

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111319\
 Data File : VN059208.D
 Acq On : 13 Nov 2019 10:06
 Operator : JC/SP
 Sample : VN1113WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2019 10:00:11 AM

Quant Time: Nov 14 08:04:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	398761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	623031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	572761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	242270	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.56	113	190272	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.08	98	716184	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	255936	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76208	18.968	ug/l	98
3) Chloromethane	2.04	50	101623	18.608	ug/l	99
4) Vinyl Chloride	2.17	62	103144	19.480	ug/l	100
5) Bromomethane	2.55	94	60636	19.900	ug/l	100
6) Chloroethane	2.68	64	61888	19.759	ug/l	96
7) Trichlorofluoromethane	3.00	101	130595	20.620	ug/l	98
8) Diethyl Ether	3.39	74	51004	19.820	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76710	20.088	ug/l	100
10) Methyl Iodide	3.93	142	89473	18.929	ug/l	99
11) Tert butyl alcohol	4.75	59	91522	97.971	ug/l	99
12) 1,1-Dichloroethene	3.71	96	73027	19.632	ug/l	99
13) Acrolein	3.58	56	33420	69.388	ug/l	92
14) Allyl chloride	4.30	41	146831	19.216	ug/l	100
15) Acrylonitrile	4.95	53	238057	102.397	ug/l	99
16) Acetone	3.79	43	275902	108.238	ug/l	100
17) Carbon Disulfide	4.03	76	201164	17.421	ug/l	98
18) Methyl Acetate	4.30	43	127887	21.137	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	262833	20.523	ug/l	100
20) Methylene Chloride	4.52	84	88087	19.836	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	78573	19.678	ug/l	95
22) Diisopropyl ether	5.92	45	296086	20.515	ug/l	93
23) Vinyl Acetate	5.86	43	1207308	107.934	ug/l	100
24) 1,1-Dichloroethane	5.82	63	165153	20.488	ug/l	100
25) 2-Butanone	6.80	43	347027	103.298	ug/l	98
26) 2,2-Dichloropropane	6.80	77	141287	20.044	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	93463	20.176	ug/l	100
28) Bromochloromethane	7.17	49	49068	20.232	ug/l	98
29) Tetrahydrofuran	7.18	42	216052	101.214	ug/l	99
30) Chloroform	7.35	83	160026	20.695	ug/l	97
31) Cyclohexane	7.63	56	143020	18.741	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	134887	20.748	ug/l	99
36) 1,1-Dichloropropene	7.77	75	117726	20.216	ug/l	99
37) Ethyl Acetate	6.90	43	133936	20.674	ug/l	99
38) Carbon Tetrachloride	7.75	117	116982	20.182	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	130162	19.258	ug/l	99
40) Benzene	8.02	78	354553	20.218	ug/l	99
41) Methacrylonitrile	7.15	41	57531	20.422	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	126025	20.953	ug/l	100
43) Isopropyl Acetate	8.14	43	206410	19.985	ug/l	100
44) Trichloroethene	8.82	130	87888	20.388	ug/l	94
45) 1,2-Dichloropropane	9.10	63	96543	20.268	ug/l	95
46) Dibromomethane	9.19	93	60823	20.491	ug/l	99
47) Bromodichloromethane	9.39	83	123220	20.789	ug/l	98
48) Methyl methacrylate	9.18	41	90457	19.580	ug/l	98
49) 1,4-Dioxane	9.18	88	32368	394.244	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	654035	111.915	ug/l	98
52) Toluene	10.14	92	214167	20.376	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	138144	20.174	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	148978	20.225	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	86898	20.428	ug/l	98
56) Ethyl methacrylate	10.42	69	125097	18.844	ug/l	100
57) 1,3-Dichloropropane	10.70	76	153583	20.977	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	247201	104.419	ug/l	100
59) 2-Hexanone	10.74	43	481020	107.237	ug/l	98
60) Dibromochloromethane	10.89	129	92514	20.570	ug/l	98
61) 1,2-Dibromoethane	11.00	107	87345	20.283	ug/l	100
64) Tetrachloroethene	10.62	164	78142	20.064	ug/l	98
65) Chlorobenzene	11.43	112	224656	20.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	85637	20.446	ug/l	98
67) Ethyl Benzene	11.51	91	399012	20.142	ug/l	98
68) m/p-Xylenes	11.62	106	300045	40.434	ug/l	98
69) o-Xylene	11.94	106	142550	19.878	ug/l	97
70) Styrene	11.96	104	222253	19.706	ug/l	99
71) Bromoform	12.12	173	65822	20.204	ug/l #	99
73) Isopropylbenzene	12.25	105	384382	20.485	ug/l	100
74) N-amyl acetate	12.07	43	154047	19.374	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	135920	21.270	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	125675m	21.399	ug/l	
77) Bromobenzene	12.52	156	93015	19.730	ug/l	99
78) n-propylbenzene	12.59	91	441495	20.549	ug/l	100
79) 2-Chlorotoluene	12.67	91	266242	19.976	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	325400	20.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43734	19.669	ug/l	97
82) 4-Chlorotoluene	12.77	91	267865	20.038	ug/l	99
83) tert-Butylbenzene	12.99	119	275087	20.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	316018	20.543	ug/l	99
85) sec-Butylbenzene	13.17	105	367184	20.562	ug/l	100
86) p-Isopropyltoluene	13.29	119	324937	20.608	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	162664	20.149	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	161850	20.038	ug/l	100
89) n-Butylbenzene	13.62	91	268250	19.438	ug/l	100
90) Hexachloroethane	13.88	117	62706	19.805	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	159863	20.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25506	20.022	ug/l	97

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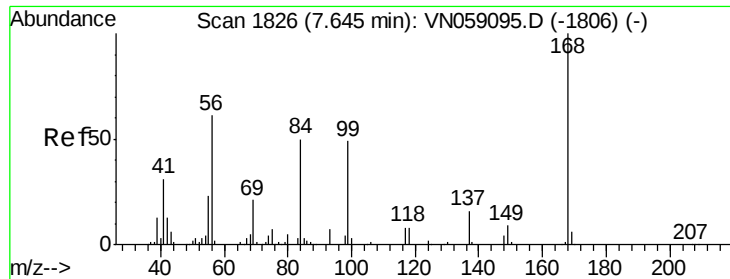
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80679	18.771	ug/l	100
94) Hexachlorobutadiene	15.01	225	55626	20.315	ug/l	97
95) Naphthalene	15.13	128	210617	17.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	85890	19.299	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion:168 Resp: 398761

Ion Ratio Lower Upper

168 100

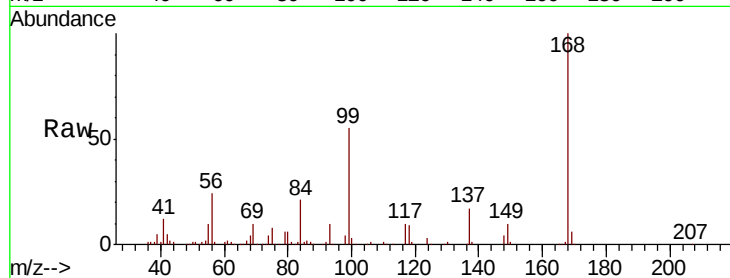
99 55.3 45.7 68.5

Manual Integrations

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11/14/2019 10:00:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

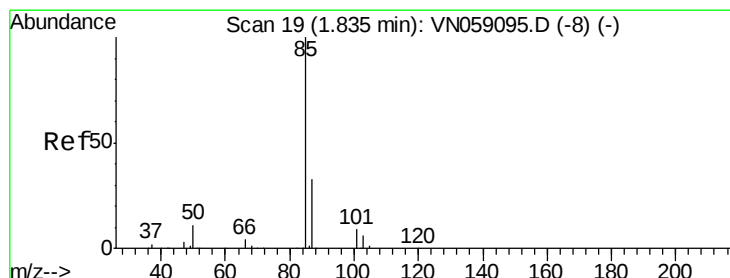
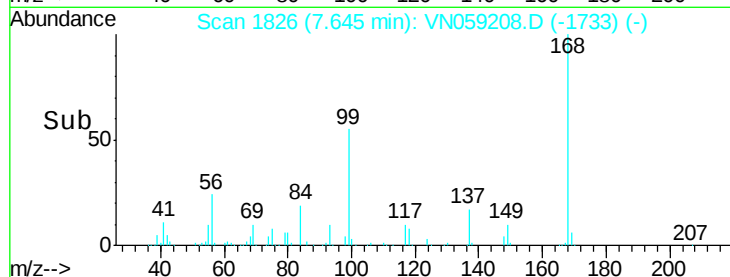
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.968 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059208.D

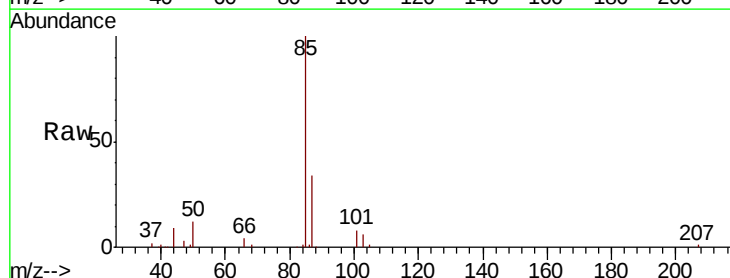
Acq: 13 Nov 2019 10:06

Tgt Ion: 85 Resp: 76208

Ion Ratio Lower Upper

85 100

87 33.6 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

60000

50000

40000

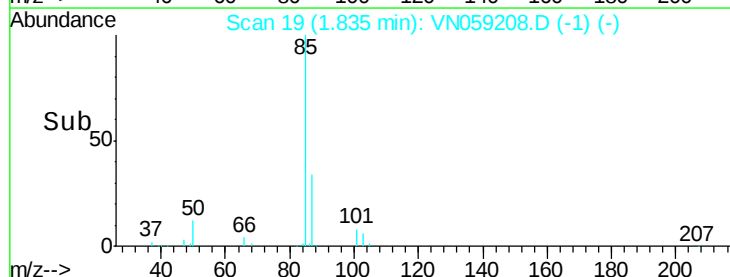
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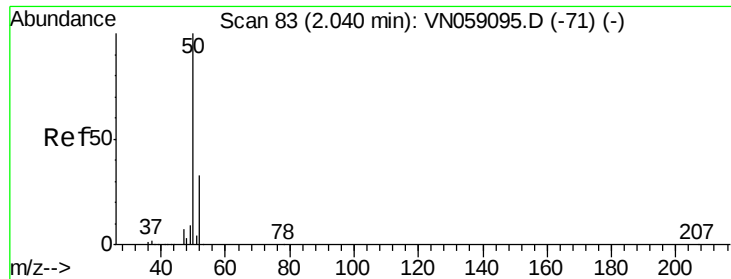
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.608 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 50 Resp: 101623

Ion Ratio Lower Upper

50 100

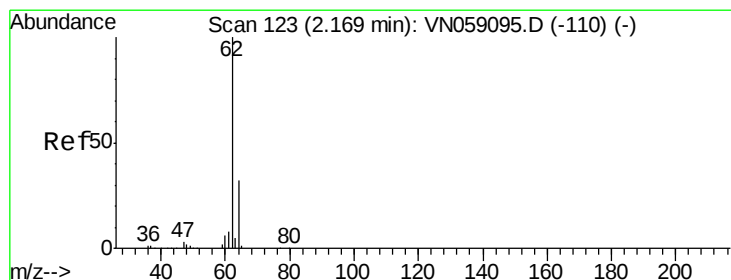
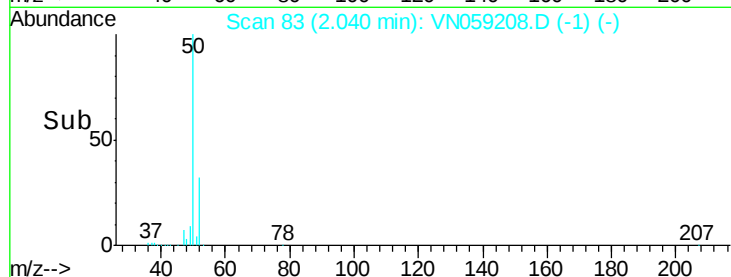
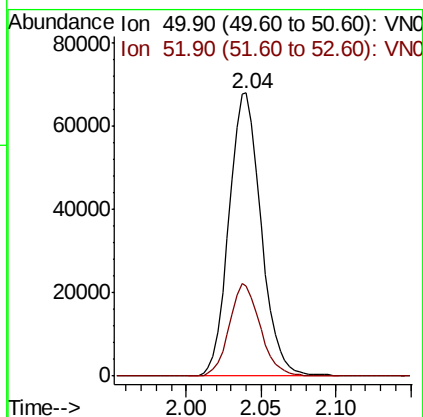
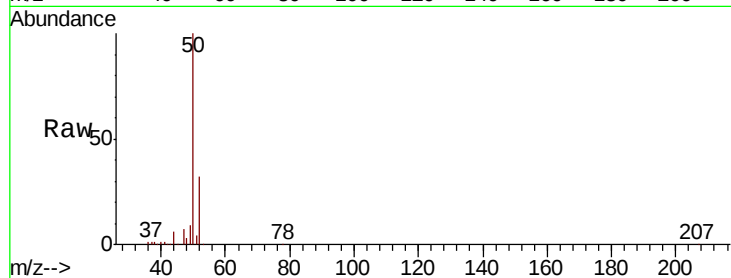
52 31.9 26.0 39.0

Manual Integrations

APPROVED

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11/14/2019 10:00:11 AM



#4

Vinyl Chloride

Concen: 19.480 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059208.D

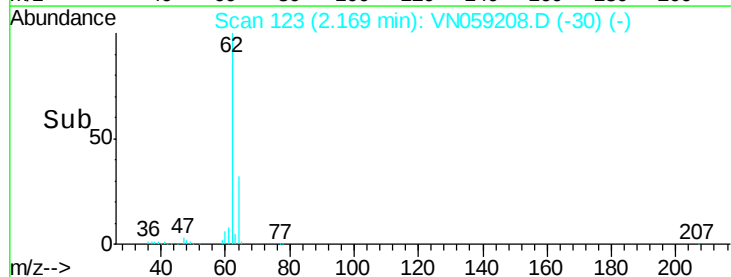
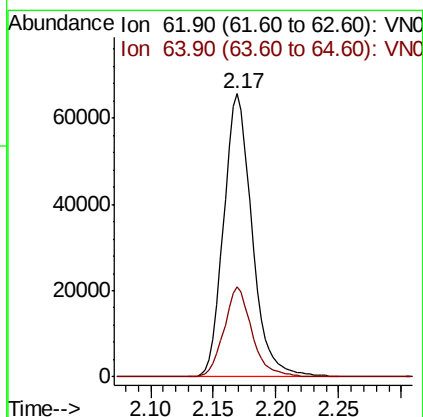
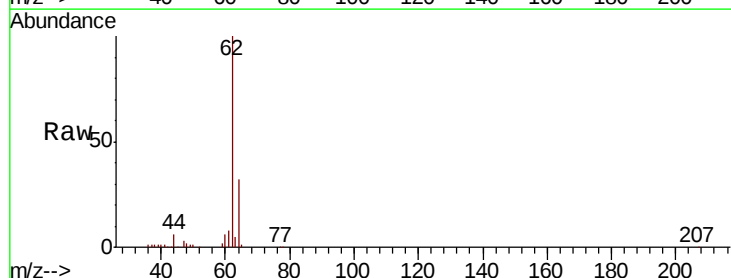
Acq: 13 Nov 2019 10:06

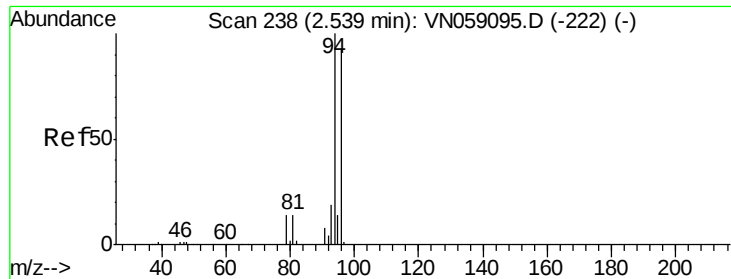
Tgt Ion: 62 Resp: 103144

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 19.900 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 94 Resp: 60636

Ion Ratio Lower Upper

94 100

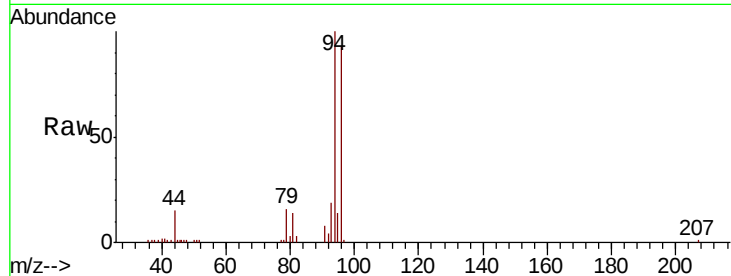
96 93.1 74.2 111.2

Manual Integrations

APPROVED

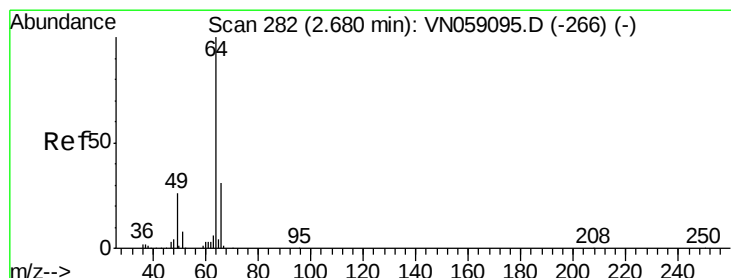
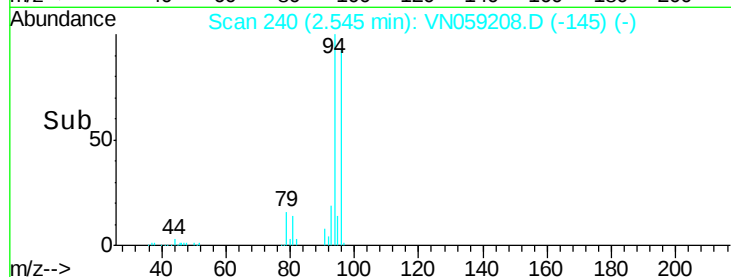
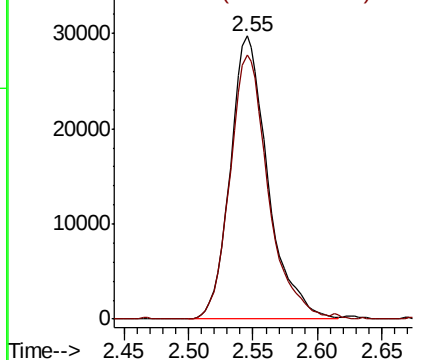
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11/14/2019 10:00:11 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.759 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059208.D

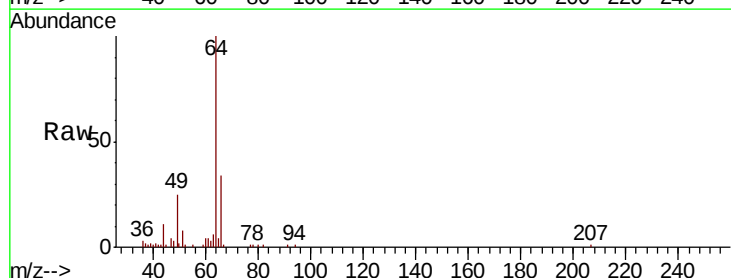
Acq: 13 Nov 2019 10:06

Tgt Ion: 64 Resp: 61888

Ion Ratio Lower Upper

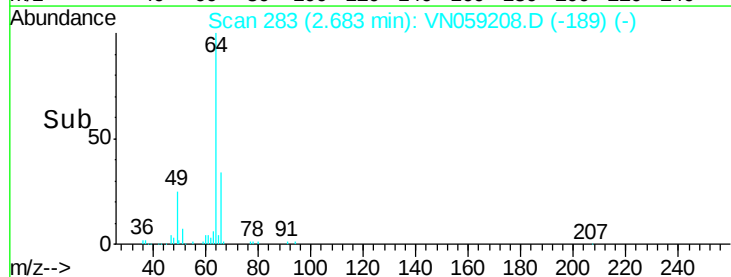
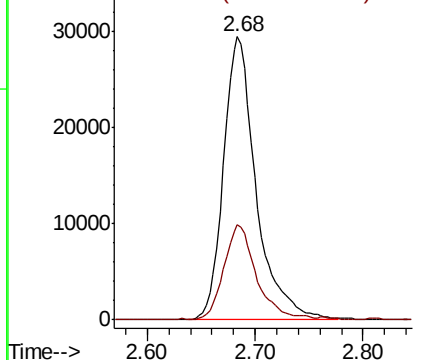
64 100

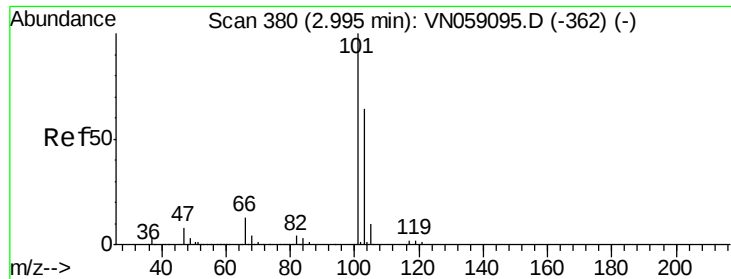
66 33.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

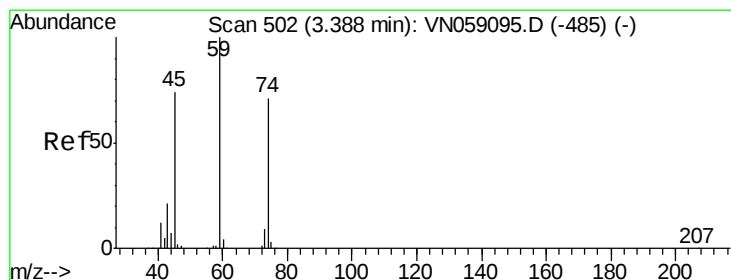
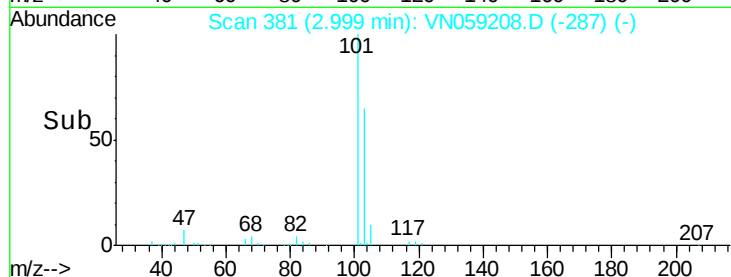
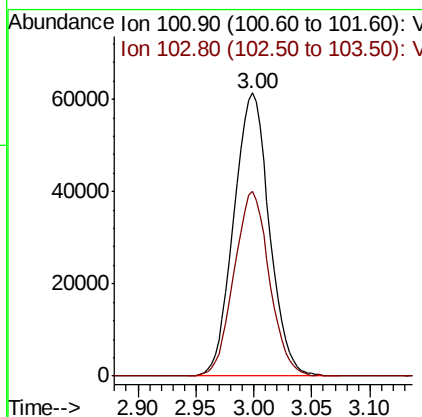
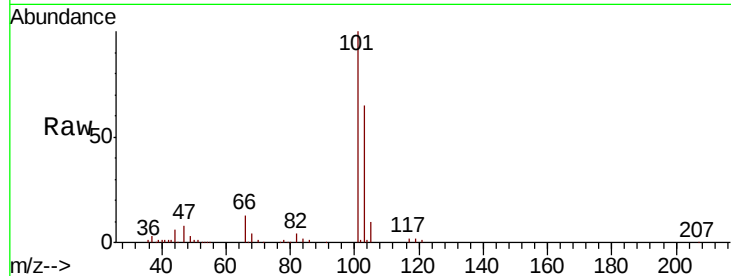
Trichlorofluoromethane
 Concen: 20.620 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059208.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.2	76.8

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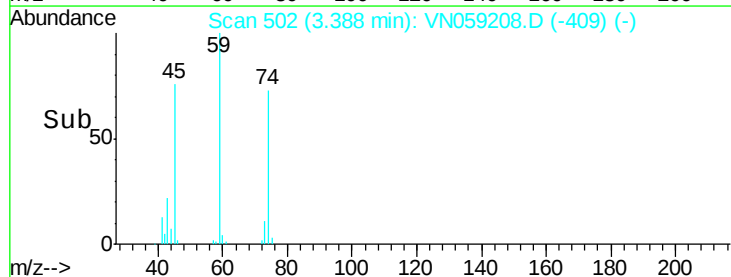
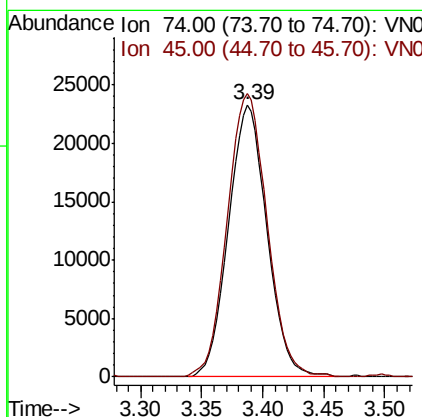
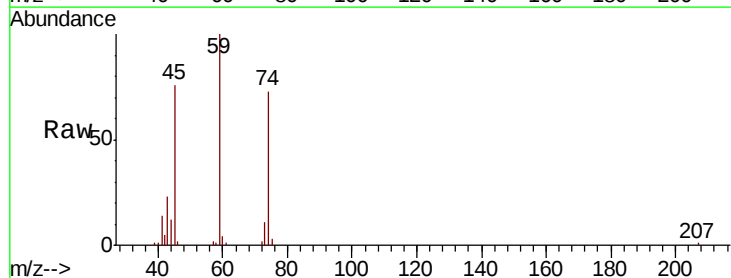
MMDadoda
 11/14/2019 10:00:11 AM

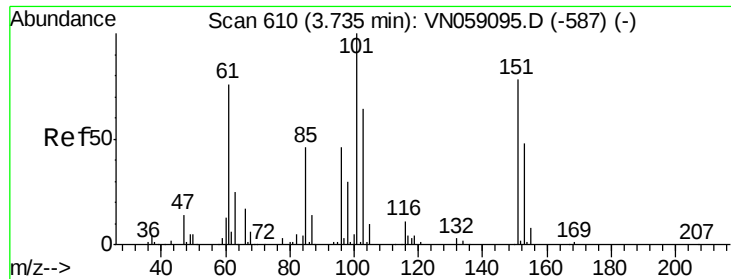


#8

Diethyl Ether
 Concen: 19.820 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.088 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

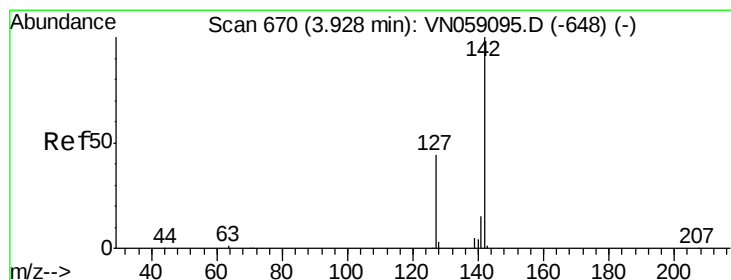
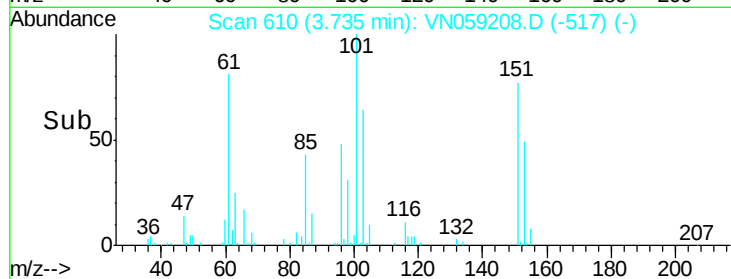
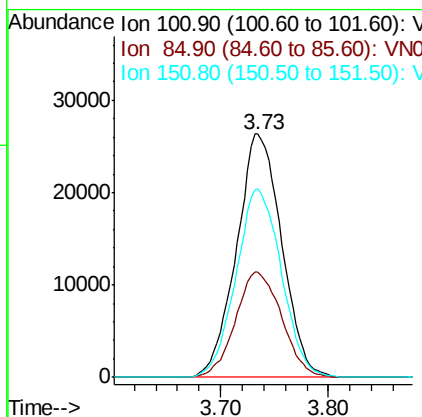
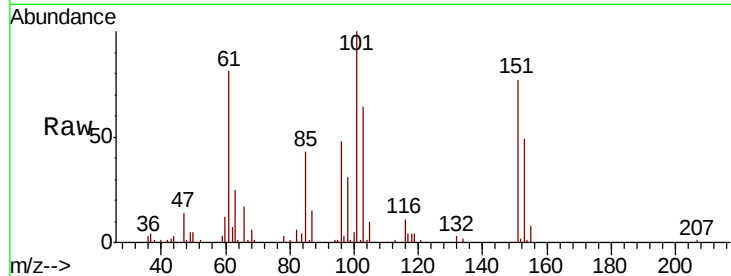
ClientSampleId :

VN1113WBS01

Tot Ion:	101	Resp:	76710
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.5	53.3
151	77.9	62.2	93.2

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



#10

Methyl Iodide

Concen: 18.929 ug/l

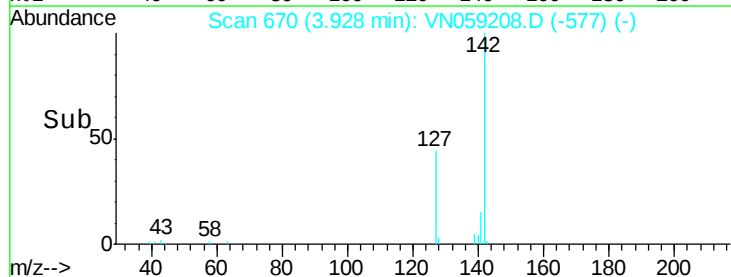
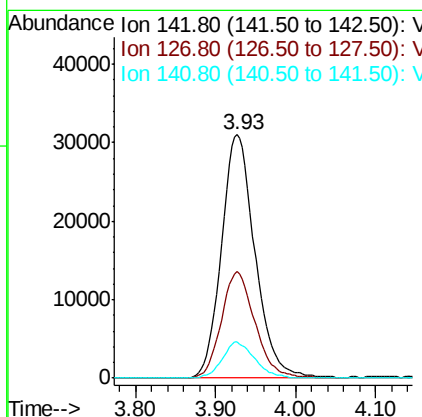
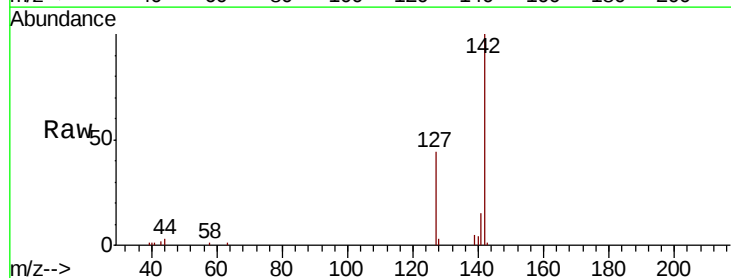
RT: 3.93 min Scan# 670

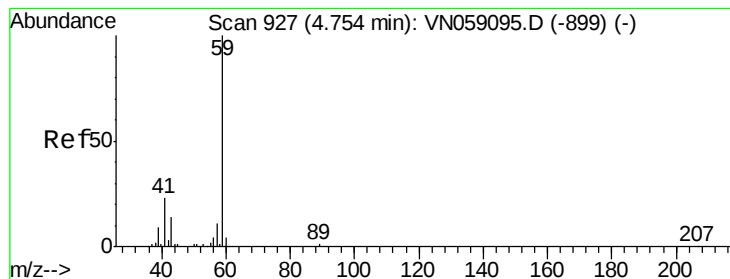
Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion:	142	Resp:	89473
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.2	51.2
141	14.3	11.4	17.0





#11

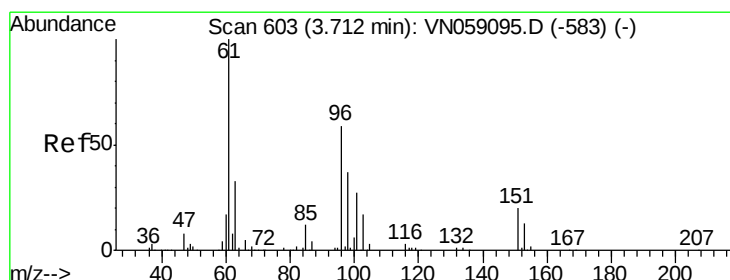
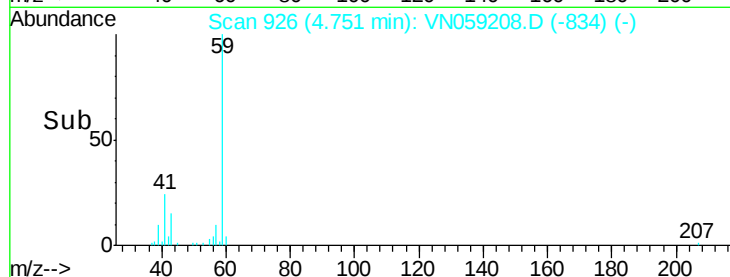
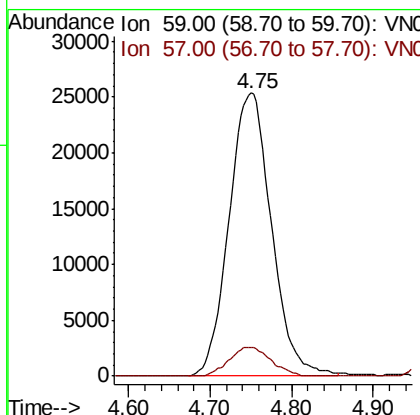
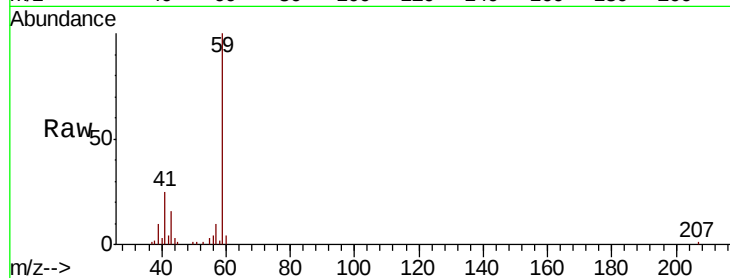
Tert butyl alcohol
Concen: 97.971 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	59	Resp	91522
Ion Ratio	100	Lower	Upper
57	10.1	8.3	12.5

Manual Integrations
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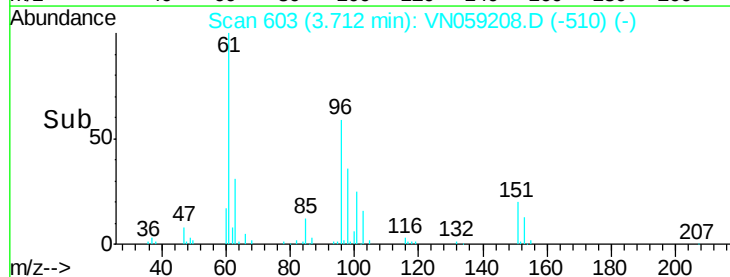
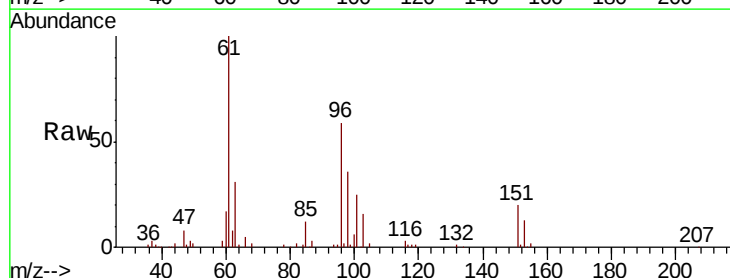
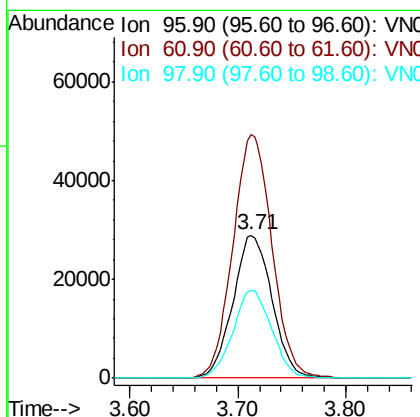
MMDadoda
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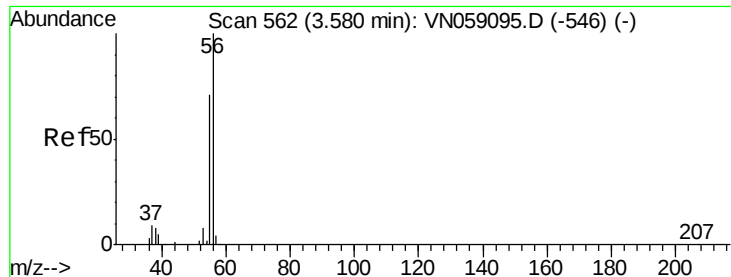


#12

1,1-Dichloroethene
Concen: 19.632 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	96	Resp	73027
Ion Ratio	100	Lower	Upper
61	170.3	136.5	204.7
98	61.5	50.2	75.4





#13

Acrolein

Concen: 69.388 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 56 Resp: 33420

Ion Ratio Lower Upper

56 100

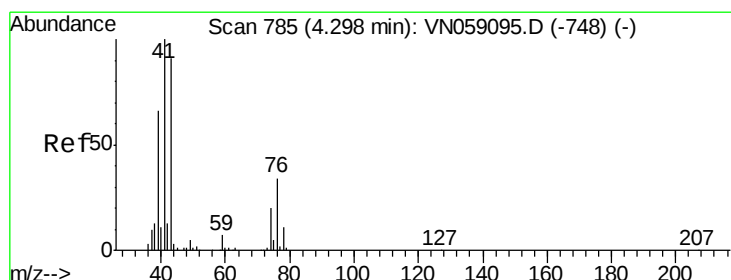
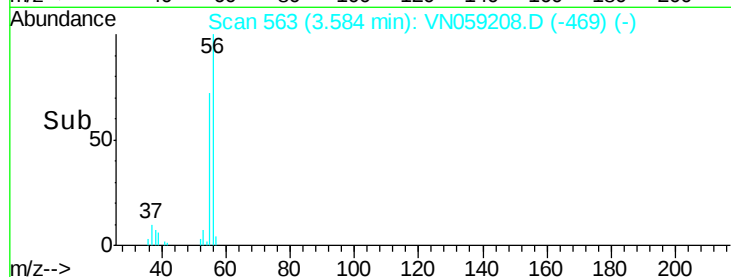
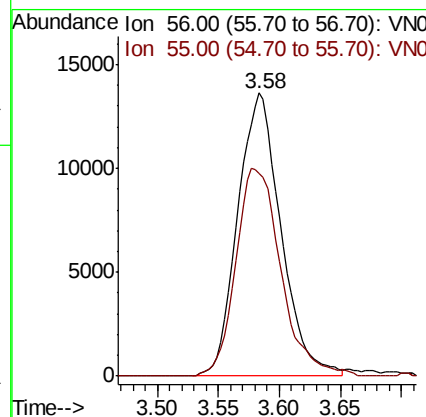
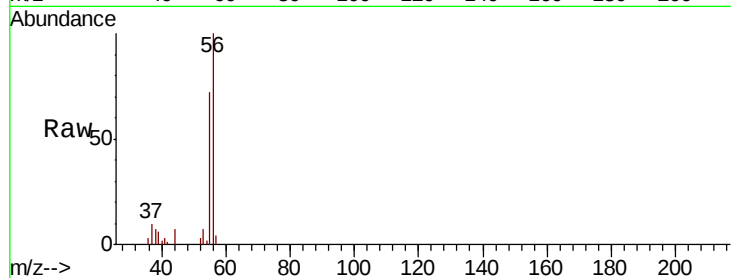
55 76.8 56.4 84.6

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.216 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

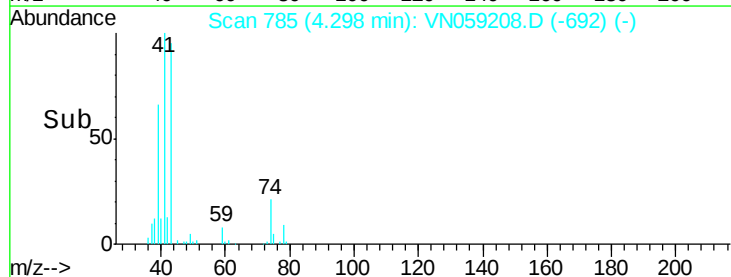
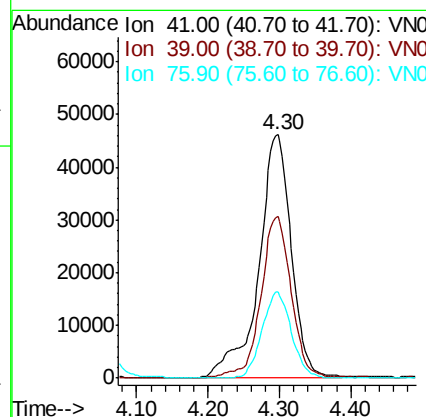
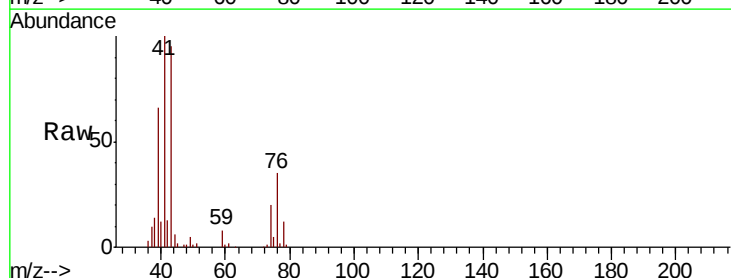
Tgt Ion: 41 Resp: 146831

Ion Ratio Lower Upper

41 100

39 61.4 49.1 73.7

76 31.5 24.9 37.3





#15

Acrylonitrile

Concen: 102.397 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

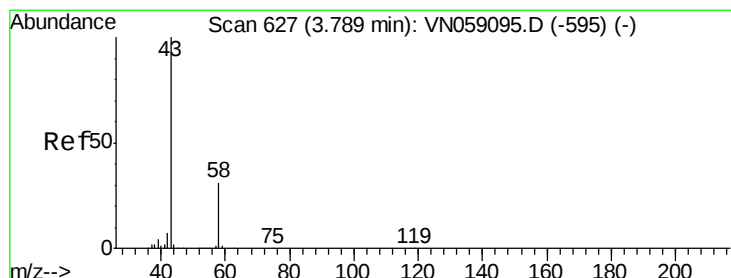
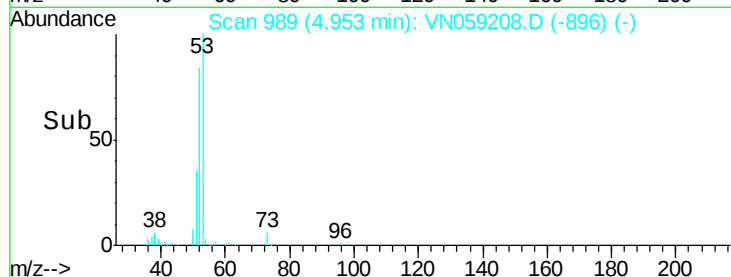
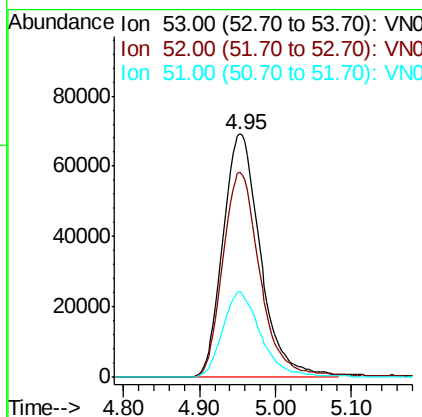
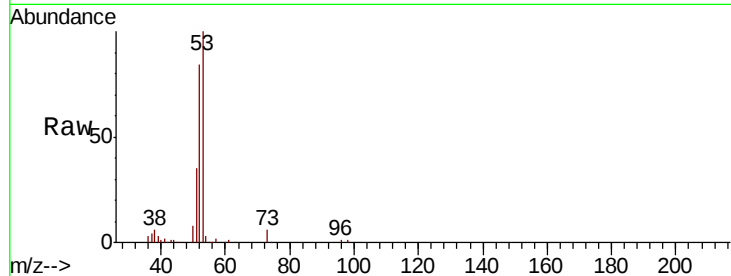
ClientSampleId :

VN1113WBS01

Tot Ion:	53	Resp:	238057
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.0	97.6
51	35.7	28.0	42.0

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 108.238 ug/l

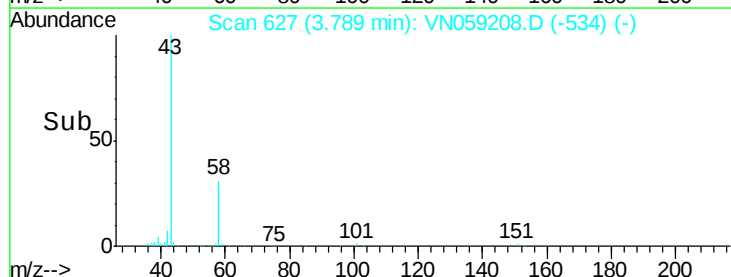
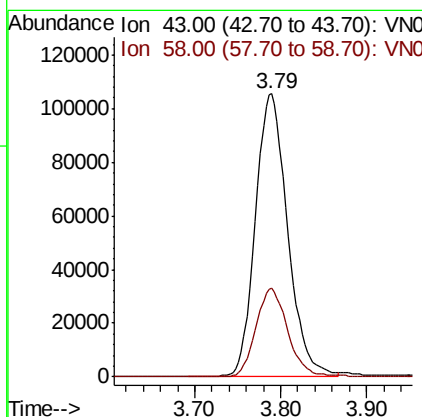
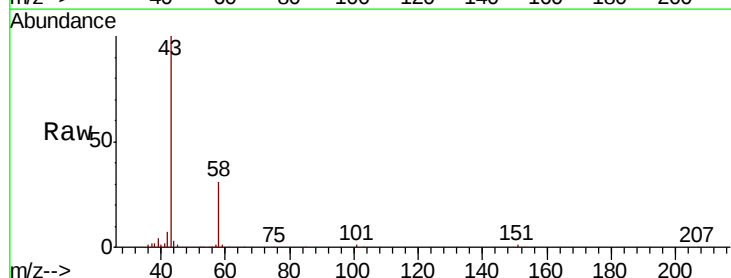
RT: 3.79 min Scan# 627

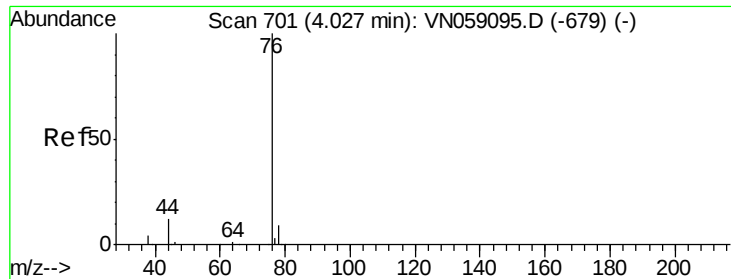
Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion:	43	Resp:	275902
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.9	37.3





#17

Carbon Disulfide

Concen: 17.421 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 76 Resp: 201164

Ion Ratio Lower Upper

76 100

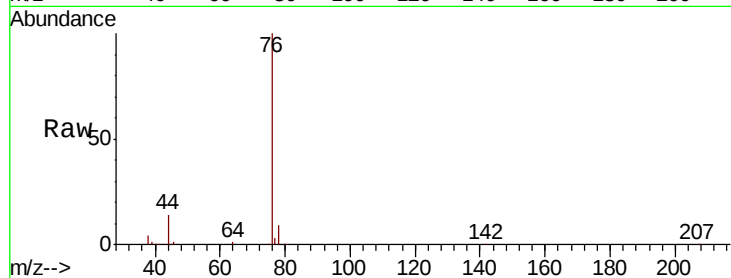
78 8.6 7.4 11.0

Manual Integrations

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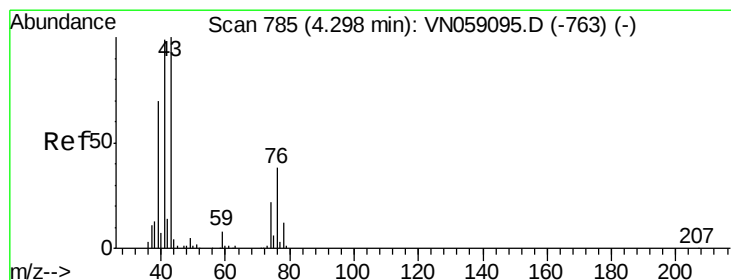
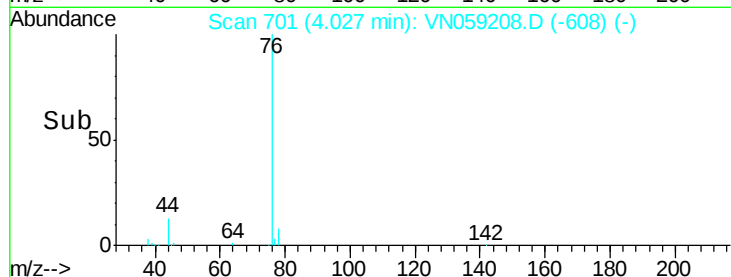
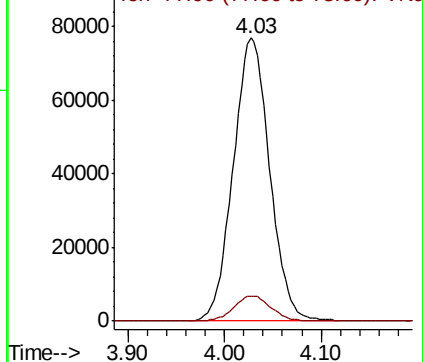
MMDadoda

11/14/2019 10:00:11 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.137 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059208.D

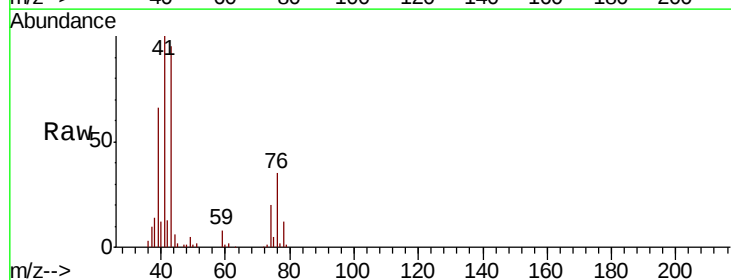
Acq: 13 Nov 2019 10:06

Tgt Ion: 43 Resp: 127887

Ion Ratio Lower Upper

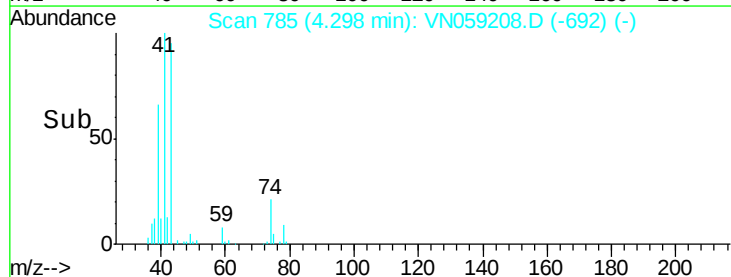
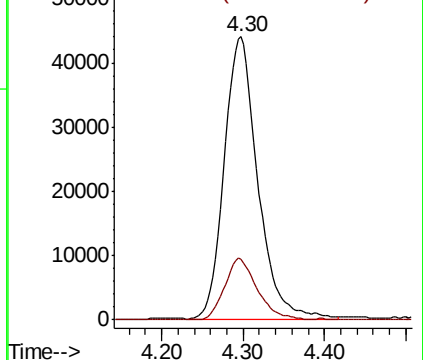
43 100

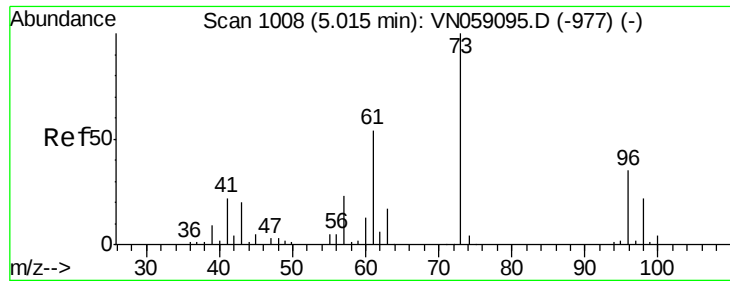
74 21.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





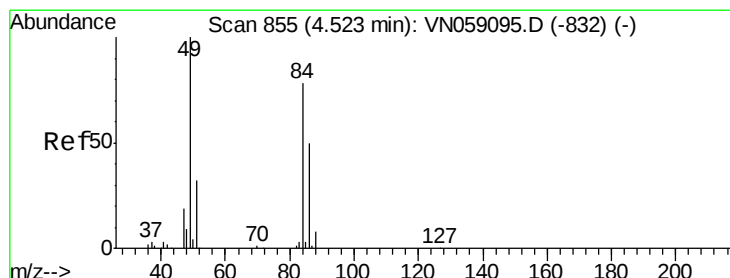
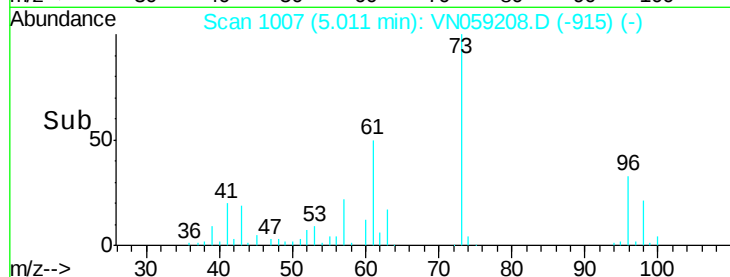
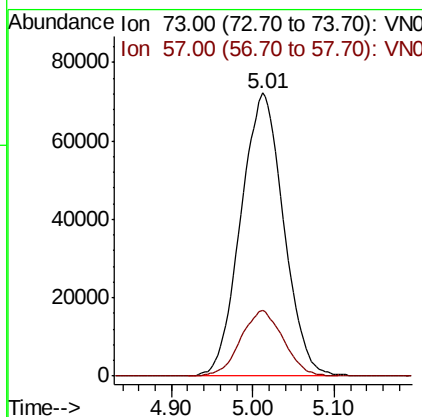
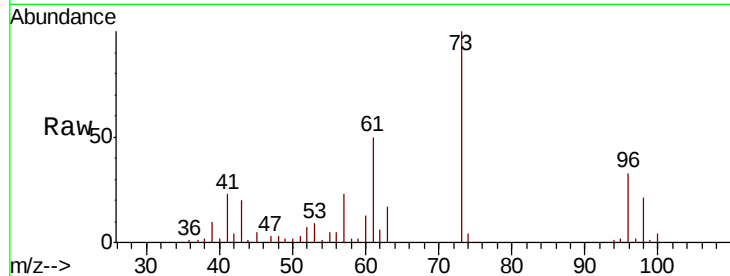
#19
Methvl tert-butvl Ether
Concen: 20.523 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 73 Resp: 262833
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

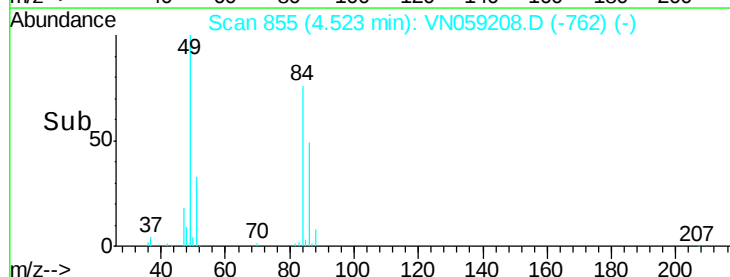
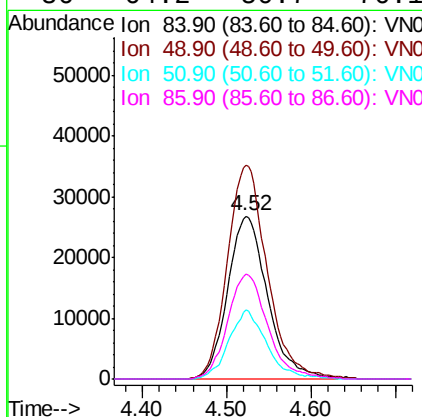
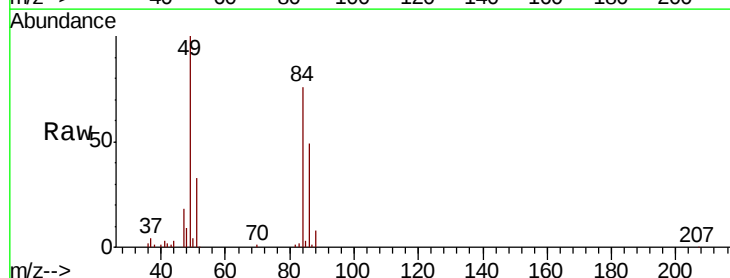
Manual Integrations
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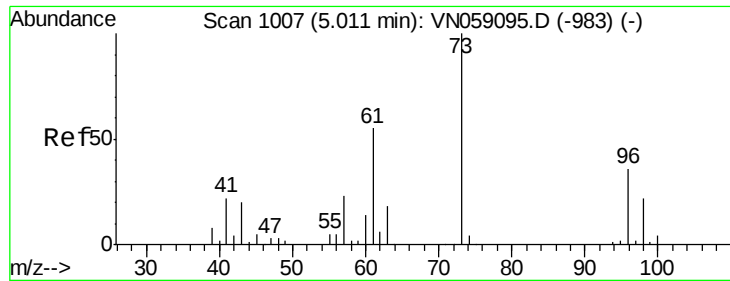
MMDadoda
11/14/2019 10:00:11 AM



#20
Methylene Chloride
Concen: 19.836 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion: 84 Resp: 88087
Ion Ratio Lower Upper
84 100
49 131.3 102.0 153.0
51 42.8 32.2 48.2
86 64.2 50.7 76.1





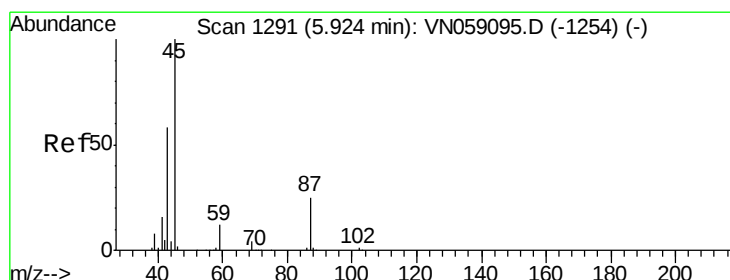
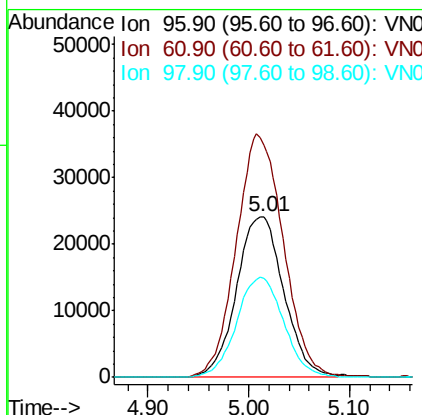
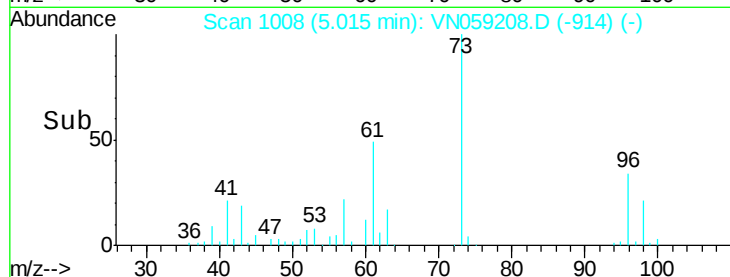
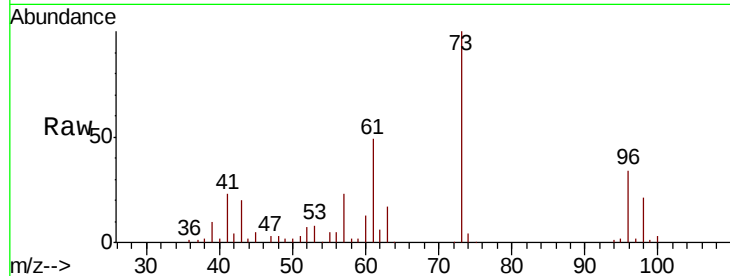
#21
trans-1,2-Dichloroethene
Concen: 19.678 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	122.6	183.8
98	61.5	50.3	75.5

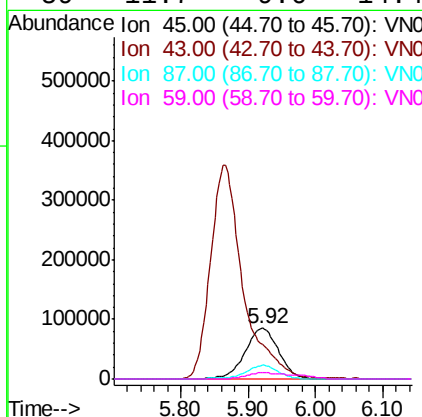
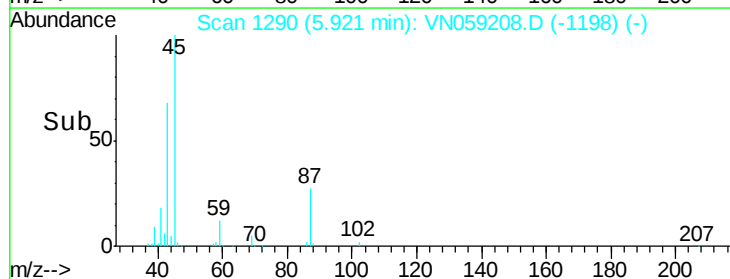
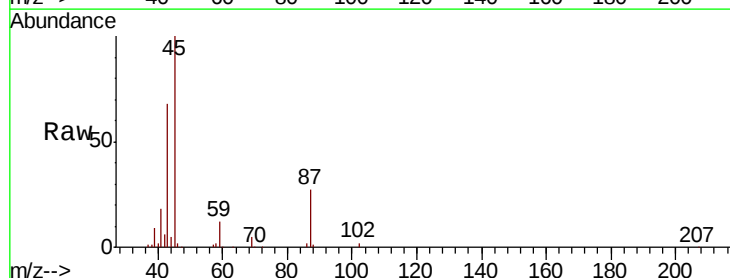
Manual Integrations
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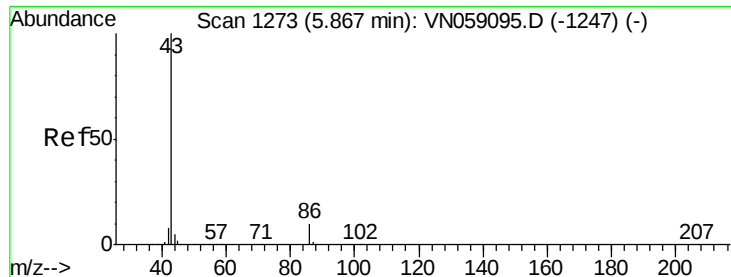
MMDadoda
11/14/2019 10:00:11 AM



#22
Diisopropyl ether
Concen: 20.515 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.2	46.7	70.1
87	26.9	20.5	30.7
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 107.934 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 43 Resp: 1207308

Ion Ratio Lower Upper

43 100

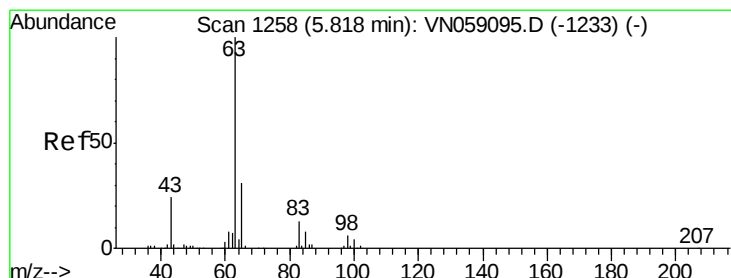
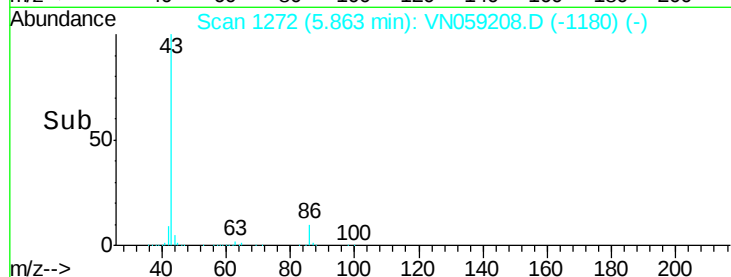
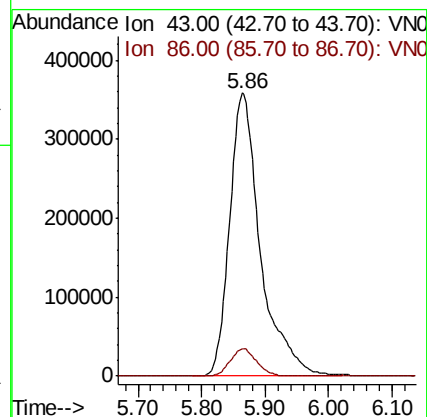
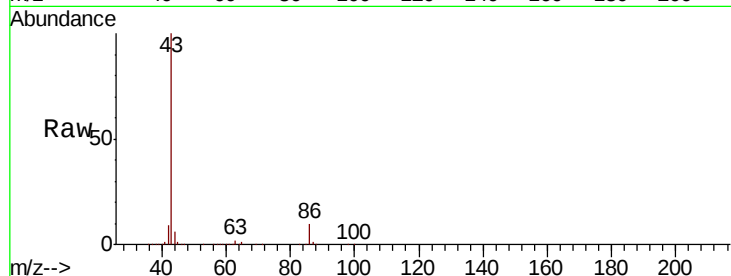
86 9.6 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

11/14/2019 10:00:11 AM



#24

1,1-Dichloroethane

Concen: 20.488 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

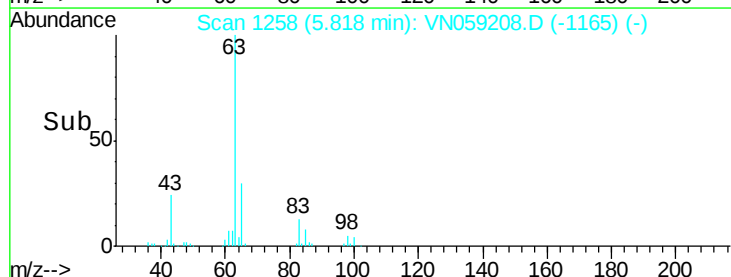
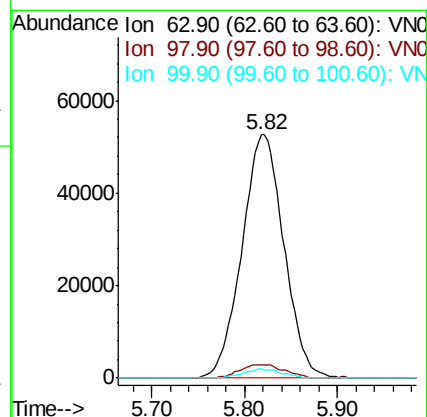
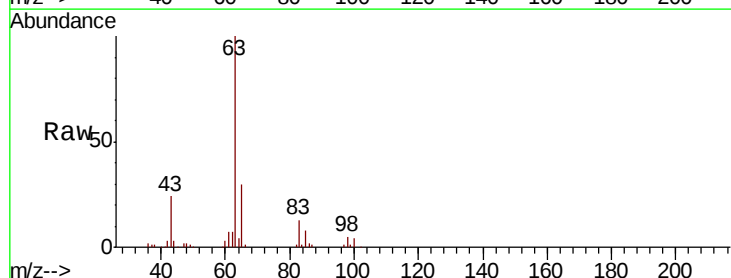
Tgt Ion: 63 Resp: 165153

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 103.298 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 43 Resp: 347027

Ion Ratio Lower Upper

43 100

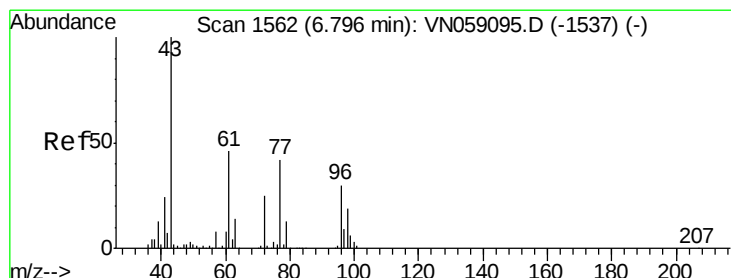
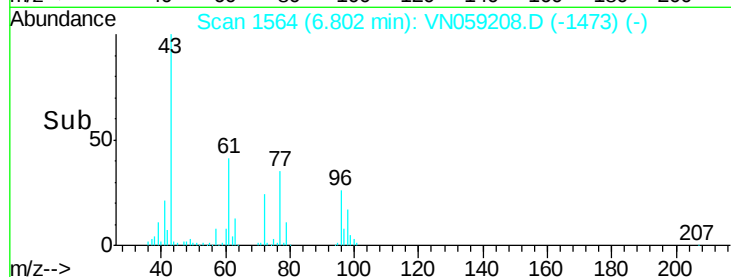
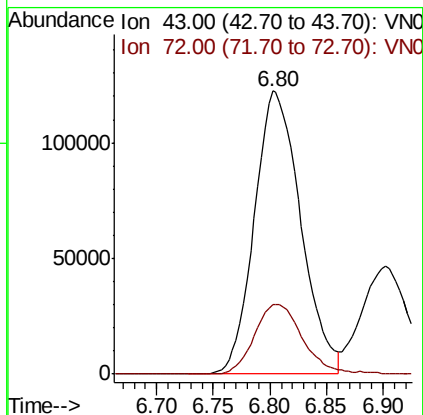
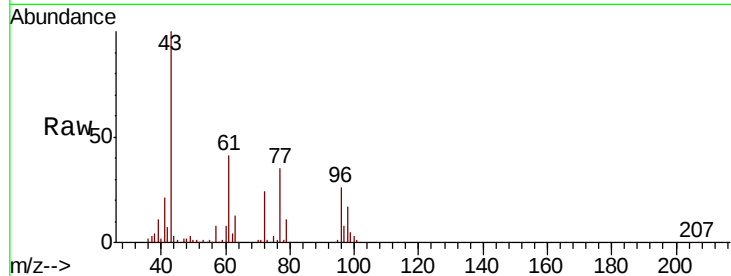
72 24.4 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

11/14/2019 10:00:11 AM



#26

2,2-Dichloropropane

Concen: 20.044 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059208.D

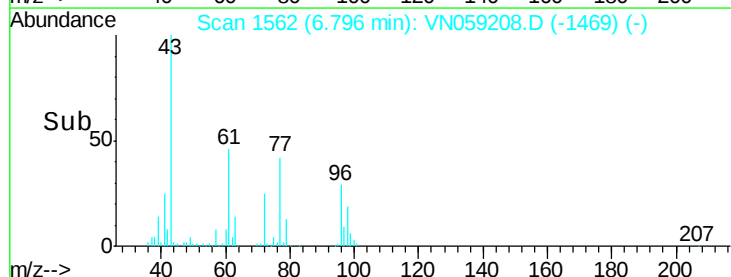
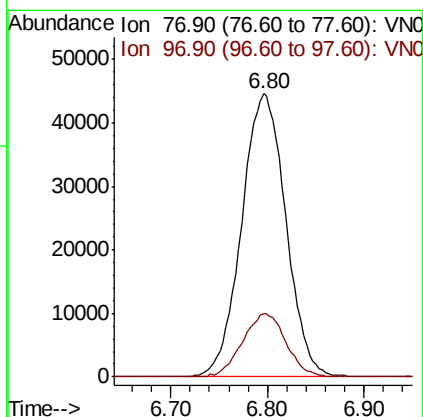
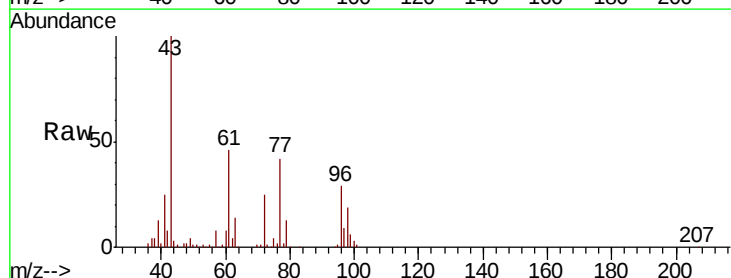
Acq: 13 Nov 2019 10:06

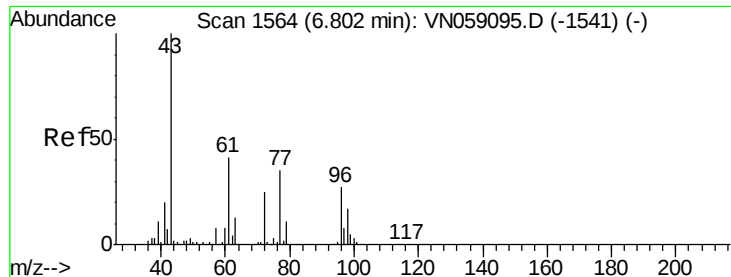
Tgt Ion: 77 Resp: 141287

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.176 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

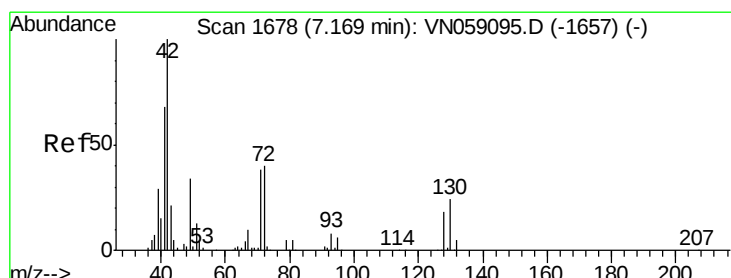
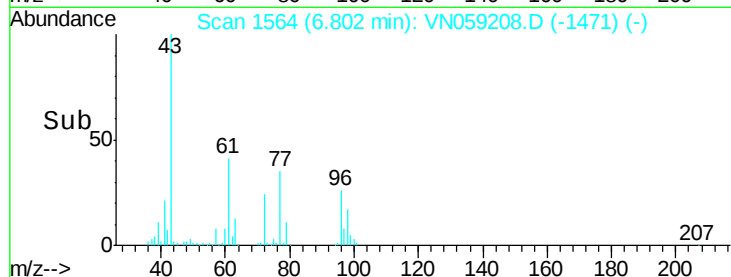
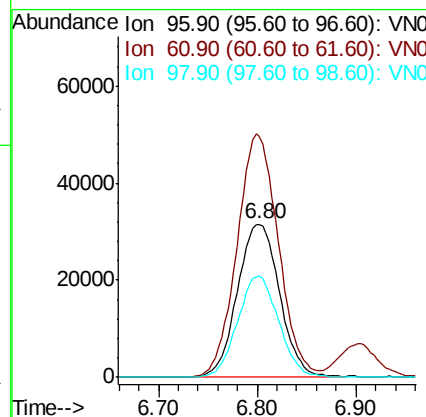
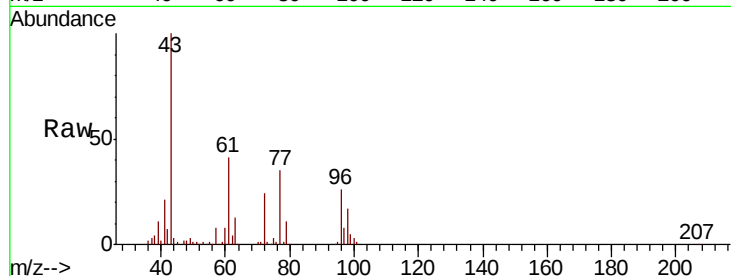
ClientSampleId :

VN1113WBS01

Tot Ion:	96	Resp:	93463
Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	311.6
98	64.4	0.0	129.8

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#28

Bromochloromethane

Concen: 20.232 ug/l

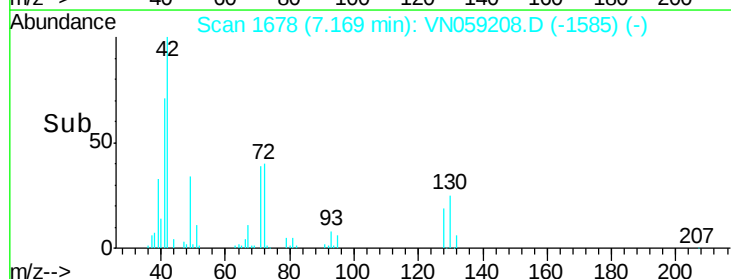
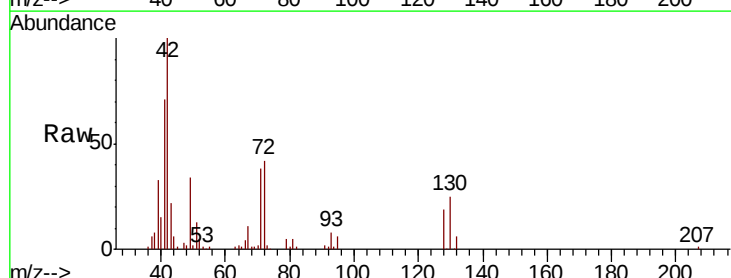
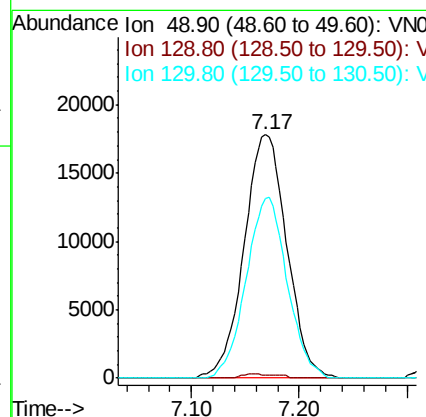
RT: 7.17 min Scan# 1678

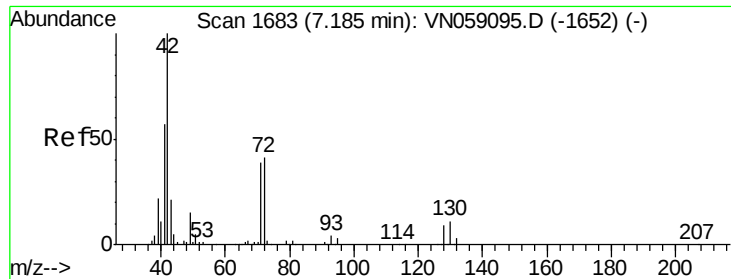
Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion:	49	Resp:	49068
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	71.3	55.6	83.4





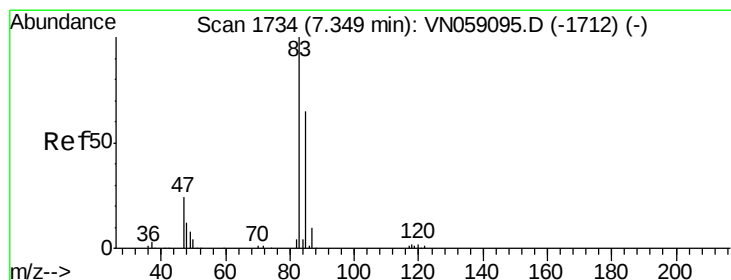
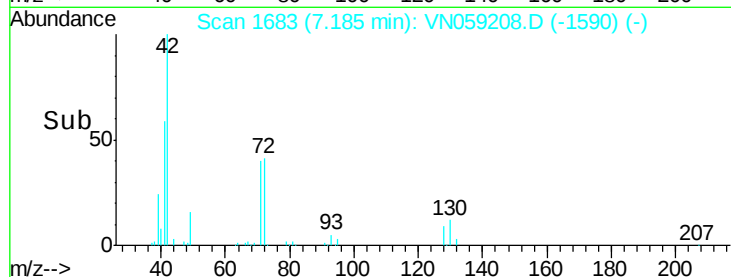
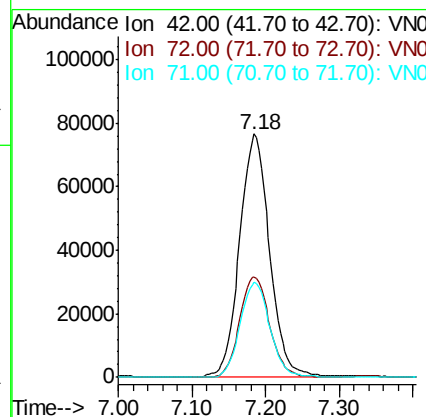
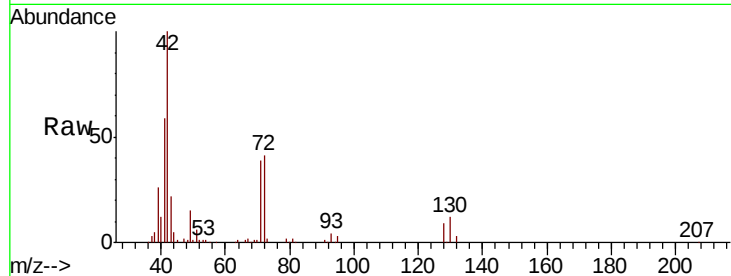
#29
Tetrahydrofuran
Concen: 101.214 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.1	49.7
71	39.1	30.9	46.3

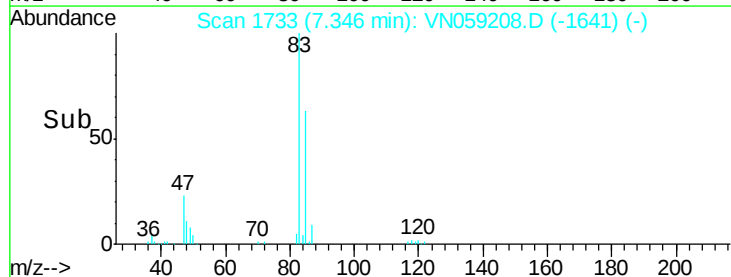
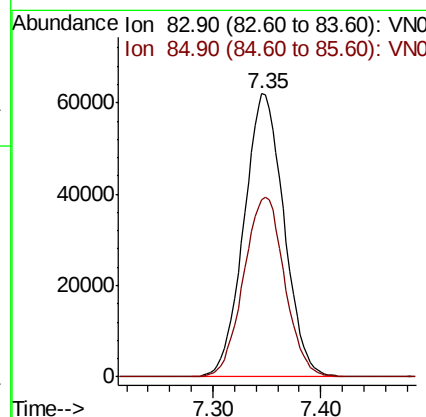
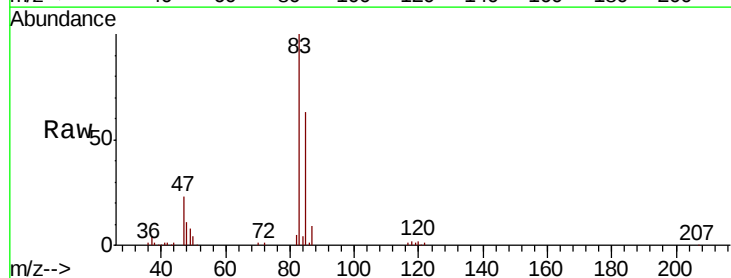
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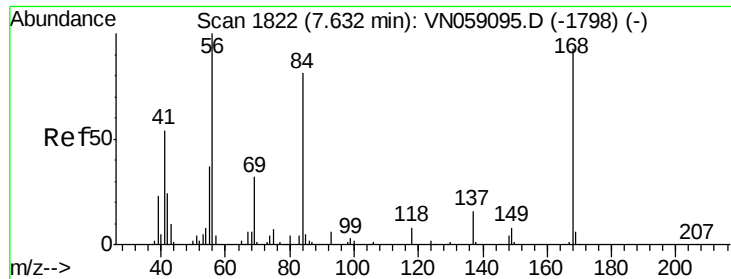
MMDadoda
11/14/2019 10:00:11 AM



#30
Chloroform
Concen: 20.695 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.8	77.8





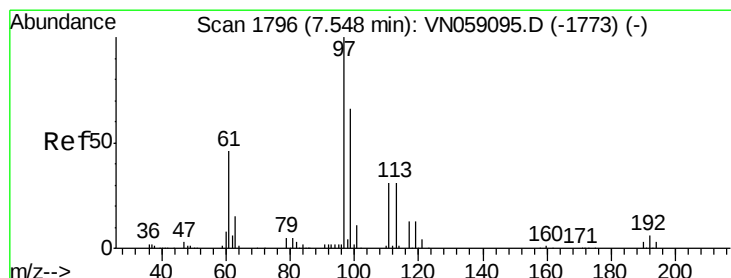
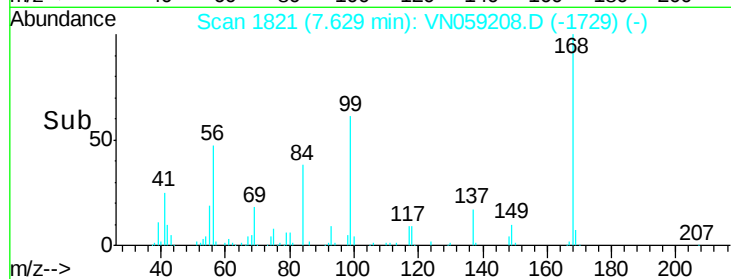
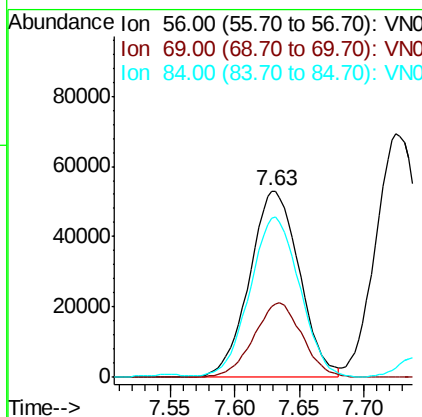
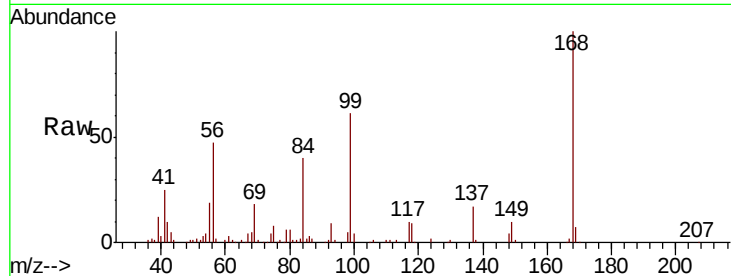
#31
Cyclohexane
Concen: 18.741 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	25.8	38.8
84	84.4	65.0	97.4

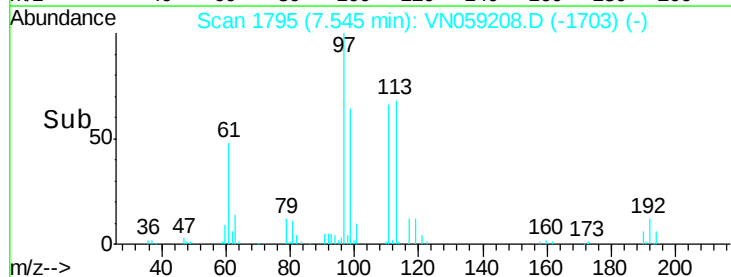
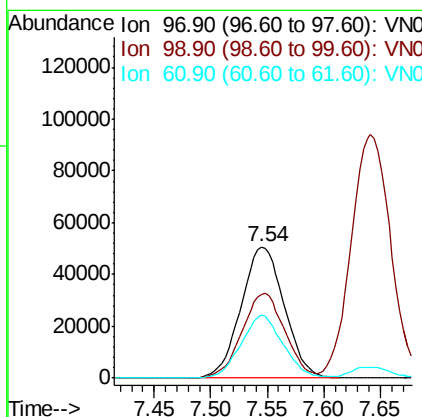
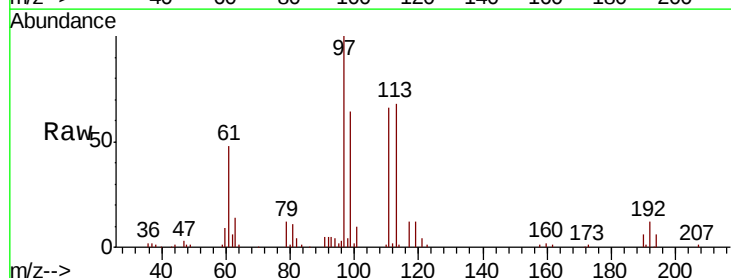
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#32
1,1,1-Trichloroethane
Concen: 20.748 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	46.7	35.8	53.8





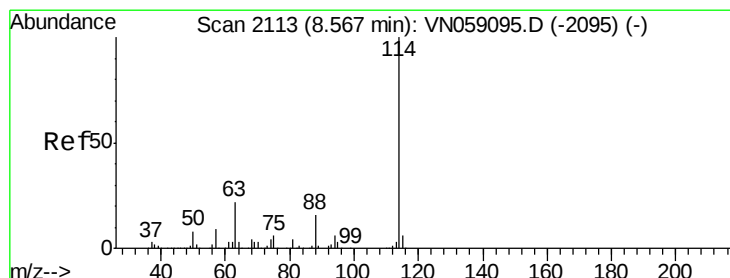
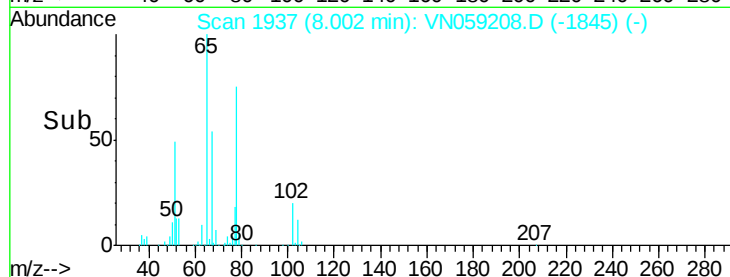
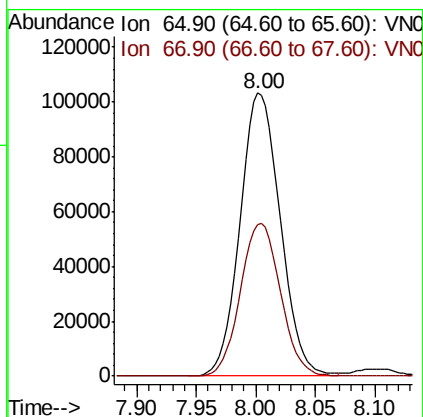
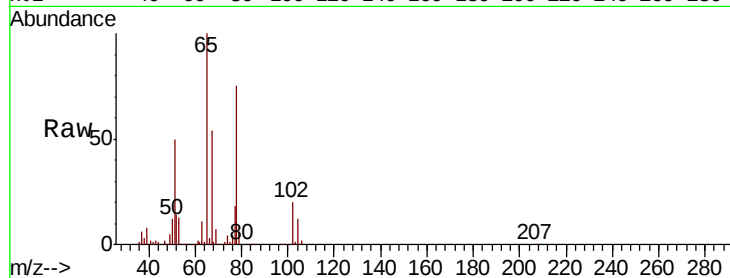
#33
 1,2-Dichloroethane-d4
 Concen: 49.425 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.4

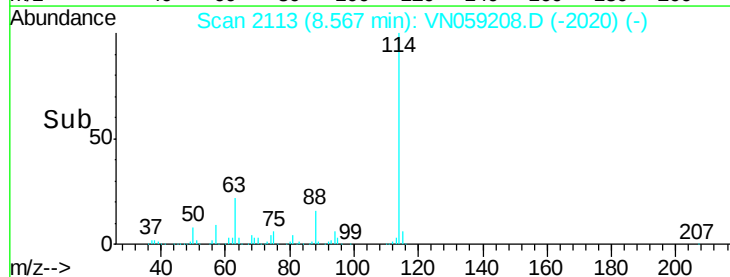
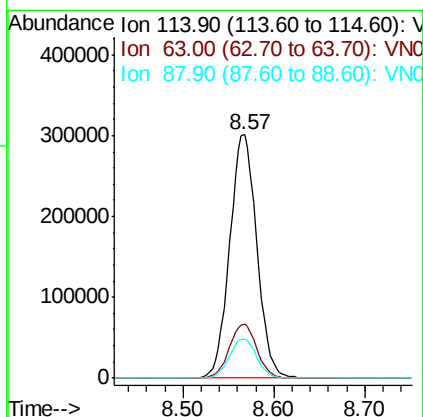
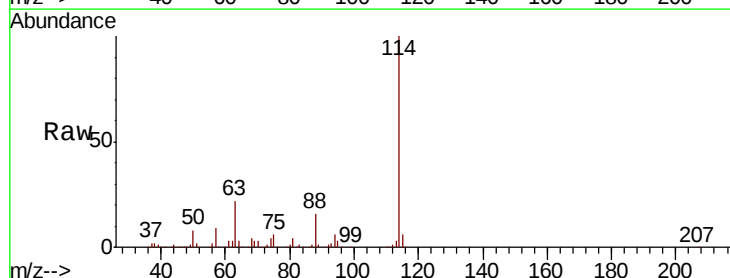
Manual Integrations
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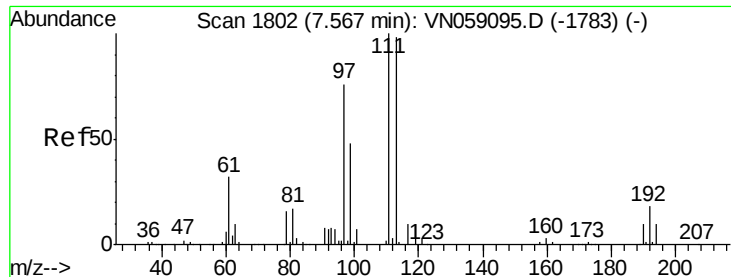
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 11/14/2019 10:00:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.4
88	16.1	0.0	32.2





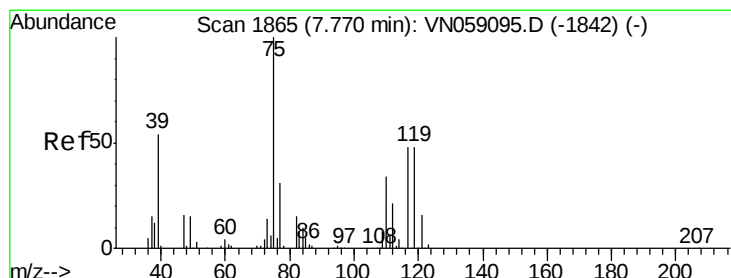
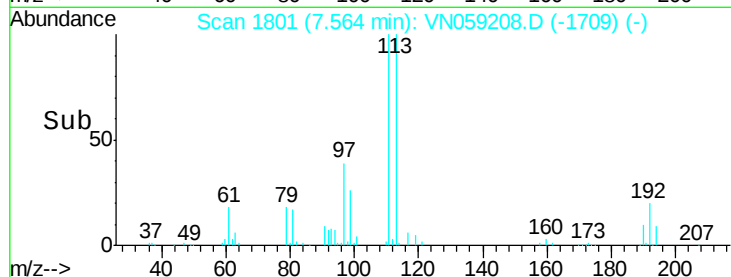
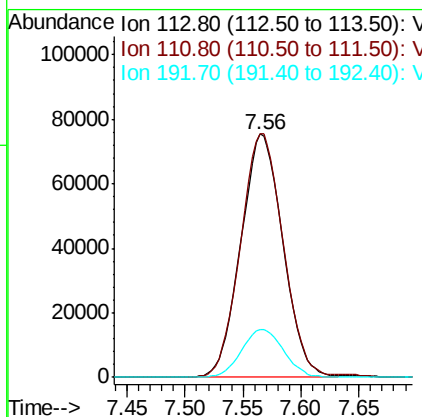
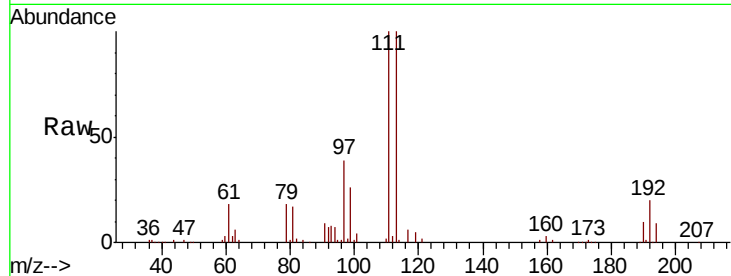
#35
Dibromofluoromethane
Concen: 51.147 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190272		
111	101.3	82.8	124.2	
192	19.8	16.1	24.1	

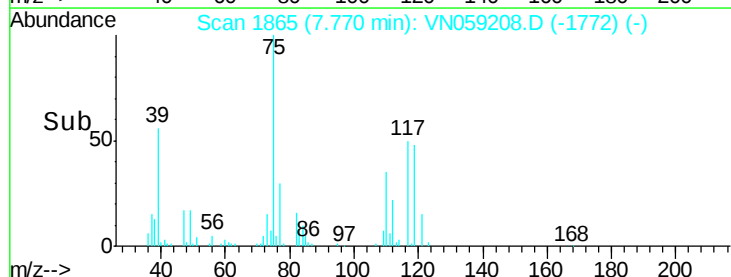
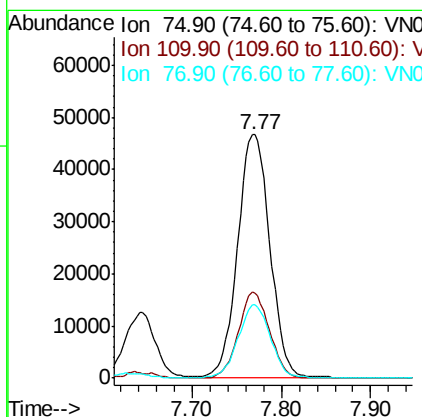
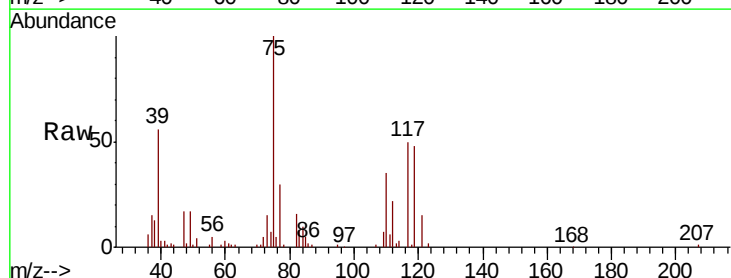
Manual Integrations
APPROVED

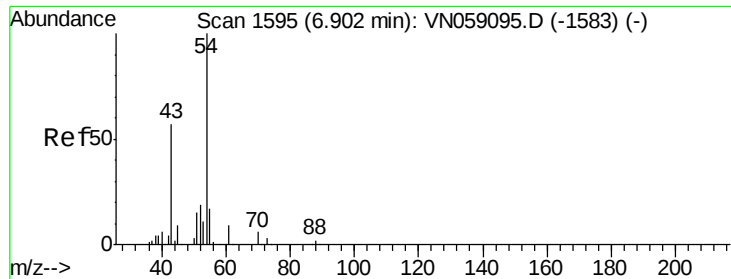
MMDadoda
11/14/2019 10:00:11 AM



#36
1,1-Dichloropropene
Concen: 20.216 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117726		
110	33.7	17.1	51.2	
77	30.2	24.8	37.2	





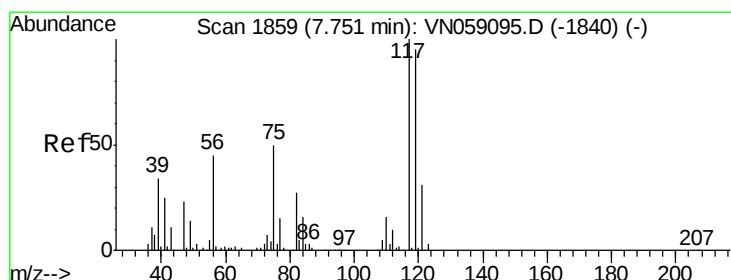
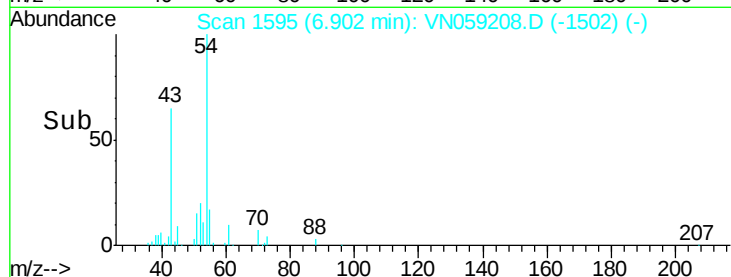
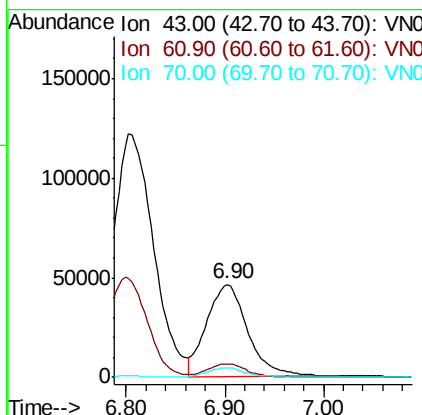
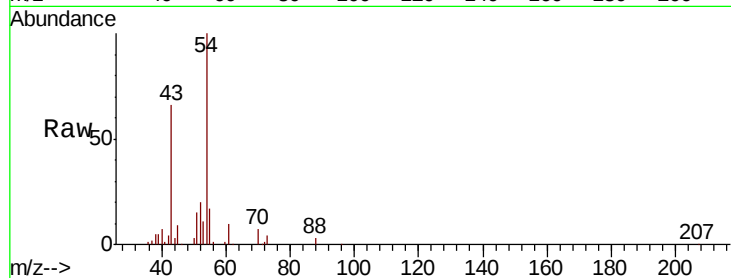
#37
Ethyl Acetate
Concen: 20.674 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	10.0	7.8	11.8

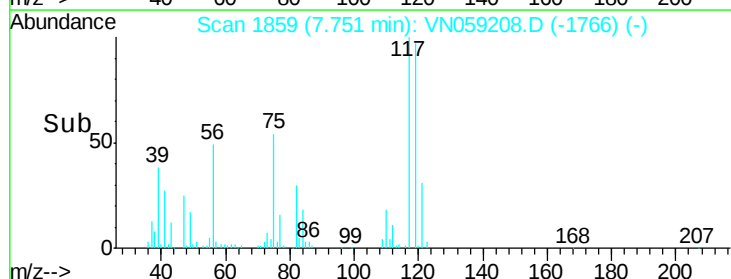
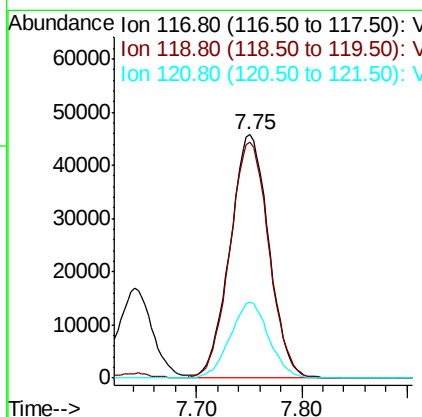
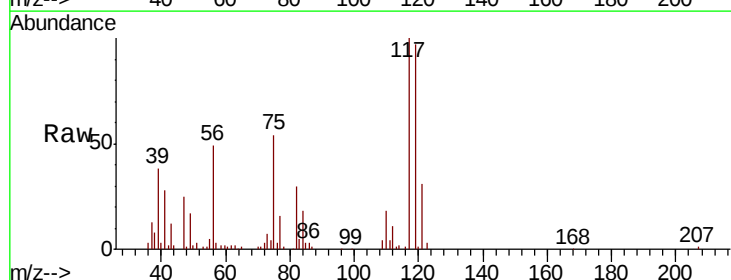
Manual Integrations
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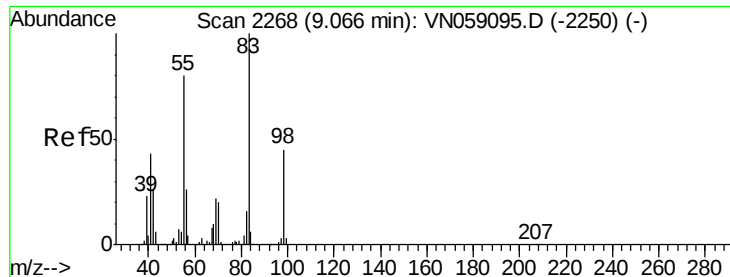
MMDadoda
11/14/2019 10:00:11 AM



#38
Carbon Tetrachloride
Concen: 20.182 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.6	113.4
121	31.3	24.6	36.8





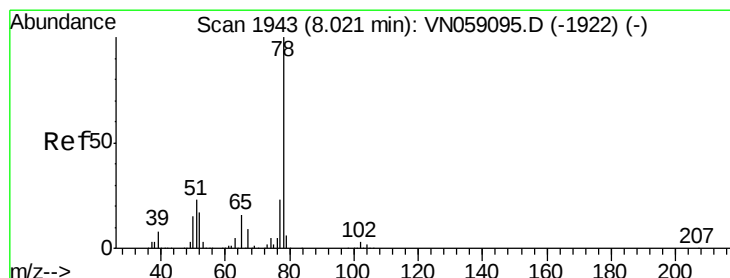
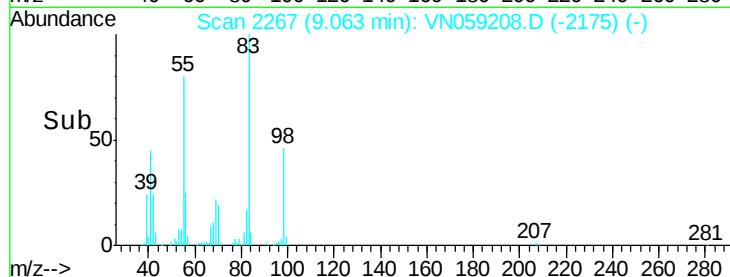
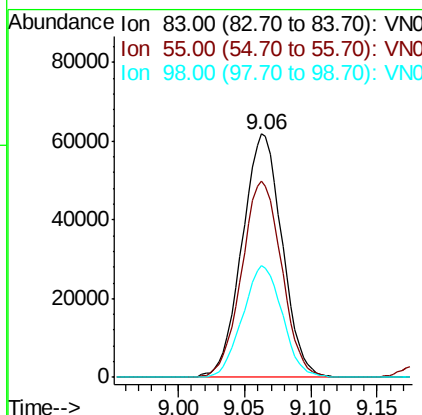
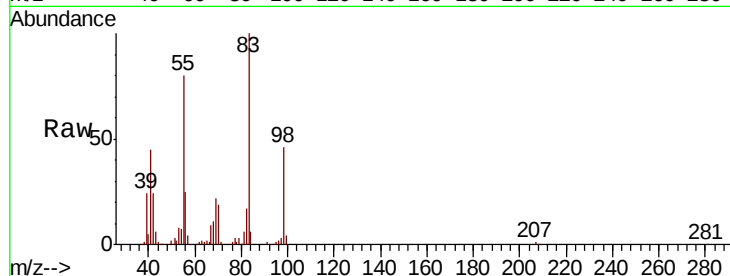
#39
Methvlcvclohexane
Concen: 19.258 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	63.9	95.9
98	46.0	35.6	53.4

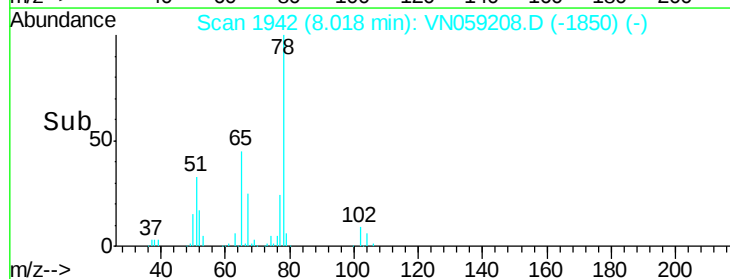
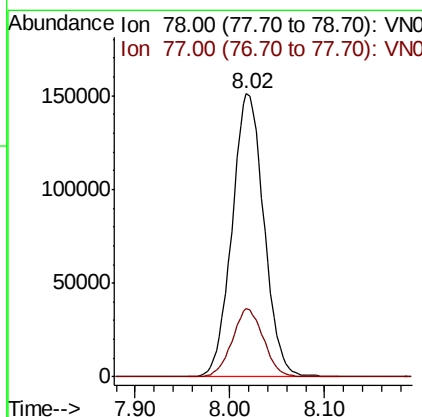
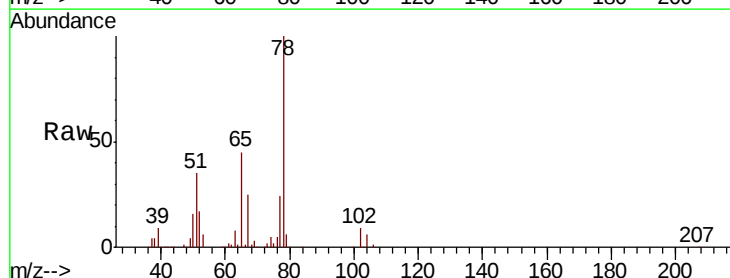
Manual Integrations
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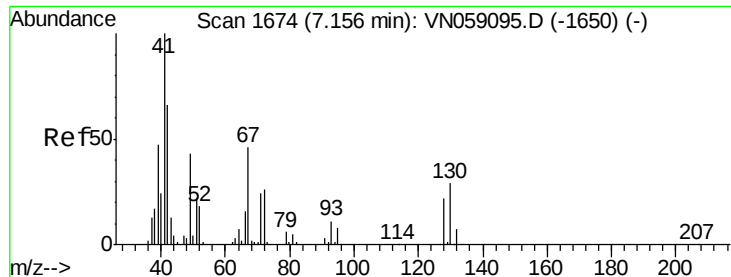
MMDadoda
11/14/2019 10:00:11 AM



#40
Benzene
Concen: 20.218 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





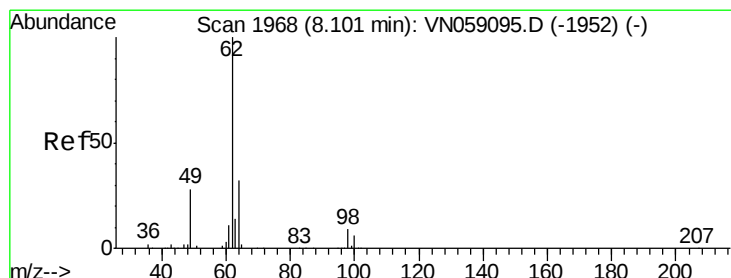
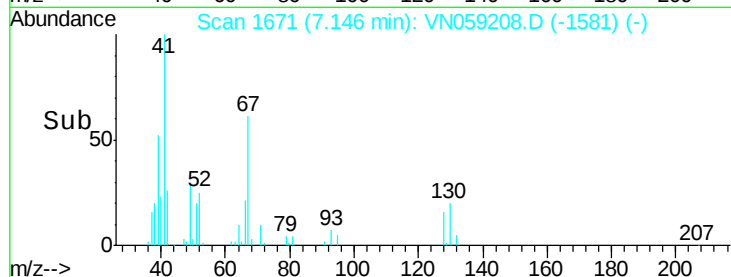
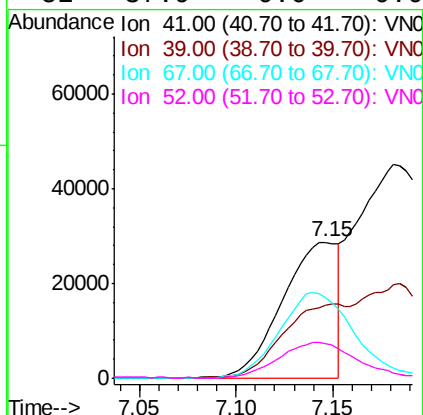
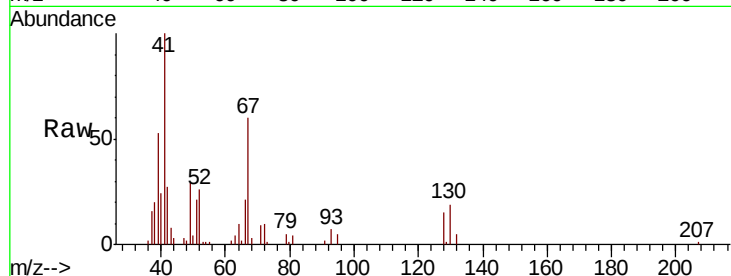
#41
Methacrylonitrile
Concen: 20.422 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.8	0.0	0.0#
67	85.2	0.0	0.0#
52	37.9	0.0	0.0#

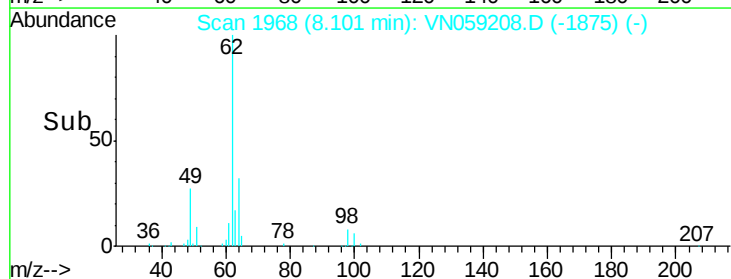
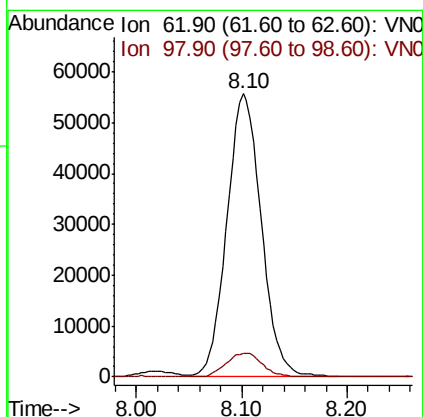
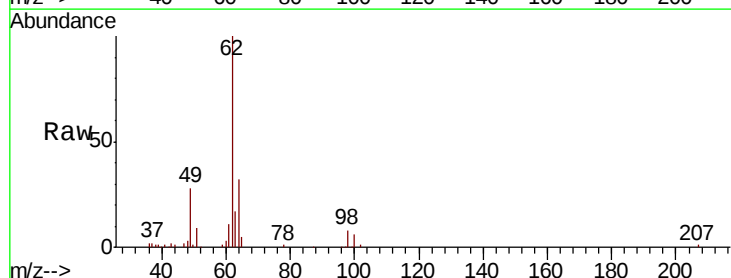
Manual Integrations
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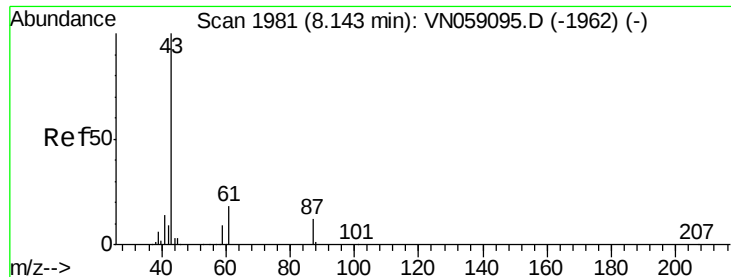
MMDadoda
11/14/2019 10:00:11 AM



#42
1,2-Dichloroethane
Concen: 20.953 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





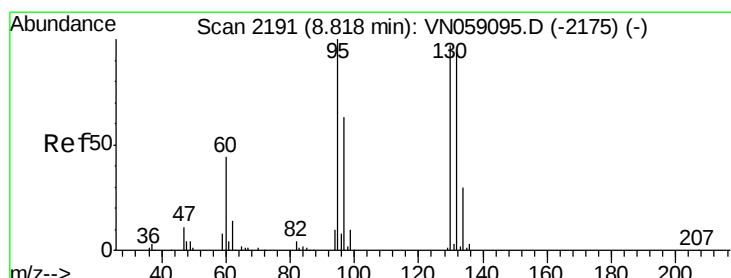
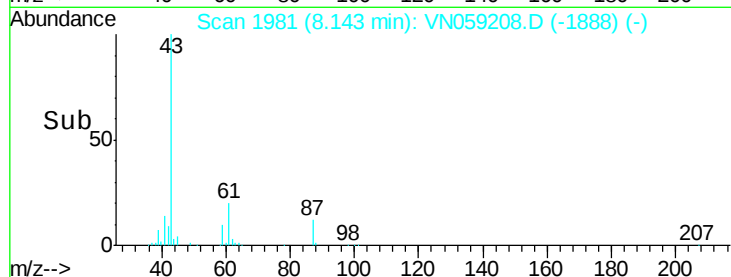
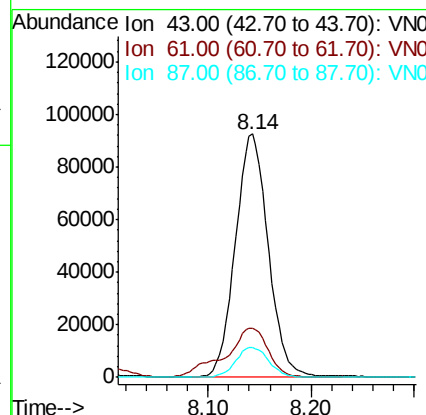
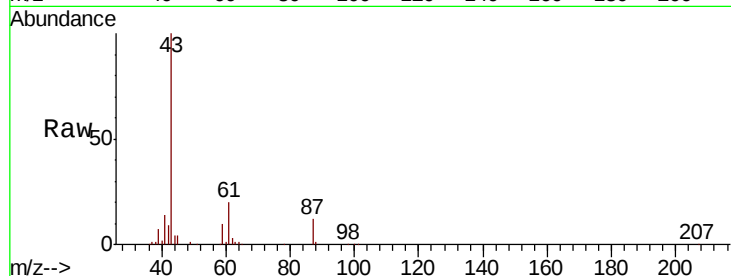
#43
Isopropyl Acetate
Concen: 19.985 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.6
87	12.3	9.8	14.6

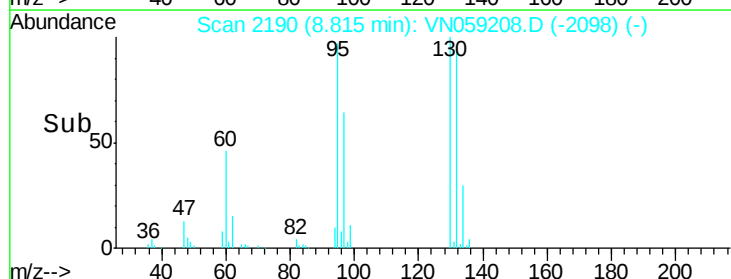
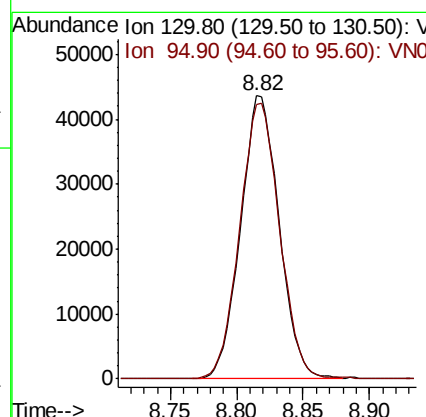
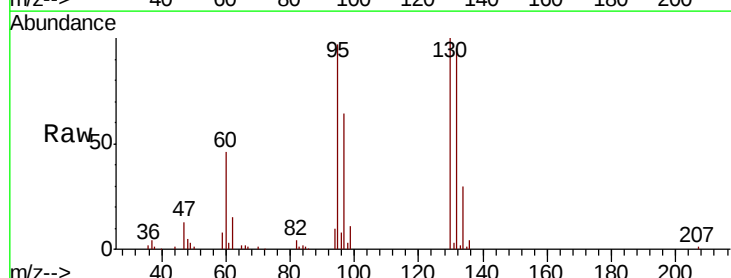
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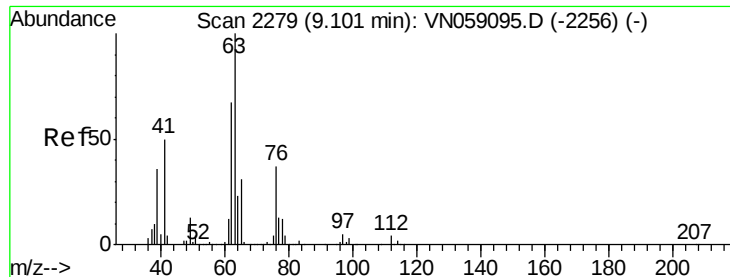
MMDadoda
11/14/2019 10:00:11 AM



#44
Trichloroethene
Concen: 20.388 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	206.4





#45

1,2-Dichloropropane

Concen: 20.268 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 63 Resp: 96543

Ion Ratio Lower Upper

63 100

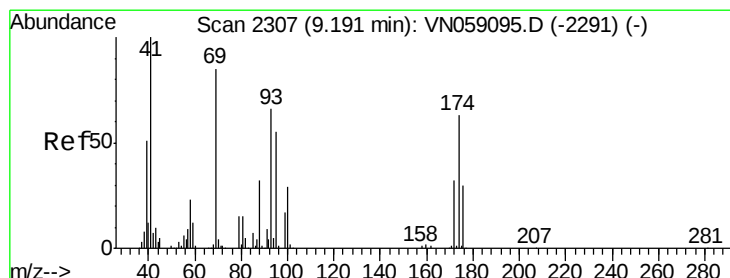
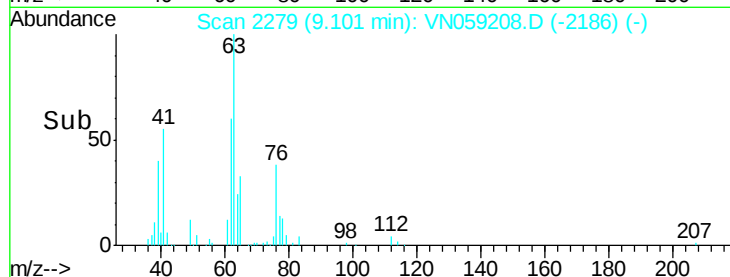
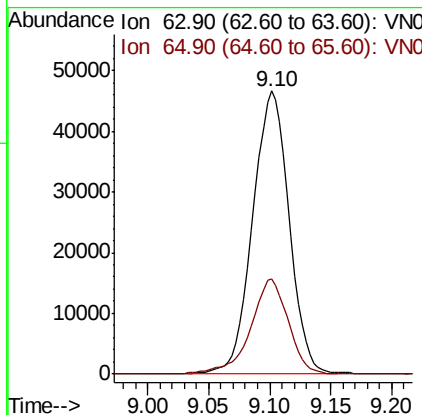
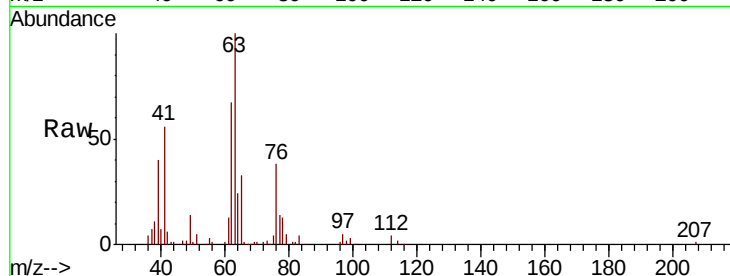
65 33.5 24.6 37.0

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#46

Dibromomethane

Concen: 20.491 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

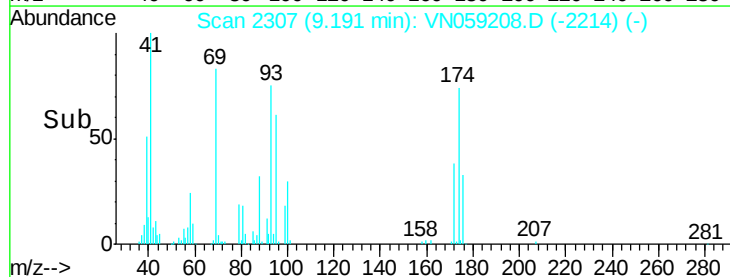
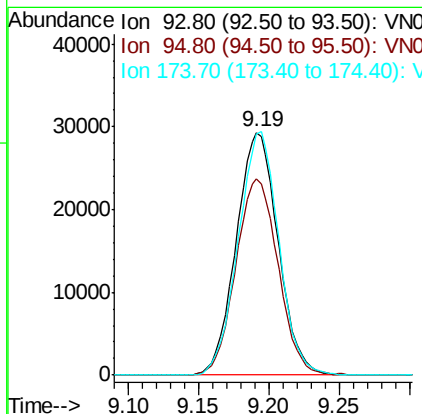
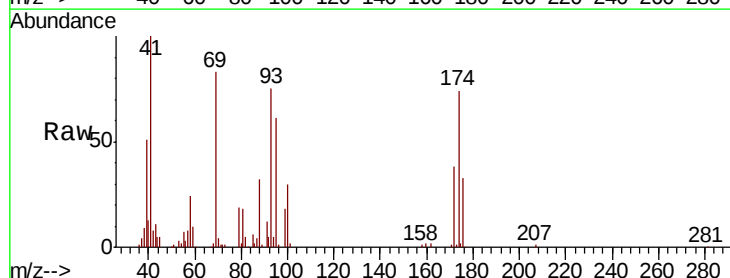
Tgt Ion: 93 Resp: 60823

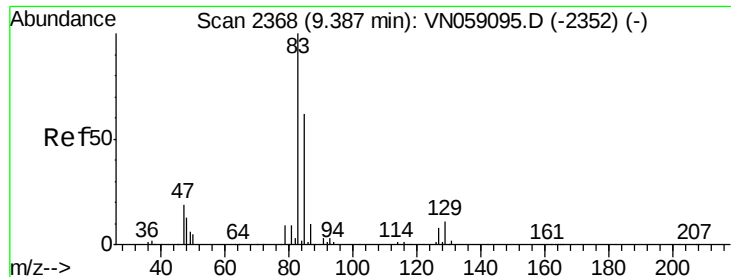
Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

174 97.4 78.2 117.2





#47

Bromodichloromethane

Concen: 20.789 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

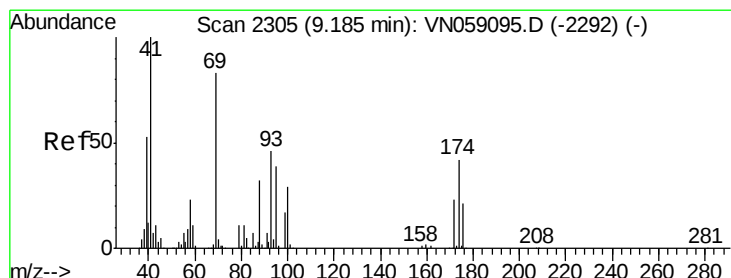
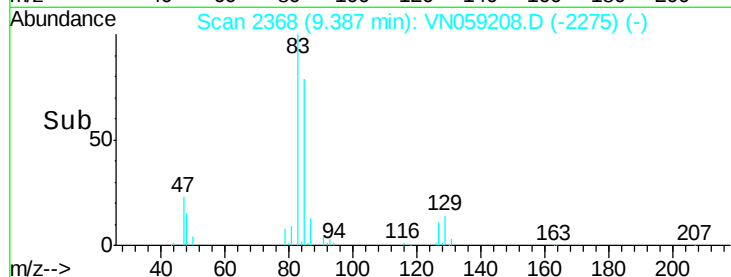
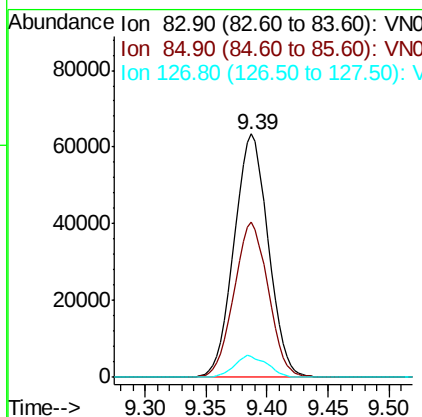
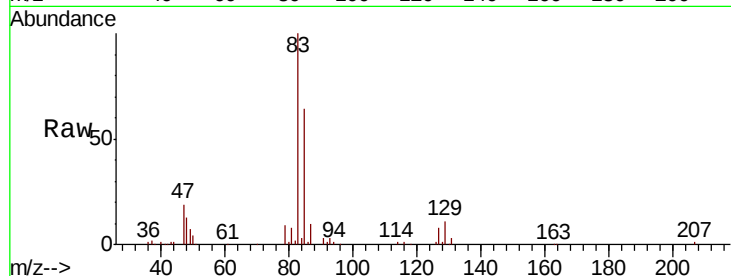
ClientSampleId :

VN1113WBS01

Tot Ion:	83	Resp:	123220
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.7	74.5
127	8.5	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.580 ug/l

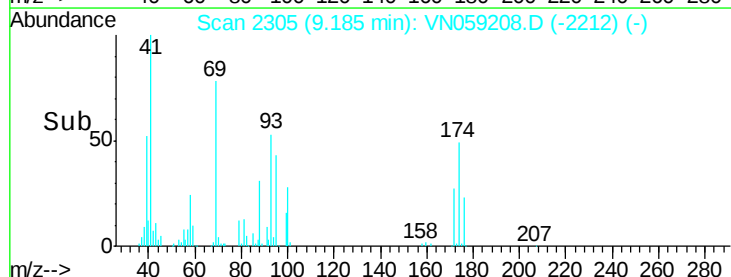
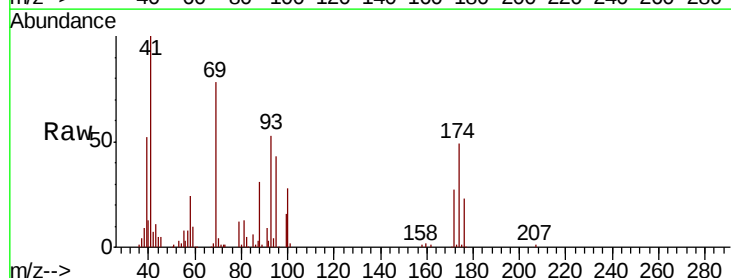
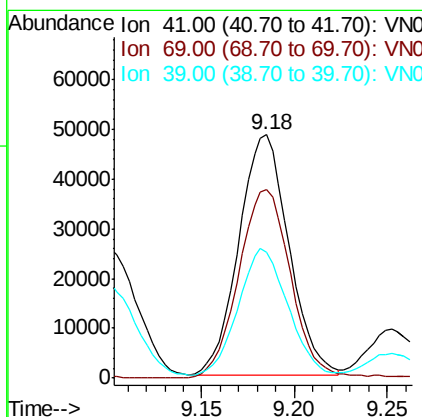
RT: 9.18 min Scan# 2305

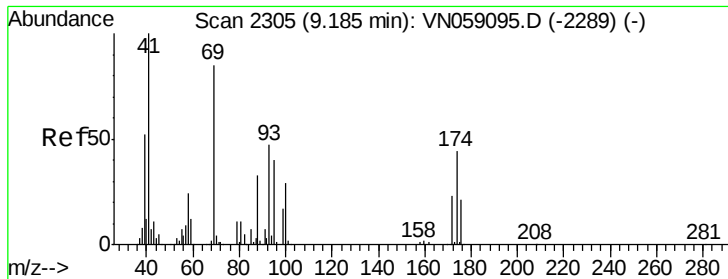
Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion:	41	Resp:	90457
Ion	Ratio	Lower	Upper
41	100		
69	81.7	67.3	100.9
39	54.0	43.3	64.9





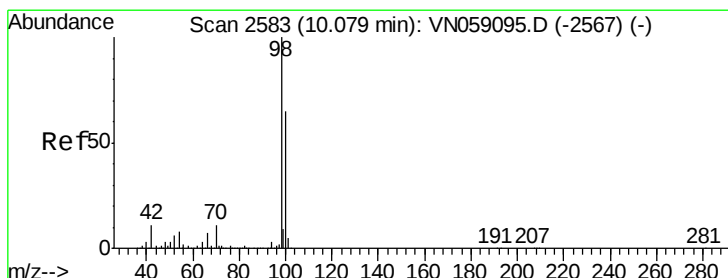
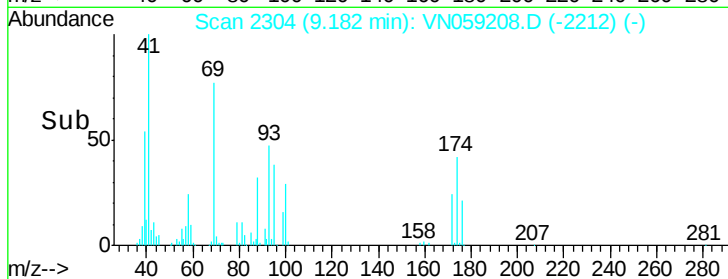
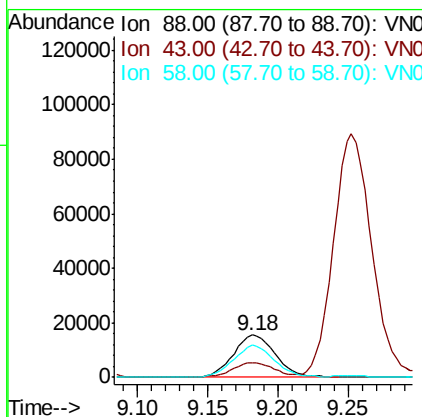
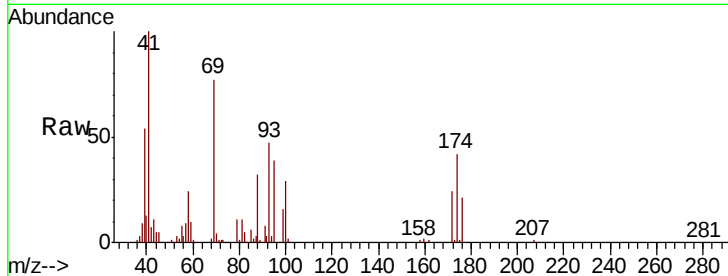
#49
1,4-Dioxane
Concen: 394.244 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.3	39.5
58	73.8	60.6	90.8

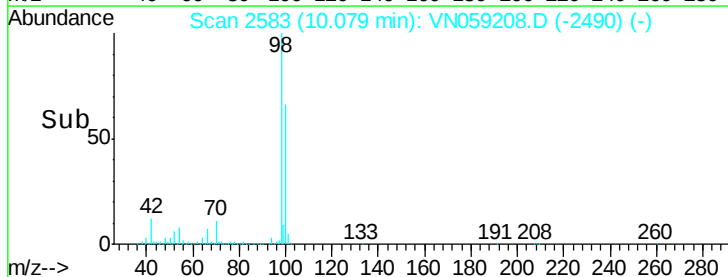
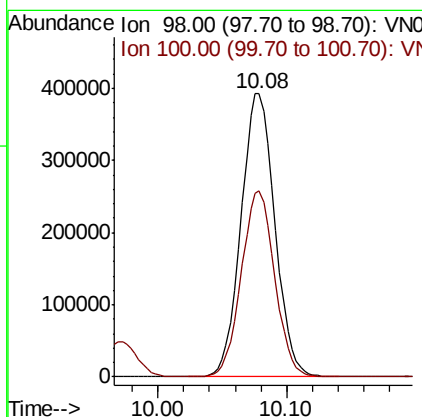
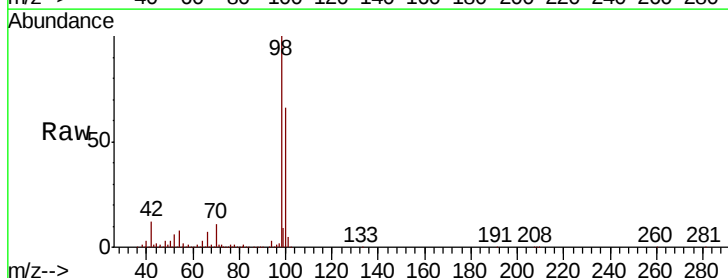
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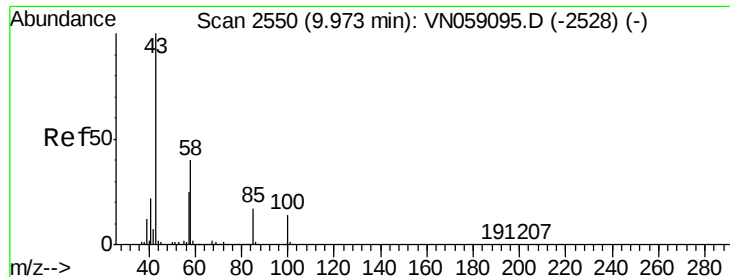
MMDadoda
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#50
Toluene-d8
Concen: 48.876 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





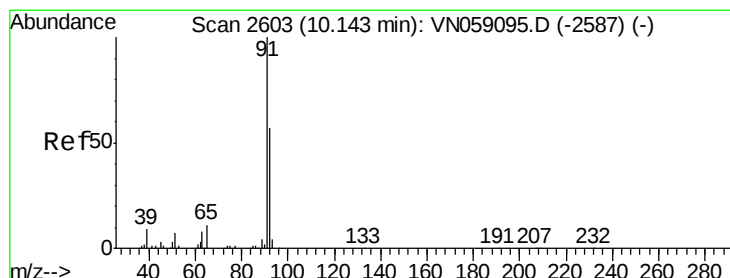
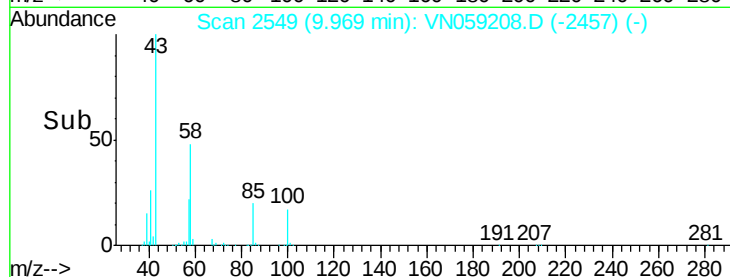
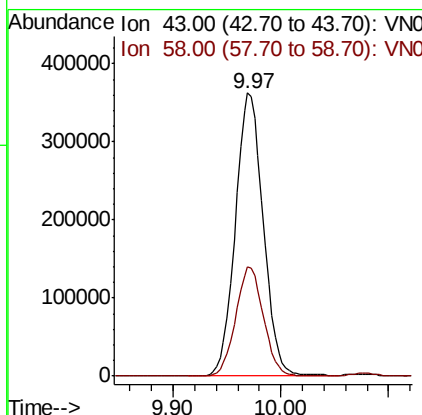
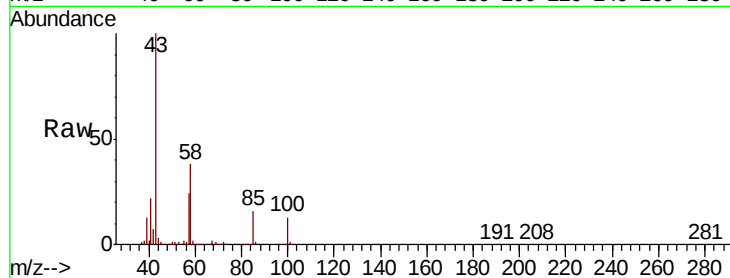
#51
4-Methyl-2-Pentanone
Concen: 111.915 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.5	47.3

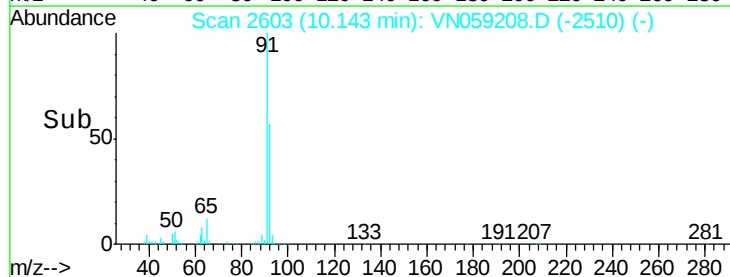
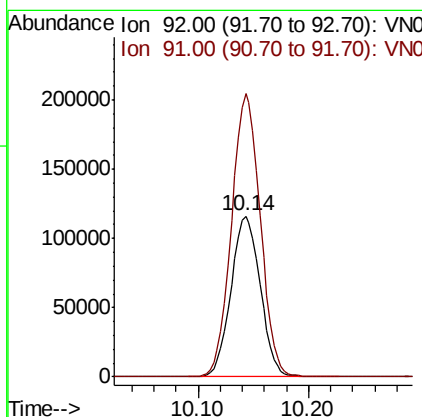
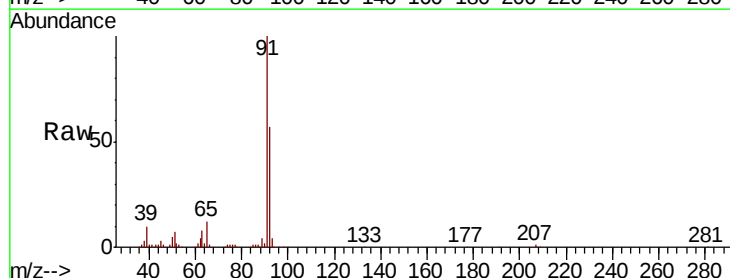
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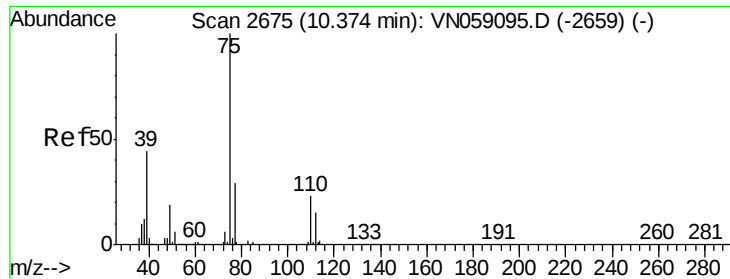
MMDadoda
11/14/2019 10:00:11 AM



#52
Toluene
Concen: 20.376 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.2	139.5	209.3





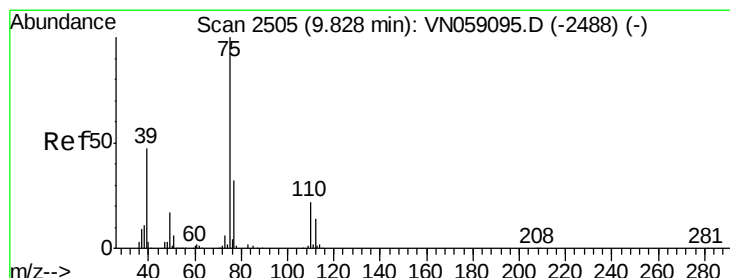
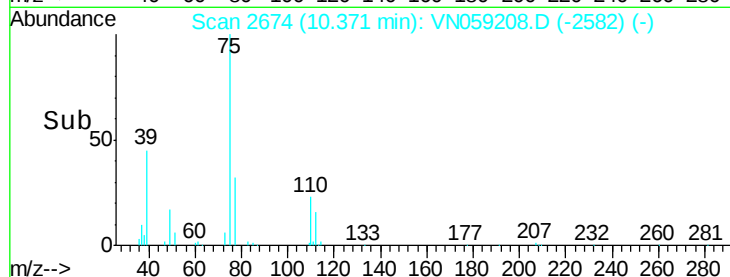
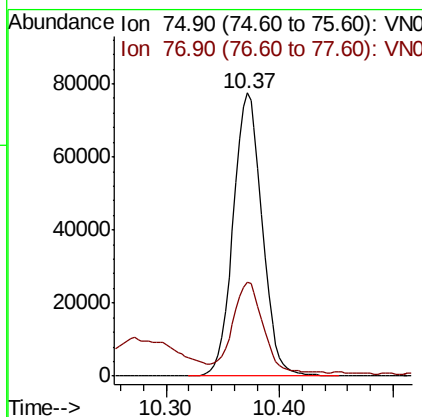
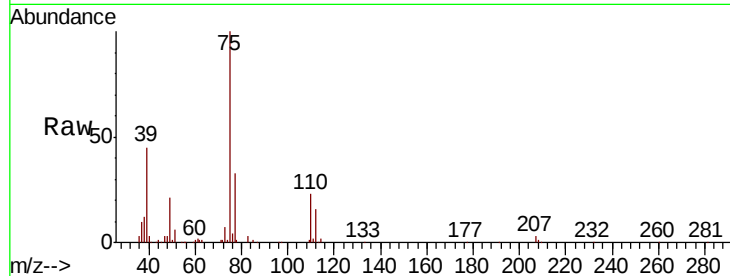
#53
t-1,3-Dichloropropene
Concen: 20.174 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9

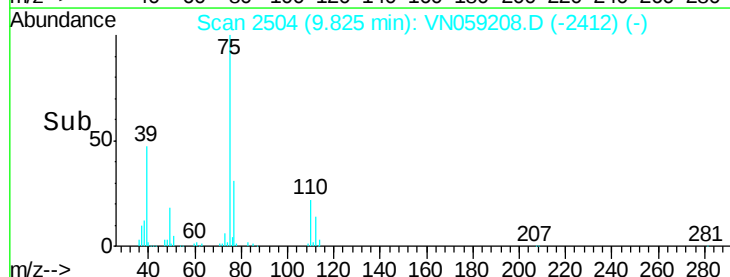
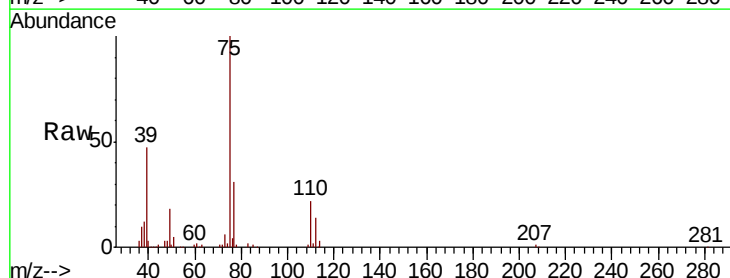
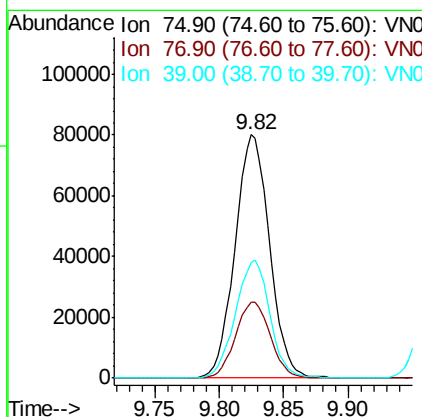
Manual Integrations
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MMDadoda
11/14/2019 10:00:11 AM



#54
cis-1,3-Dichloropropene
Concen: 20.225 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3
39	47.1	37.3	55.9





#55

1,1,2-Trichloroethane

Concen: 20.428 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

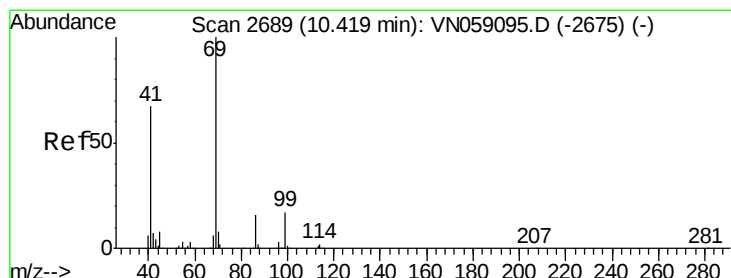
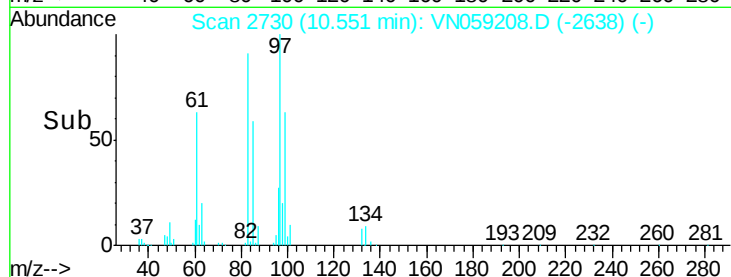
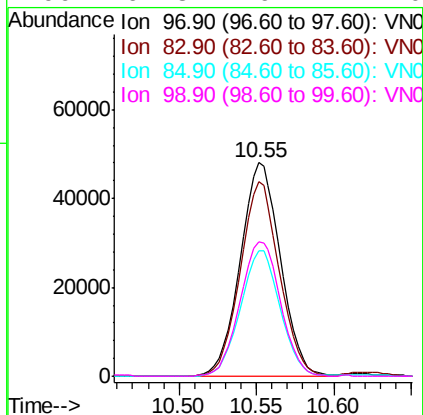
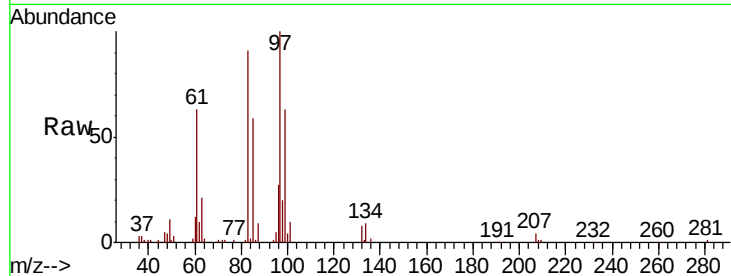
ClientSampleId :

VN1113WBS01

Tot Ion:	97	Resp:	86898
Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.0	106.4
85	58.6	45.8	68.8
99	62.8	49.4	74.0

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11/14/2019 10:00:11 AM



#56

Ethyl methacrylate

Concen: 18.844 ug/l

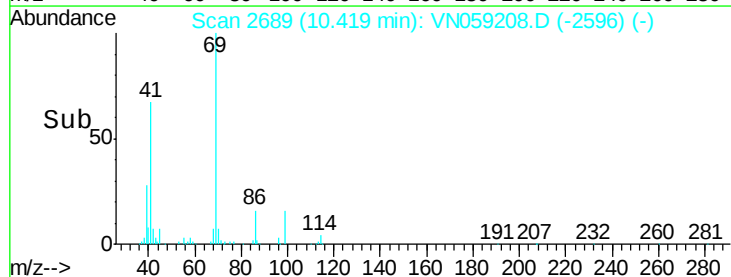
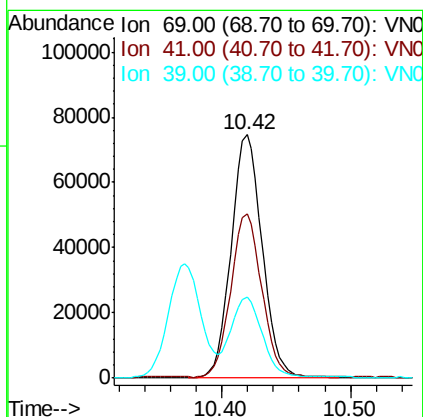
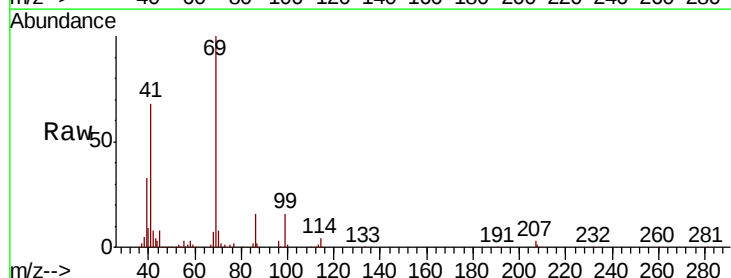
RT: 10.42 min Scan# 2689

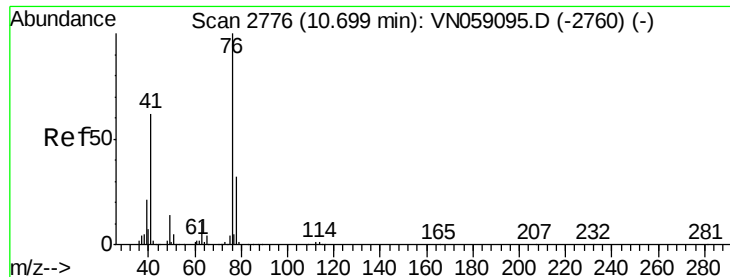
Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion:	69	Resp:	125097
Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.6	80.4
39	33.1	26.2	39.4





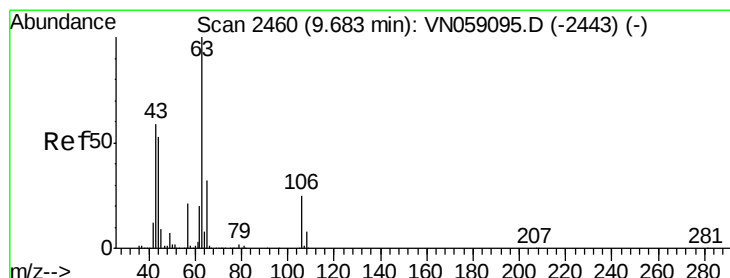
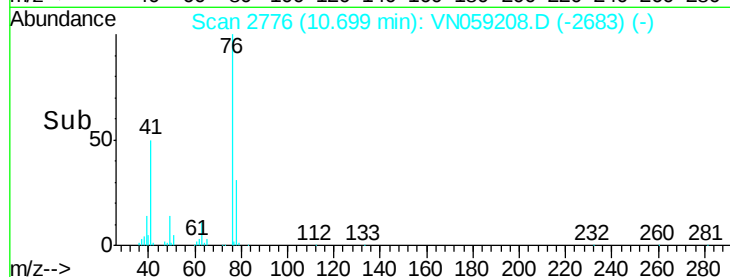
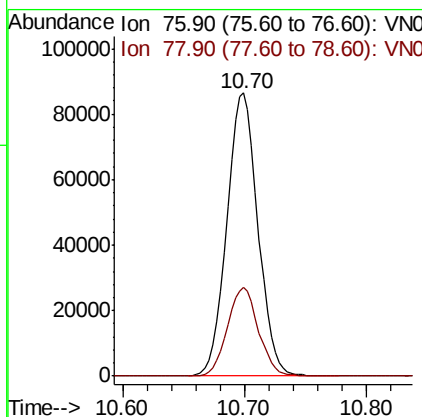
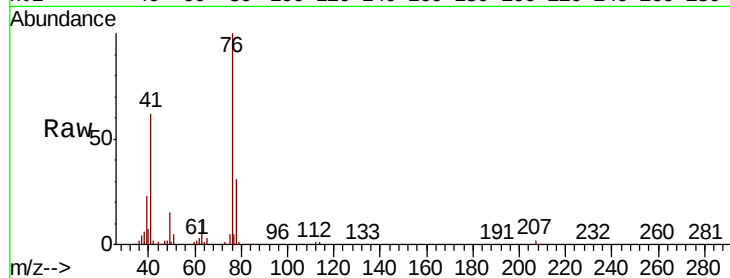
#57
 1,3-Dichloropropane
 Concen: 20.977 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8

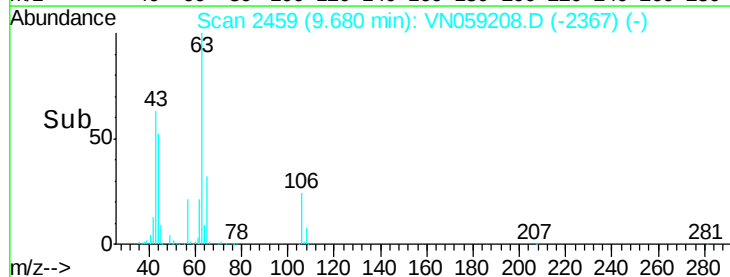
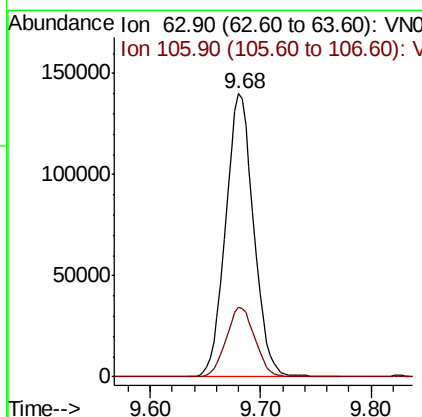
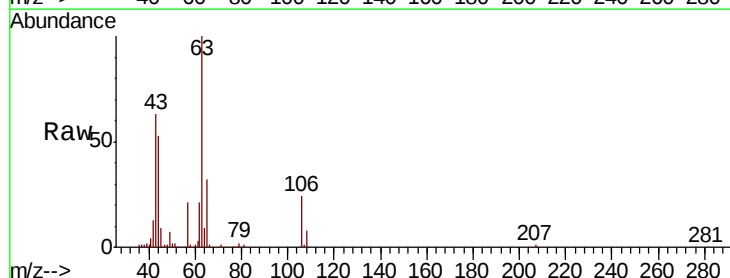
Manual Integrations
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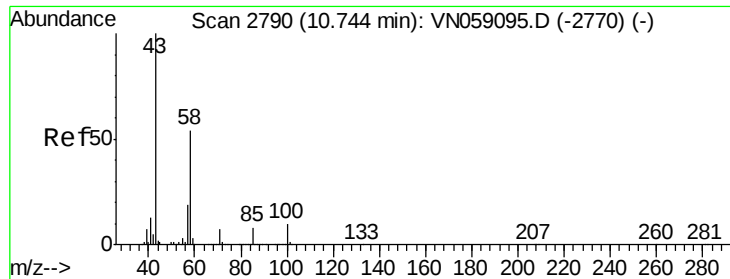
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 11/14/2019 10:00:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.419 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.2	30.2





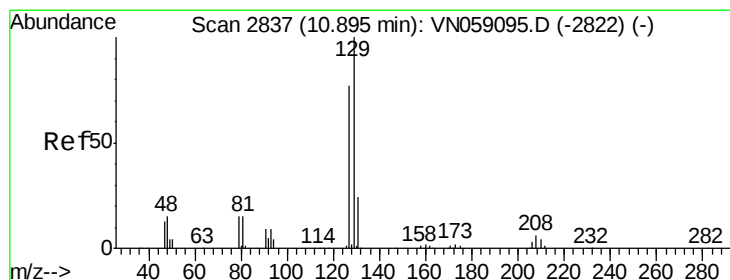
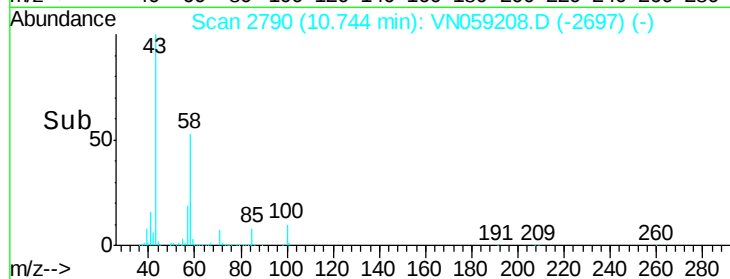
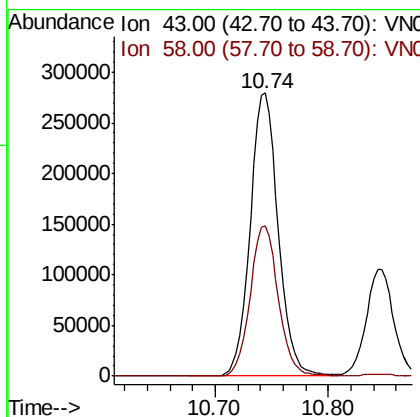
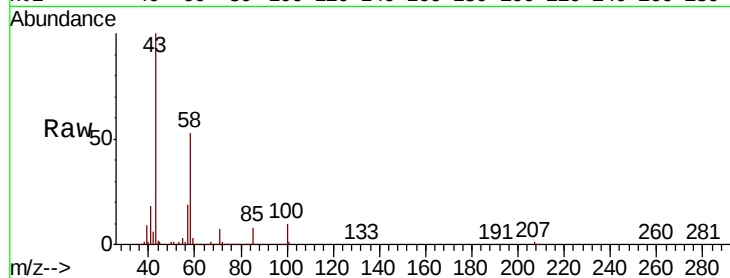
#59
2-Hexanone
Concen: 107.237 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	43	Resp	481020
Ion Ratio	100	Lower	Upper
43	100		
58	53.4	27.3	81.8

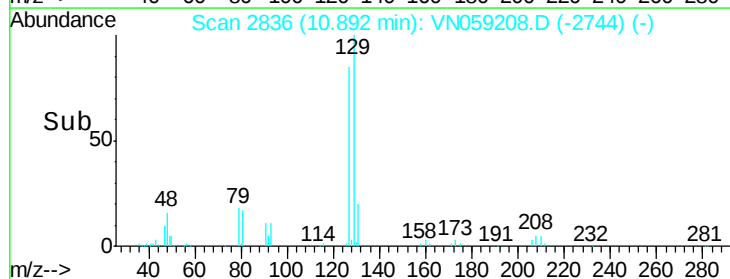
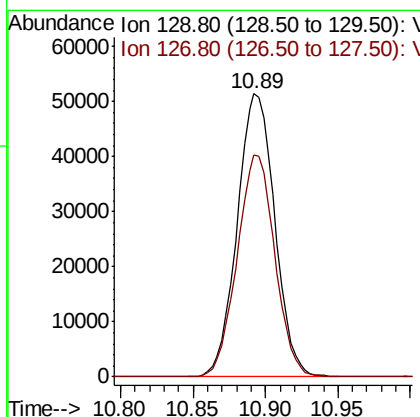
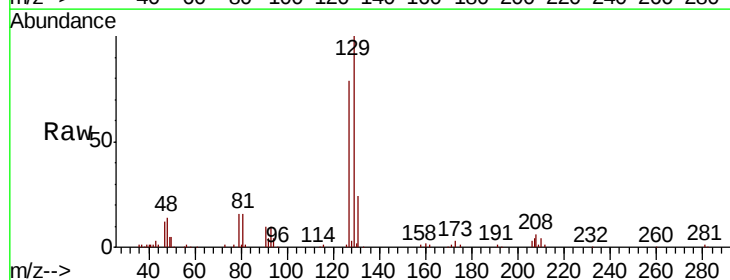
Manual Integrations
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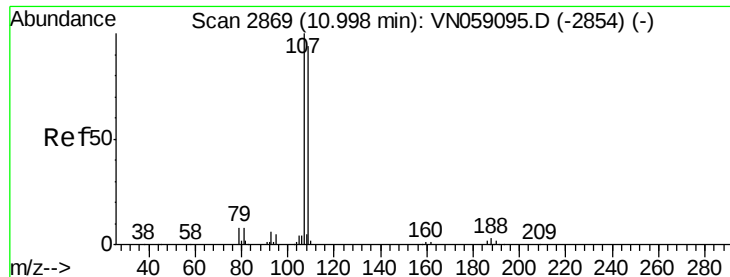
MMDadoda
11/14/2019 10:00:11 AM



#60
Dibromochloromethane
Concen: 20.570 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	129	Resp	92514
Ion Ratio	100	Lower	Upper
129	100		
127	78.7	38.6	115.8





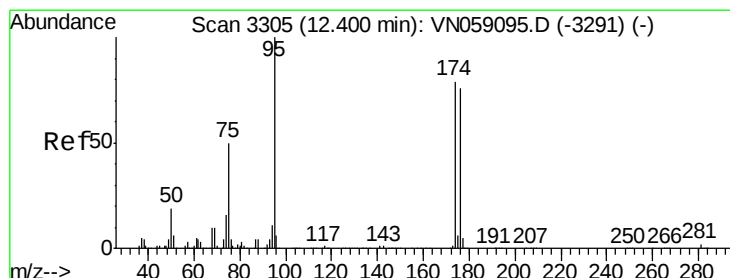
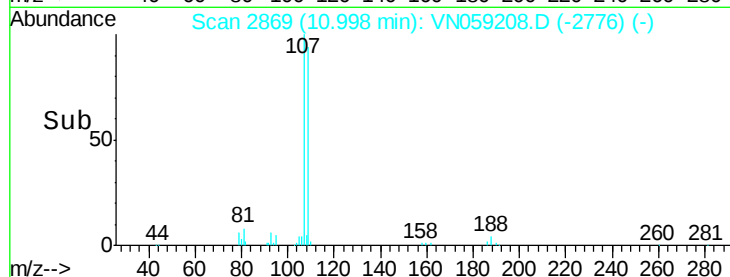
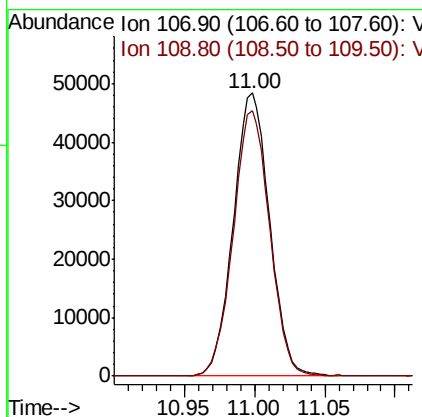
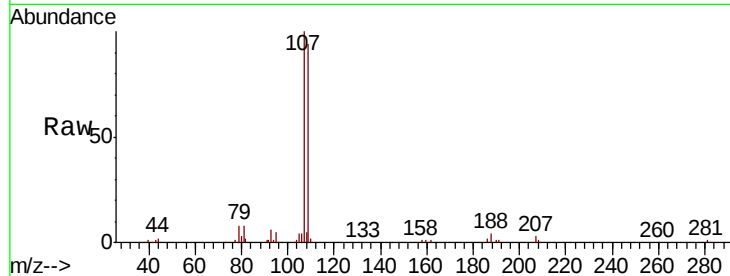
#61
 1,2-Dibromoethane
 Concen: 20.283 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.5	113.3

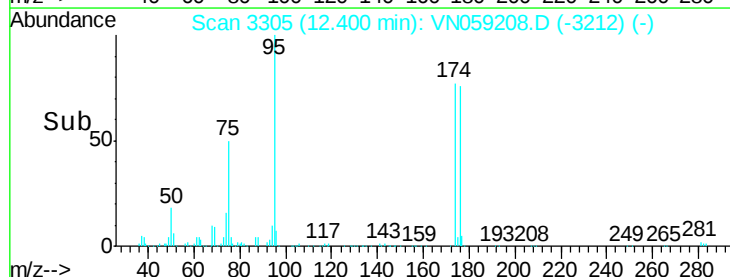
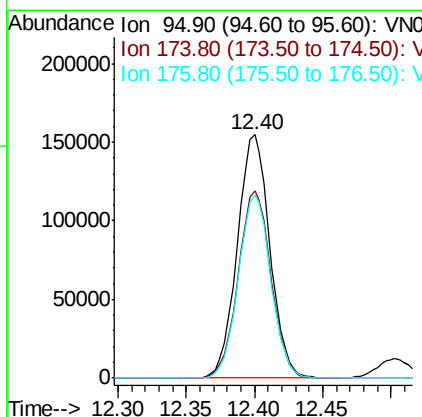
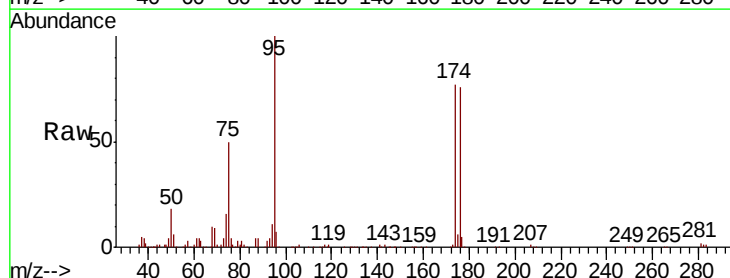
Manual Integrations
 APPROVED

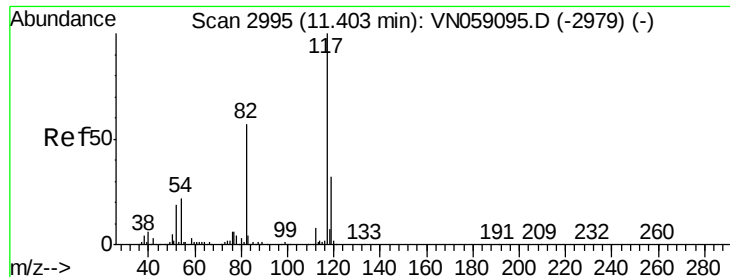
MMDadoda
 11/14/2019 10:00:11 AM



#62
 4-Bromofluorobenzene
 Concen: 48.442 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	158.2
176	75.4	0.0	151.8





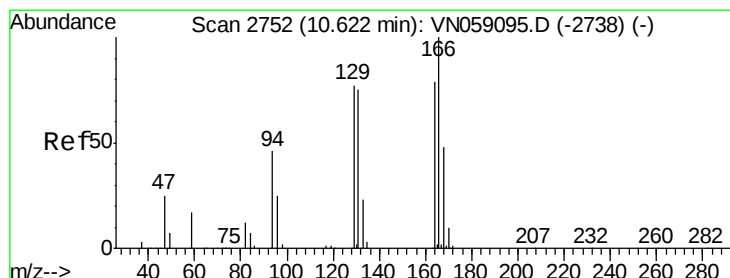
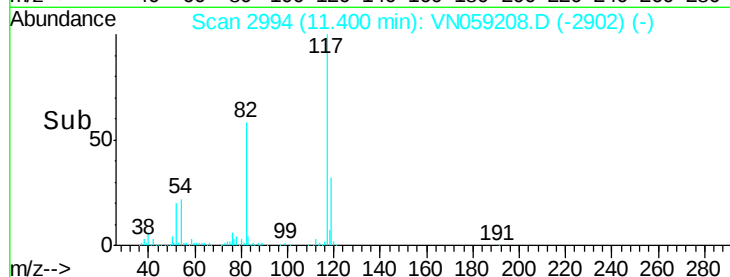
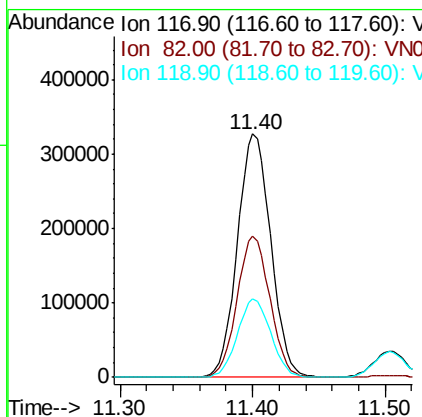
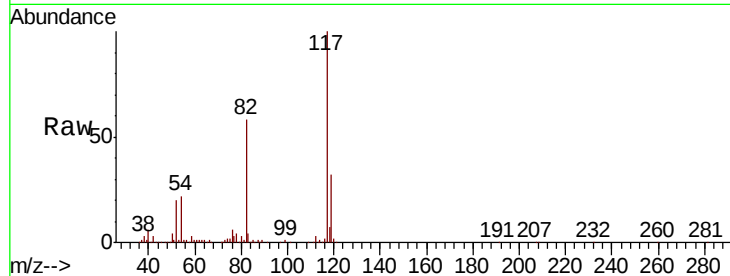
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.8	68.8
119	32.2	25.8	38.6

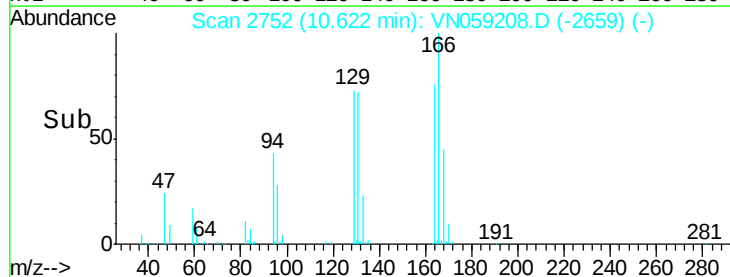
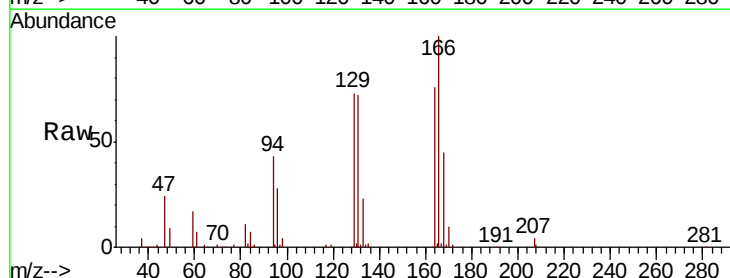
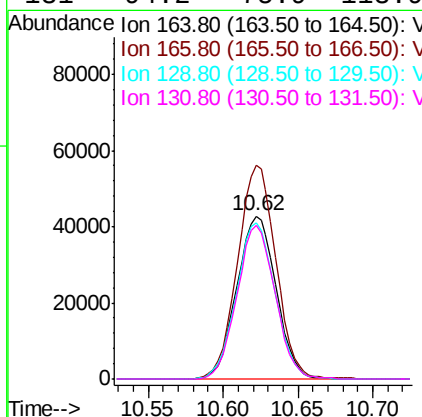
Manual Integrations
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11/14/2019 10:00:11 AM



#64
Tetrachloroethene
Concen: 20.064 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.5	152.3
129	95.6	78.3	117.5
131	94.2	75.9	113.9





#65

Chlorobenzene

Concen: 20.121 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion:112 Resp: 224656

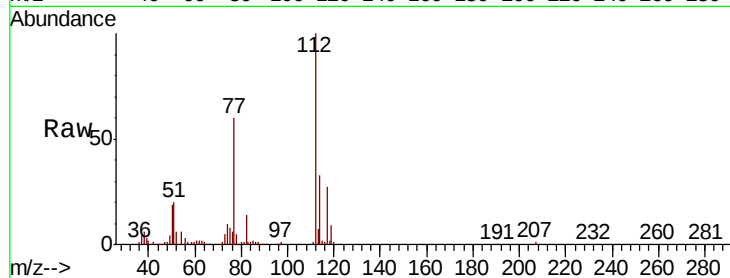
Ion Ratio Lower Upper

112 100

114 32.5 25.2 37.8

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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

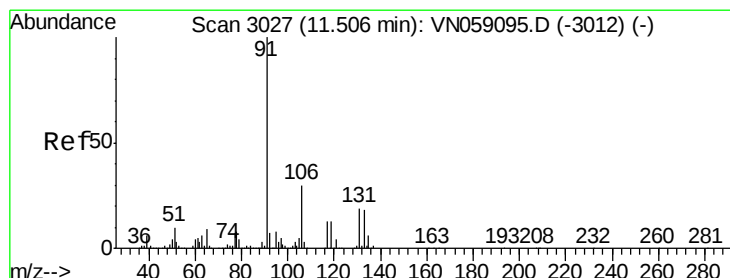
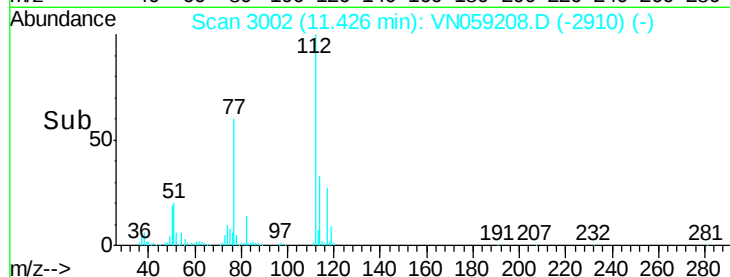
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.446 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

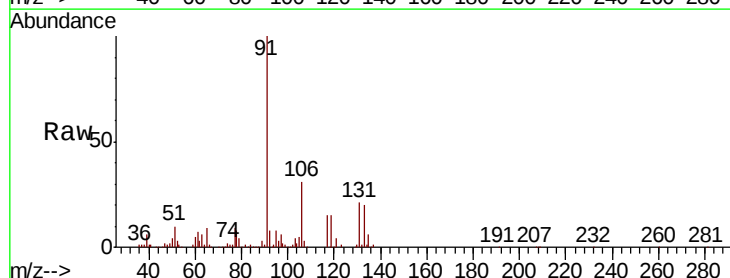
Tgt Ion:131 Resp: 85637

Ion Ratio Lower Upper

131 100

133 97.5 47.4 142.3

119 68.0 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

80000

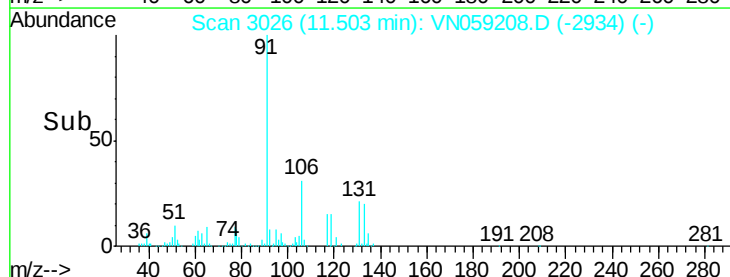
60000

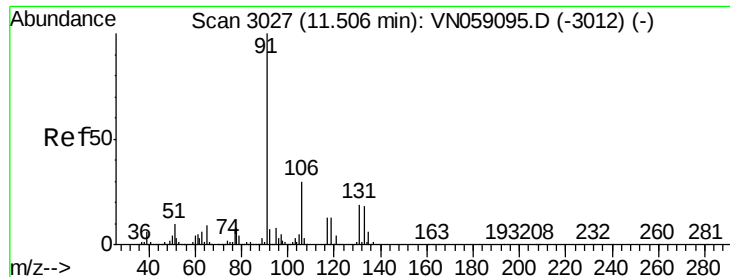
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 20.142 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 91 Resp: 399012

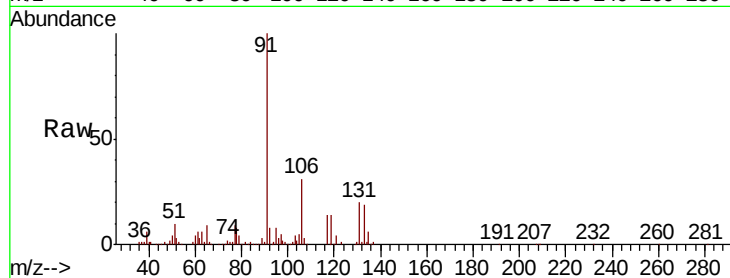
Ion Ratio Lower Upper

91 100

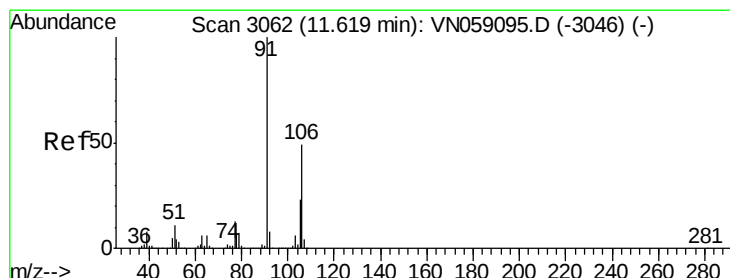
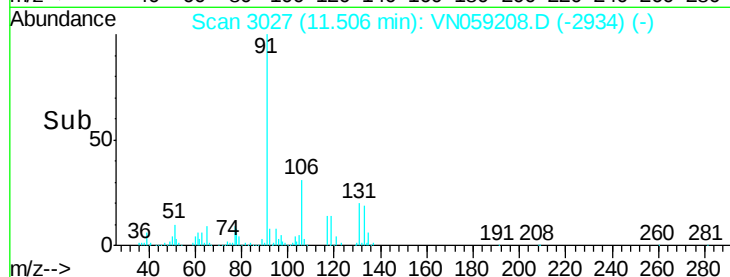
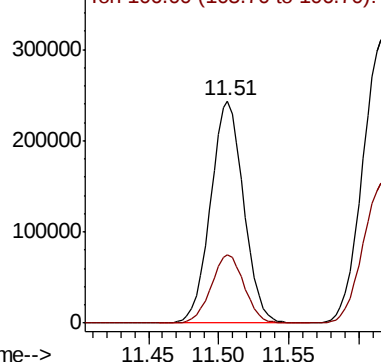
106 31.0 24.1 36.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059208.D (-2934) (-)



#68

m/p-Xylenes

Concen: 40.434 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059208.D

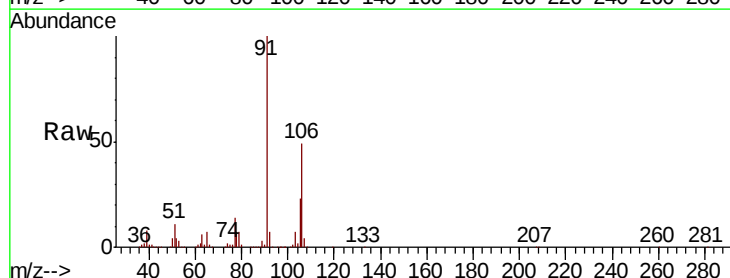
Acq: 13 Nov 2019 10:06

Tgt Ion: 106 Resp: 300045

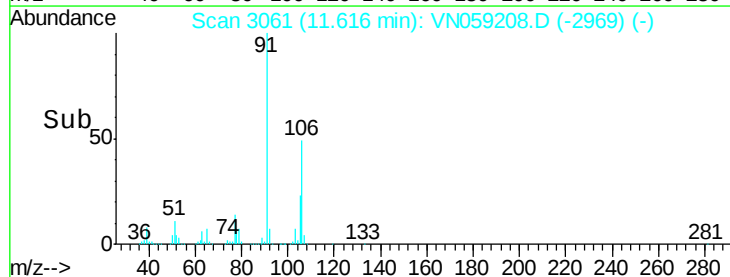
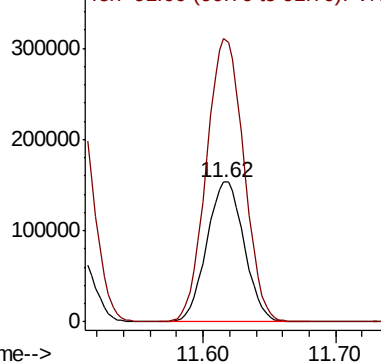
Ion Ratio Lower Upper

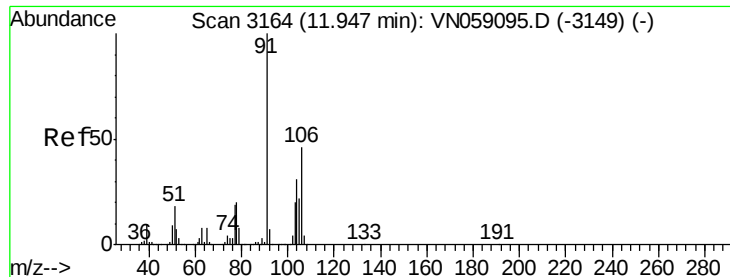
106 100

91 202.9 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059208.D (-2969) (-)





#69

o-Xylene

Concen: 19.878 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion:106 Resp: 142550

Ion Ratio Lower Upper

106 100

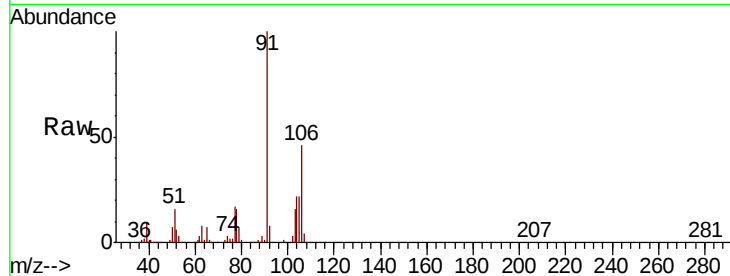
91 214.6 110.1 330.3

Manual Integrations

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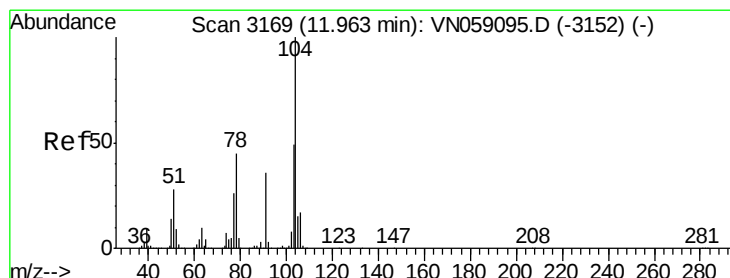
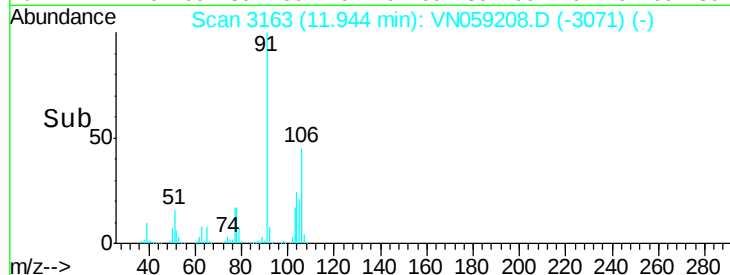
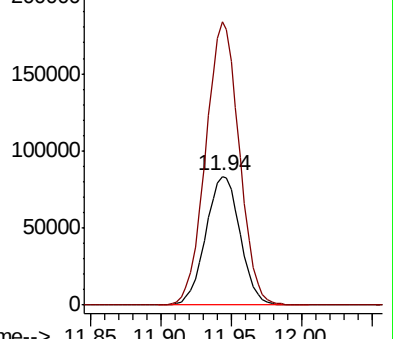
MMDadoda

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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: 19.706 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

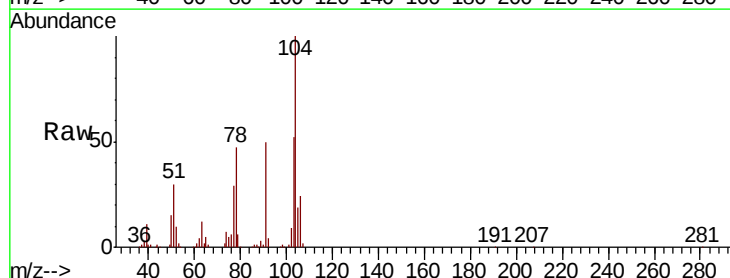
Tgt Ion:104 Resp: 222253

Ion Ratio Lower Upper

104 100

78 51.8 41.2 61.8

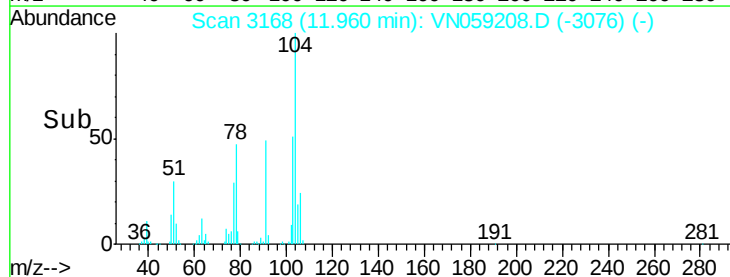
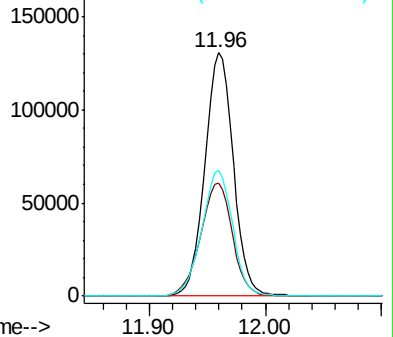
103 56.0 43.8 65.6

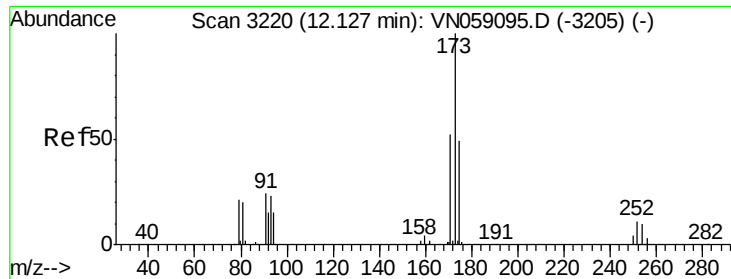


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.204 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

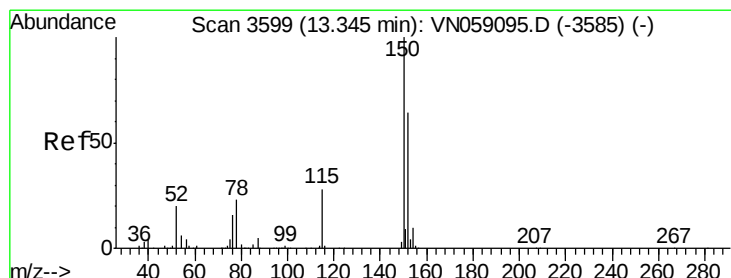
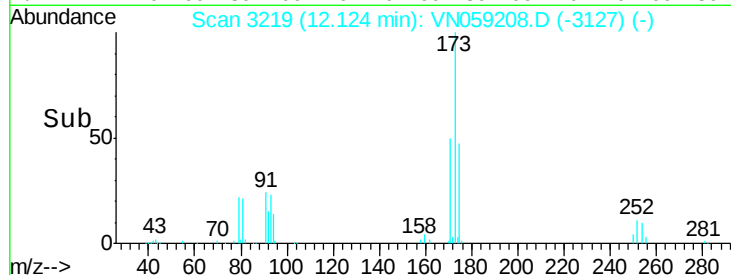
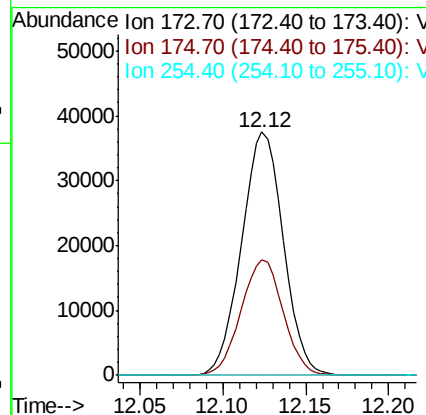
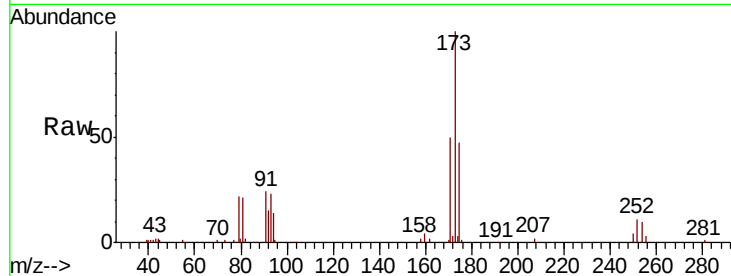
ClientSampleId :

VN1113WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	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

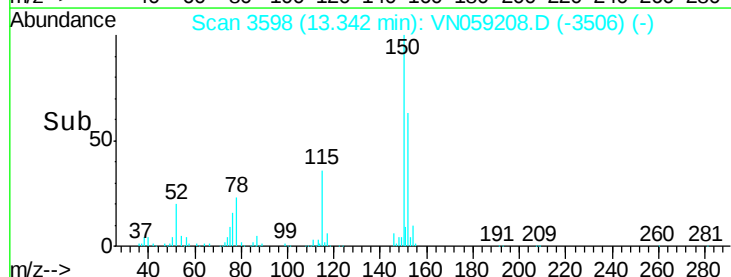
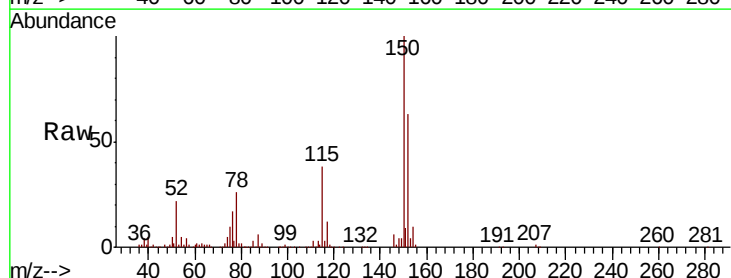
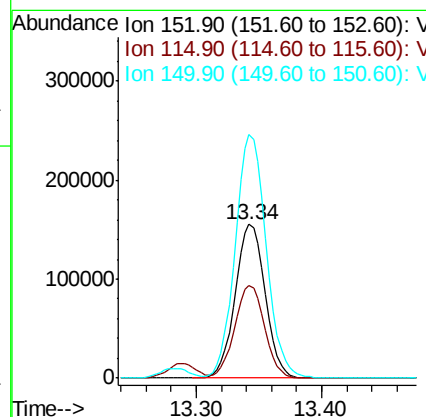
RT: 13.34 min Scan# 3598

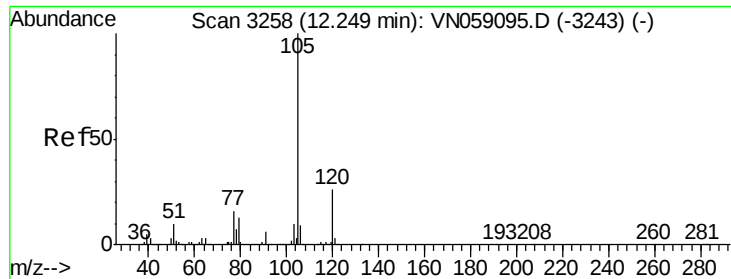
Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.4	88.2
150	163.4	0.0	345.8





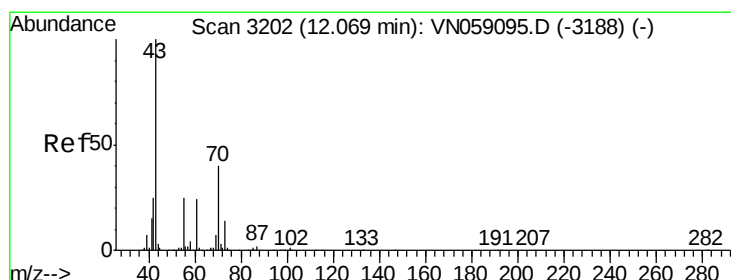
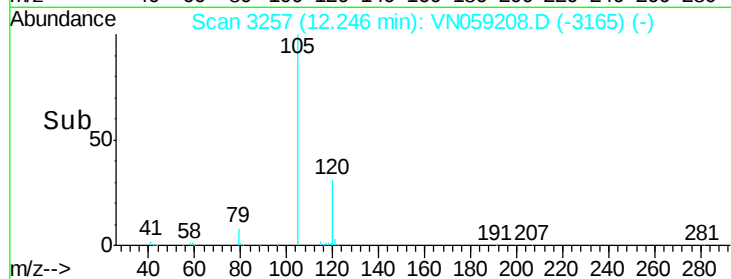
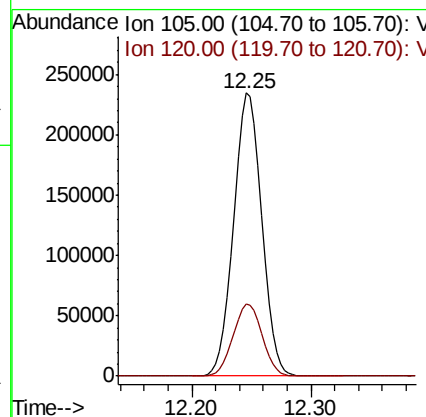
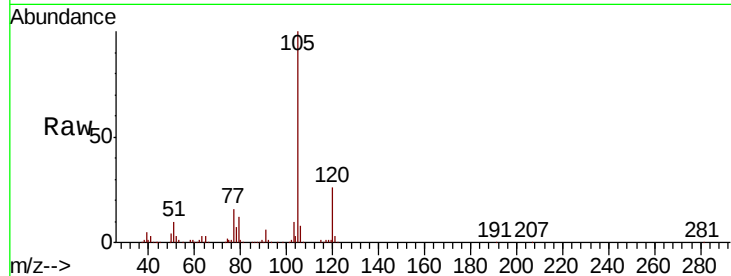
#73
Isopropylbenzene
Concen: 20.485 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.1	39.3

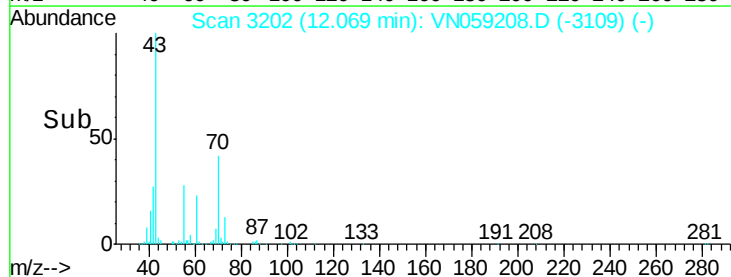
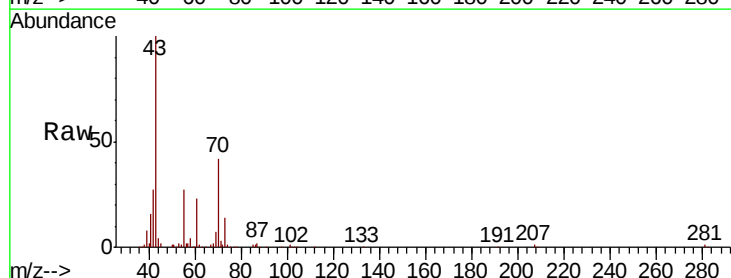
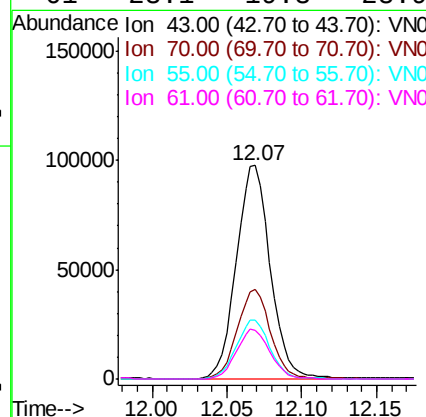
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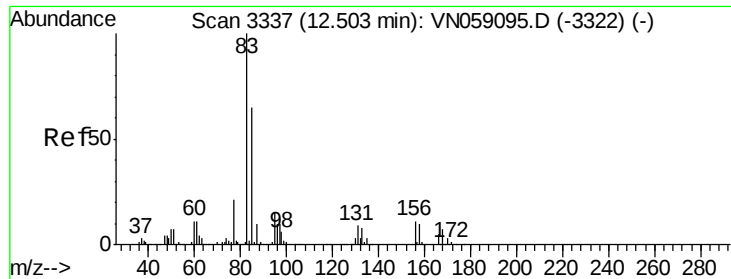
MMDadoda
11/14/2019 10:00:11 AM



#74
N-ethyl acetate
Concen: 19.374 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	32.2	48.4
55	27.6	20.4	30.6
61	23.1	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.270 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

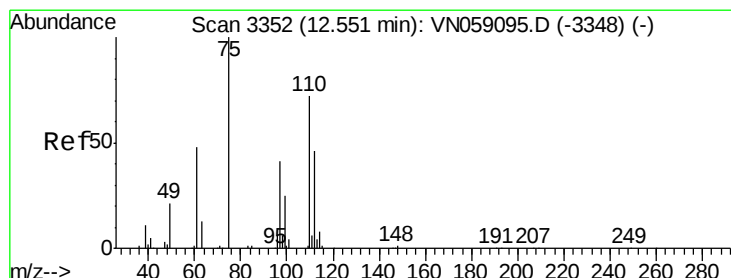
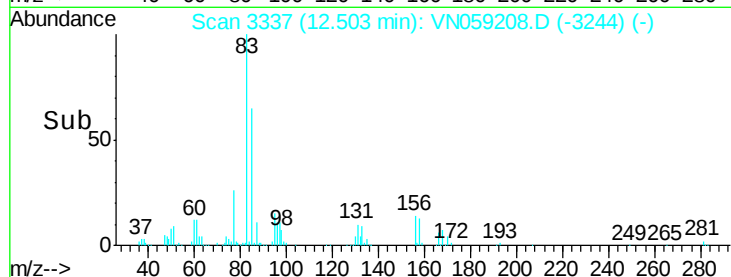
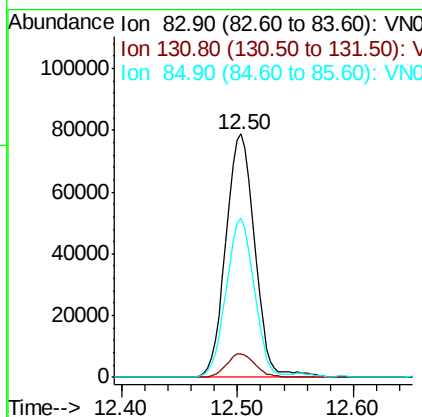
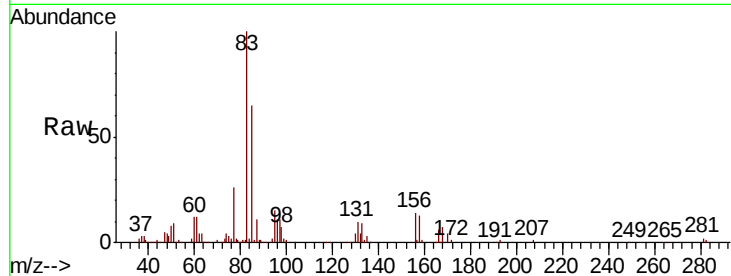
ClientSampleId :

VN1113WBS01

Tot Ion:	83	Resp:	135920
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	63.2	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 21.399 ug/l m

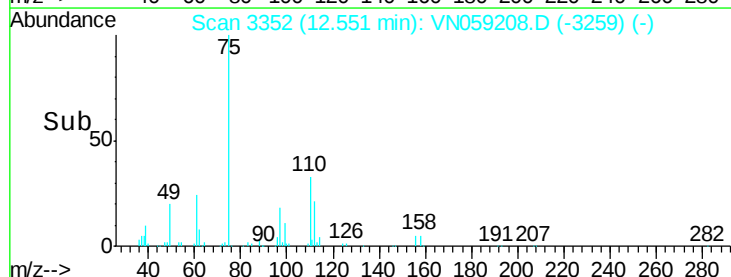
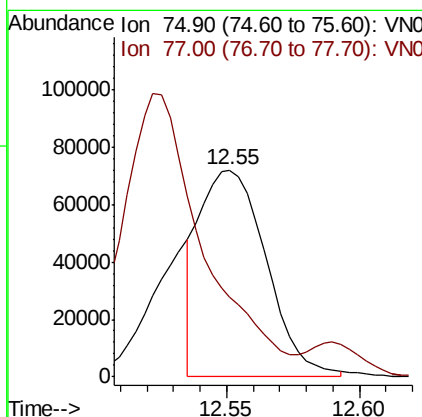
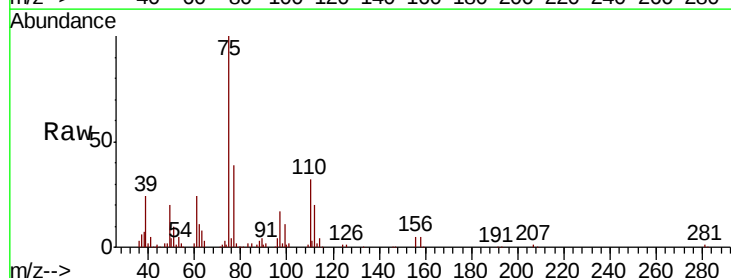
RT: 12.55 min Scan# 3352

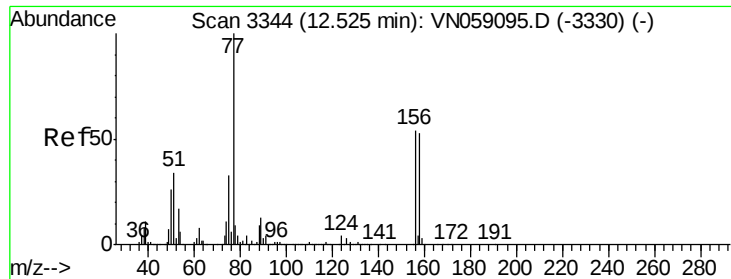
Delta R.T. 0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion:	75	Resp:	125675
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





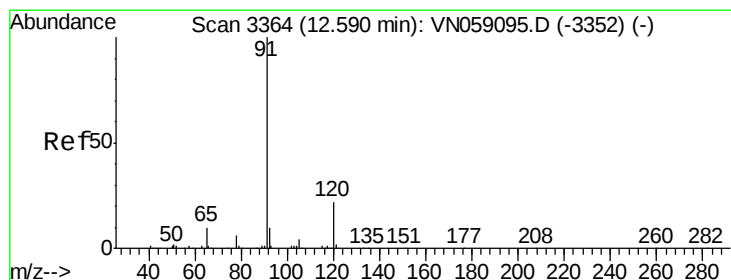
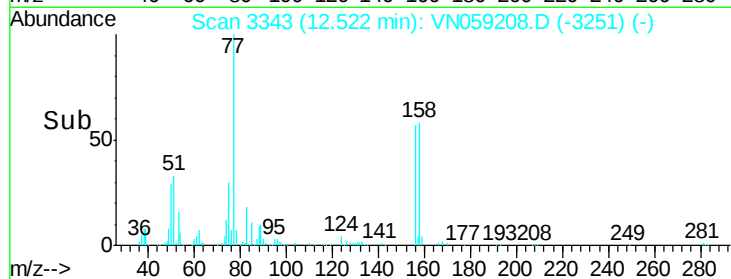
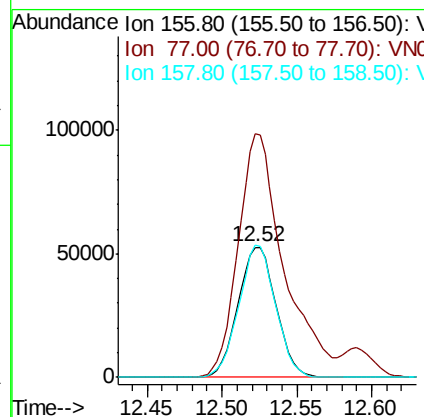
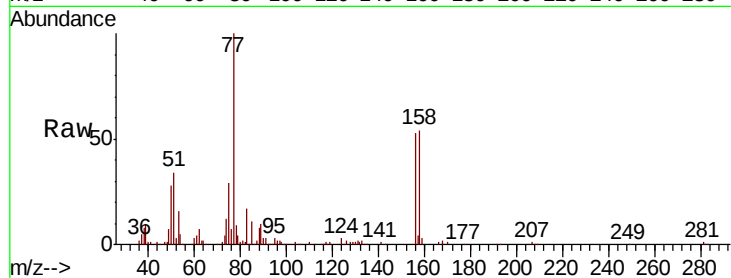
#77
Bromobenzene
Concen: 19.730 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	226.0	112.8	338.3
158	98.0	48.4	145.3

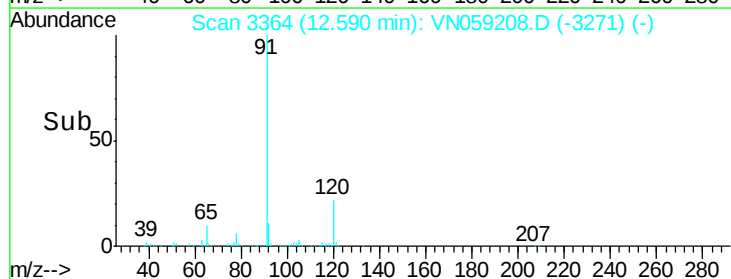
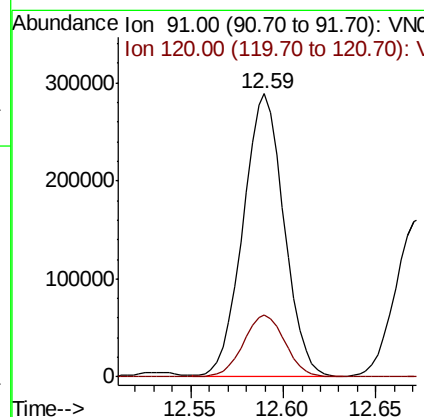
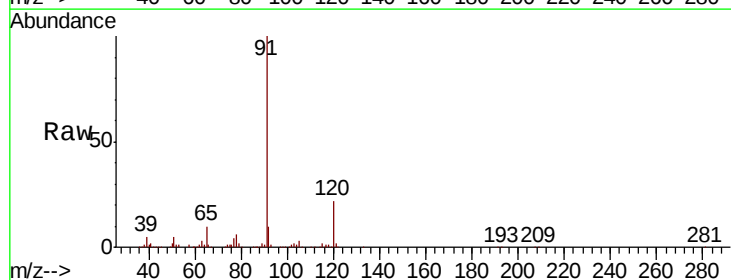
Manual Integrations
APPROVED

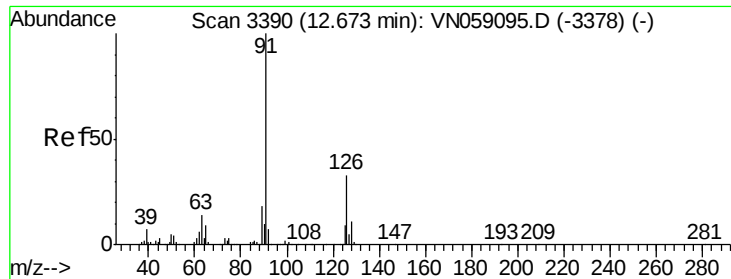
MMDadoda
11/14/2019 10:00:11 AM



#78
n-propylbenzene
Concen: 20.549 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





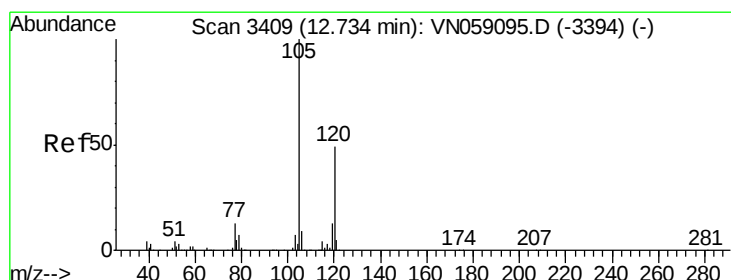
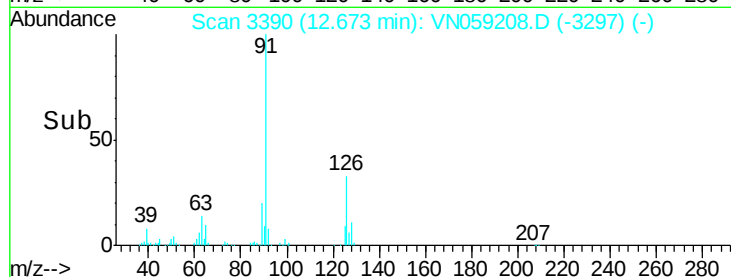
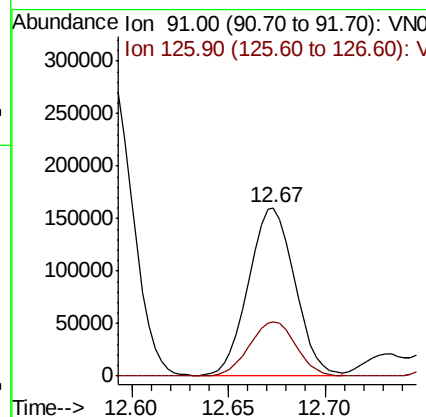
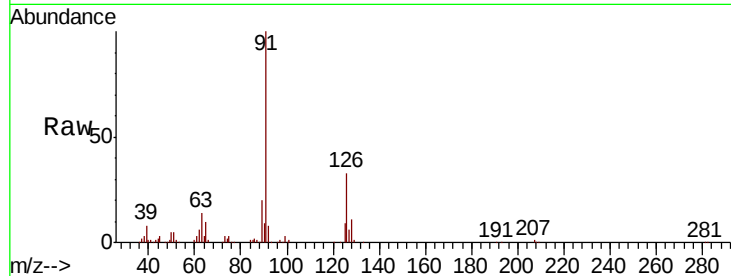
#79
2-Chlorotoluene
Concen: 19.976 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 91 Resp: 266242
Ion Ratio Lower Upper
91 100
126 32.9 16.7 50.1

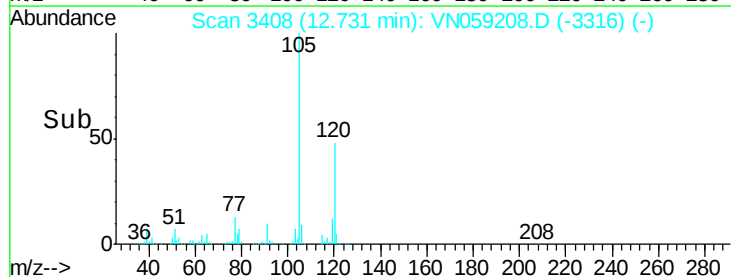
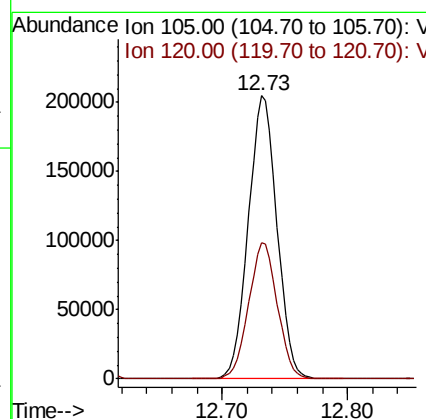
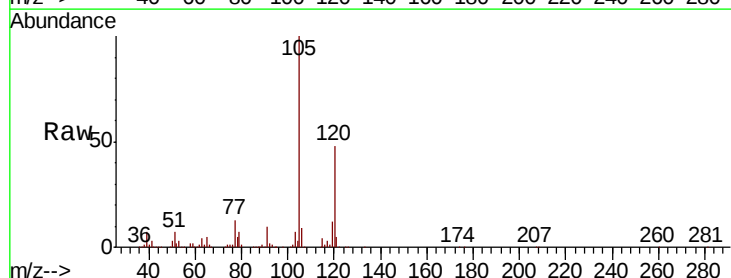
Manual Integrations
APPROVED

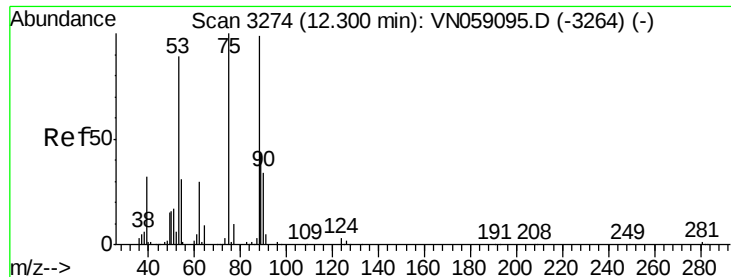
MMDadoda
11/14/2019 10:00:11 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.465 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion: 105 Resp: 325400
Ion Ratio Lower Upper
105 100
120 48.2 24.0 72.0





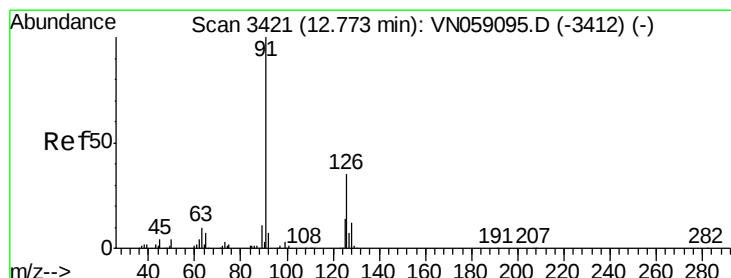
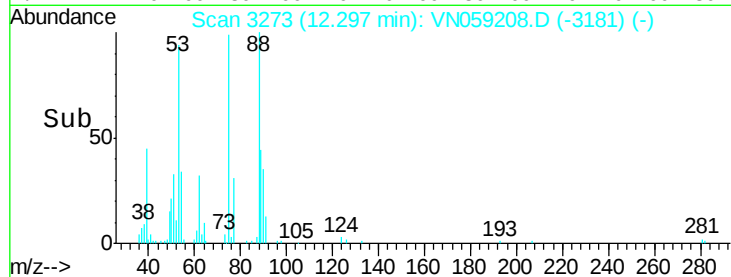
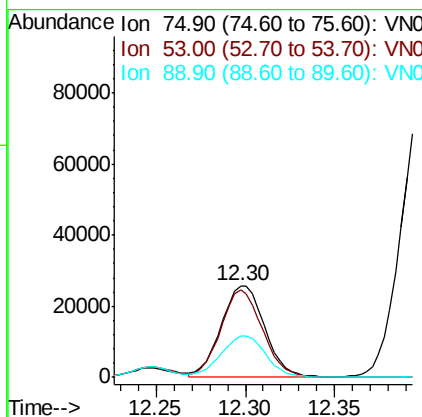
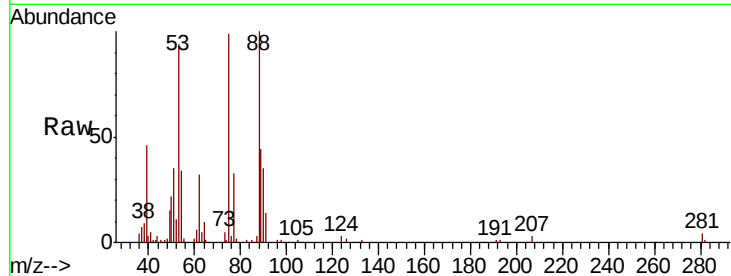
#81
trans-1,4-Dichloro-2-butene
Concen: 19.669 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	72.2	108.2
89	46.6	35.8	53.8

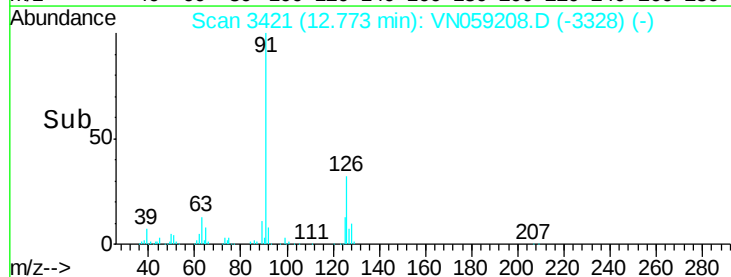
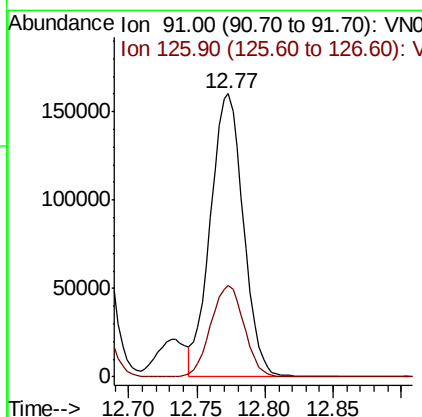
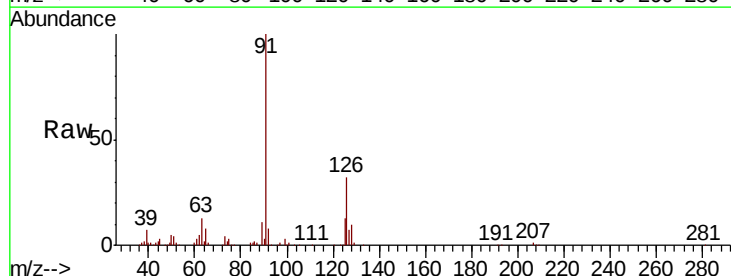
Manual Integrations
APPROVED

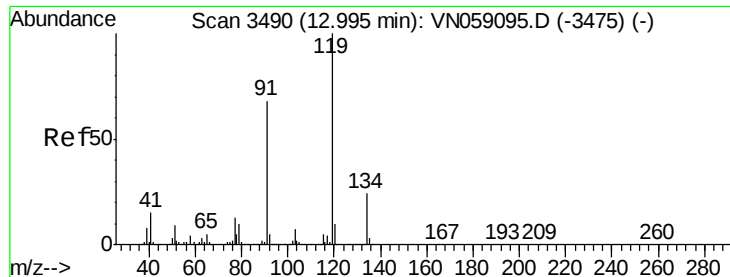
MMDadoda
11/14/2019 10:00:11 AM



#82
4-Chlorotoluene
Concen: 20.038 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.2





#83

tert-Butylbenzene

Concen: 20.034 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

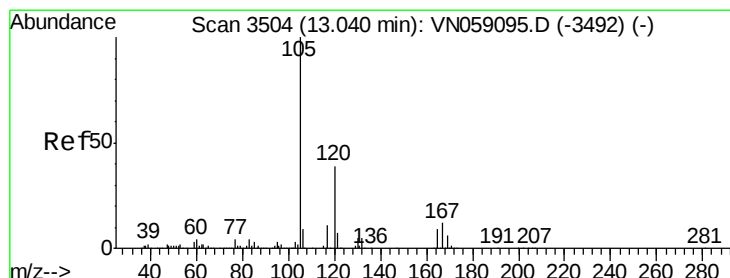
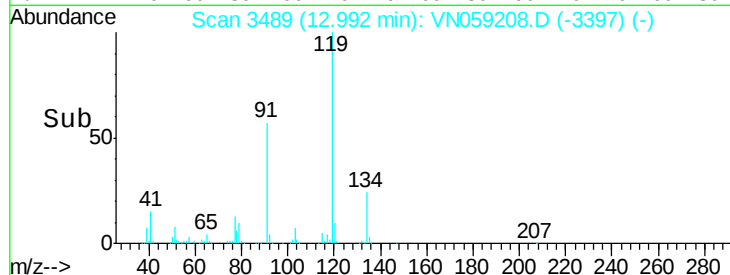
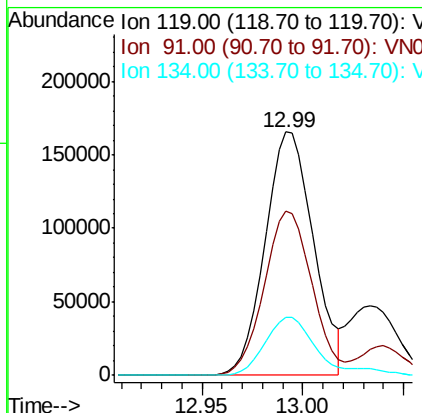
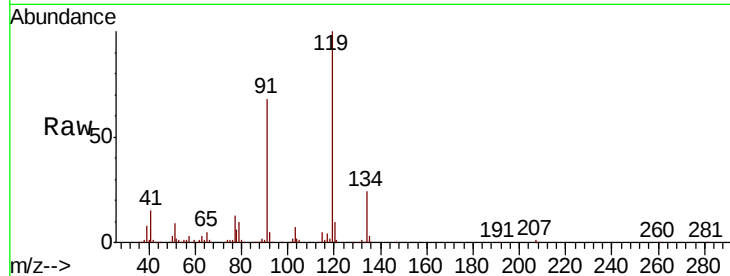
ClientSampleId :

VN1113WBS01

Tot Ion:	119	Resp:	275087
Ion Ratio	Lower	Upper	
119	100		
91	66.9	33.2	99.6
134	24.1	12.7	38.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.543 ug/l

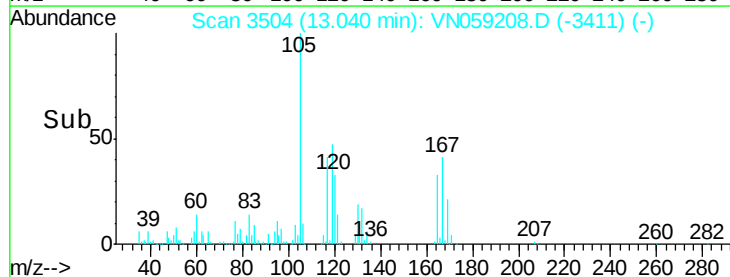
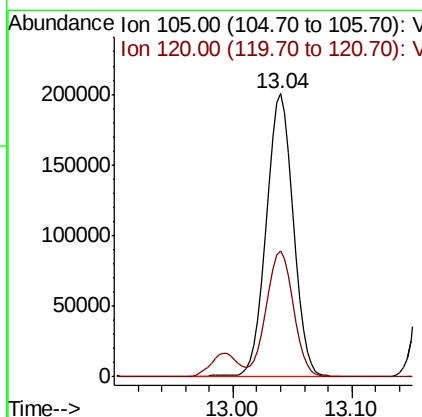
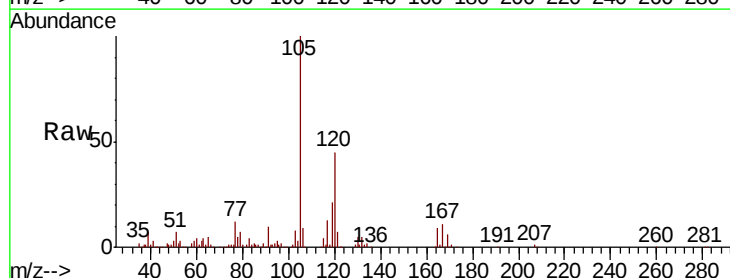
RT: 13.04 min Scan# 3504

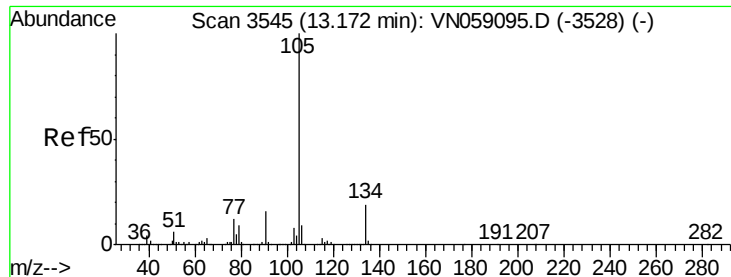
Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion:	105	Resp:	316018
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.8	68.4





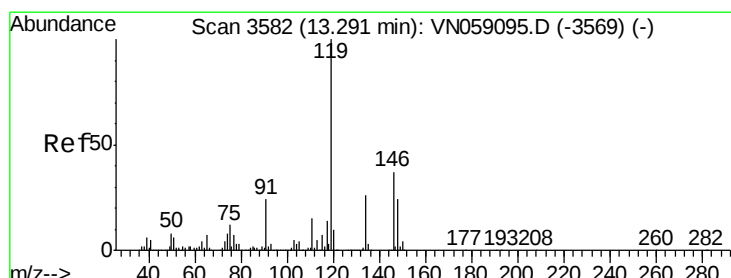
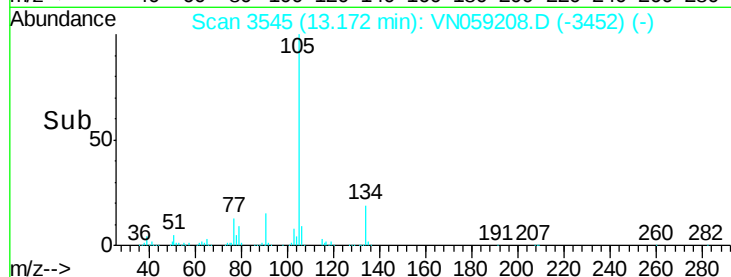
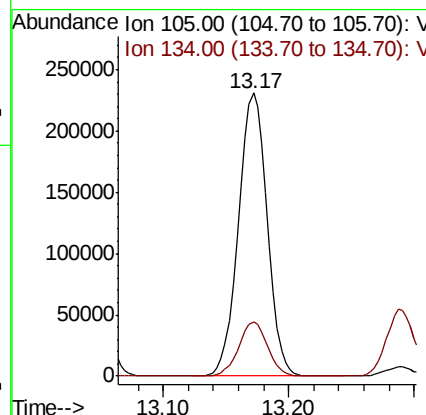
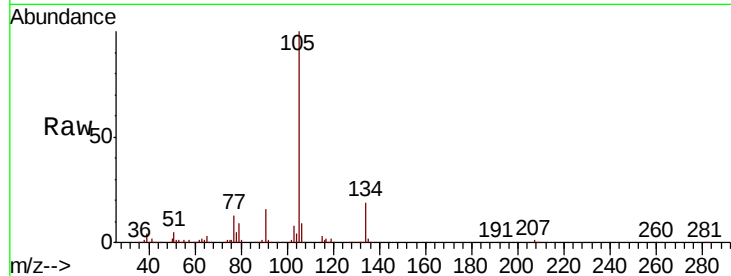
#85
 sec-Butylbenzene
 Concen: 20.562 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

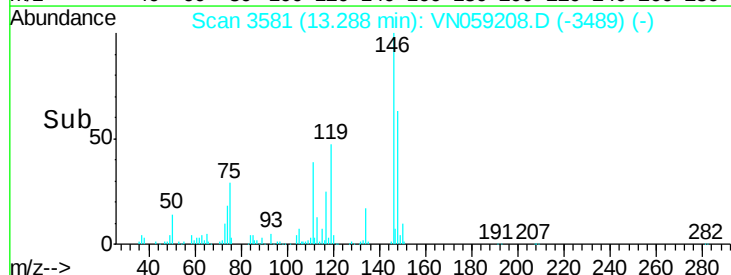
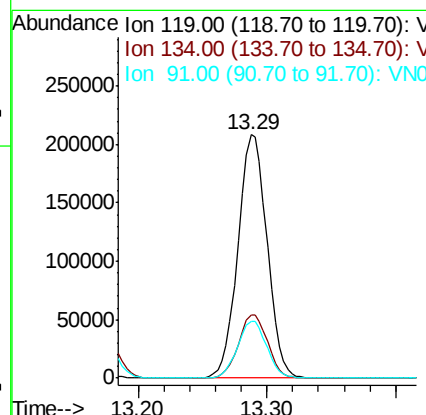
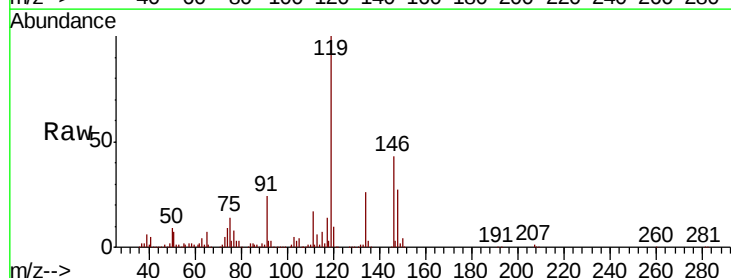
Manual Integrations
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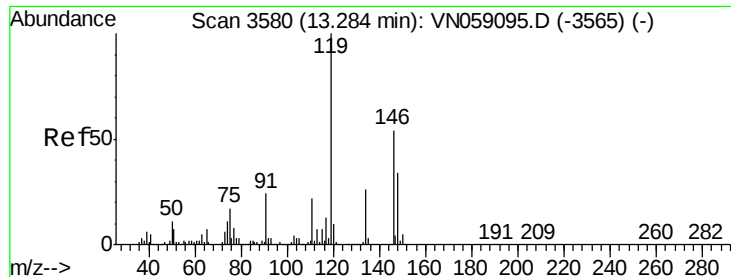
MMDadoda
 11/14/2019 10:00:11 AM



#86
 p-Isopropyltoluene
 Concen: 20.608 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	38.9
91	23.5	11.7	35.1





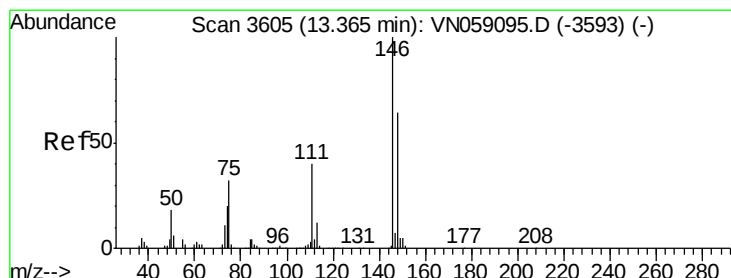
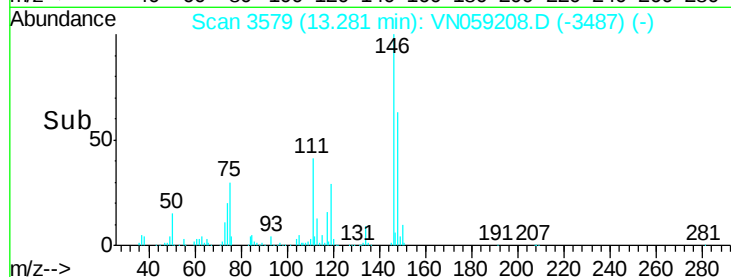
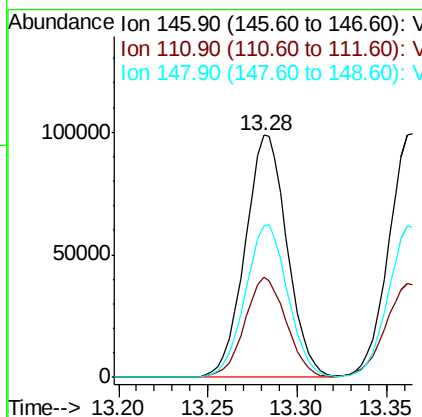
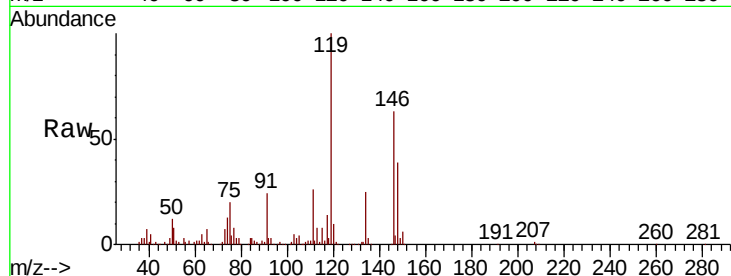
#87
 1,3-Dichlorobenzene
 Concen: 20.149 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	162664		
111	40.9	20.4	61.3	
148	63.8	32.2	96.6	

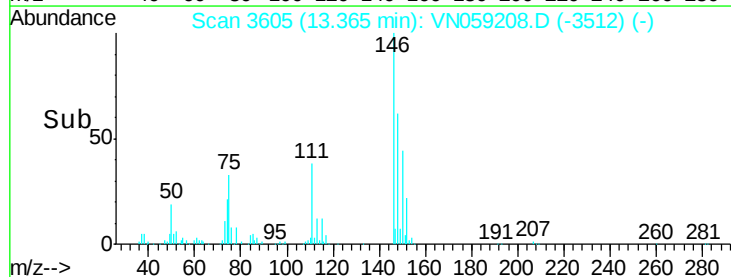
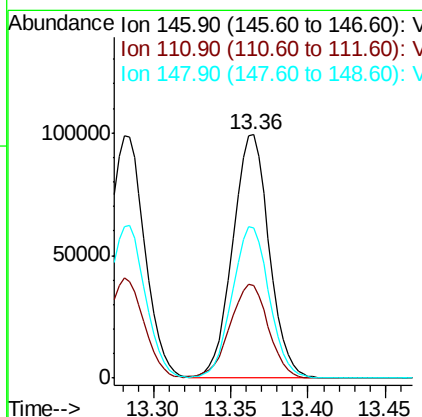
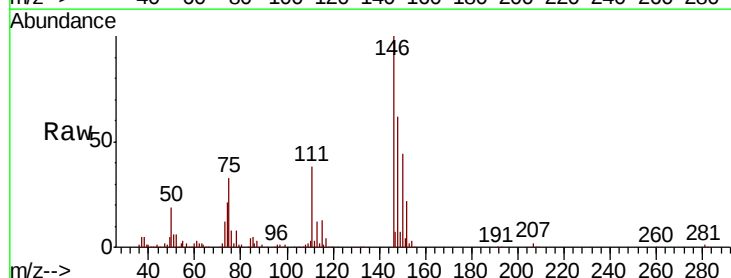
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#88
 1,4-Dichlorobenzene
 Concen: 20.038 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	161850		
111	41.0	20.3	60.9	
148	63.5	31.9	95.7	





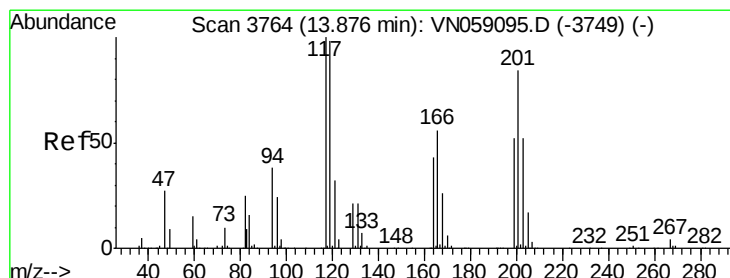
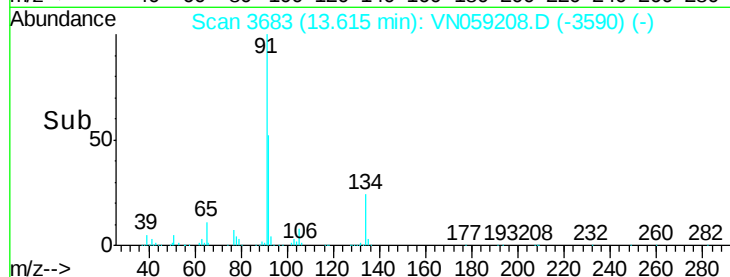
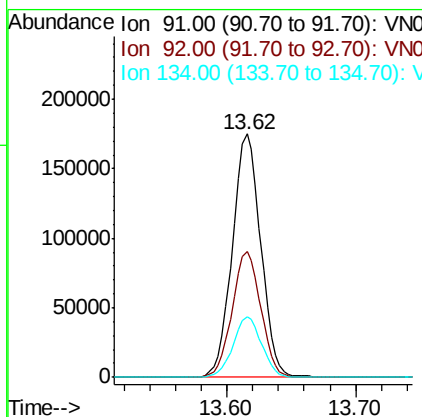
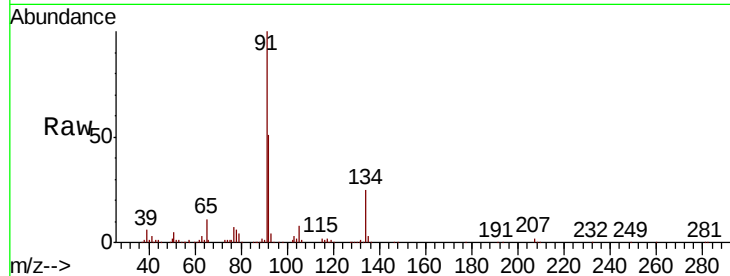
#89
n-Butylbenzene
Concen: 19.438 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	25.0	12.6	37.8

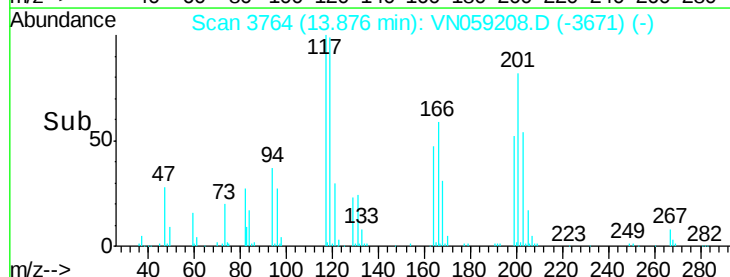
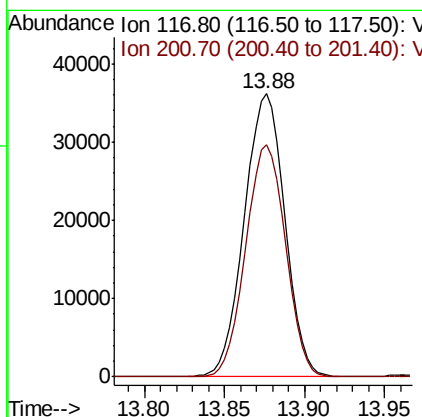
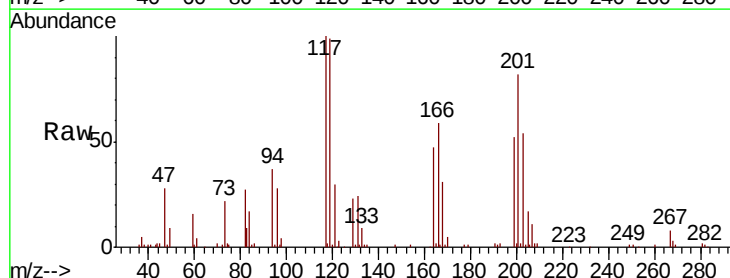
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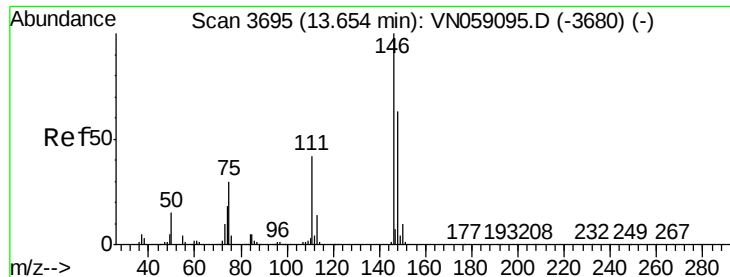
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#90
Hexachloroethane
Concen: 19.805 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059208.D
Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	41.8	125.3





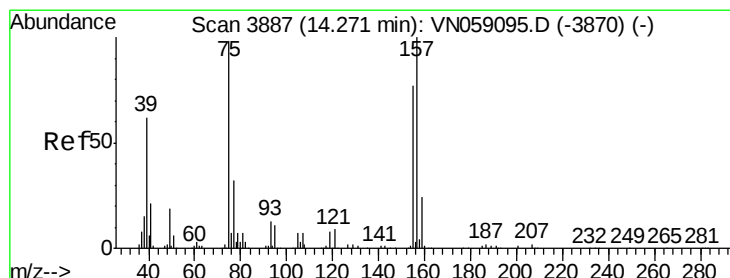
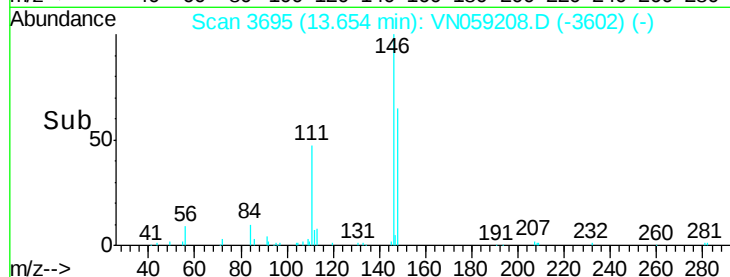
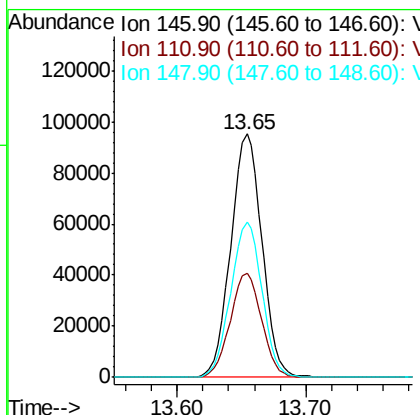
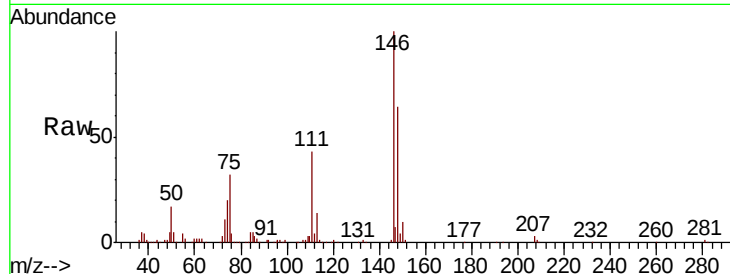
#91
 1,2-Dichlorobenzene
 Concen: 20.130 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	64.0	31.6	94.7

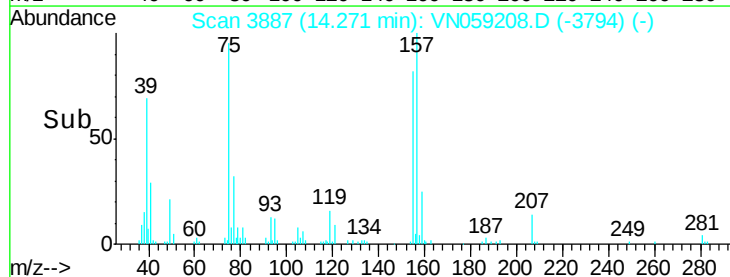
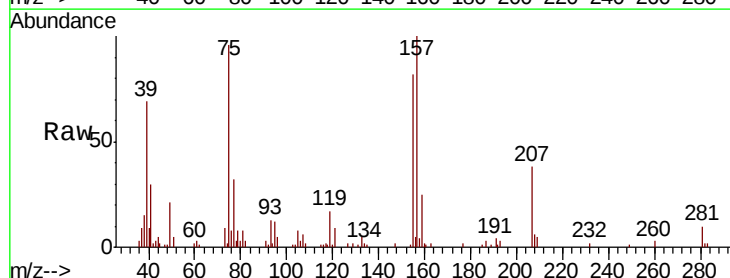
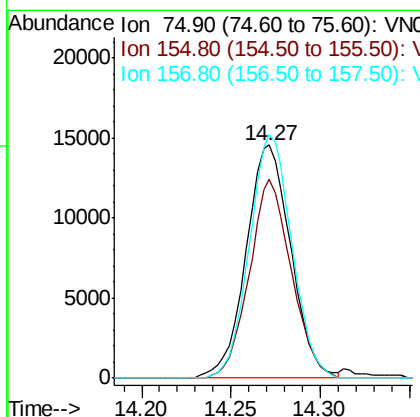
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.022 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	40.2	120.6
157	99.0	51.8	155.5





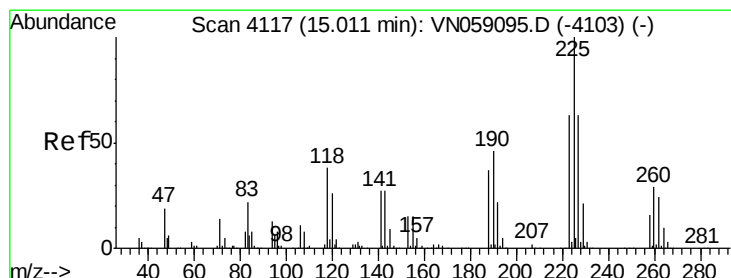
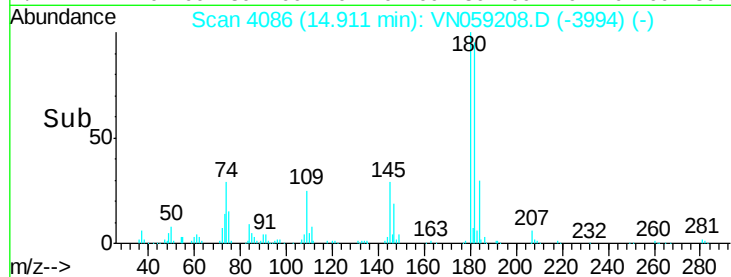
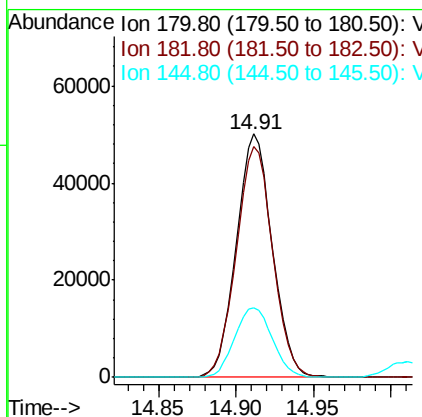
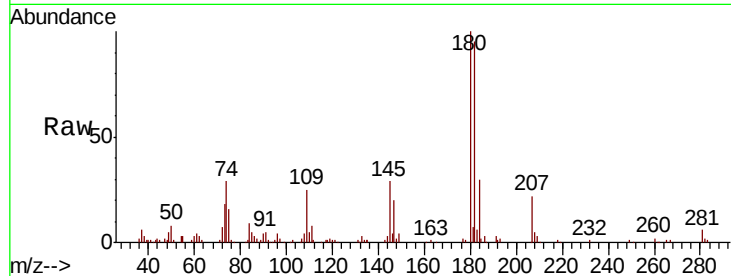
#93
 1,2,4-Trichlorobenzene
 Concen: 18.771 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion:	180	Resp:	80679
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.1	144.3
145	30.3	15.1	45.3

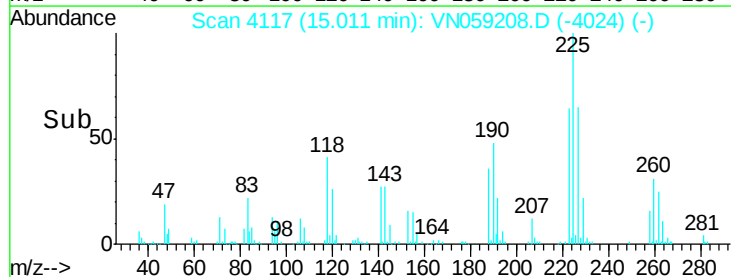
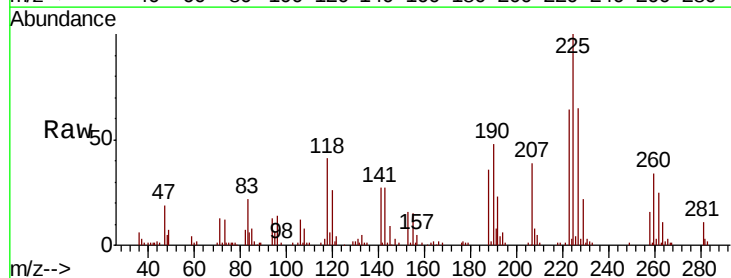
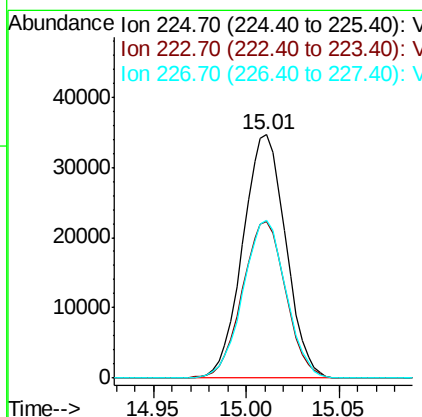
Manual Integrations
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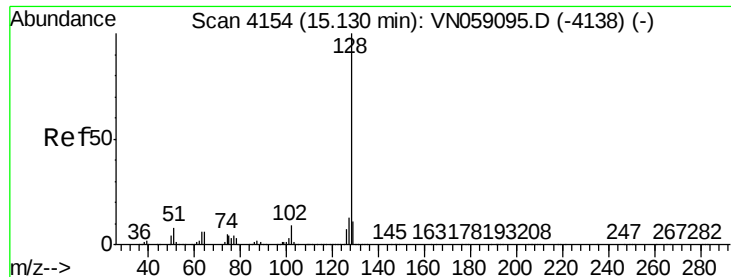
MMDadoda
 11/14/2019 10:00:11 AM



#94
 Hexachlorobutadiene
 Concen: 20.315 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059208.D
 Acq: 13 Nov 2019 10:06

Tgt Ion:	225	Resp:	55626
Ion Ratio	Lower	Upper	
225	100		
223	65.0	31.3	93.9
227	64.9	31.5	94.5





#95

Naphthalene

Concen: 17.841 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Instrument :

MSVOA_N

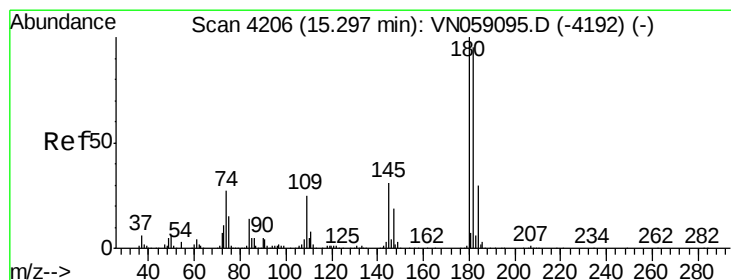
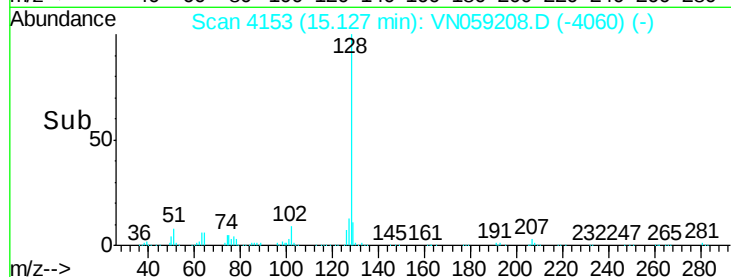
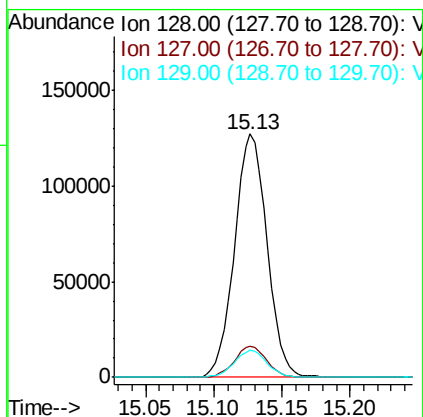
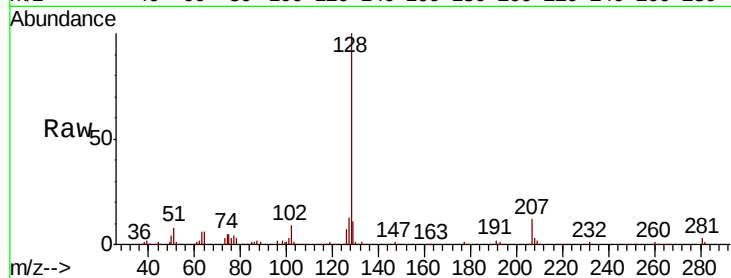
ClientSampleId :

VN1113WBS01

Tot Ion:	128	Resp:	210617
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/14/2019 10:00:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.299 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059208.D

Acq: 13 Nov 2019 10:06

Tgt Ion:	180	Resp:	85890
Ion Ratio	Lower	Upper	
180	100		
182	92.9	47.3	141.8
145	31.5	15.8	47.3

