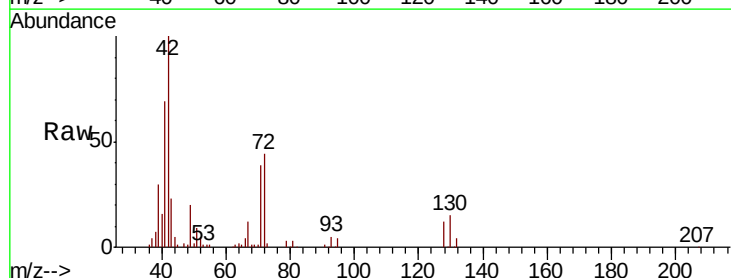
RT: 7.17 min Scan# 1679

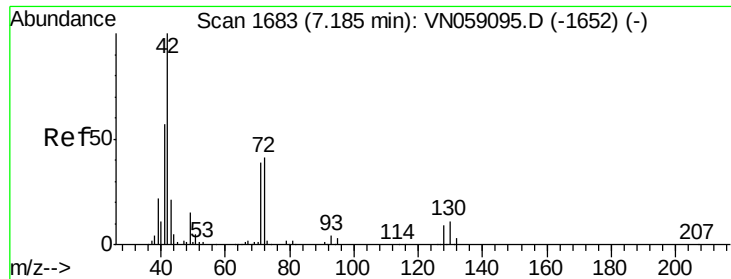
Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion:	49	Resp:	32578
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	71.1	55.6	83.4





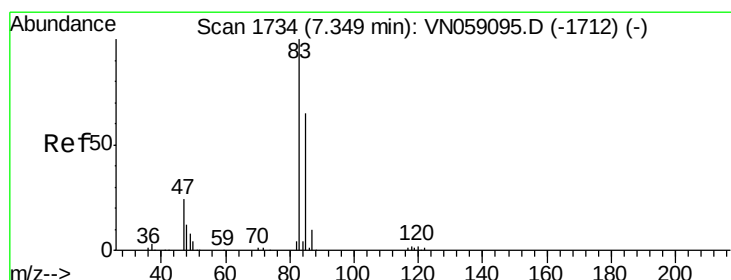
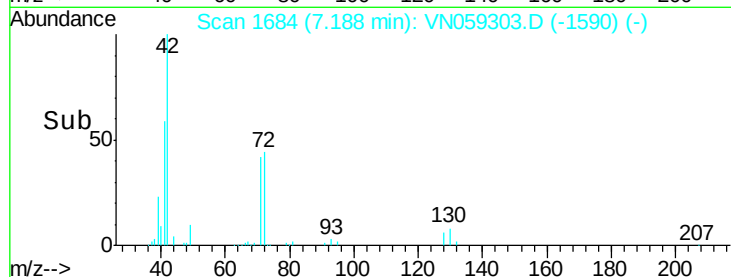
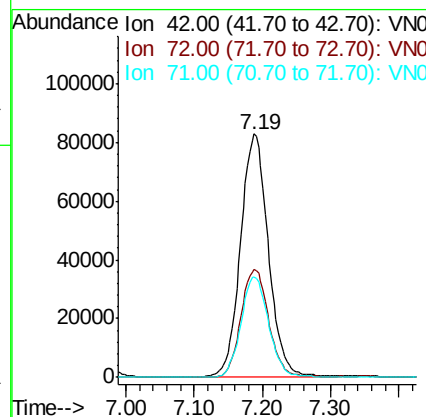
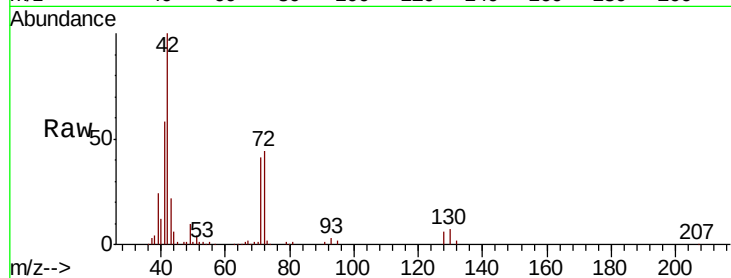
#29
Tetrahydrofuran
Concen: 115.400 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.1	49.7
71	40.8	30.9	46.3

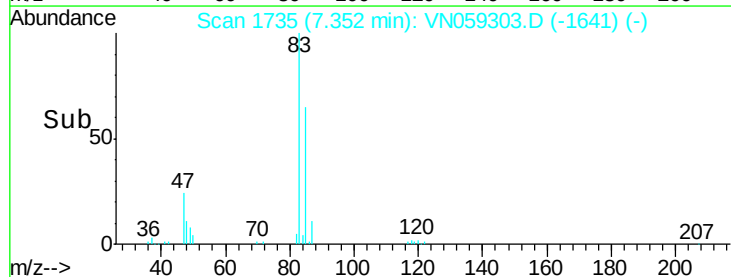
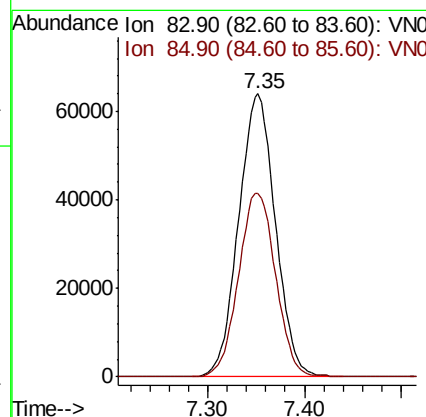
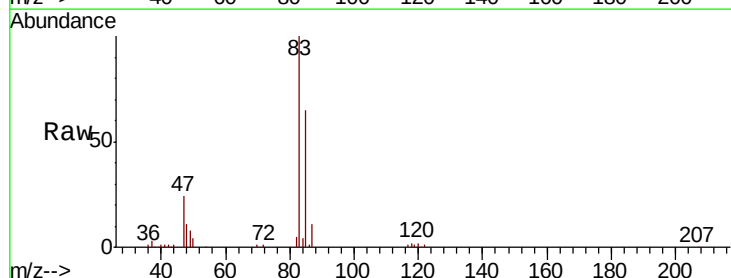
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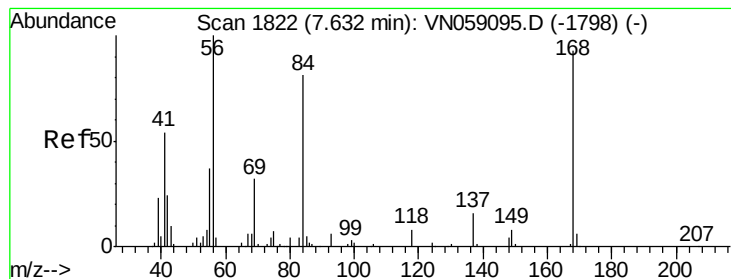
MMDadoda
11/20/2019 1:37:24 PM



#30
Chloroform
Concen: 22.704 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





#31

Cyclohexane

Concen: 23.119 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

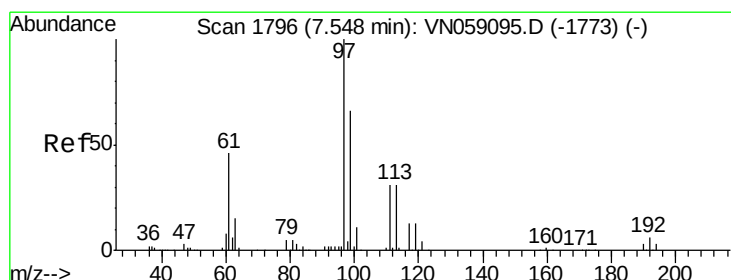
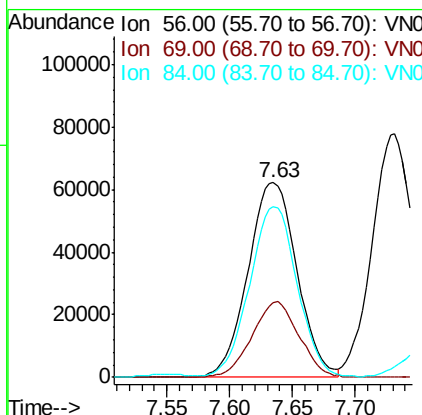
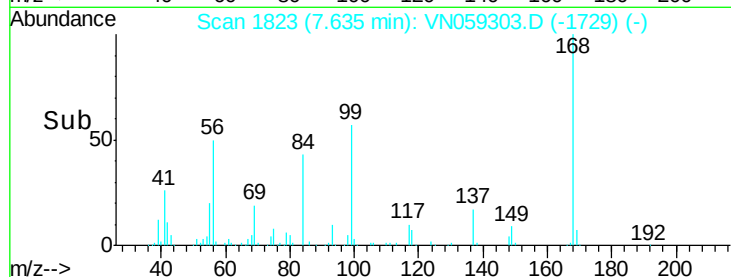
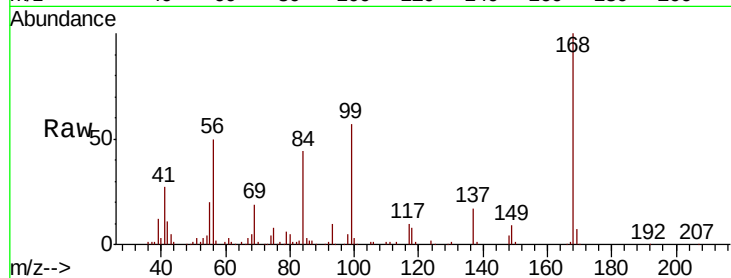
ClientSampleId :

VN1119WBS02

Tot Ion	56	Resp	169532
Ion Ratio	Lower	Upper	
56	100		
69	38.5	25.8	38.8
84	86.6	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.310 ug/l

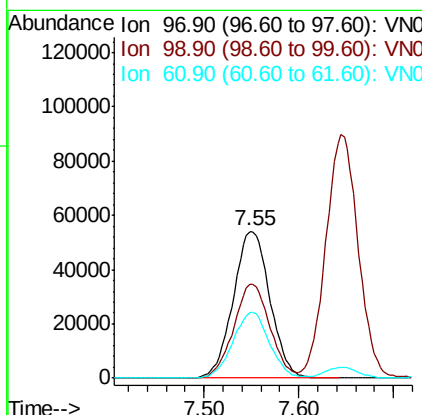
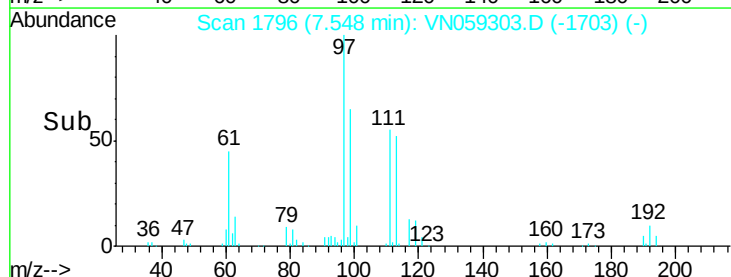
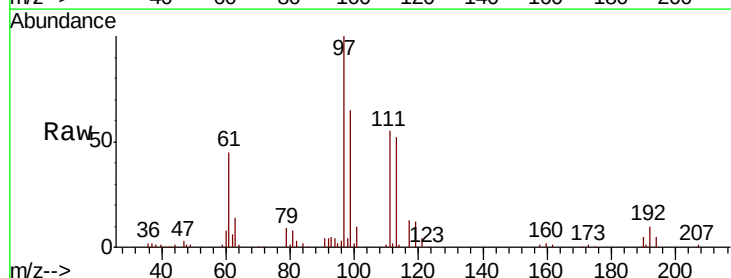
RT: 7.55 min Scan# 1796

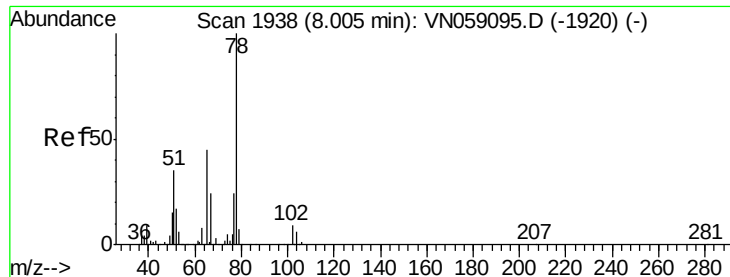
Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion	97	Resp	145619
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.0	76.6
61	44.6	35.8	53.8





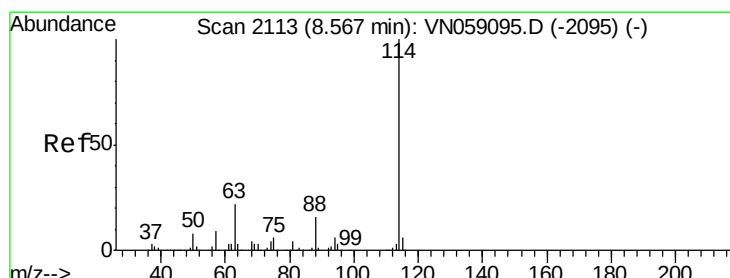
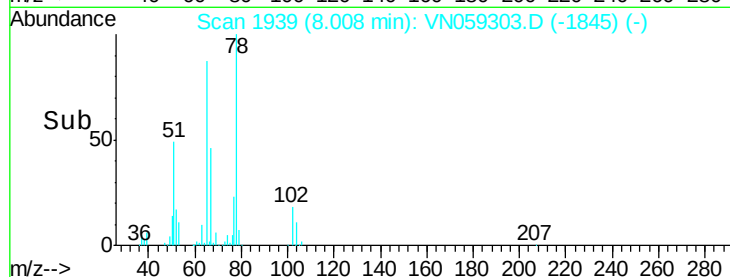
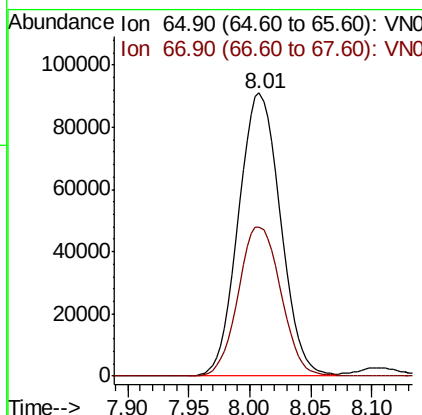
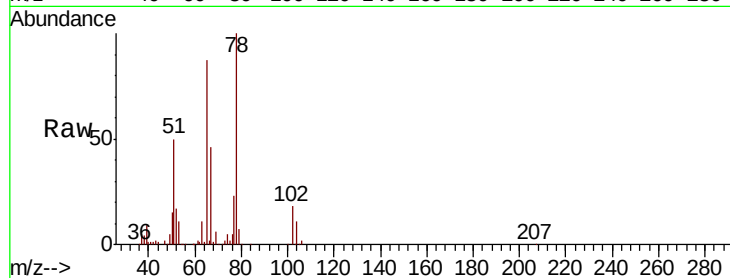
#33
 1,2-Dichloroethane-d4
 Concen: 46.077 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.4

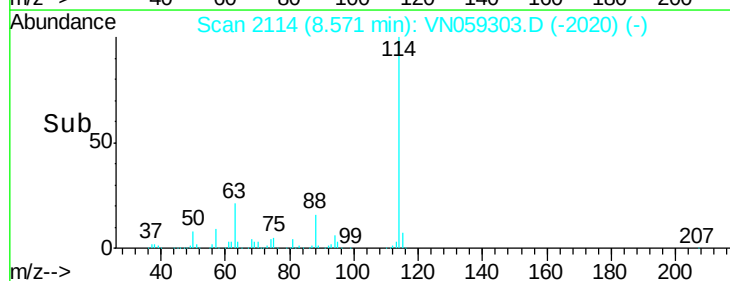
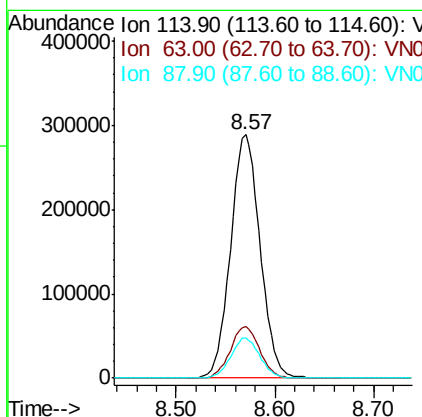
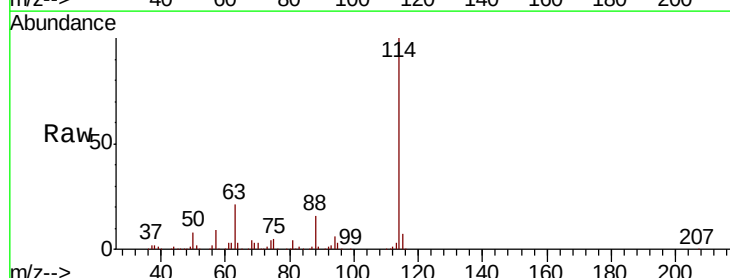
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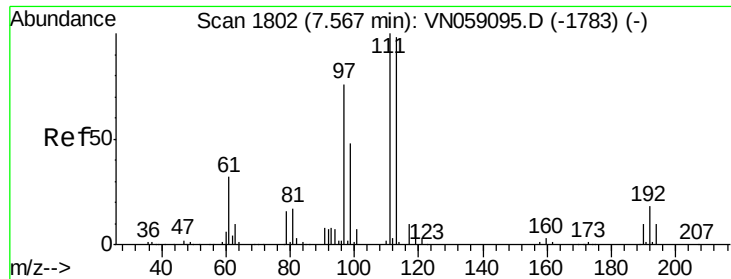
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.4
88	16.3	0.0	32.2





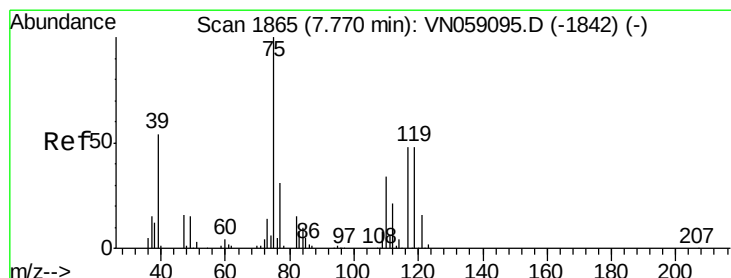
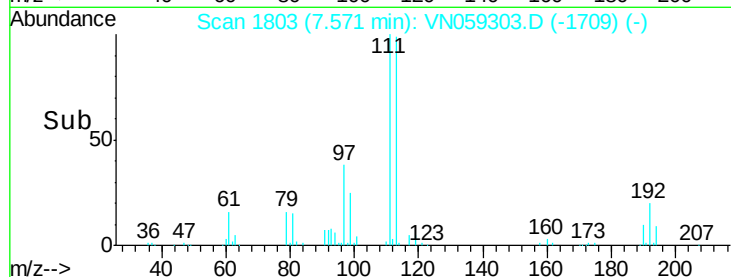
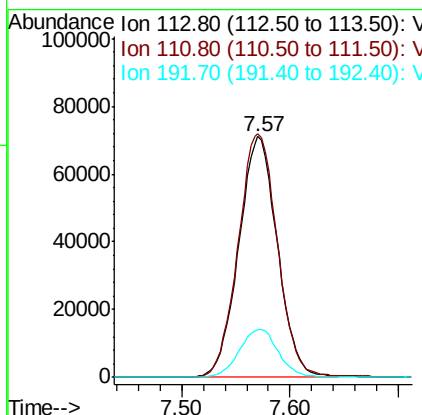
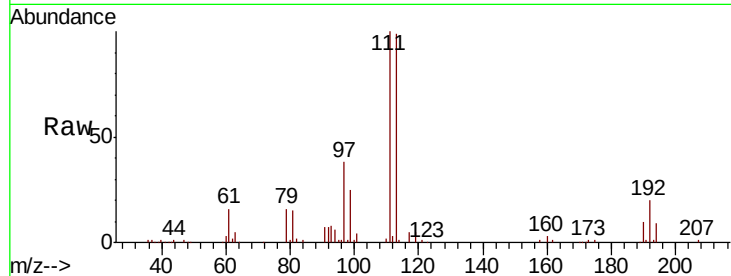
#35
Dibromofluoromethane
Concen: 49.281 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176828		
111	103.5	82.8	124.2	
192	20.2	16.1	24.1	

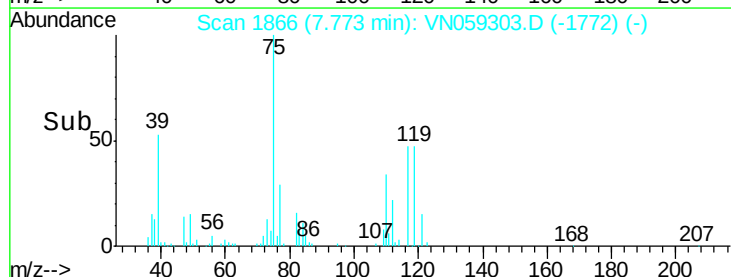
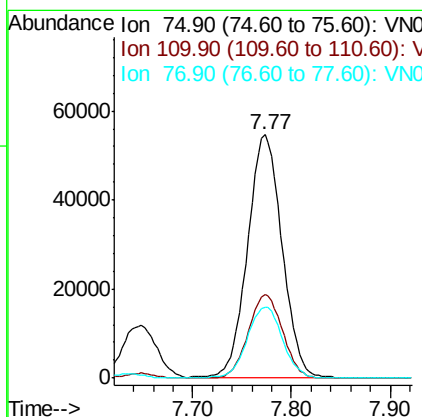
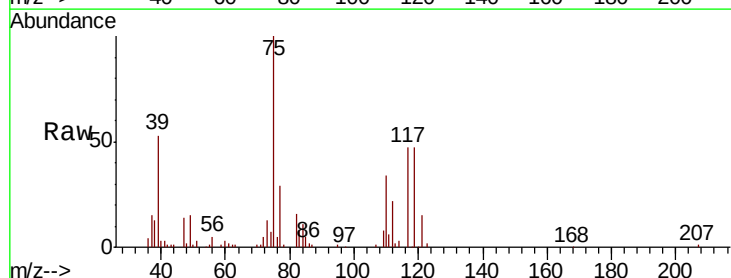
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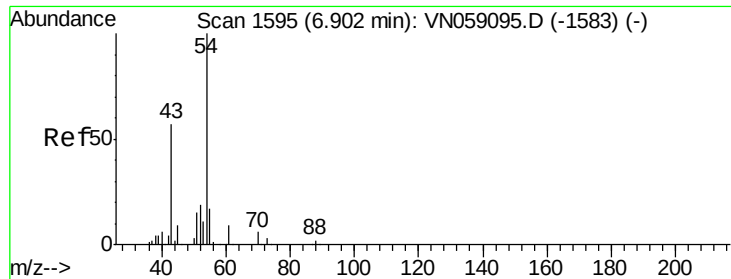
MMDadoda
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#36
1,1-Dichloropropene
Concen: 23.577 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132432		
110	33.8	17.1	51.2	
77	29.9	24.8	37.2	





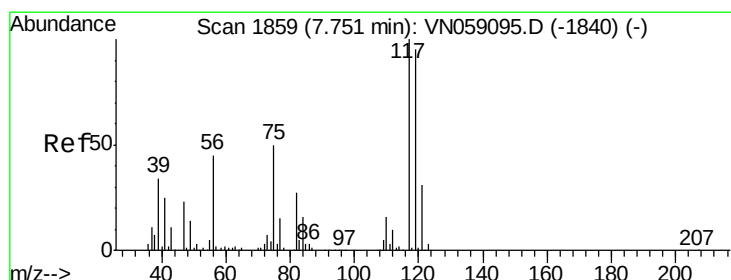
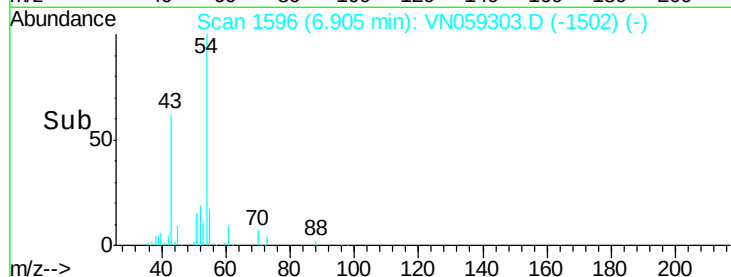
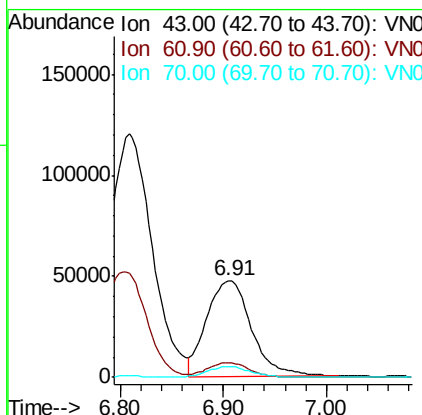
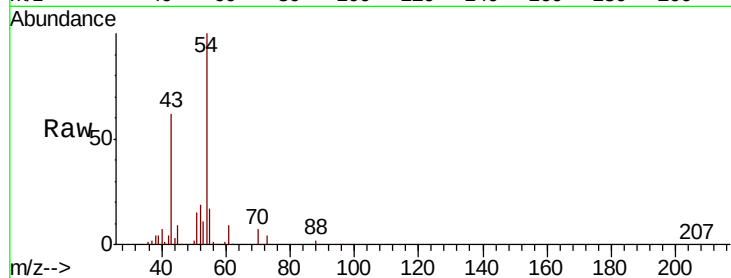
#37
Ethyl Acetate
Concen: 22.959 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	43	61	70
Resp	143463		
Ratio	100	14.6	10.7
Lower		11.2	7.8
Upper		16.8	11.8

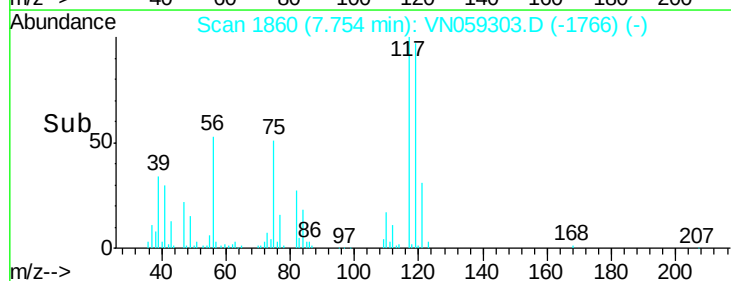
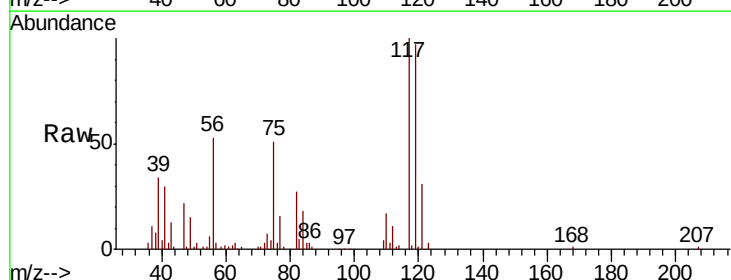
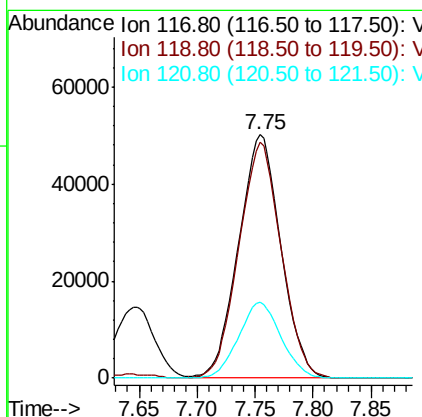
Manual Integrations
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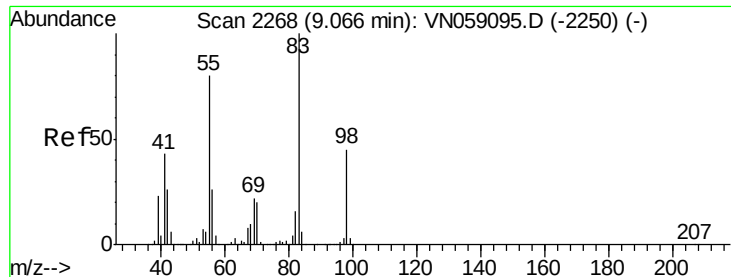
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#38
Carbon Tetrachloride
Concen: 22.737 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	117	119	121
Resp	127114		
Ratio	100	96.9	31.3
Lower		75.6	24.6
Upper		113.4	36.8





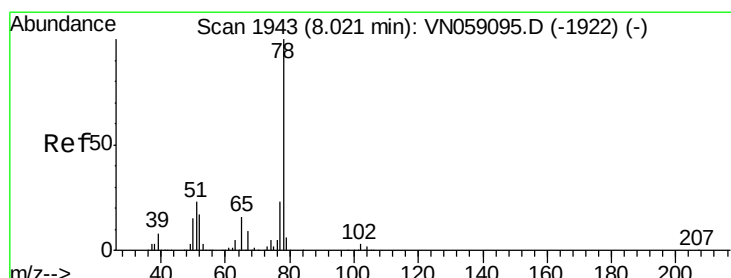
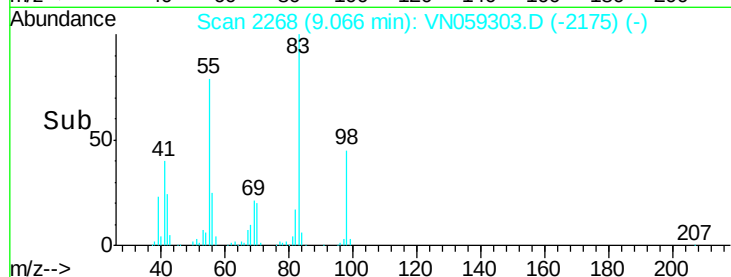
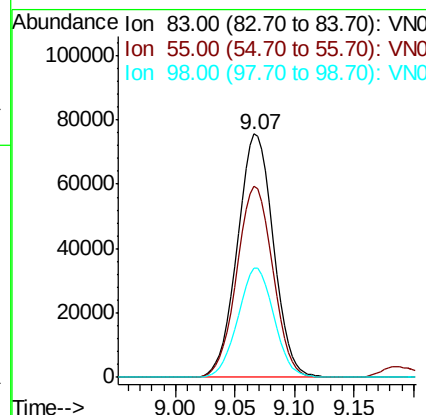
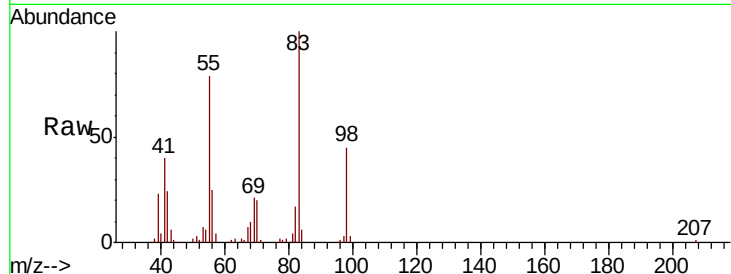
#39
Methylvlcyclohexane
Concen: 24.347 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.6	63.9	95.9	
98	44.9	35.6	53.4	

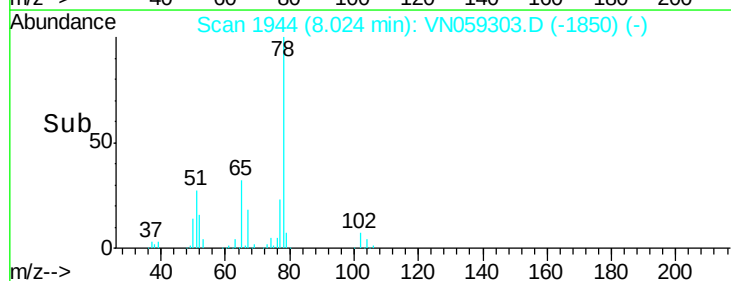
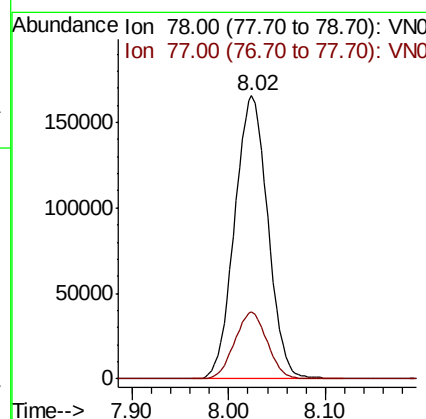
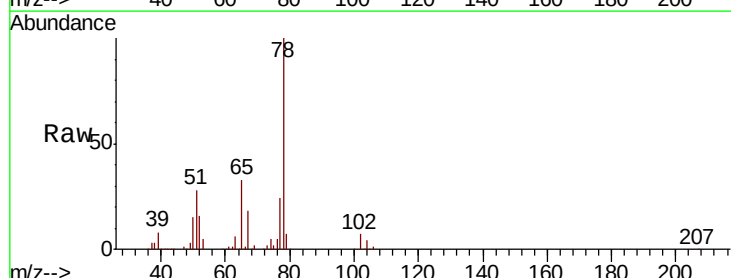
Manual Integrations
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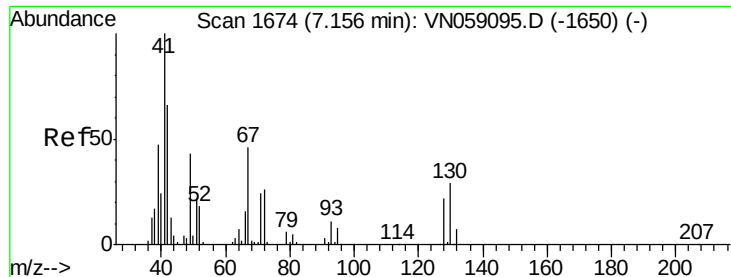
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#40
Benzene
Concen: 23.350 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.8	28.2	





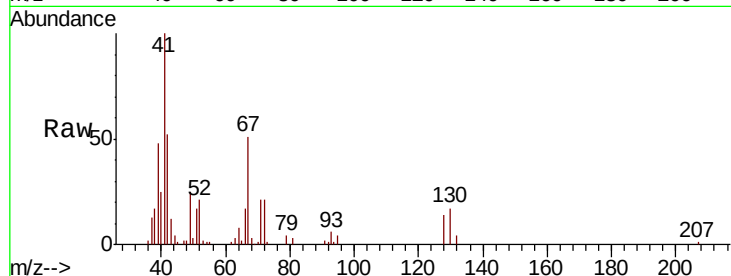
#41
Methacrylonitrile
Concen: 22.511 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampled :
VN1119WBS02

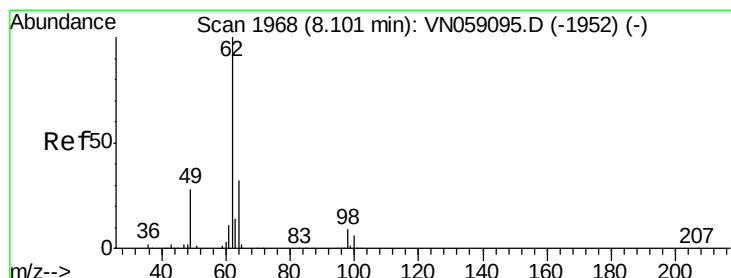
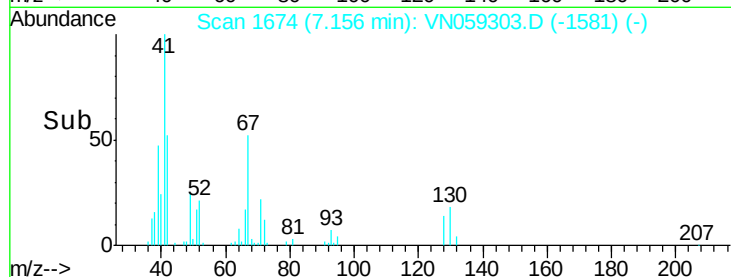
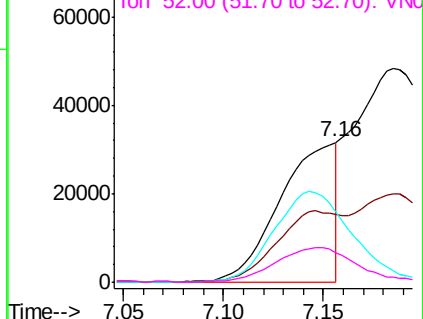
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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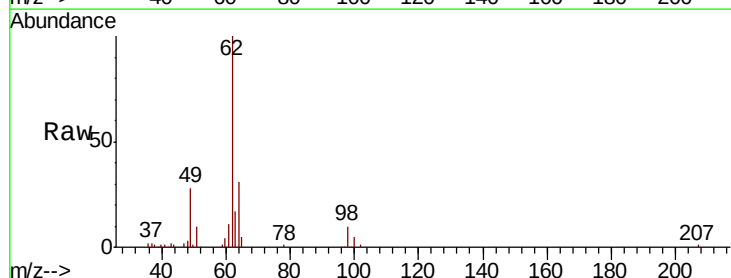


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

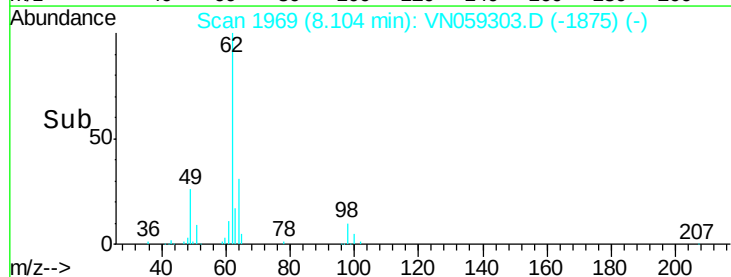
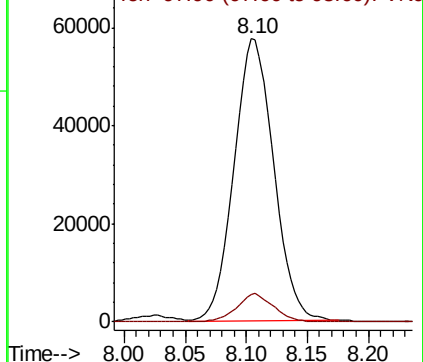


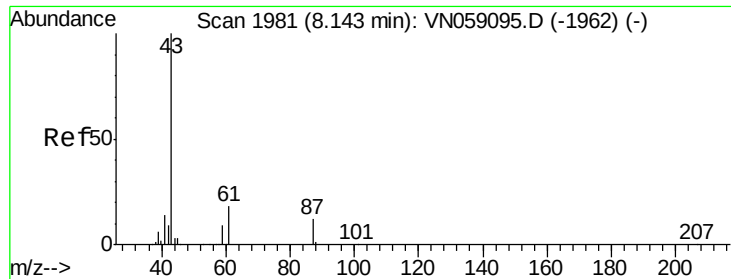
#42
1,2-Dichloroethane
Concen: 22.415 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.617 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

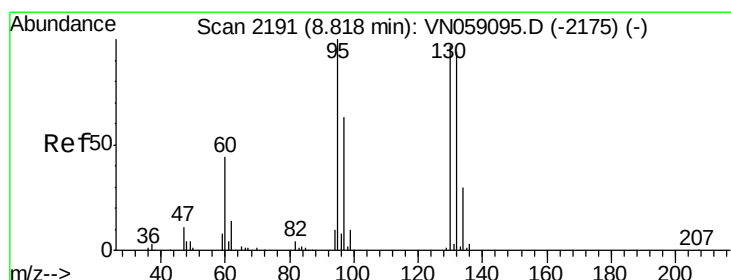
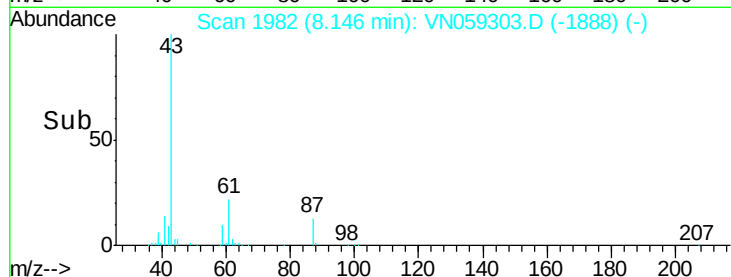
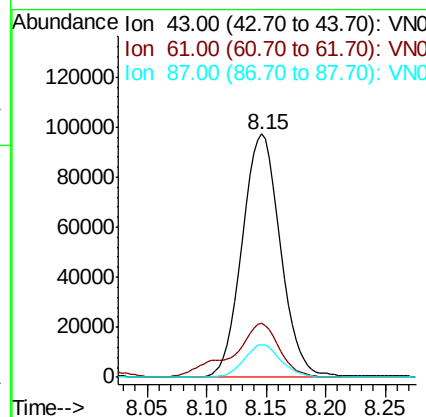
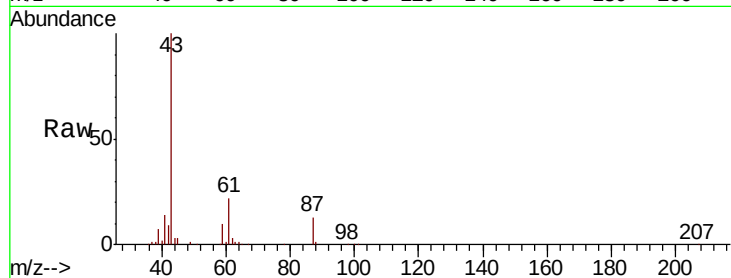
ClientSampleId :

VN1119WBS02

Tot Ion:	43	Resp:	215350
Ion	Ratio	Lower	Upper
43	100		
61	27.7	21.0	31.6
87	13.1	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 23.554 ug/l

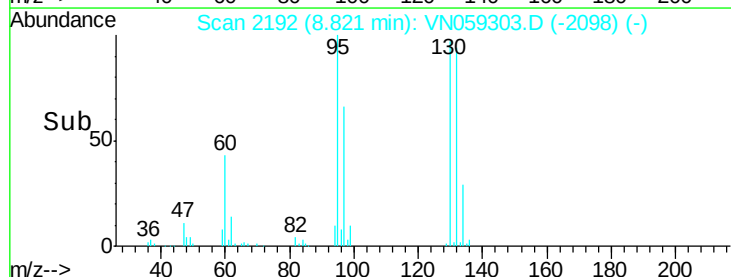
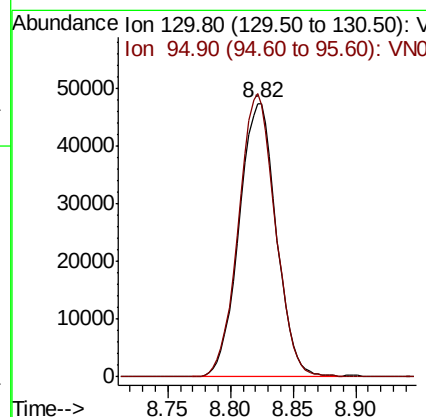
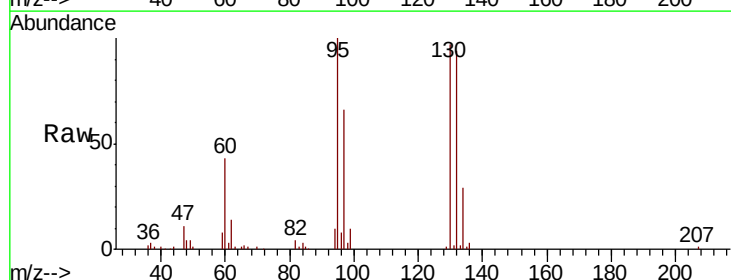
RT: 8.82 min Scan# 2192

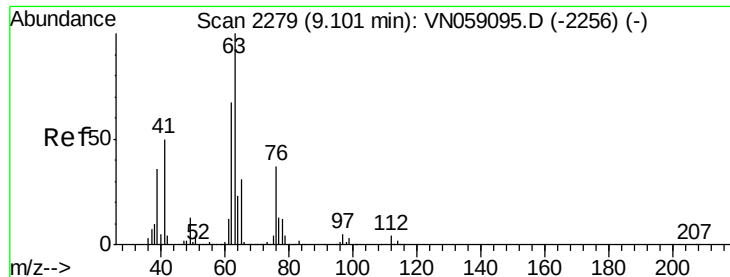
Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion:	130	Resp:	97935
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	206.4





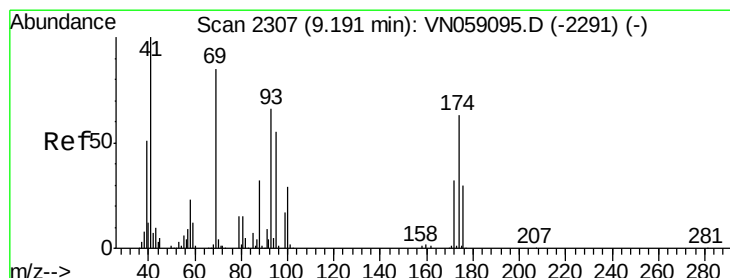
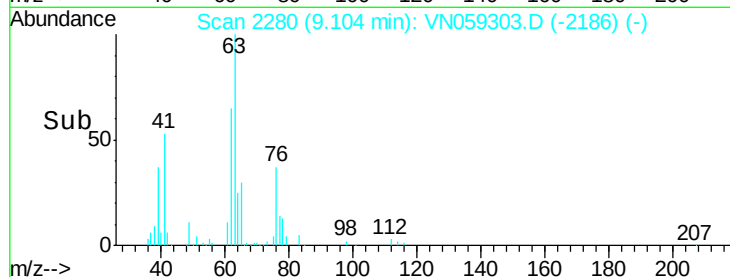
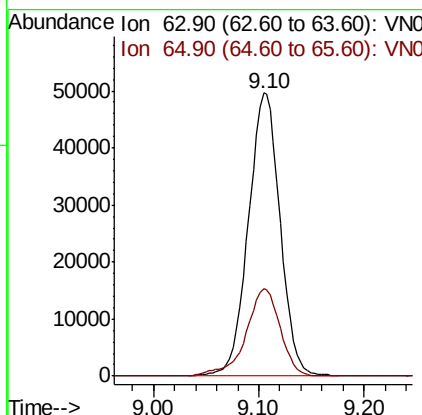
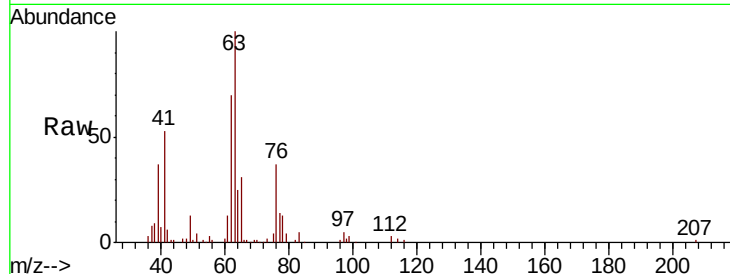
#45
 1,2-Dichloropropane
 Concen: 22.670 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion: 63 Resp: 104152
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

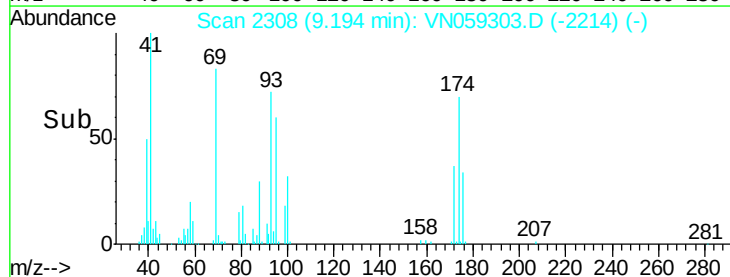
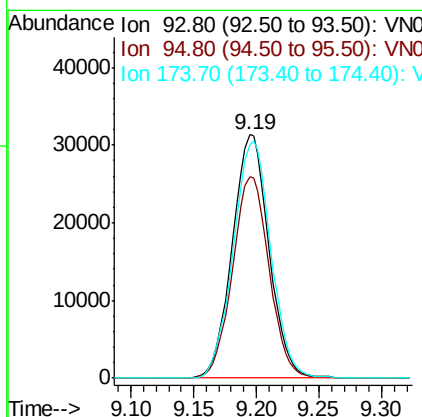
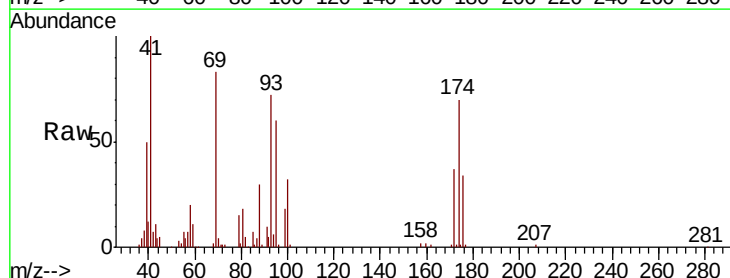
Manual Integrations
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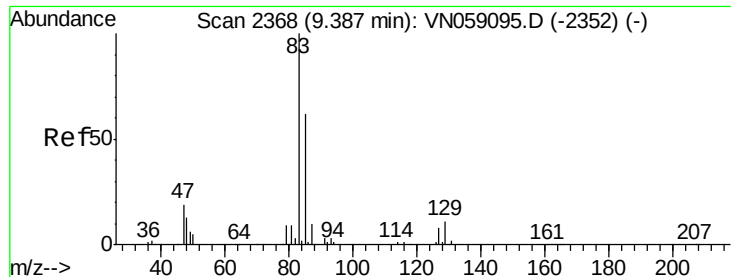
MMDadoda
 11/20/2019 1:37:24 PM



#46
 Dibromomethane
 Concen: 22.239 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion: 93 Resp: 63668
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 100.0 78.2 117.2





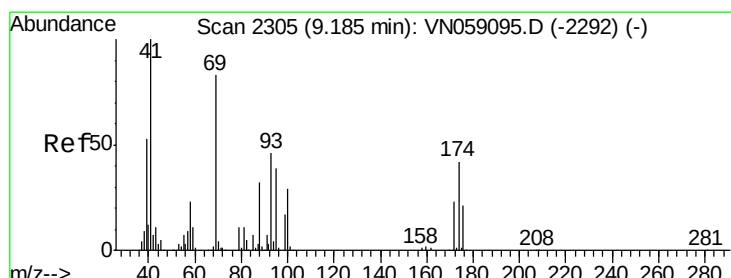
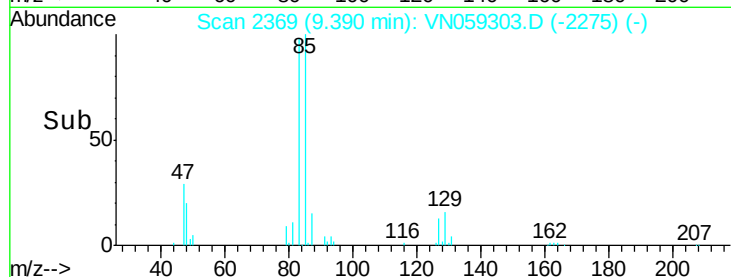
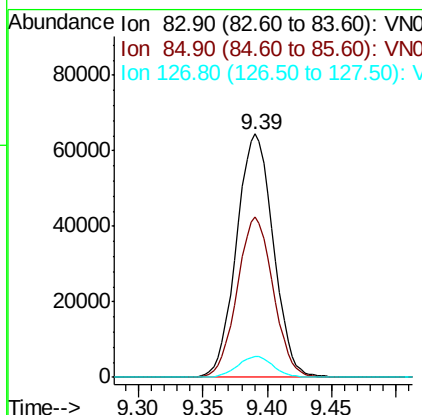
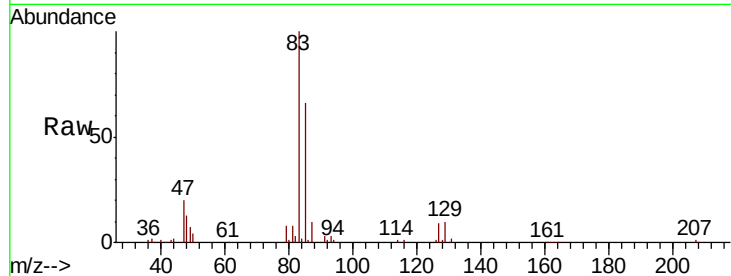
#47
Bromodichloromethane
Concen: 22.394 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	83	Resp	128020
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	49.7	74.5
127	8.6	6.4	9.6

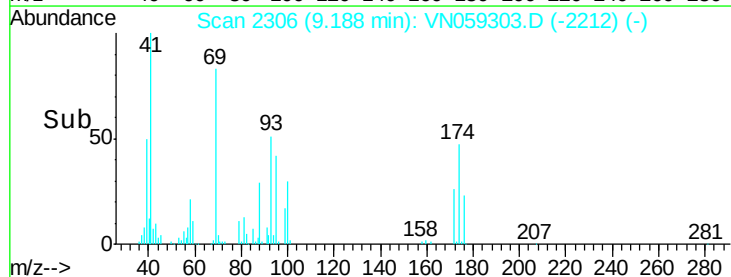
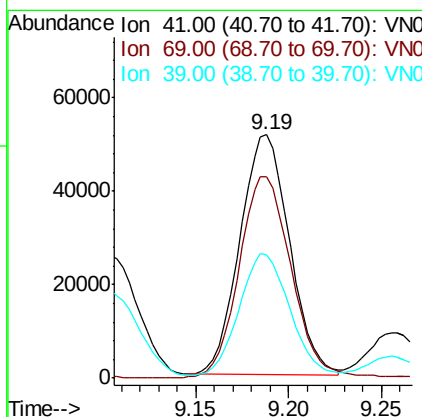
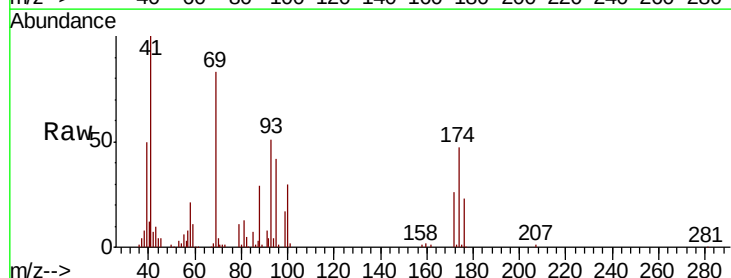
Manual Integrations
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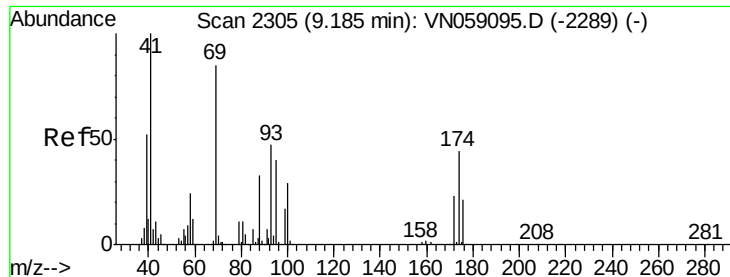
MMDadoda
11/20/2019 1:37:24 PM



#48
Methyl methacrylate
Concen: 21.512 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	41	Resp	95857
Ion Ratio	100	Lower	Upper
41	100		
69	88.8	67.3	100.9
39	53.2	43.3	64.9





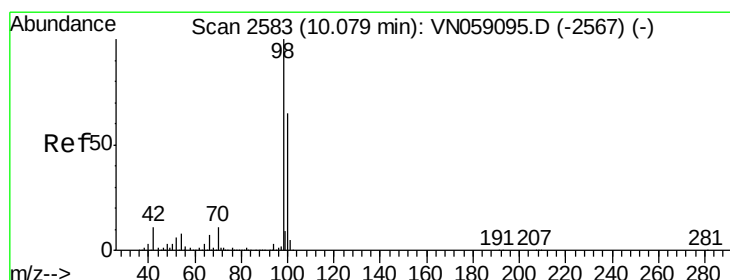
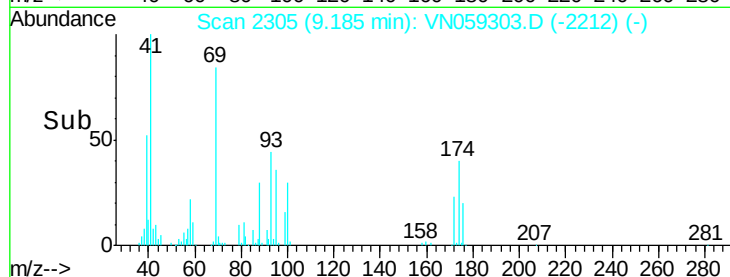
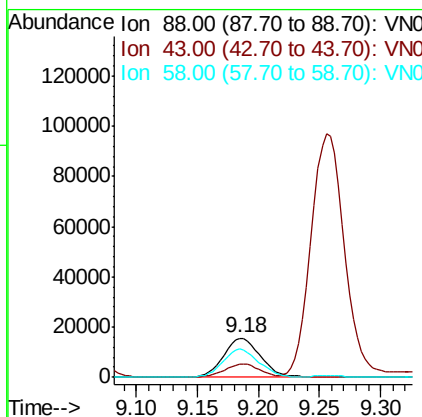
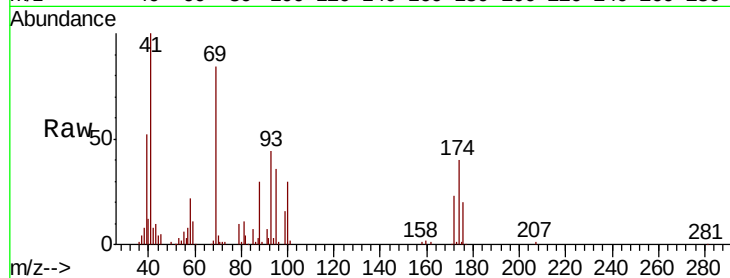
#49
1,4-Dioxane
Concen: 414.489 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	88	Resp	32823
Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.3	39.5
58	71.7	60.6	90.8

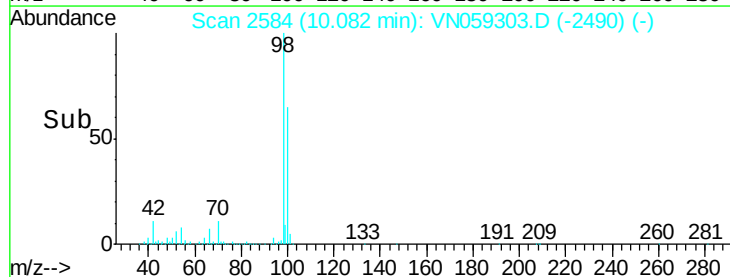
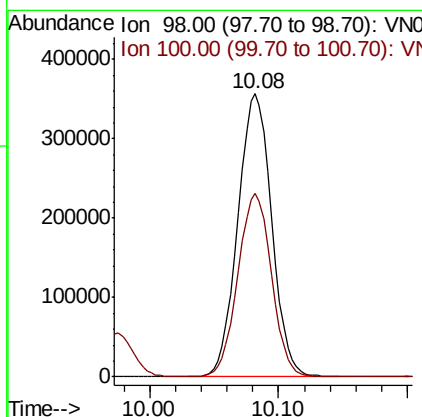
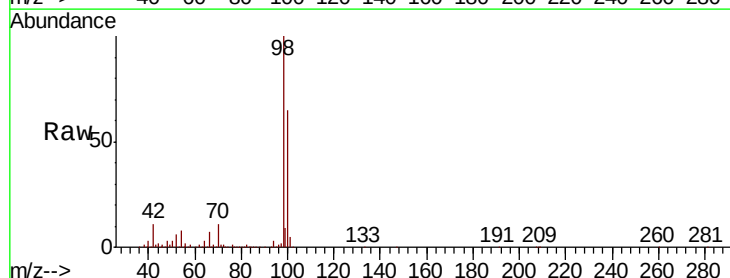
Manual Integrations
APPROVED

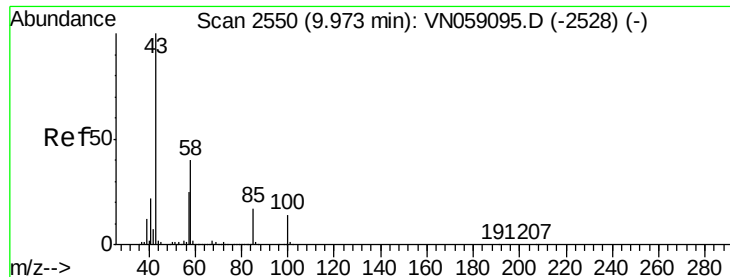
MMDadoda
11/20/2019 1:37:24 PM



#50
Toluene-d8
Concen: 46.160 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	98	Resp	652390
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 121.794 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 43 Resp: 686519

Ion Ratio Lower Upper

43 100

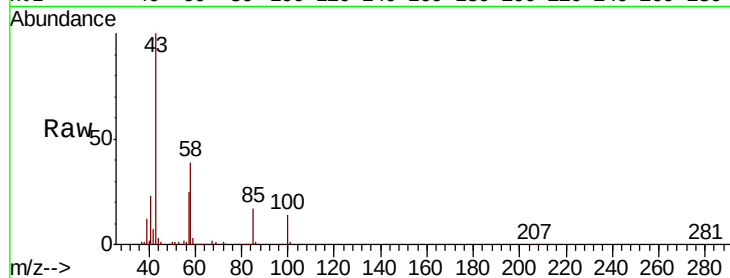
58 39.4 31.5 47.3

Manual Integrations

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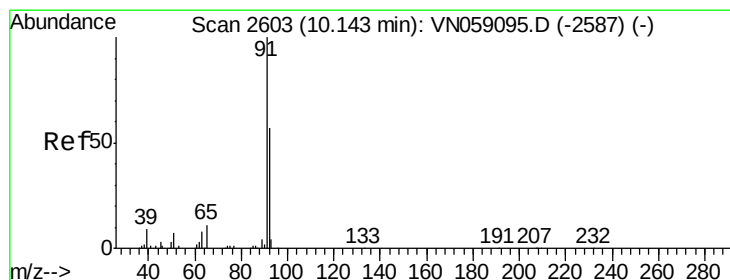
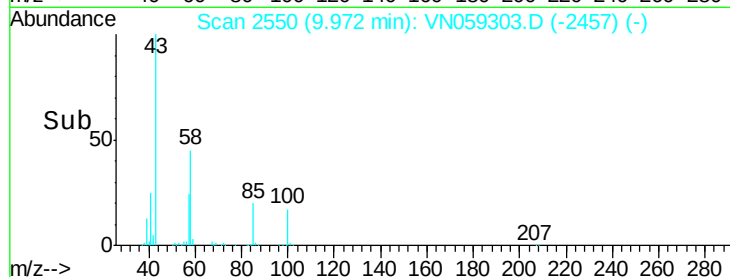
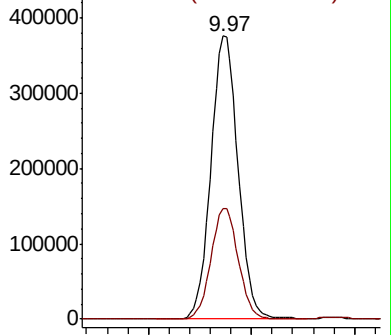
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 23.431 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059303.D

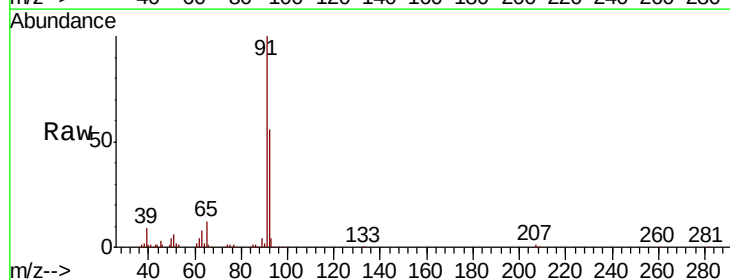
Acq: 19 Nov 2019 13:29

Tgt Ion: 92 Resp: 237547

Ion Ratio Lower Upper

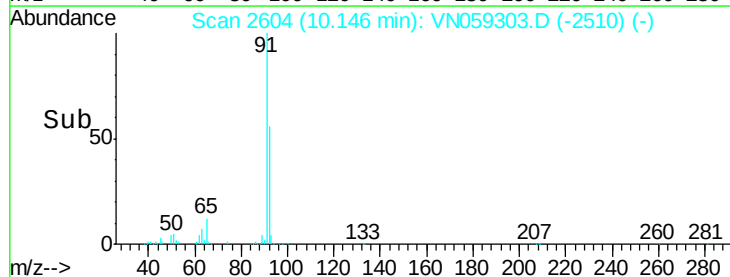
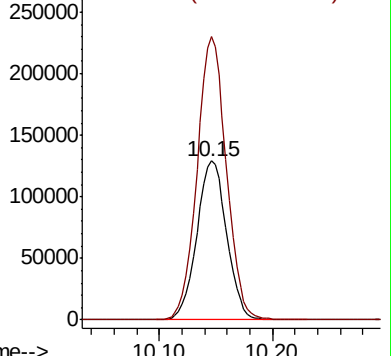
92 100

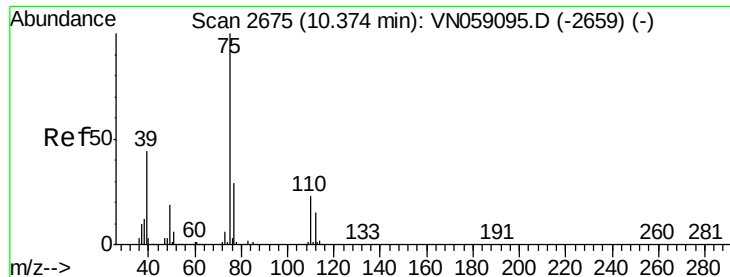
91 174.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





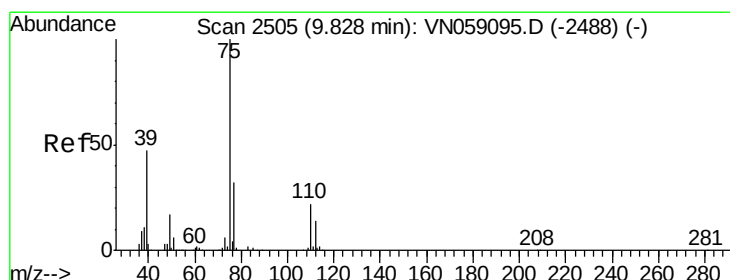
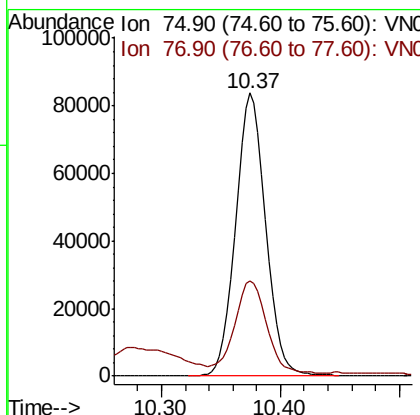
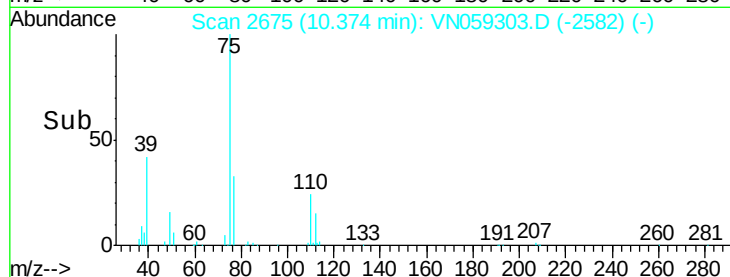
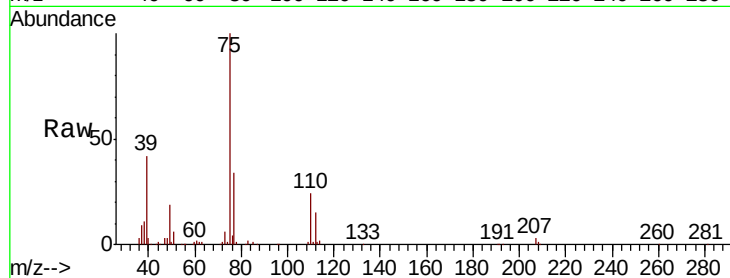
#53
 t-1,3-Dichloropropene
 Concen: 22.155 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. -0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.3	37.9

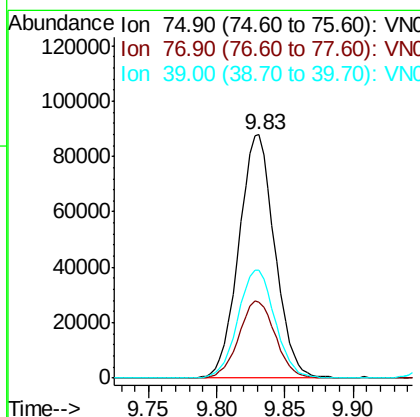
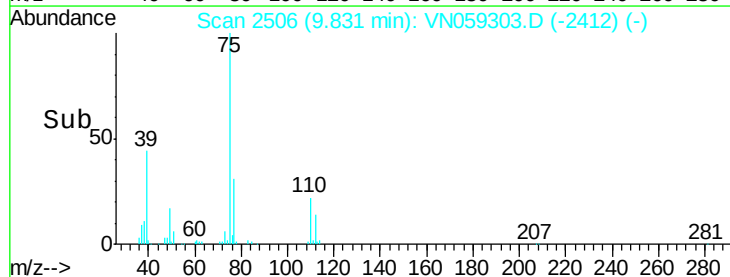
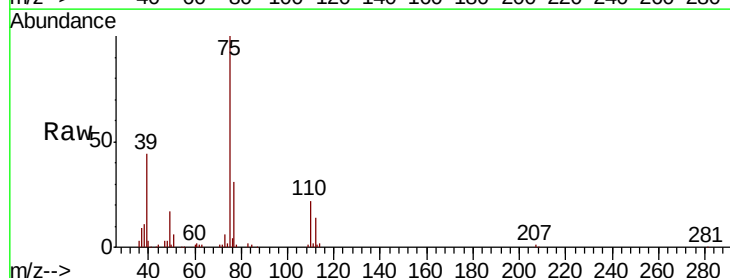
Manual Integrations
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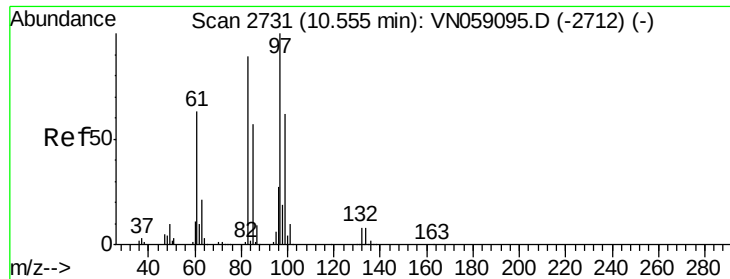
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#54
 cis-1,3-Dichloropropene
 Concen: 22.644 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3
39	44.1	37.3	55.9





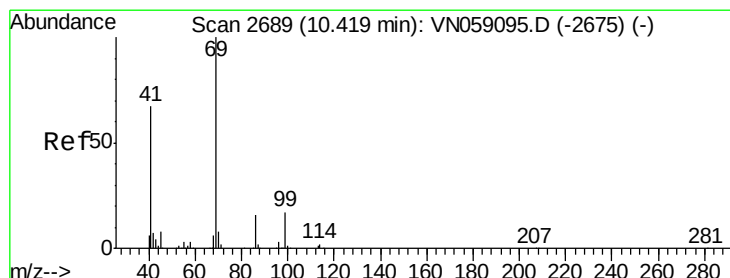
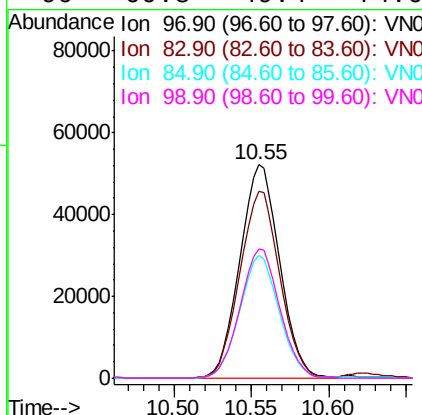
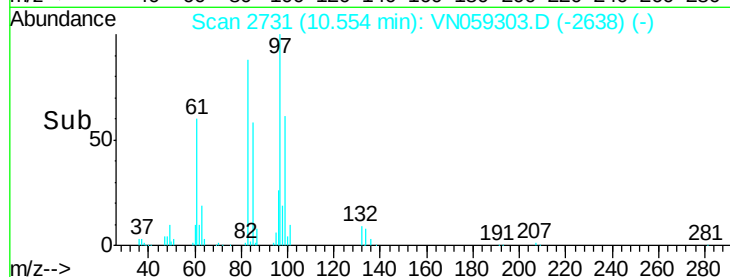
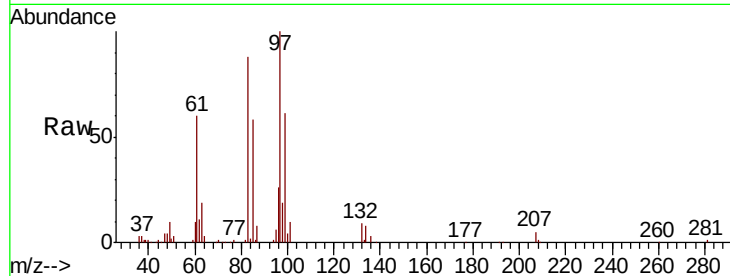
#55
 1,1,2-Trichloroethane
 Concen: 22.753 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		93356		
83	87.6	71.0	106.4		
85	57.6	45.8	68.8		
99	60.8	49.4	74.0		

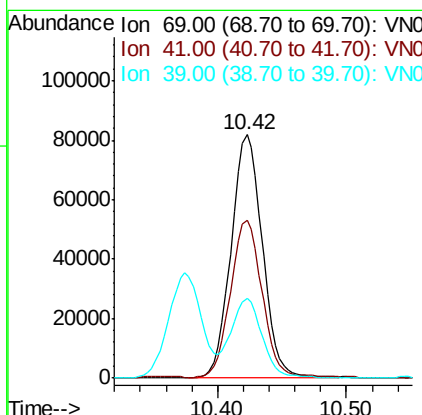
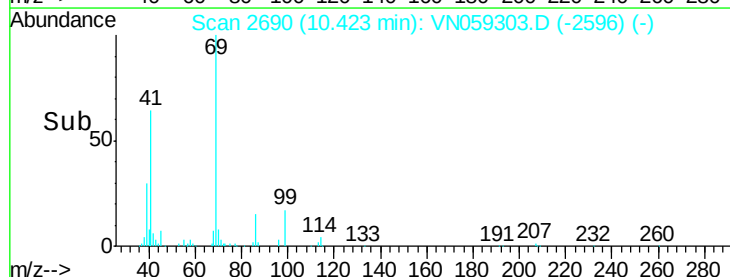
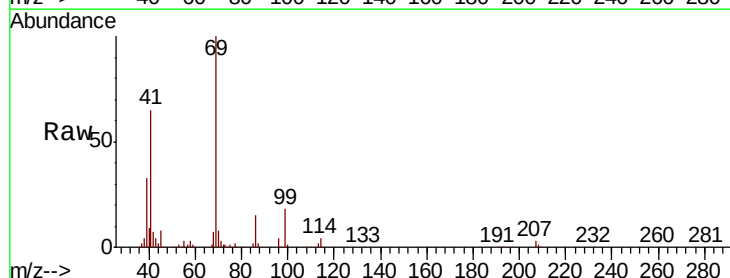
Manual Integrations
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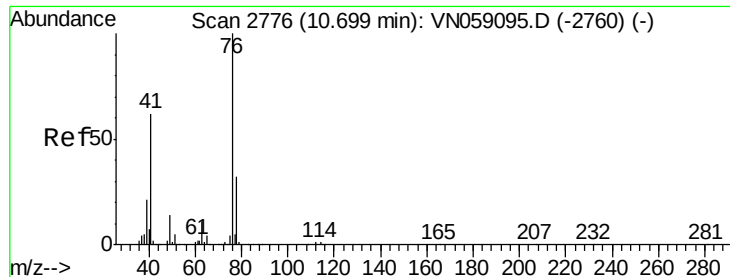
MMDadoda
 11/20/2019 1:37:24 PM



#56
 Ethyl methacrylate
 Concen: 21.301 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		138126		
41	64.9	53.6	80.4		
39	32.3	26.2	39.4		





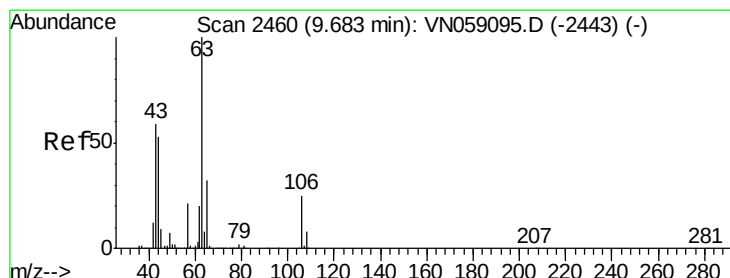
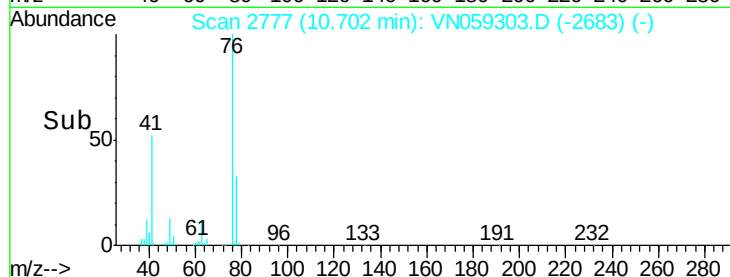
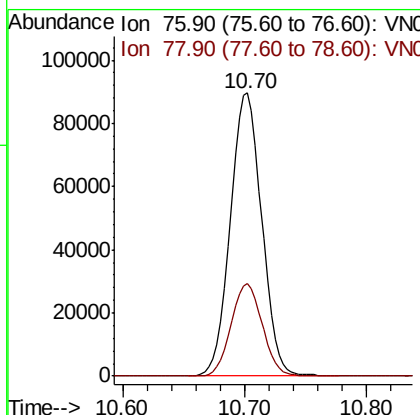
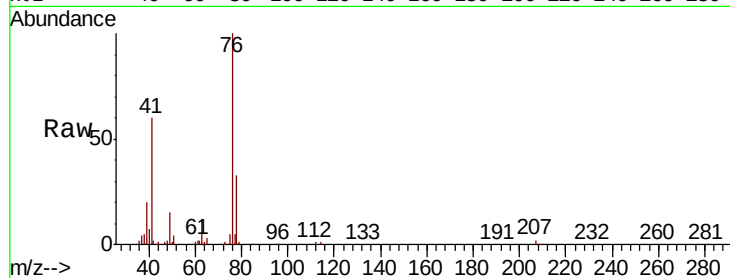
#57
 1,3-Dichloropropane
 Concen: 22.744 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

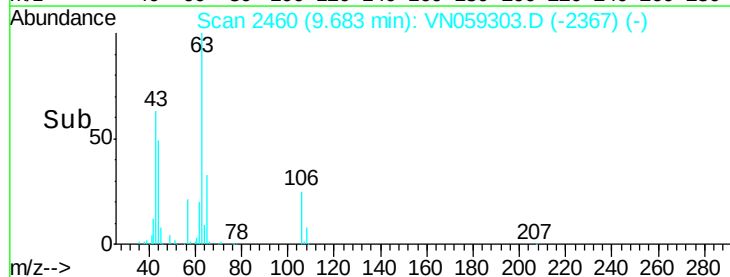
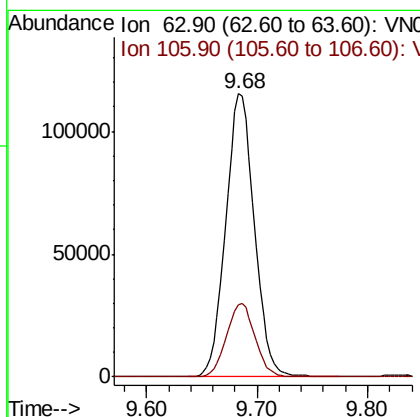
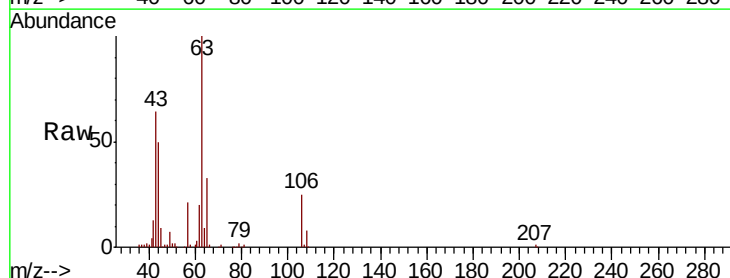
Manual Integrations
 APPROVED

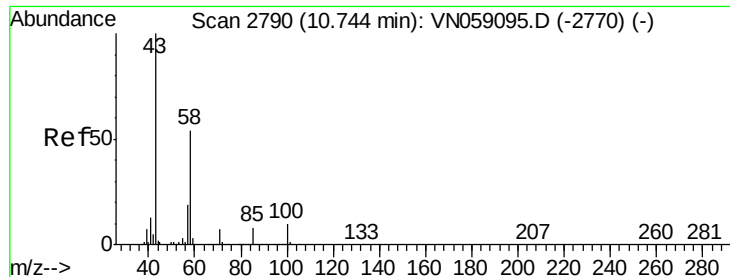
MMDadoda
 11/20/2019 1:37:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.992 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	20.2	30.2





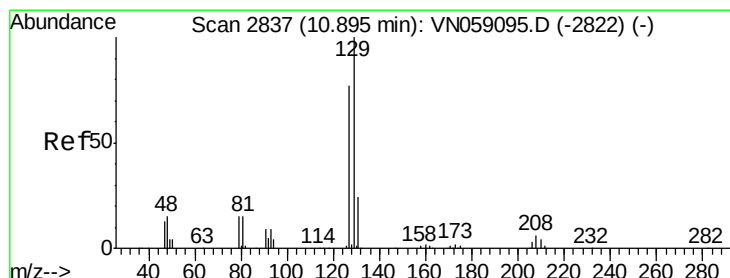
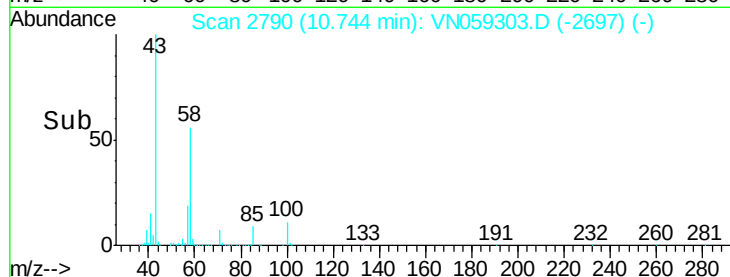
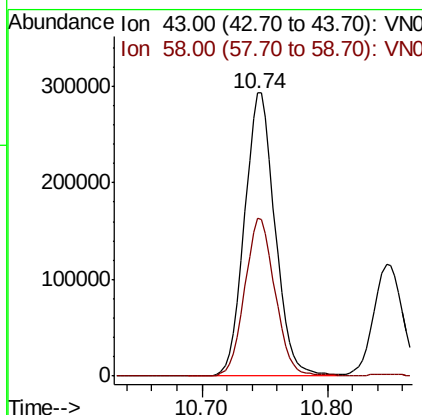
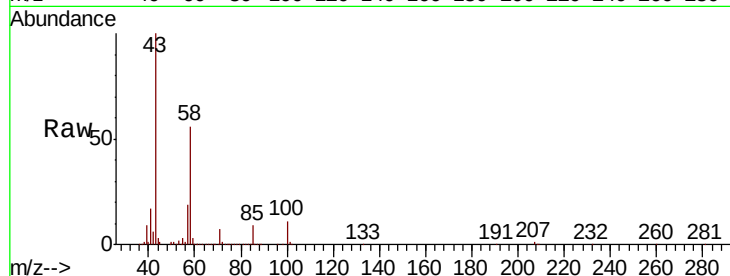
#59
2-Hexanone
Concen: 114.593 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion: 43 Resp: 495782
Ion Ratio Lower Upper
43 100
58 55.7 27.3 81.8

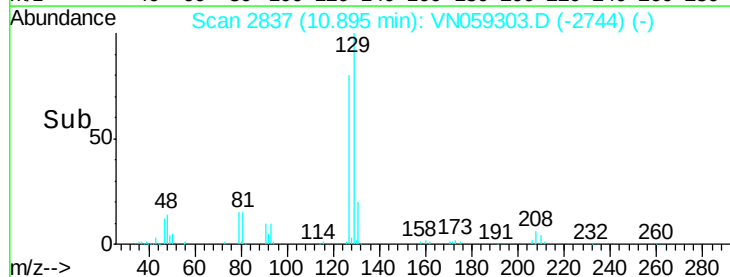
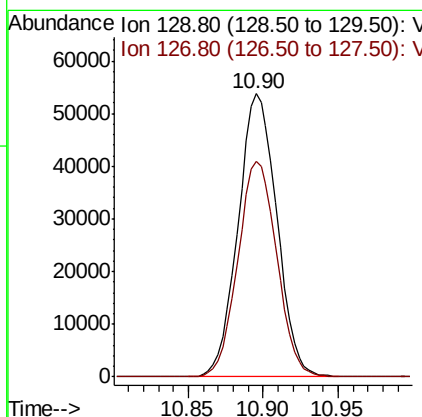
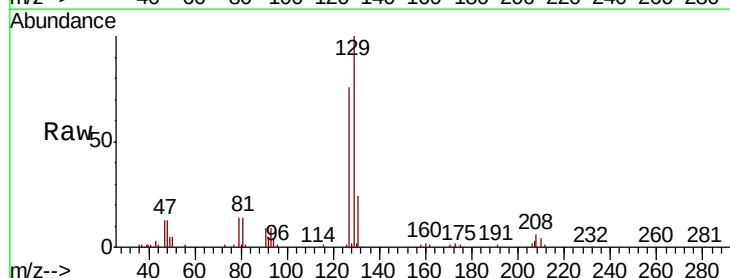
Manual Integrations
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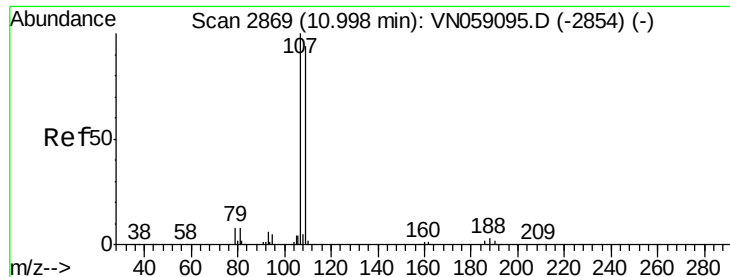
MMDadoda
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#60
Dibromochloromethane
Concen: 22.345 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion: 129 Resp: 96934
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





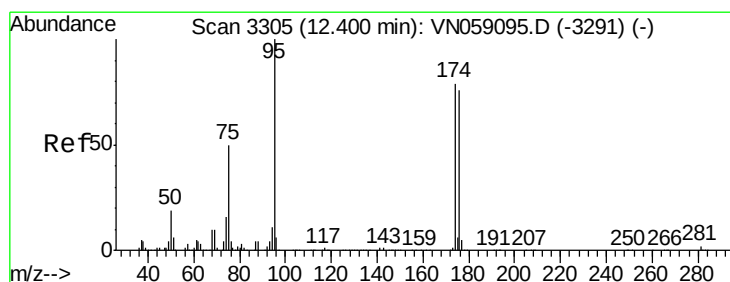
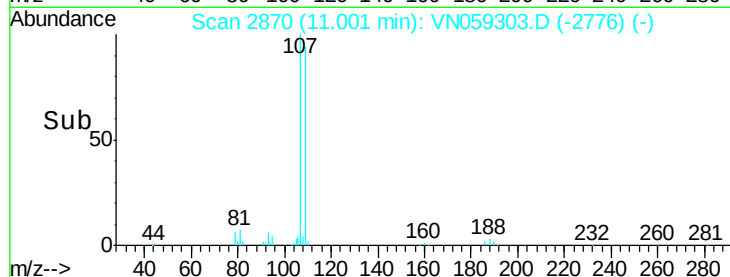
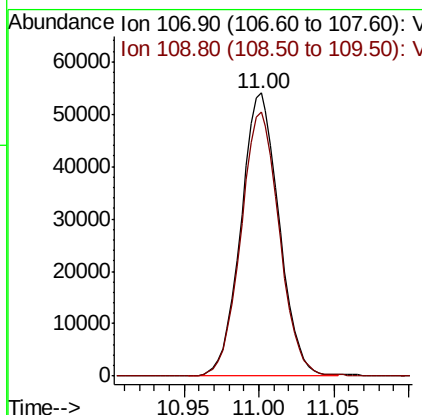
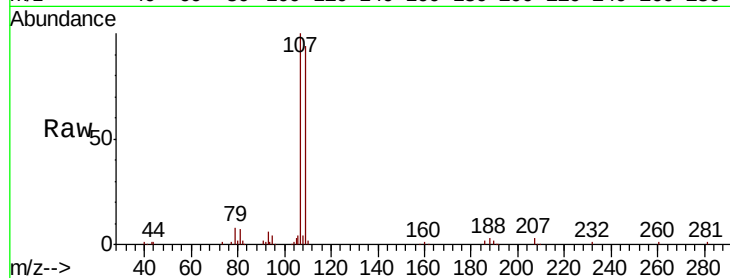
#61
 1,2-Dibromoethane
 Concen: 23.096 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.5	113.3

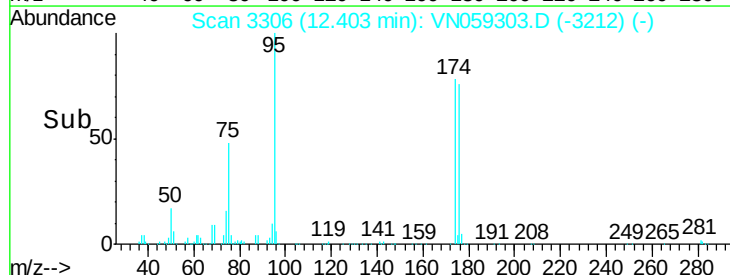
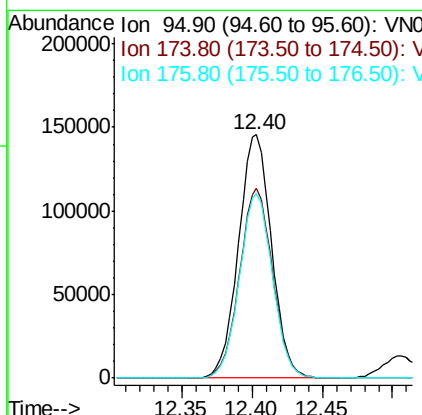
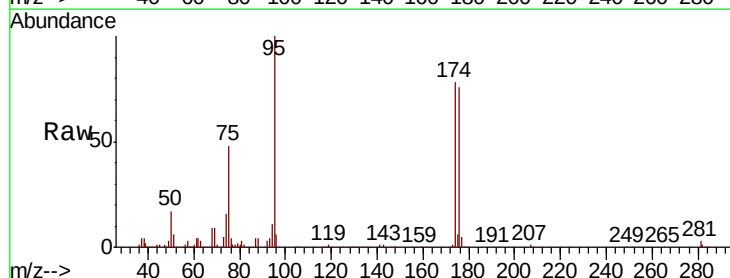
Manual Integrations
 APPROVED

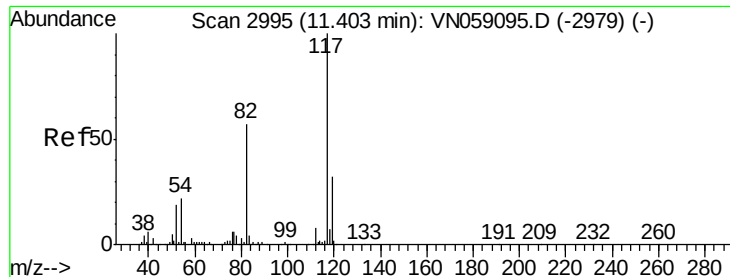
MMDadoda
 11/20/2019 1:37:24 PM



#62
 4-Bromofluorobenzene
 Concen: 46.967 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	158.2
176	76.0	0.0	151.8





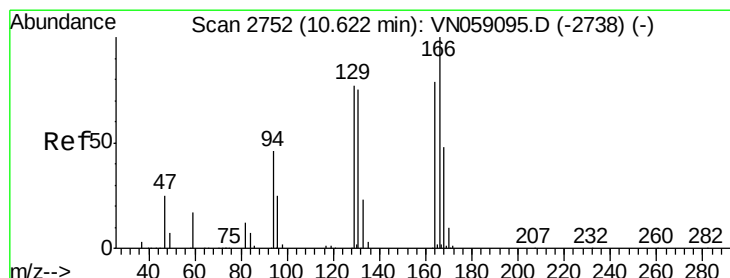
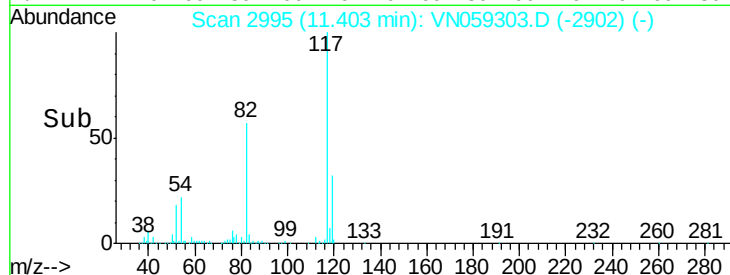
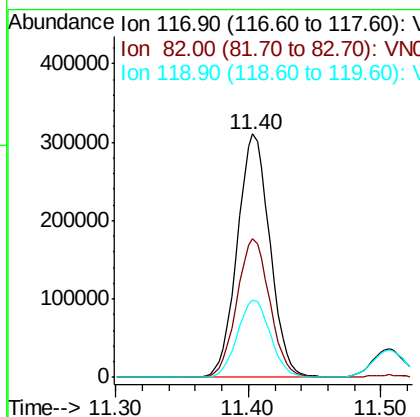
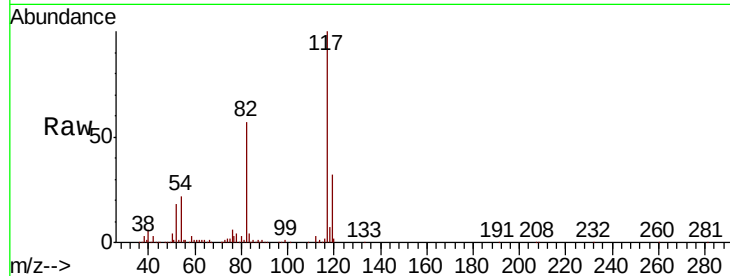
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.8	68.8
119	31.9	25.8	38.6

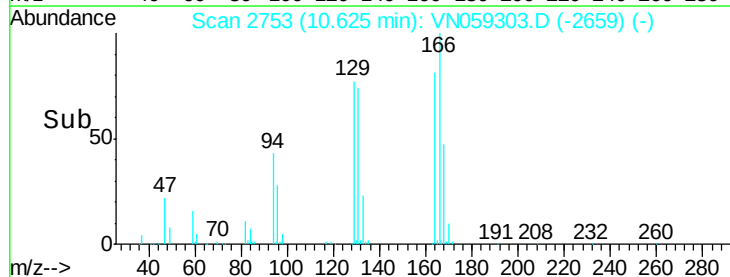
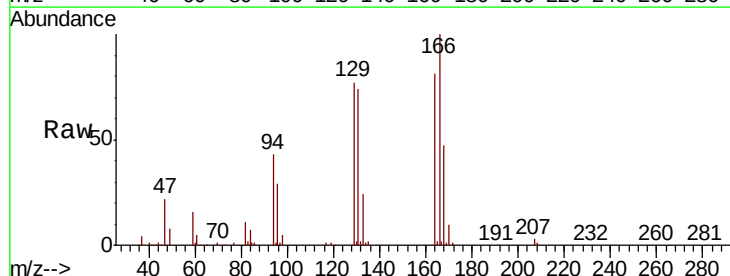
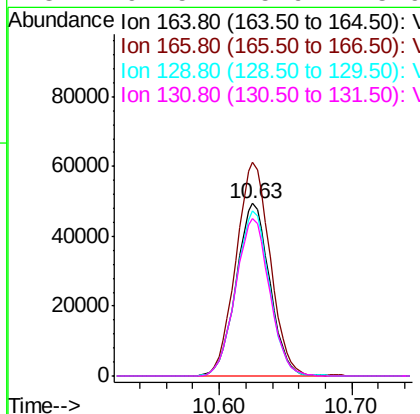
Manual Integrations
APPROVED

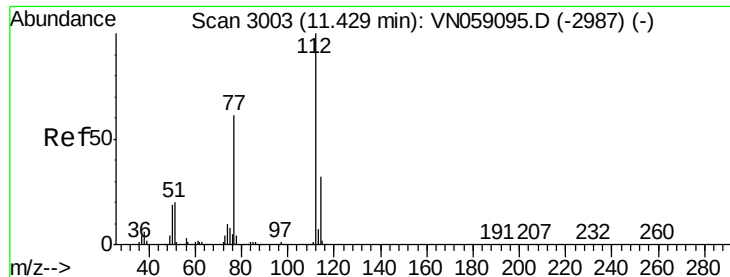
MMDadoda
11/20/2019 1:37:24 PM



#64
Tetrachloroethene
Concen: 24.045 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	101.5	152.3
129	95.4	78.3	117.5
131	91.5	75.9	113.9





#65

Chlorobenzene

Concen: 23.821 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion:112 Resp: 246468

Ion Ratio Lower Upper

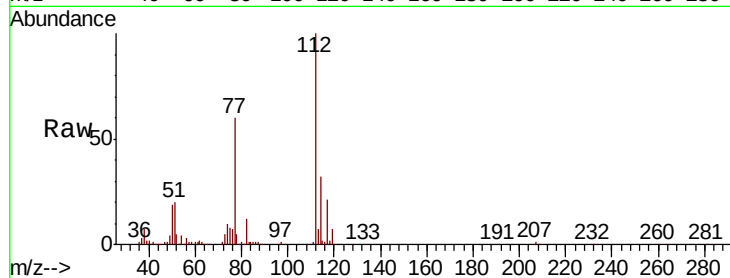
112 100

114 31.7 25.2 37.8

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

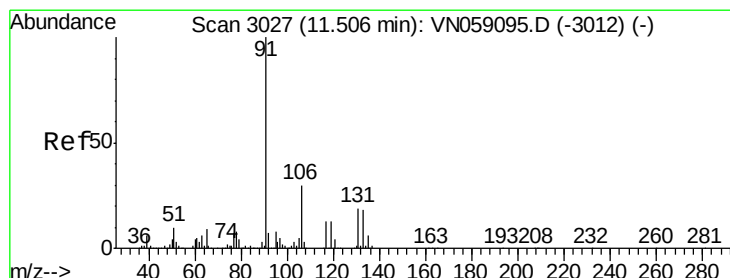
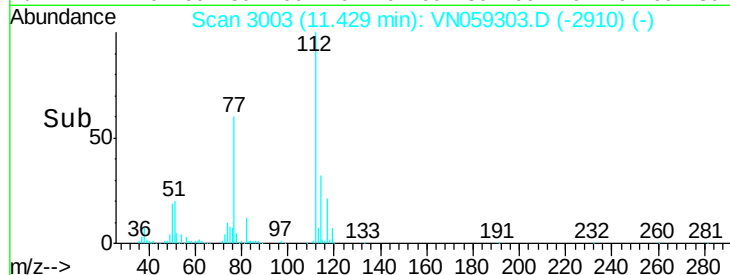
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.234 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

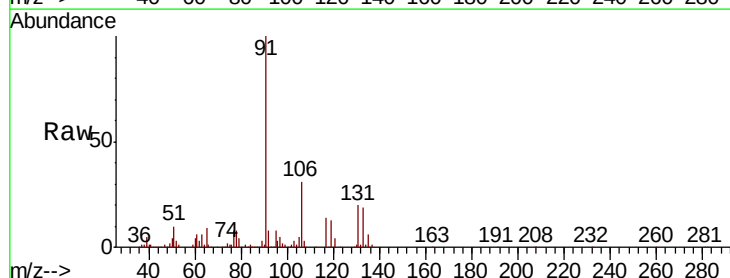
Tgt Ion:131 Resp: 90178

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

119 67.3 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

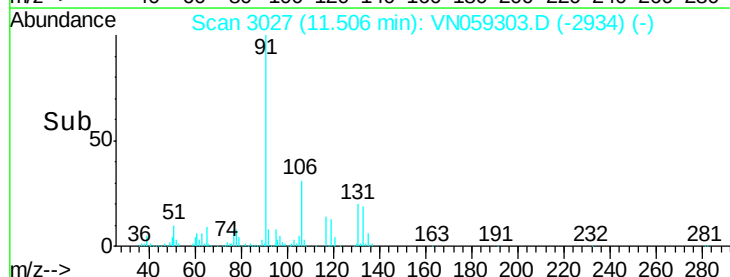
60000

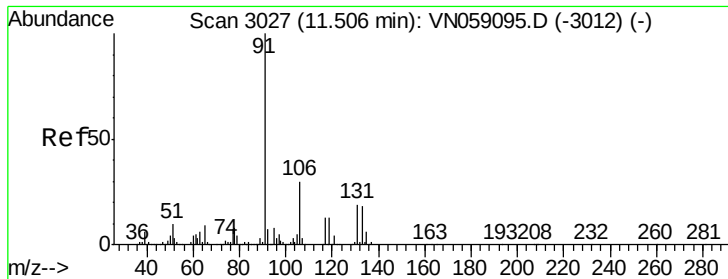
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 24.294 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 91 Resp: 445977

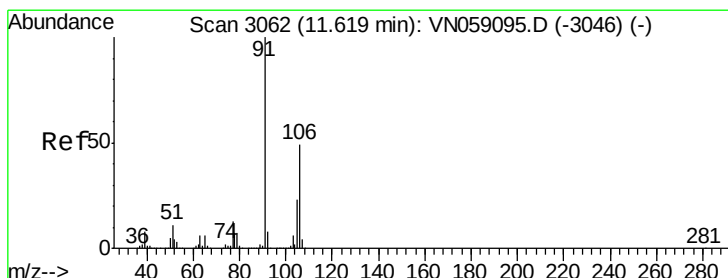
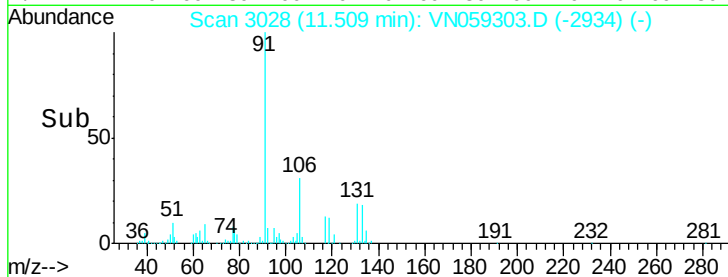
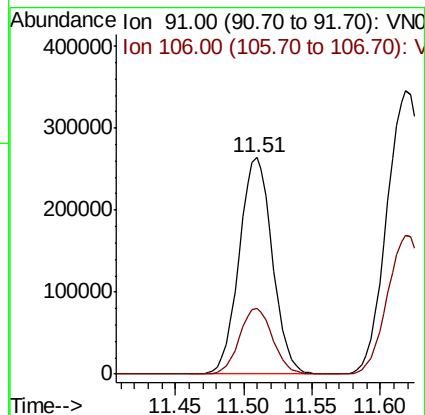
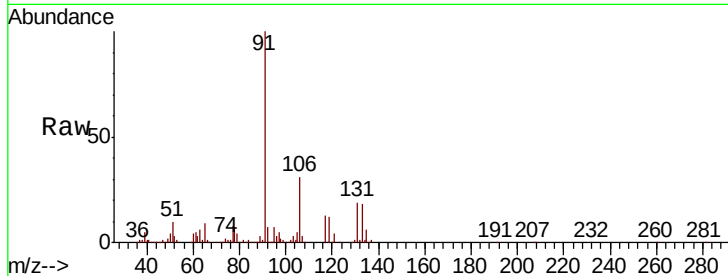
Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 47.952 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059303.D

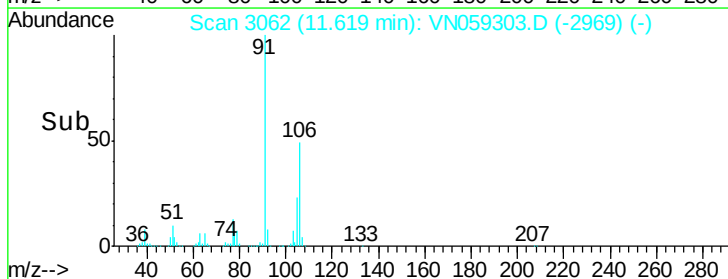
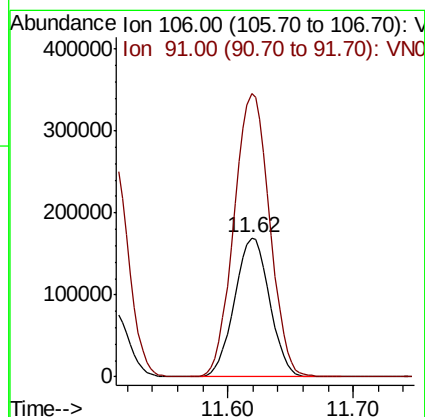
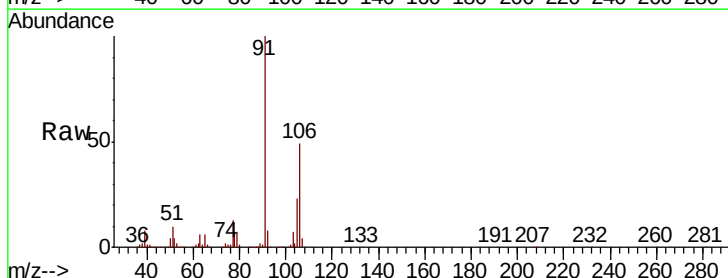
Acq: 19 Nov 2019 13:29

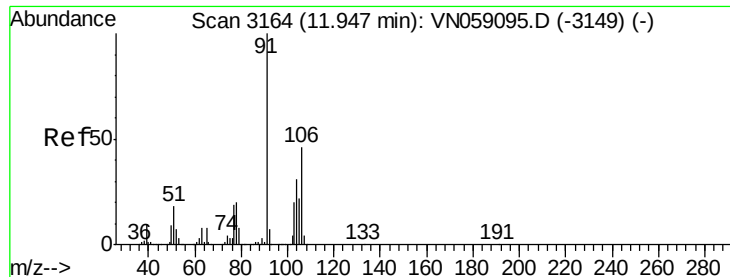
Tgt Ion: 106 Resp: 329747

Ion Ratio Lower Upper

106 100

91 206.2 164.7 247.1





#69

o-Xylene

Concen: 23.695 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion:106 Resp: 157463

Ion Ratio Lower Upper

106 100

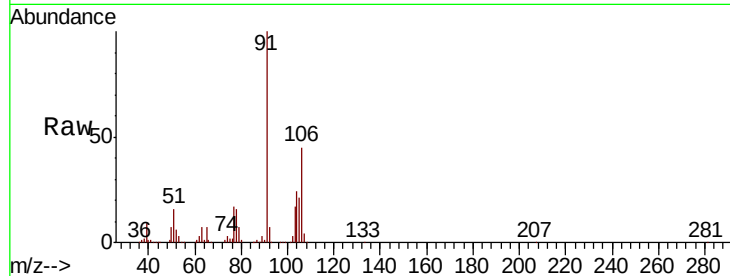
91 217.8 110.1 330.3

Manual Integrations

APPROVED

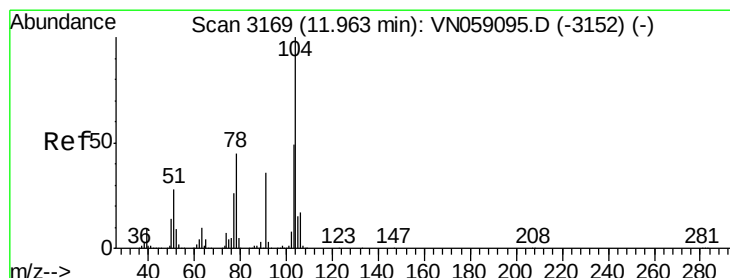
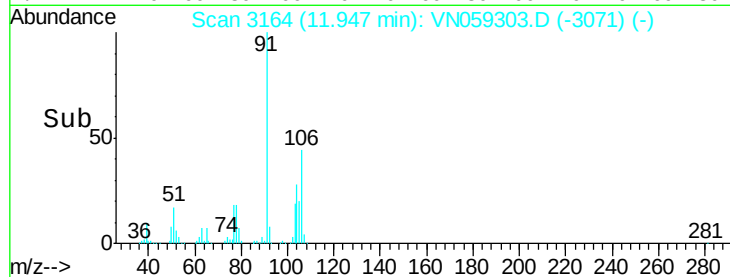
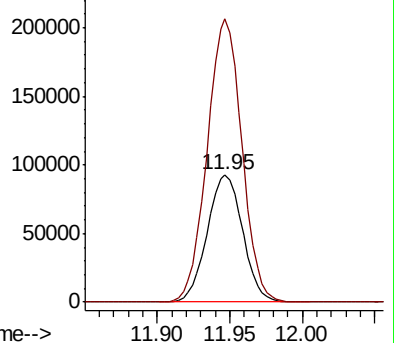
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 23.526 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

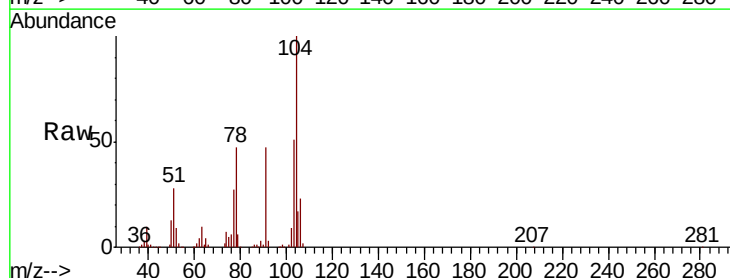
Tgt Ion:104 Resp: 245887

Ion Ratio Lower Upper

104 100

78 51.8 41.2 61.8

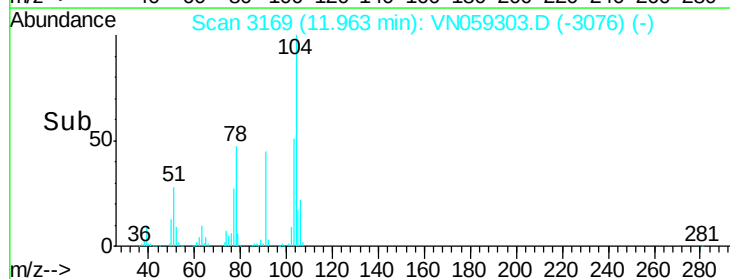
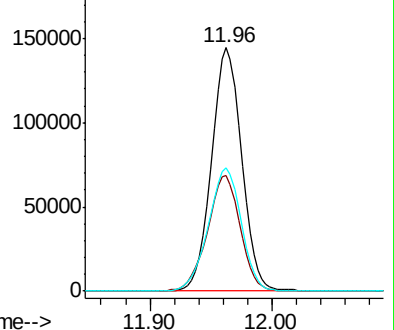
103 55.6 43.8 65.6

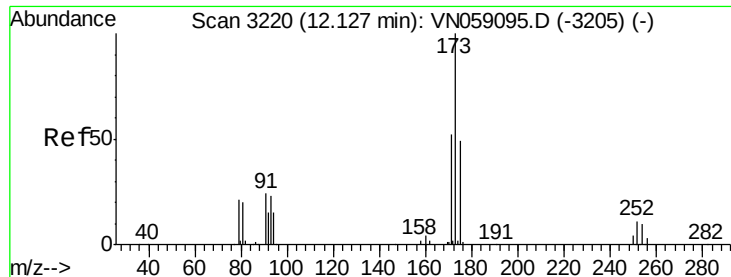


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.533 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

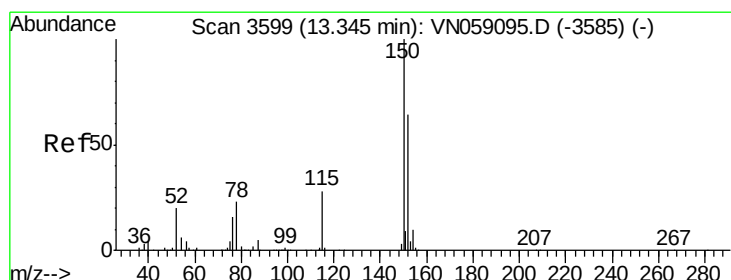
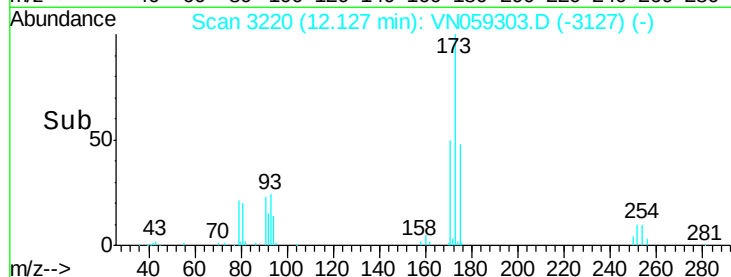
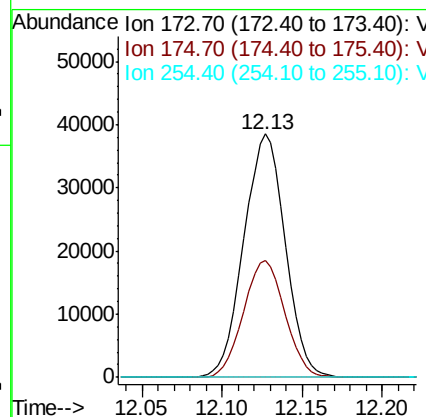
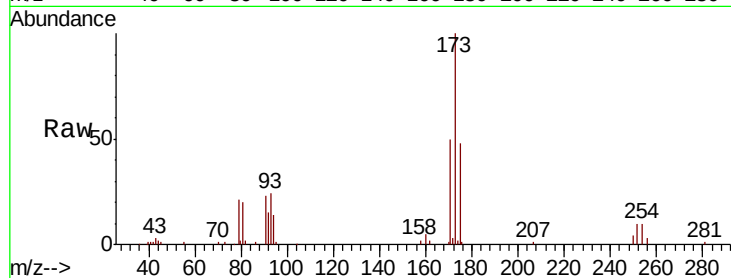
ClientSampleId :

VN1119WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

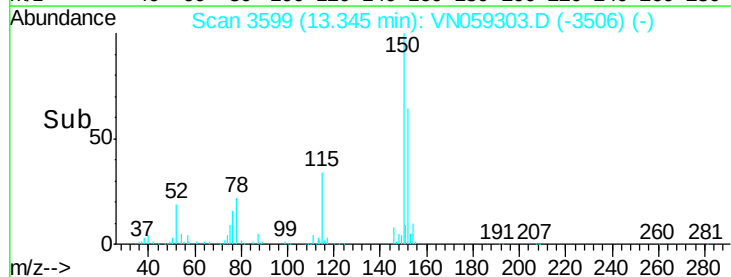
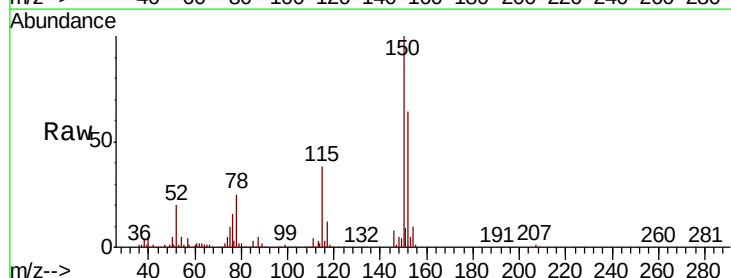
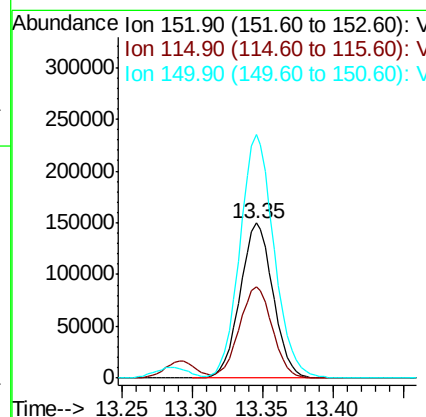
RT: 13.35 min Scan# 3599

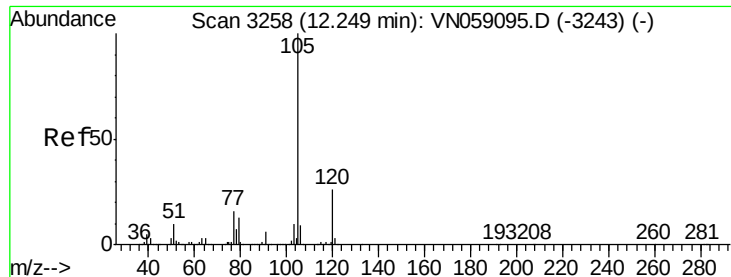
Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	163.0	0.0	345.8





#73

Isopropylbenzene

Concen: 23.850 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 105 Resp: 424367

Ion Ratio Lower Upper

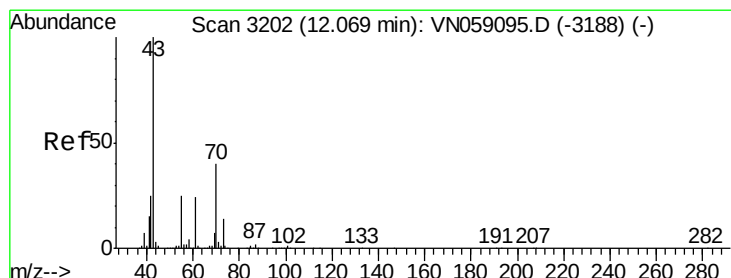
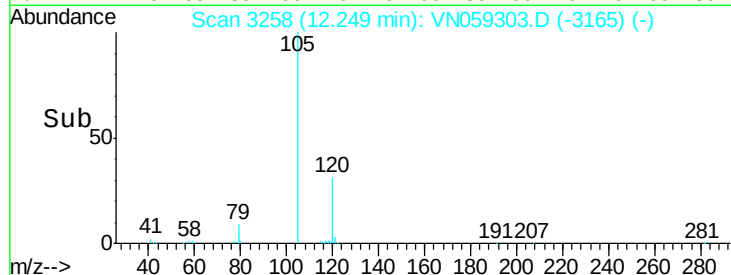
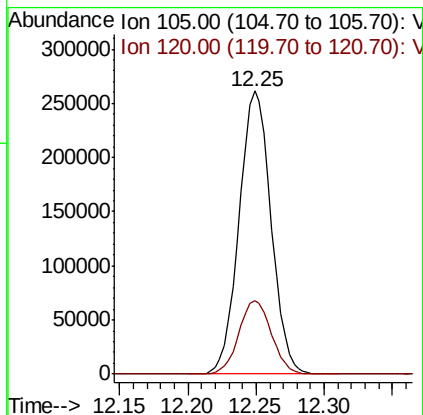
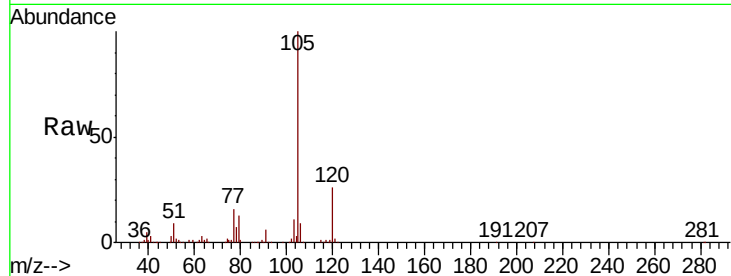
105 100

120 26.5 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.875 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion: 43 Resp: 164926

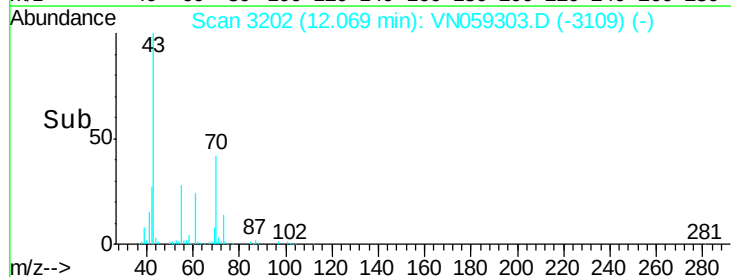
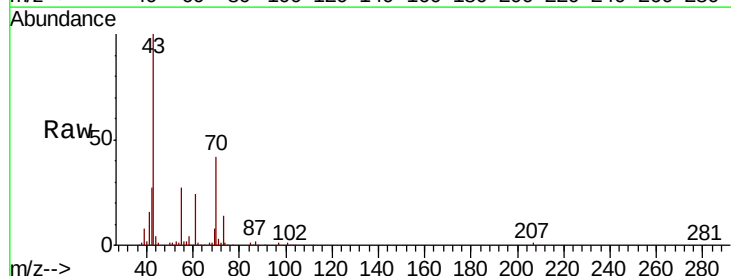
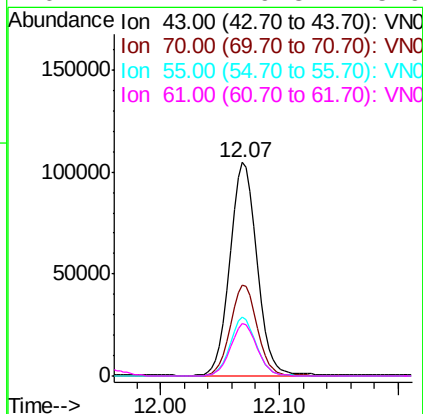
Ion Ratio Lower Upper

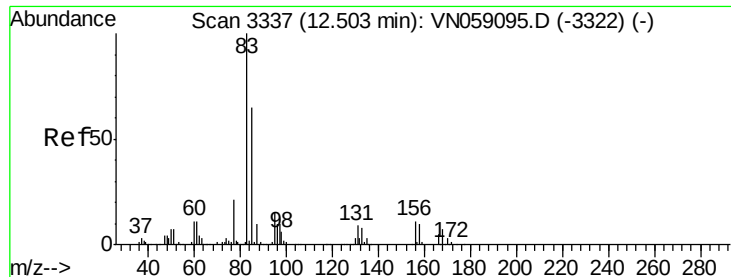
43 100

70 42.5 32.2 48.4

55 26.5 20.4 30.6

61 24.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.011 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 83 Resp: 139433
Ion Ratio Lower Upper

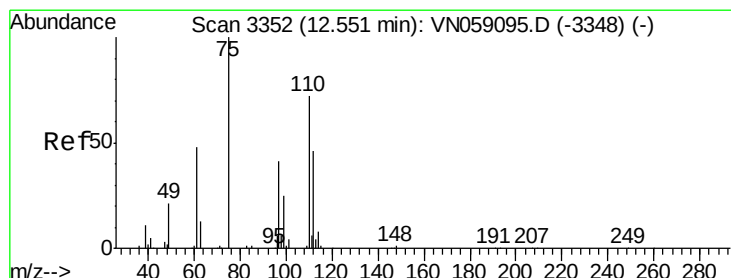
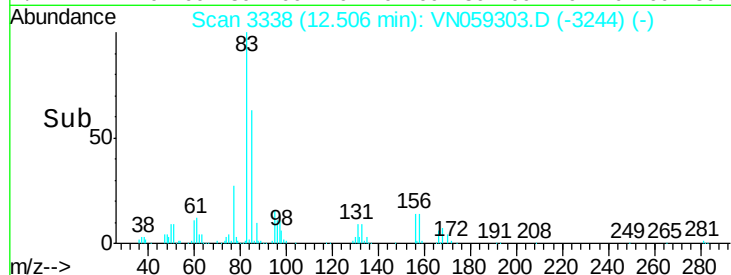
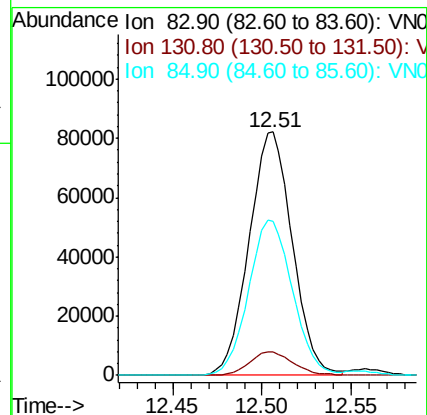
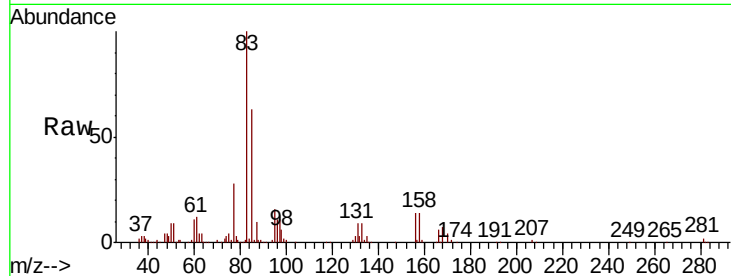
83 100

131 9.7 4.9 14.6

85 64.7 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.815 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

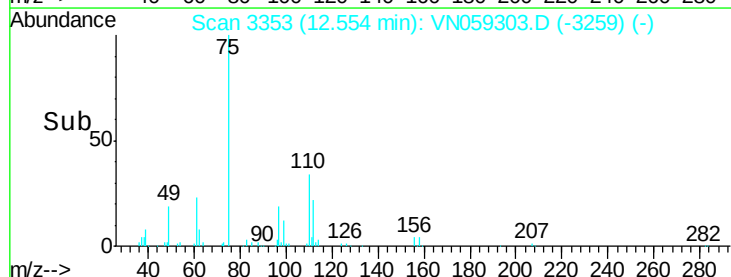
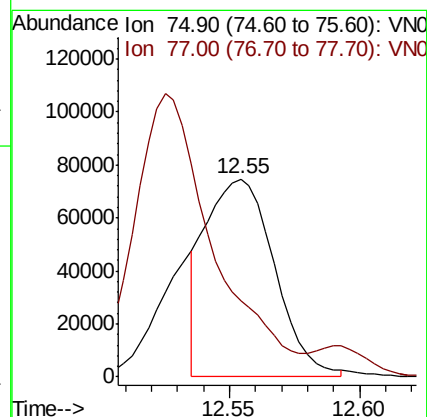
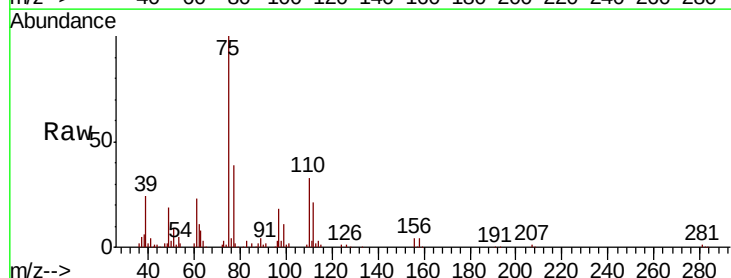
Lab File: VN059303.D

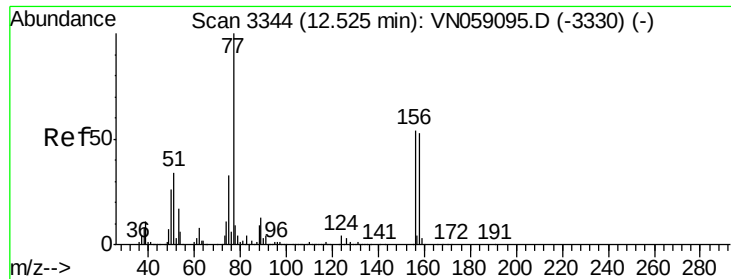
Acq: 19 Nov 2019 13:29

Tgt Ion: 75 Resp: 138194
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 22.828 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

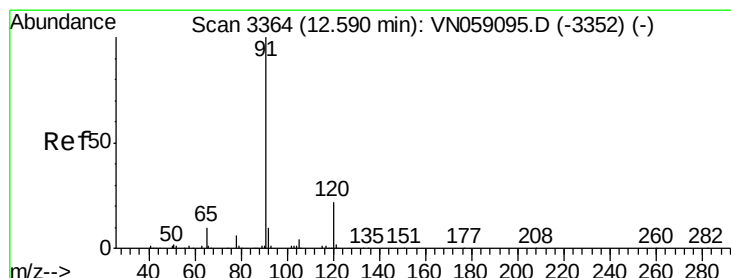
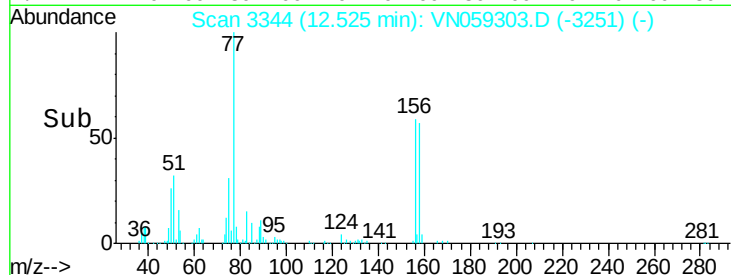
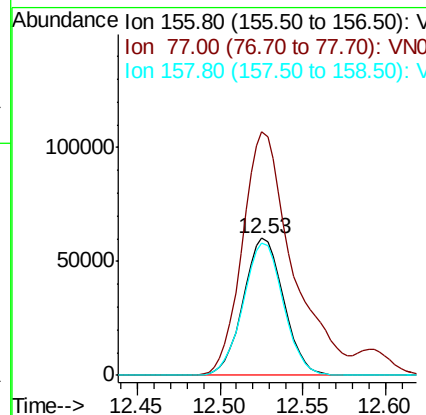
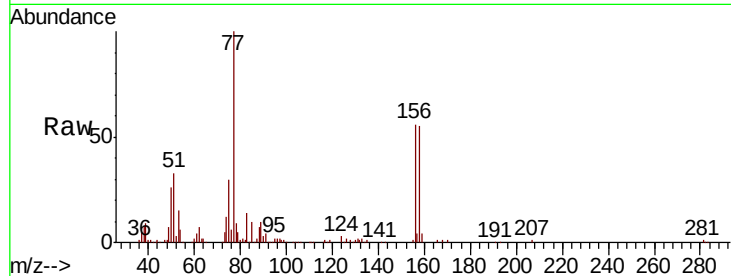
ClientSampleId :

VN1119WBS02

Tot Ion:	156	Resp:	102050
Ion Ratio	Lower	Upper	
156	100		
77	220.2	112.8	338.3
158	96.5	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 23.875 ug/l

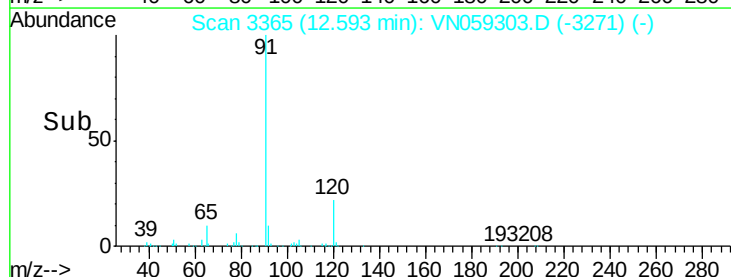
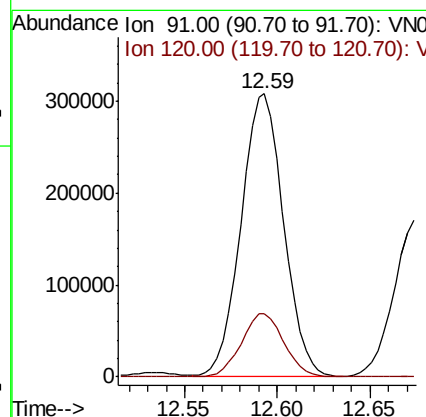
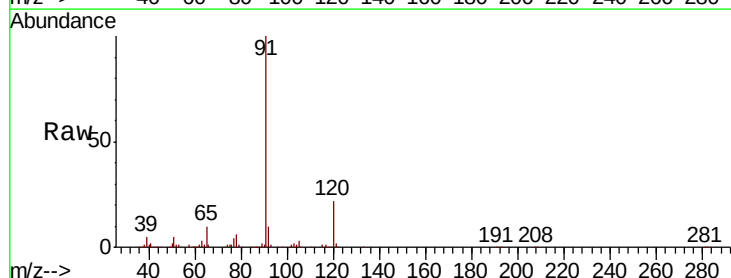
RT: 12.59 min Scan# 3365

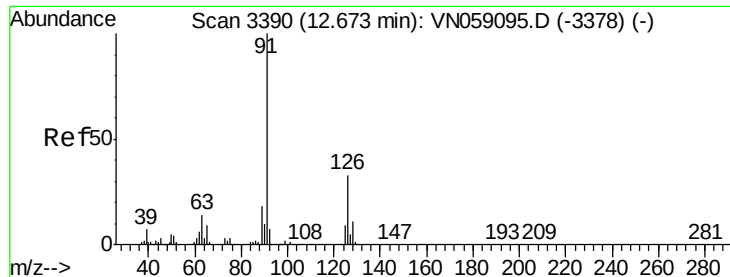
Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion:	91	Resp:	486395
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 22.793 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 91 Resp: 288062

Ion Ratio Lower Upper

91 100

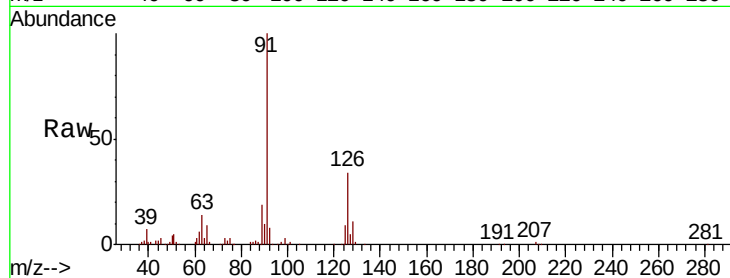
126 33.5 16.7 50.1

Manual Integrations

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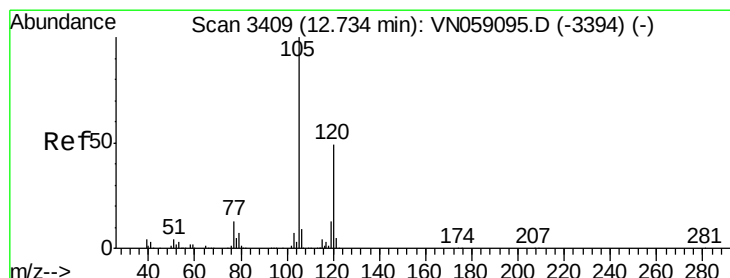
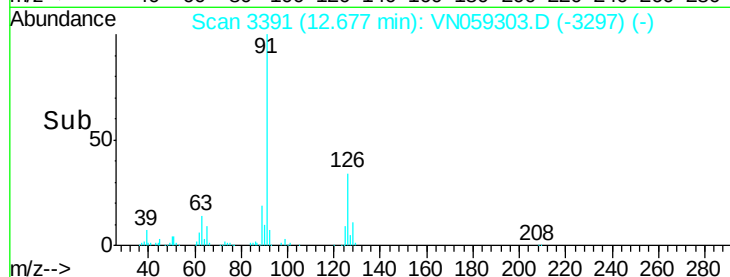
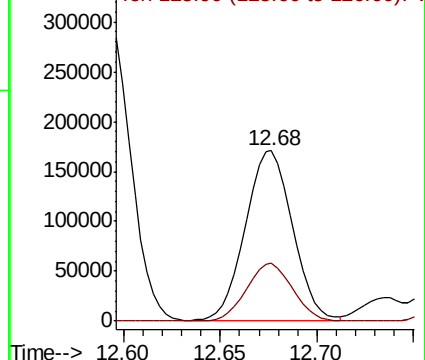
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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 23.709 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059303.D

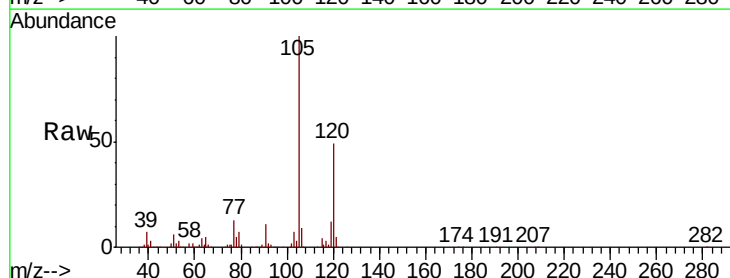
Acq: 19 Nov 2019 13:29

Tgt Ion:105 Resp: 357456

Ion Ratio Lower Upper

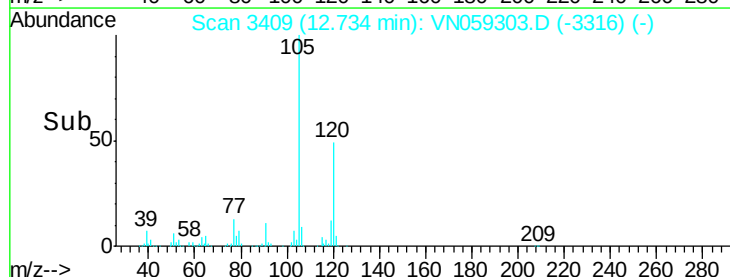
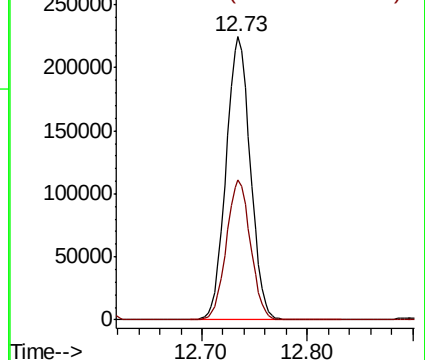
105 100

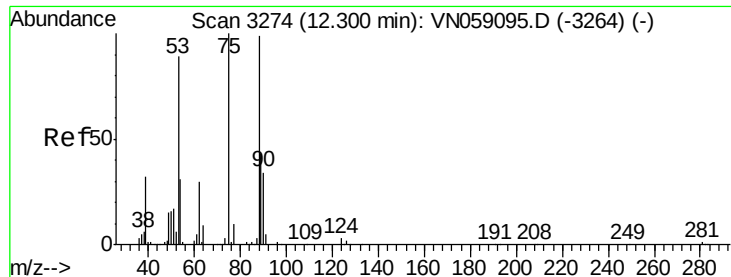
120 49.1 24.0 72.0



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

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





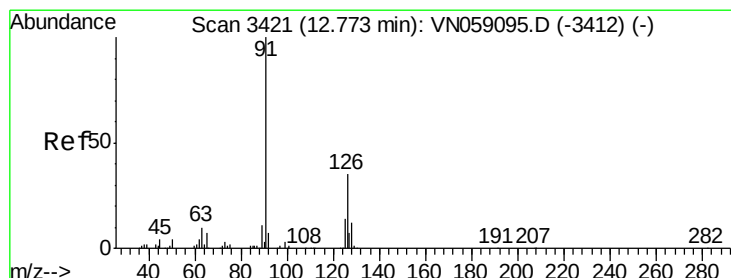
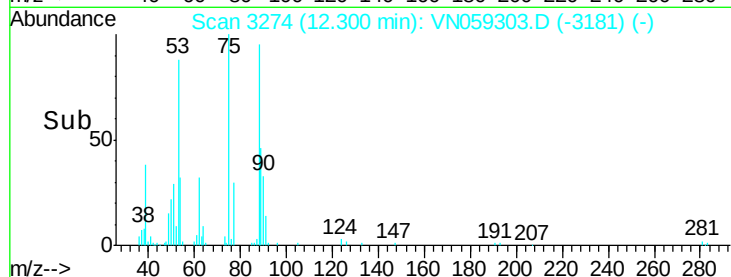
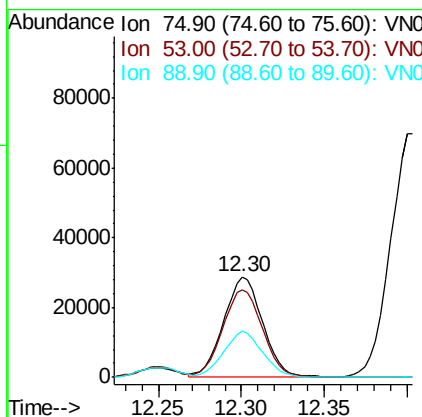
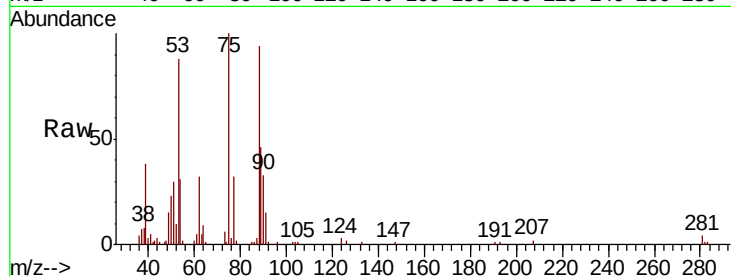
#81
trans-1,4-Dichloro-2-butene
Concen: 22.424 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	72.2	108.2
89	45.5	35.8	53.8

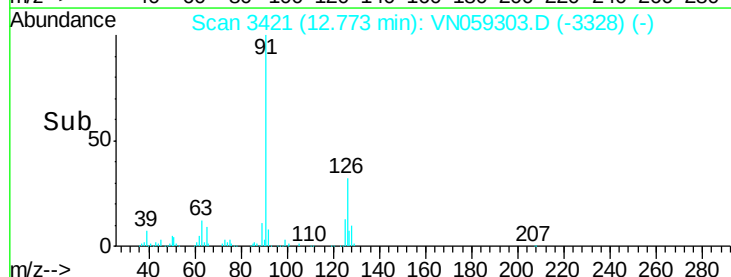
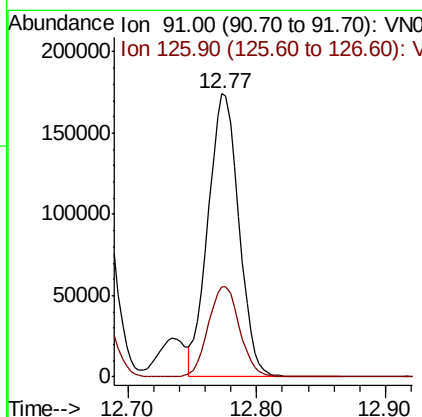
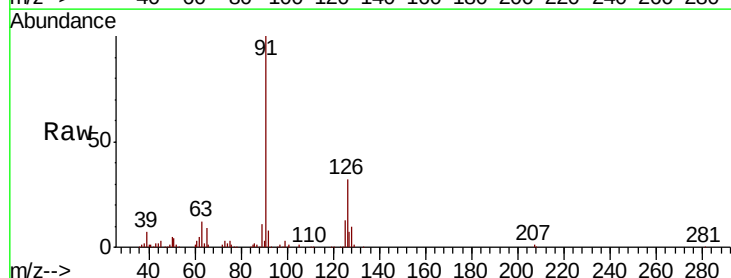
Manual Integrations
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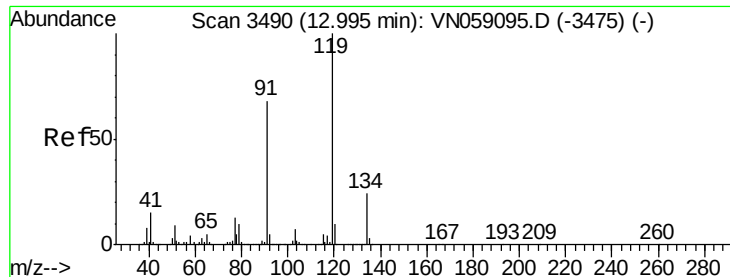
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#82
4-Chlorotoluene
Concen: 22.708 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.2





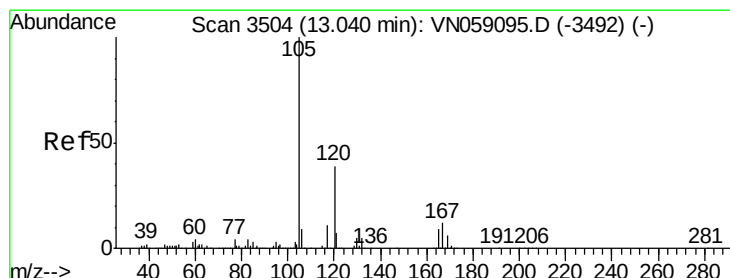
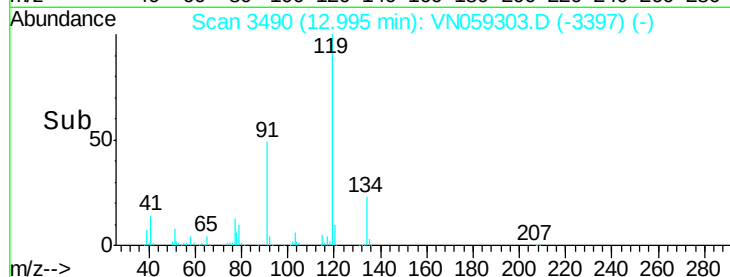
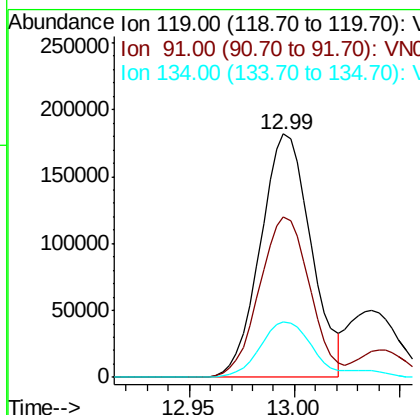
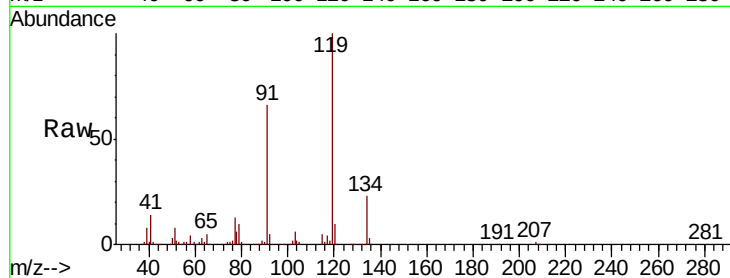
#83
 tert-Butylbenzene
 Concen: 23.339 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.2	99.6
134	23.7	12.7	38.1

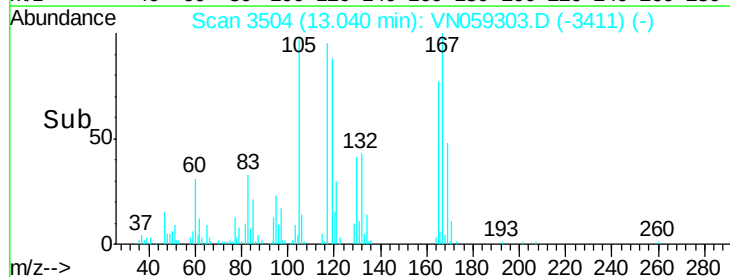
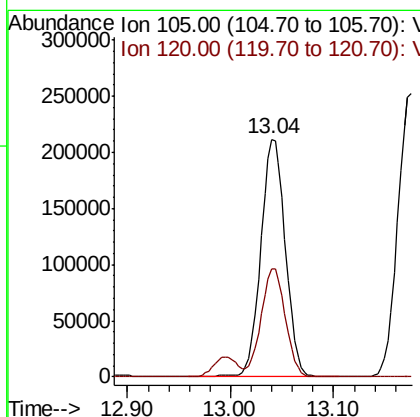
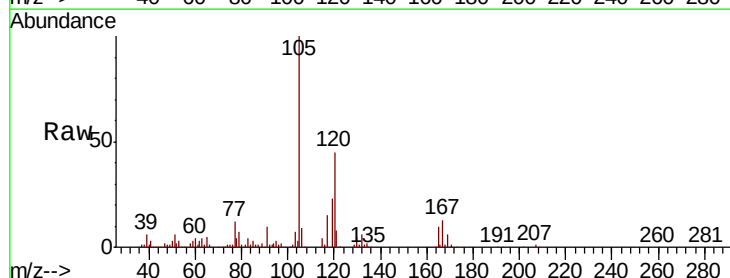
Manual Integrations
 APPROVED

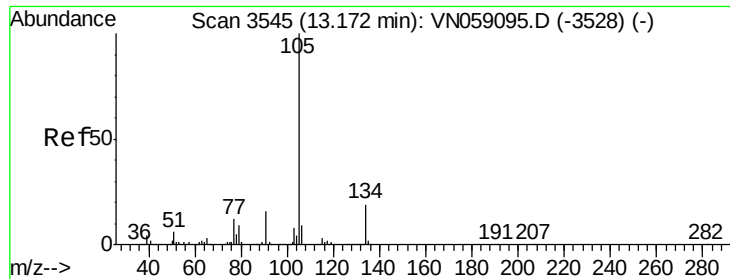
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.903 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 23.767 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion:105 Resp: 402456

Ion Ratio Lower Upper

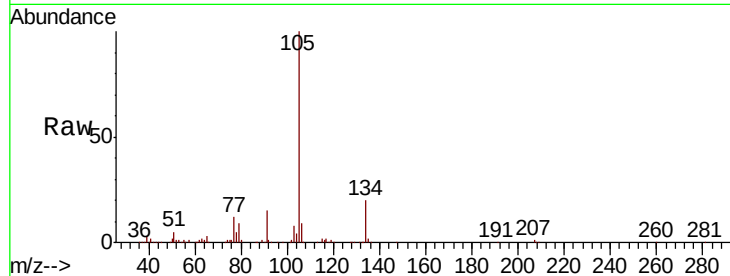
105 100

134 19.5 9.7 29.1

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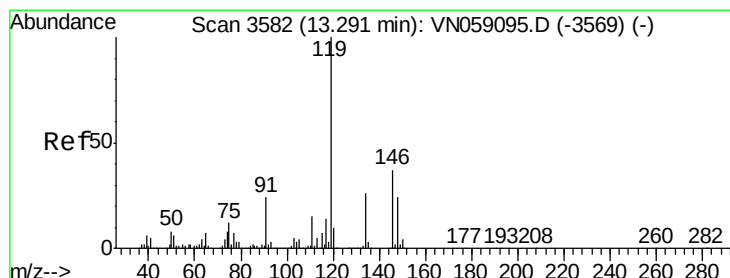
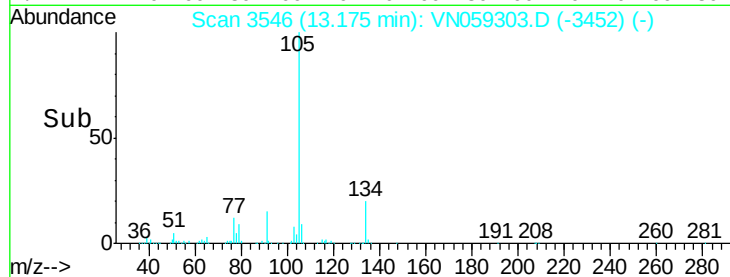
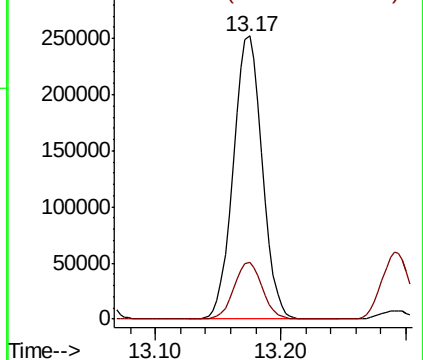
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.083 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

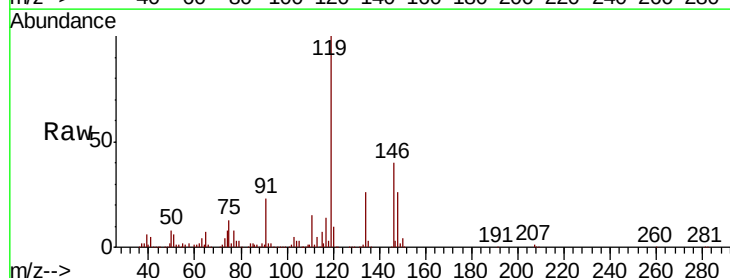
Tgt Ion:119 Resp: 360078

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

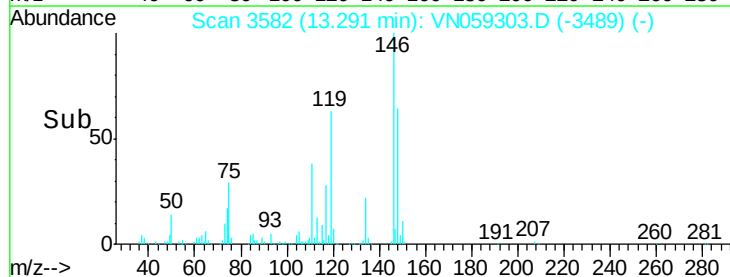
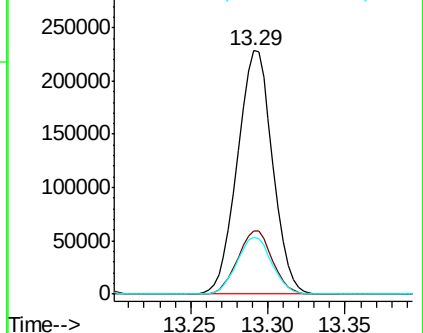
91 23.0 11.7 35.1

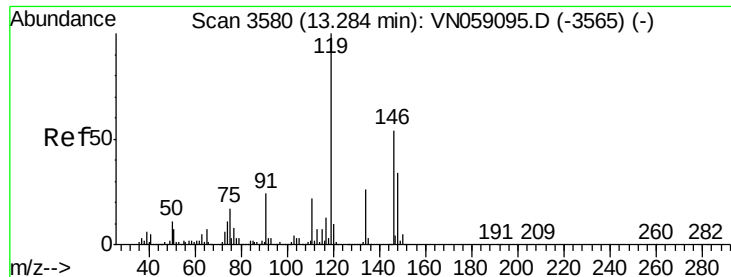


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.780 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059303.D

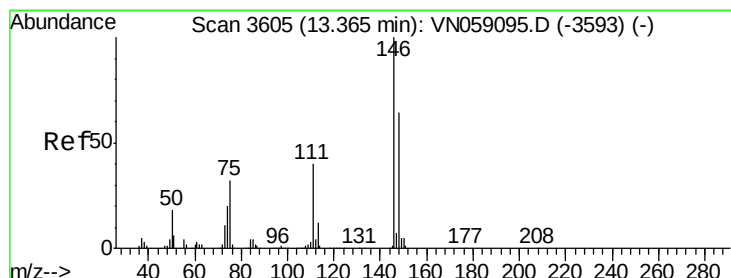
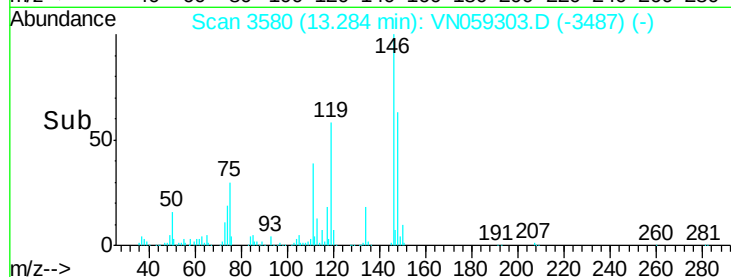
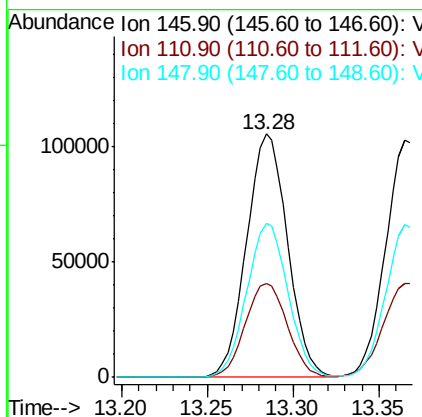
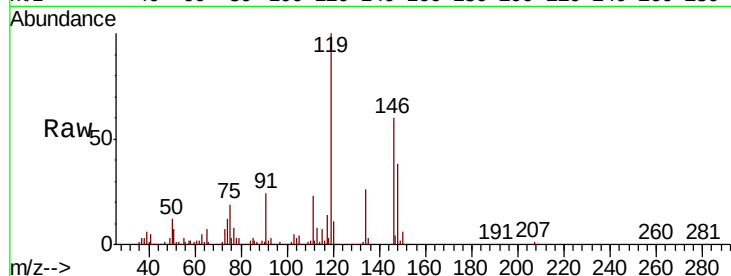
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	174380		
111	39.5	20.4	61.3	
148	63.8	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.212 ug/l

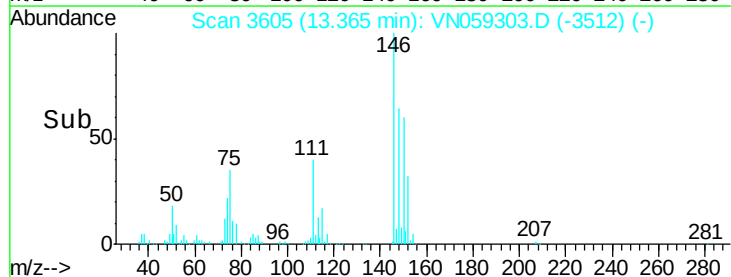
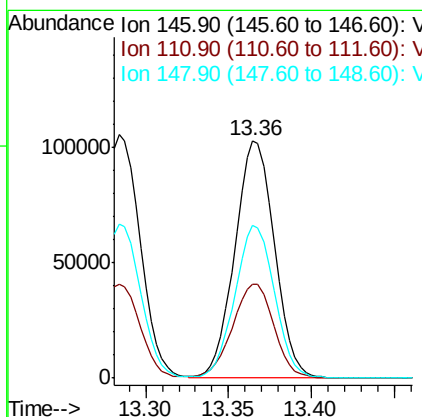
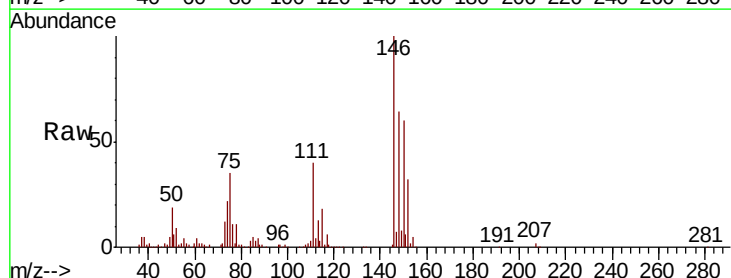
RT: 13.36 min Scan# 3605

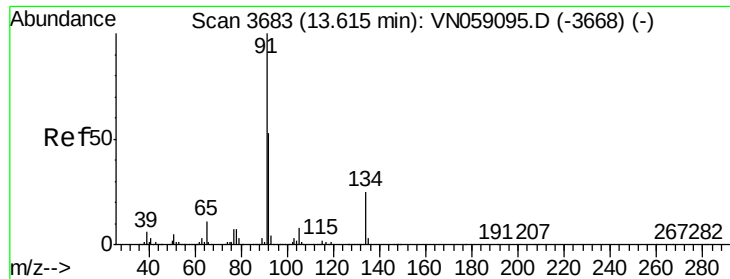
Delta R.T. -0.00 min

Lab File: VN059303.D

Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	170127		
111	41.4	20.3	60.9	
148	64.2	31.9	95.7	





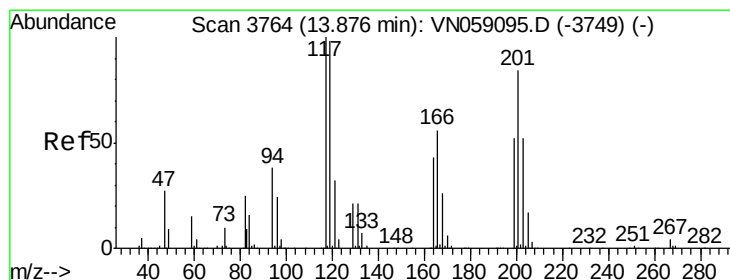
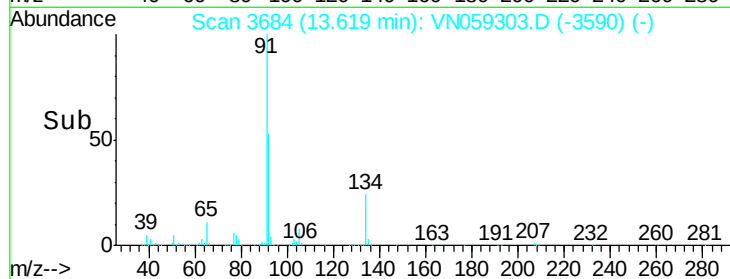
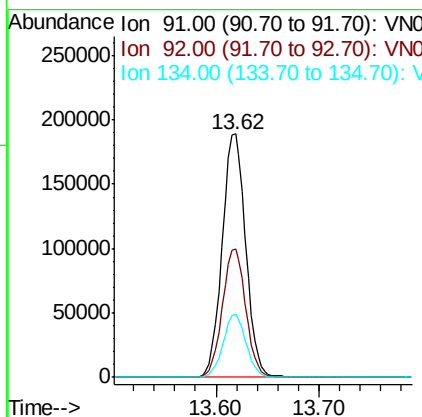
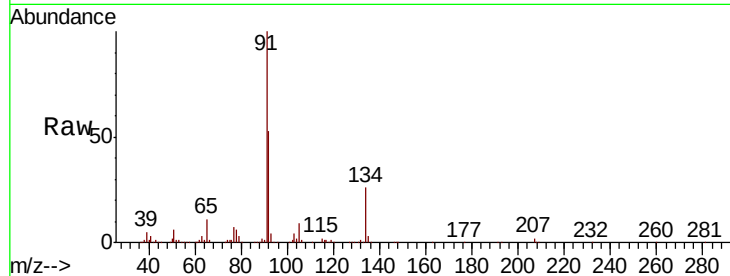
#89
n-Butylbenzene
Concen: 22.979 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.3
134	25.3	12.6	37.8

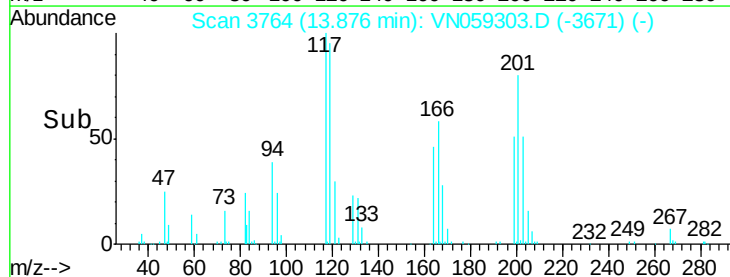
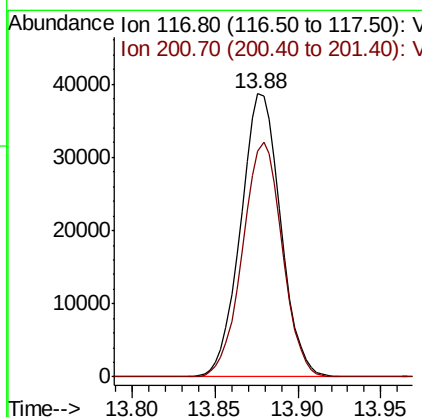
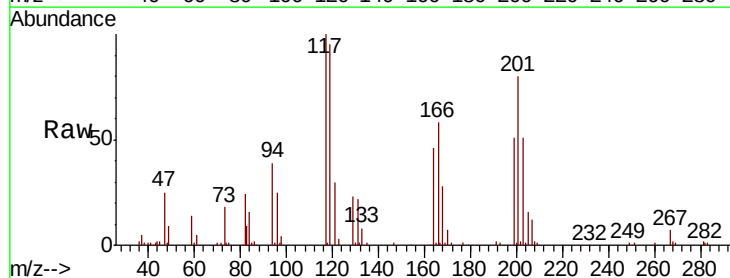
Manual Integrations
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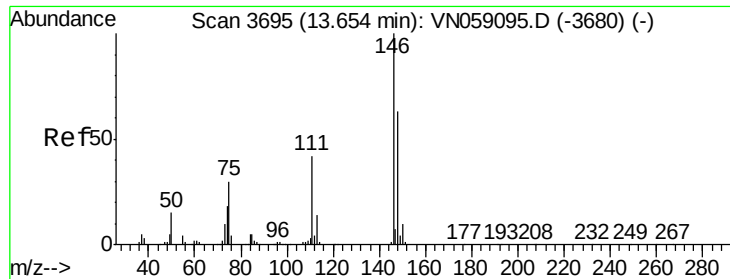
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#90
Hexachloroethane
Concen: 21.664 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.8	125.3





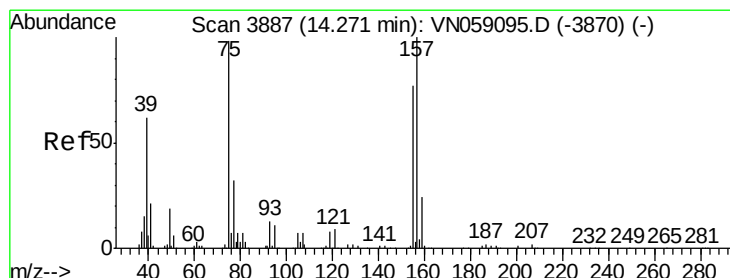
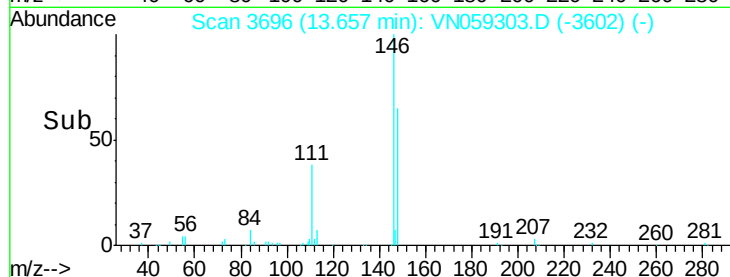
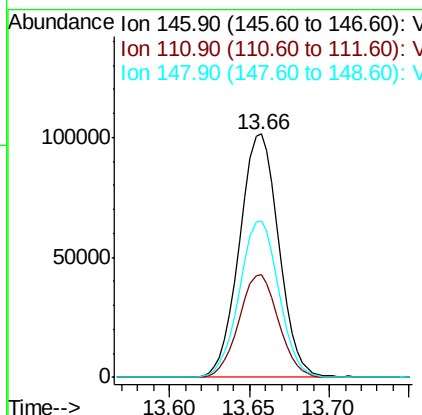
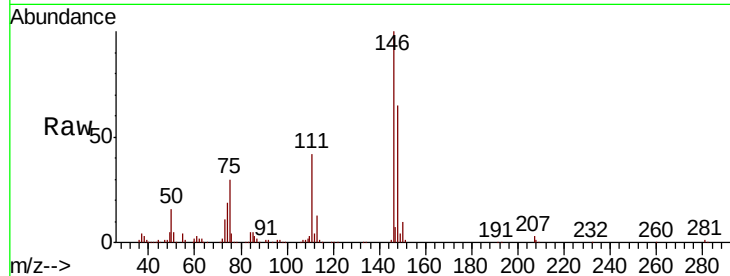
#91
 1,2-Dichlorobenzene
 Concen: 22.588 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.2	63.6
148	64.6	31.6	94.7

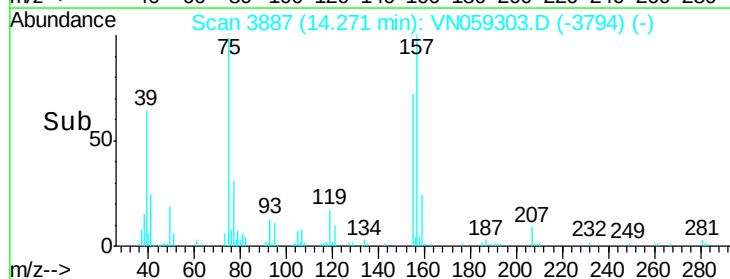
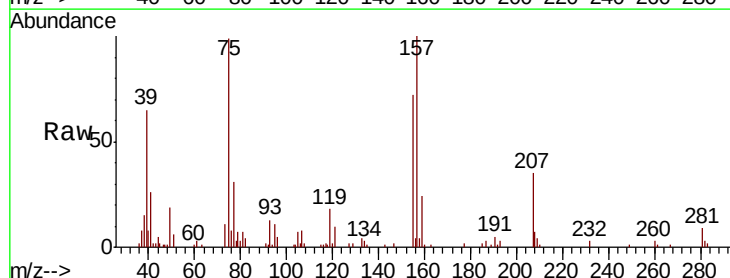
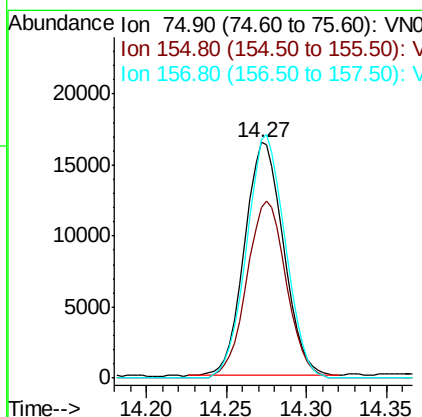
Manual Integrations
 APPROVED

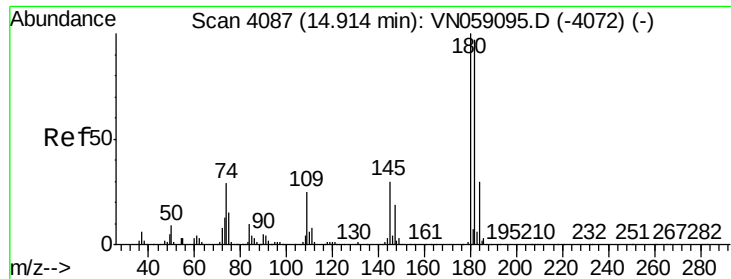
MMDadoda
 11/20/2019 1:37:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.654 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	40.2	120.6
157	103.2	51.8	155.5





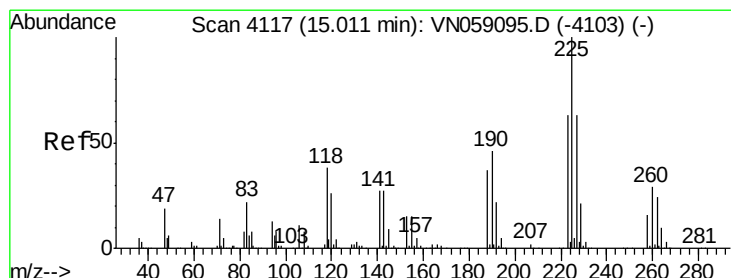
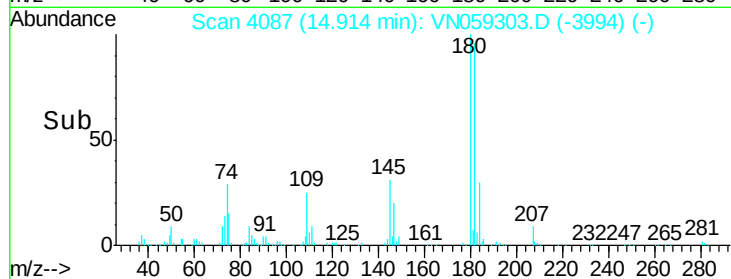
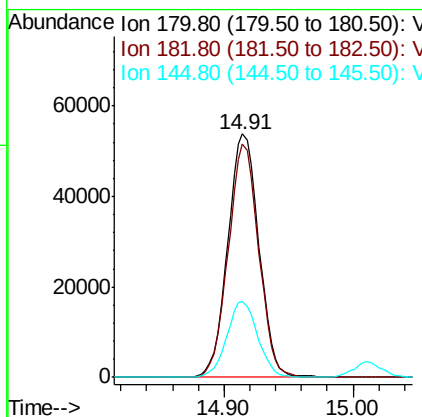
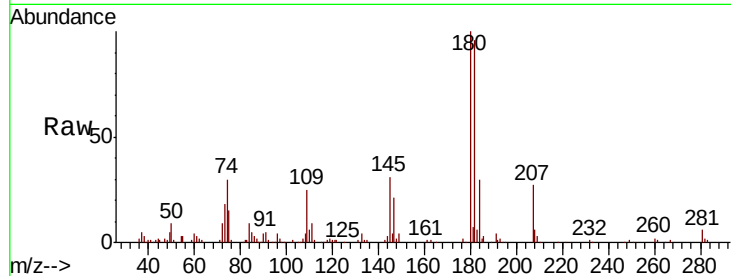
#93
 1,2,4-Trichlorobenzene
 Concen: 21.512 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.6	48.1	144.3	
145	31.2	15.1	45.3	

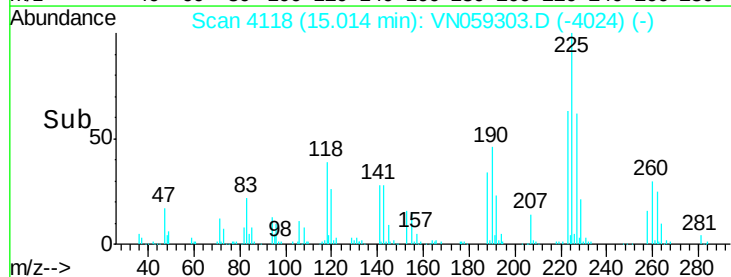
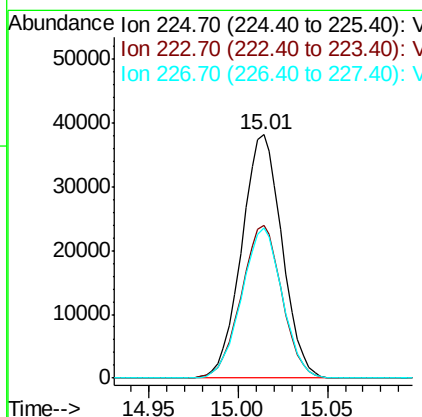
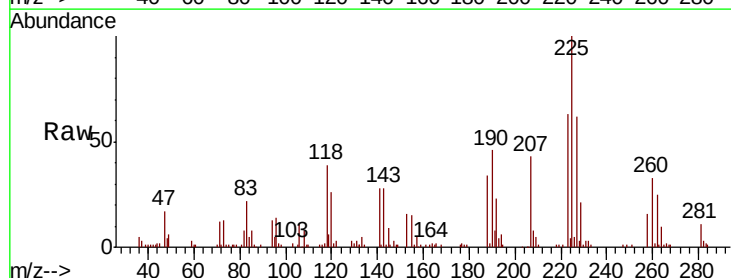
Manual Integrations
 APPROVED

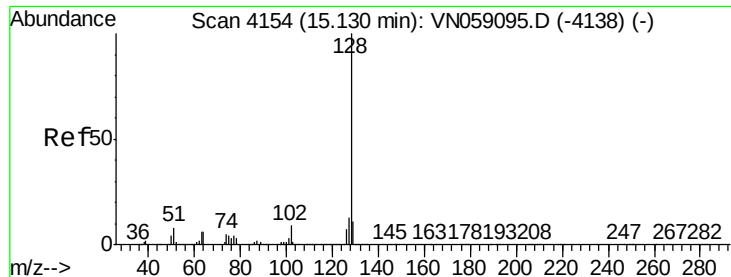
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 23.281 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059303.D
 Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.3	93.9	
227	62.1	31.5	94.5	





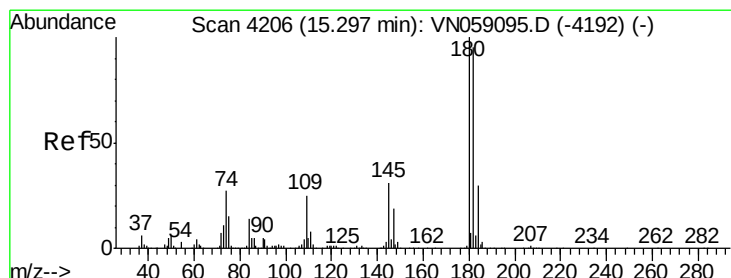
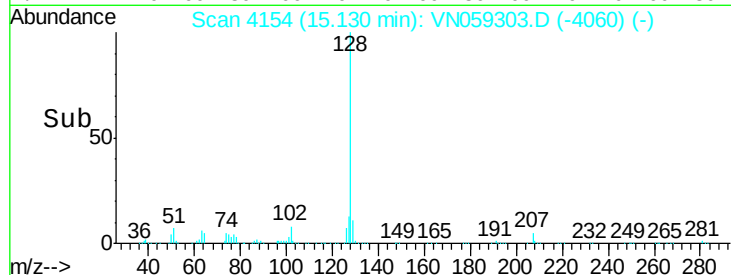
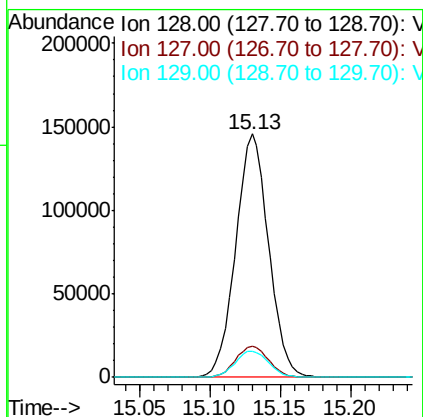
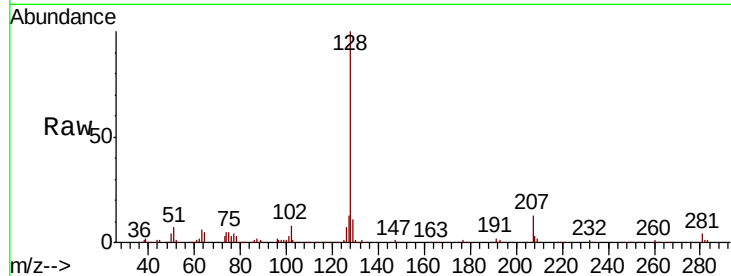
#95
Naphthalene
Concen: 20.713 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:37:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.966 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059303.D
Acq: 19 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.3	141.8
145	33.8	15.8	47.3

