

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059122.D
 Acq On : 7 Nov 2019 15:10
 Operator : JC/SP
 Sample : VN1107WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:20 AM

Quant Time: Nov 08 02:58:02 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	478151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	756260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	677546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	298493	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.57	113	230864	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.08	98	900978	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	314986	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	92187	19.136	ug/l	99
3) Chloromethane	2.04	50	122713	18.738	ug/l	99
4) Vinyl Chloride	2.17	62	122643	19.317	ug/l	99
5) Bromomethane	2.55	94	72626	19.878	ug/l	98
6) Chloroethane	2.68	64	73265	19.507	ug/l	98
7) Trichlorofluoromethane	3.00	101	150994	19.883	ug/l	99
8) Diethyl Ether	3.39	74	60244	19.523	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	90185	19.696	ug/l	99
10) Methyl Iodide	3.93	142	111749	19.717	ug/l	99
11) Tert butyl alcohol	4.75	59	107549	96.012	ug/l	98
12) 1,1-Dichloroethene	3.71	96	88964	19.945	ug/l	95
13) Acrolein	3.58	56	52149	90.296	ug/l	99
14) Allyl chloride	4.30	41	178341	19.465	ug/l	98
15) Acrylonitrile	4.95	53	293585	105.314	ug/l	99
16) Acetone	3.79	43	285761	93.492	ug/l	98
17) Carbon Disulfide	4.03	76	255099	18.424	ug/l	100
18) Methyl Acetate	4.30	43	156805	21.614	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	310153	20.197	ug/l	98
20) Methylene Chloride	4.53	84	106504	20.001	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	95049	19.852	ug/l	96
22) Diisopropyl ether	5.92	45	350965	20.280	ug/l	96
23) Vinyl Acetate	5.87	43	1438749	107.269	ug/l	99
24) 1,1-Dichloroethane	5.82	63	192717	19.938	ug/l	100
25) 2-Butanone	6.81	43	404284	100.360	ug/l	99
26) 2,2-Dichloropropane	6.80	77	160644	19.007	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	110635	19.918	ug/l	99
28) Bromochloromethane	7.17	49	60886	20.937	ug/l	98
29) Tetrahydrofuran	7.19	42	266625	104.167	ug/l	99
30) Chloroform	7.35	83	184622	19.911	ug/l	98
31) Cyclohexane	7.63	56	175751	19.207	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	157660	20.224	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137068	19.390	ug/l	99
37) Ethyl Acetate	6.90	43	163334	20.770	ug/l	98
38) Carbon Tetrachloride	7.75	117	137427	19.533	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	159269	19.414	ug/l	99
40) Benzene	8.02	78	426312	20.027	ug/l	100
41) Methacrylonitrile	7.15	41	64449m	18.847	ug/l	
42) 1,2-Dichloroethane	8.10	62	146392	20.052	ug/l	100
43) Isopropyl Acetate	8.14	43	247990	19.781	ug/l	99
44) Trichloroethene	8.82	130	103160	19.715	ug/l	98
45) 1,2-Dichloropropane	9.10	63	116338	20.121	ug/l	98
46) Dibromomethane	9.19	93	71432	19.826	ug/l	100
47) Bromodichloromethane	9.39	83	144331	20.061	ug/l	99
48) Methyl methacrylate	9.18	41	109296	19.490	ug/l	99
49) 1,4-Dioxane	9.18	88	36062	361.858	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	789757	111.332	ug/l	99
52) Toluene	10.15	92	253191	19.845	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	159730	19.217	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	176902	19.785	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	103333	20.012	ug/l	99
56) Ethyl methacrylate	10.42	69	153730	19.055	ug/l	100
57) 1,3-Dichloropropane	10.70	76	178137	20.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	306328	106.599	ug/l	100
59) 2-Hexanone	10.74	43	577246	106.018	ug/l	99
60) Dibromochloromethane	10.90	129	106133	19.441	ug/l	99
61) 1,2-Dibromoethane	11.00	107	103584	19.817	ug/l	100
64) Tetrachloroethene	10.63	164	90617	19.669	ug/l	98
65) Chlorobenzene	11.43	112	264689	20.040	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	99093	20.000	ug/l	99
67) Ethyl Benzene	11.51	91	473812	20.219	ug/l	99
68) m/p-Xylenes	11.62	106	348810	39.736	ug/l	99
69) o-Xylene	11.95	106	165863	19.552	ug/l	100
70) Styrene	11.96	104	267116	20.021	ug/l	99
71) Bromoform	12.12	173	76763	19.918	ug/l #	99
73) Isopropylbenzene	12.25	105	455836	20.802	ug/l	100
74) N-amyl acetate	12.07	43	187394	20.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	157897	21.159	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	150054m	21.879	ug/l	
77) Bromobenzene	12.53	156	109350	19.862	ug/l	98
78) n-propylbenzene	12.59	91	516415	20.582	ug/l	99
79) 2-Chlorotoluene	12.67	91	314427	20.201	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	382203	20.584	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50470	19.437	ug/l	96
82) 4-Chlorotoluene	12.77	91	318410	20.396	ug/l	100
83) tert-Butylbenzene	12.99	119	325712	20.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	374192	20.830	ug/l	100
85) sec-Butylbenzene	13.17	105	424932	20.377	ug/l	100
86) p-Isopropyltoluene	13.29	119	377554	20.504	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	187537	19.893	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	184289	19.538	ug/l	98
89) n-Butylbenzene	13.62	91	318403	19.757	ug/l	100
90) Hexachloroethane	13.88	117	72449	19.594	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	189222	20.404	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31807	21.379	ug/l	95

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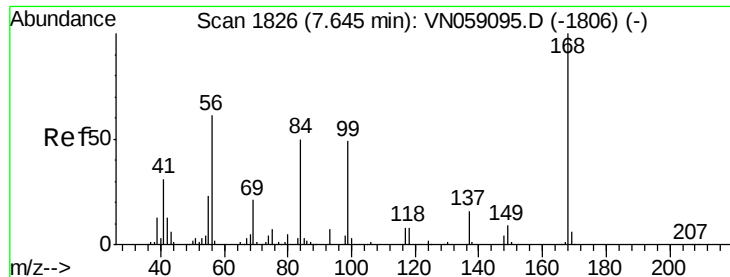
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98203	19.436	ug/l	98
94) Hexachlorobutadiene	15.01	225	62599	19.576	ug/l	100
95) Naphthalene	15.13	128	267650	19.146	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	99682	19.180	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: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion:168 Resp: 478151

Ion Ratio Lower Upper

168 100

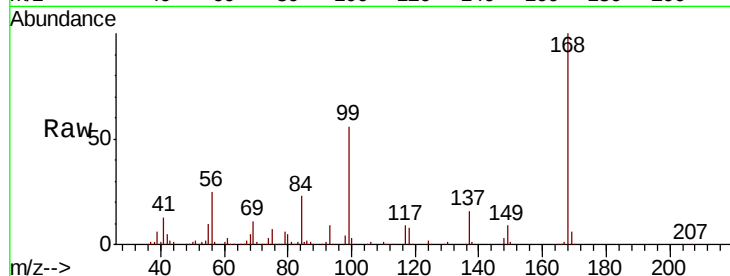
99 56.3 45.7 68.5

Manual Integrations

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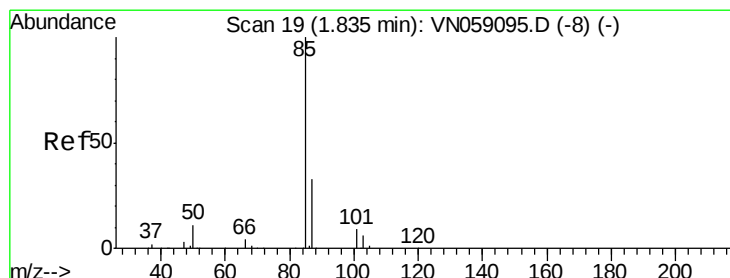
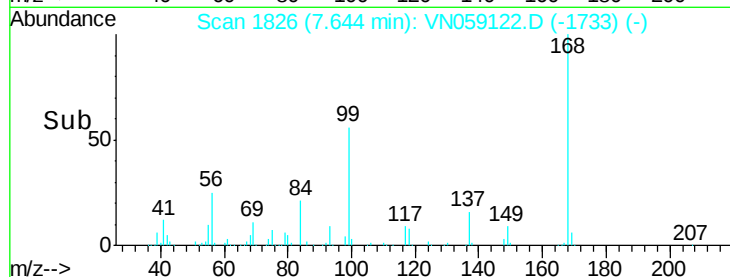
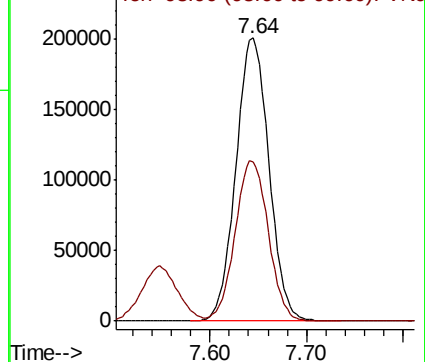
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.136 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059122.D

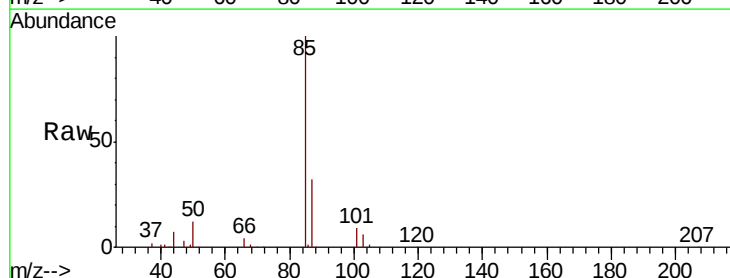
Acq: 7 Nov 2019 15:10

Tgt Ion: 85 Resp: 92187

Ion Ratio Lower Upper

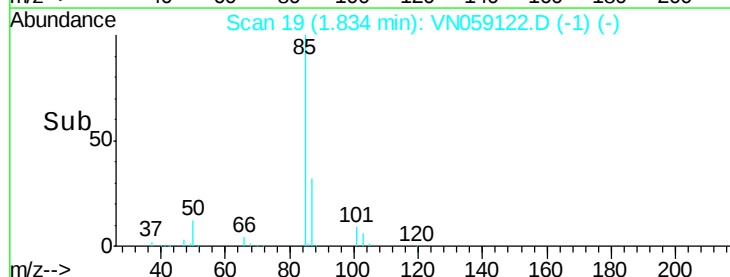
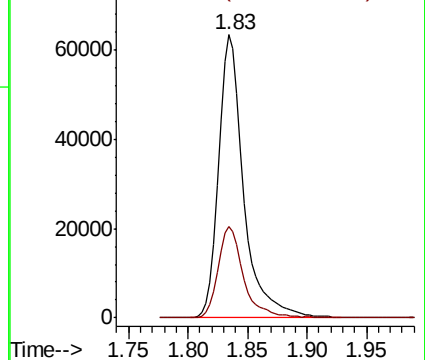
85 100

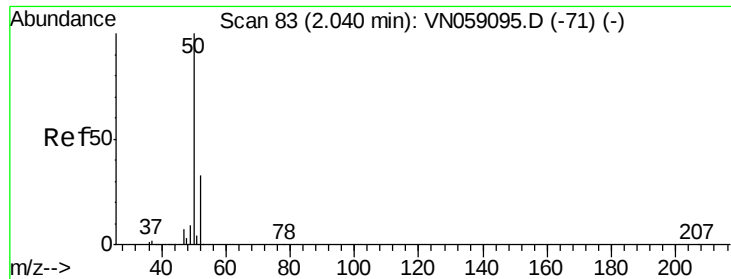
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.738 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 50 Resp: 122713

Ion Ratio Lower Upper

50 100

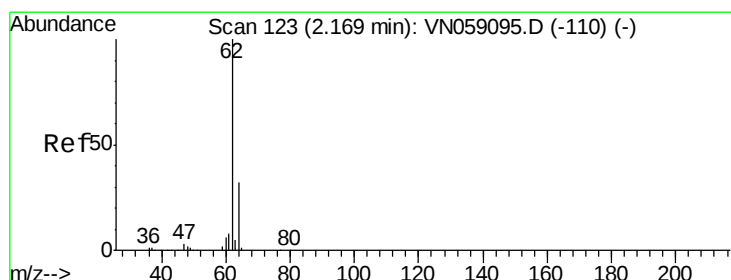
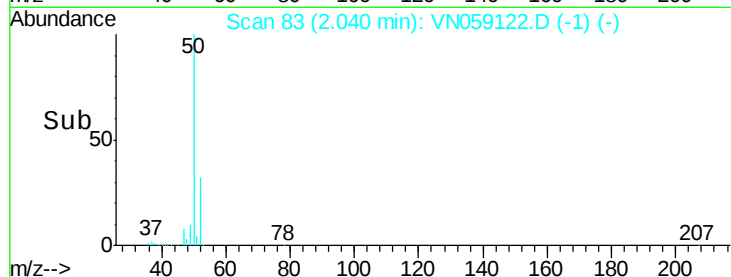
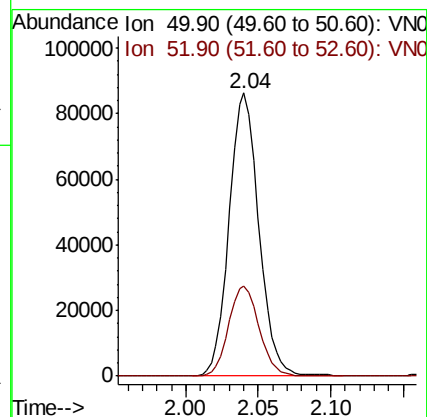
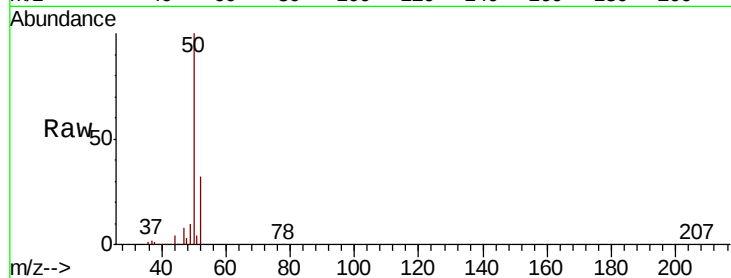
52 32.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.317 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059122.D

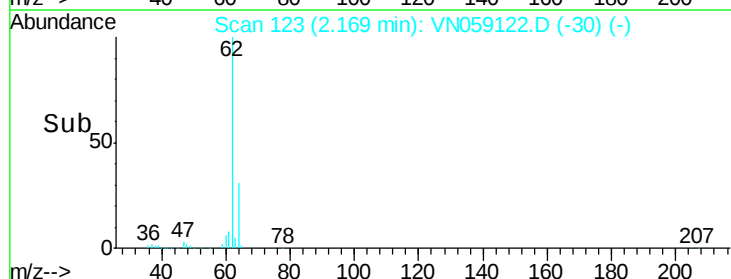
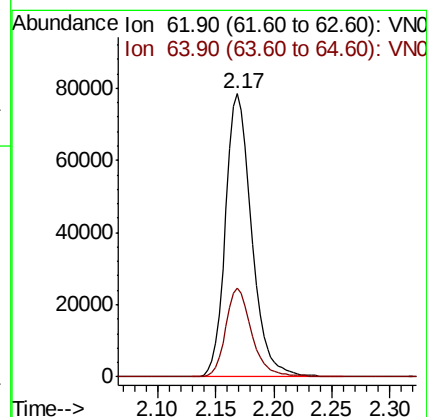
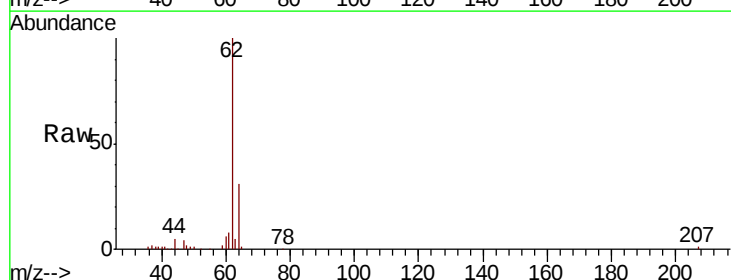
Acq: 7 Nov 2019 15:10

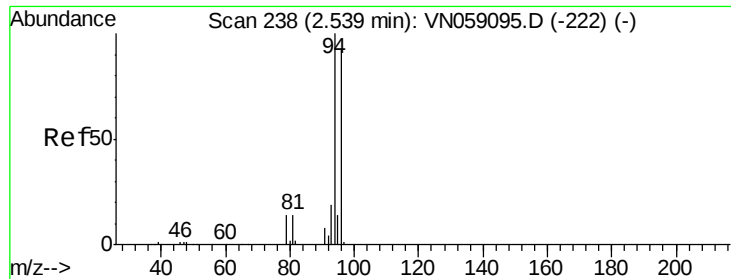
Tgt Ion: 62 Resp: 122643

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 19.878 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 94 Resp: 72626

Ion Ratio Lower Upper

94 100

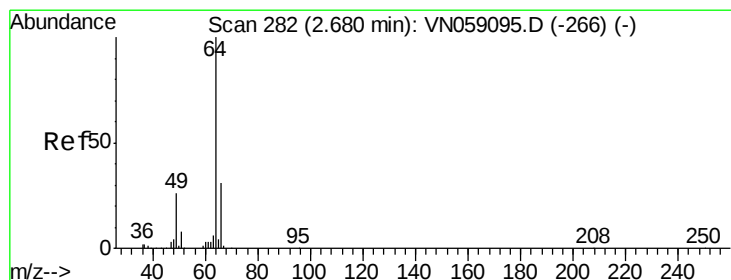
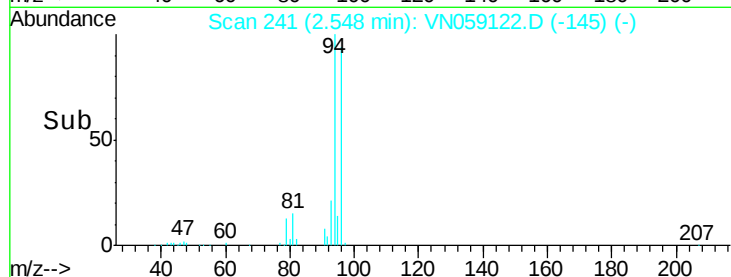
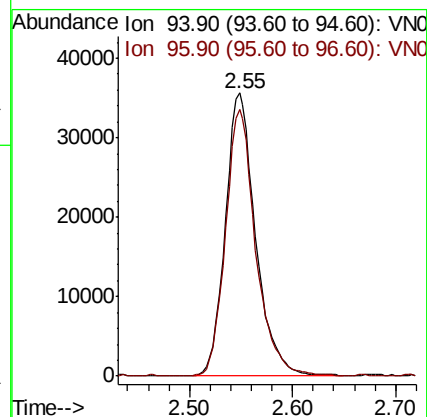
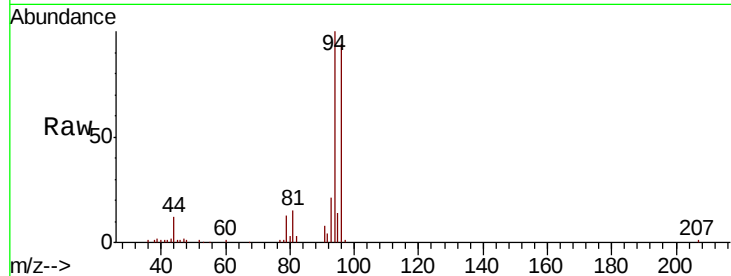
96 94.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 19.507 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059122.D

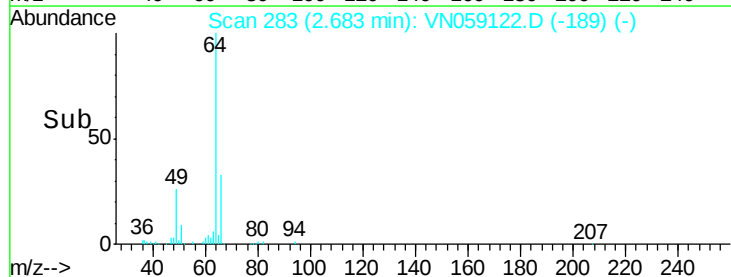
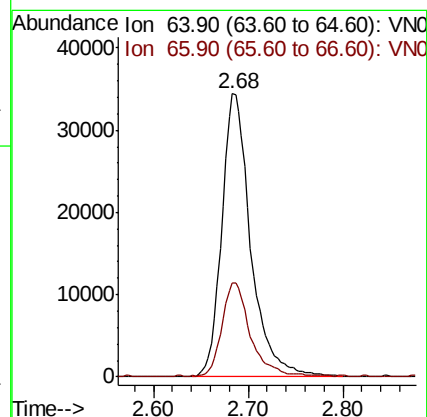
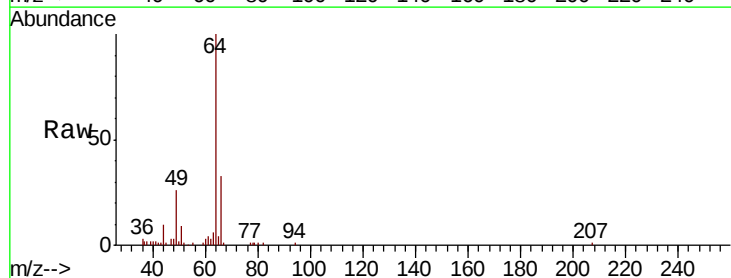
Acq: 7 Nov 2019 15:10

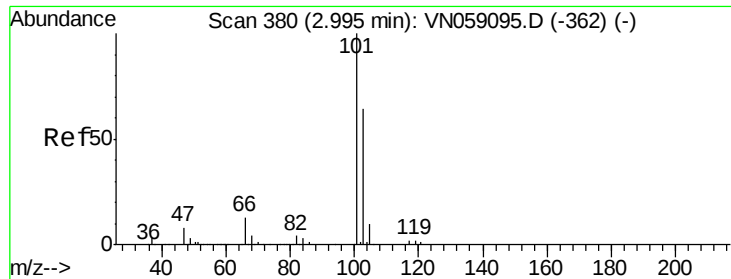
Tgt Ion: 64 Resp: 73265

Ion Ratio Lower Upper

64 100

66 32.7 25.2 37.8





#7

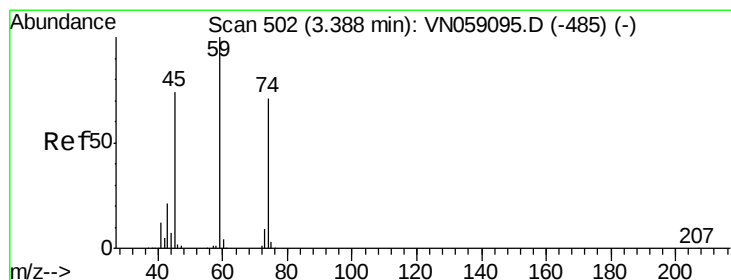
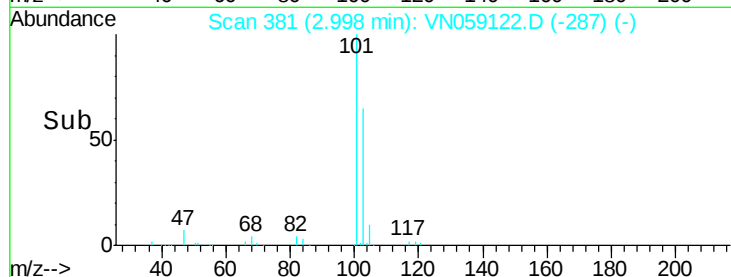
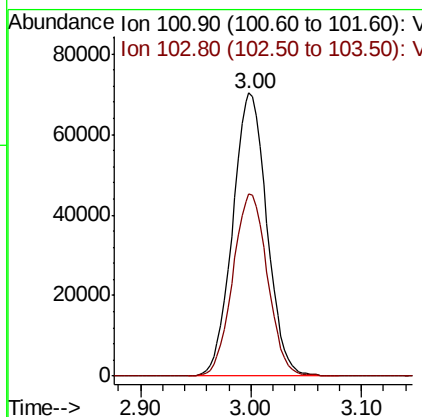
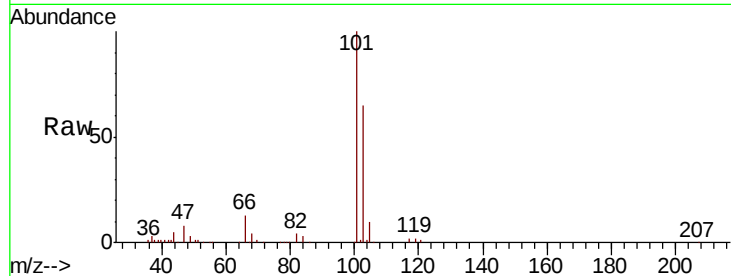
Trichlorofluoromethane
Concen: 19.883 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
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ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.2	76.8

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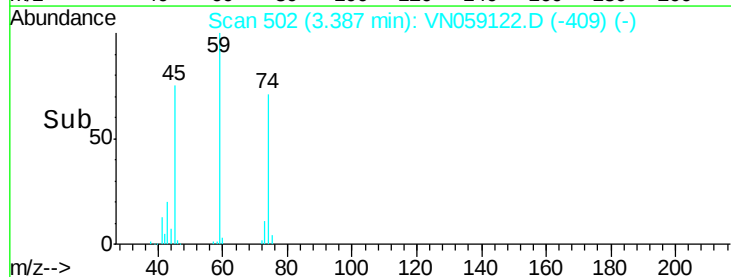
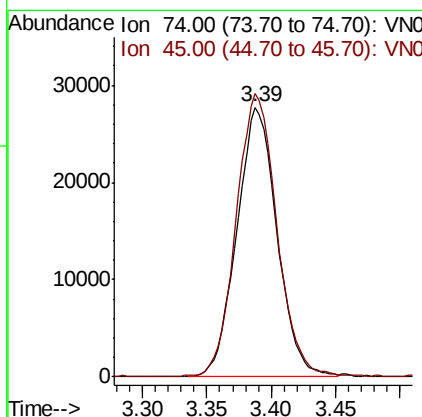
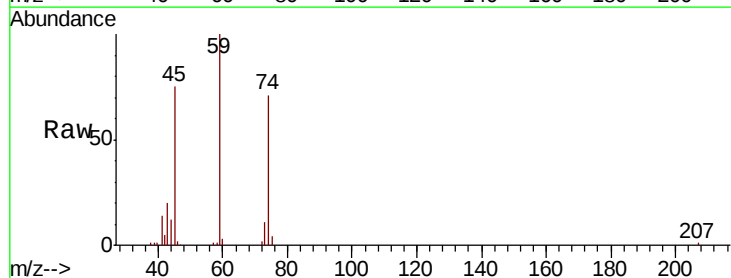
MMDadoda
11/8/2019 9:39:20 AM

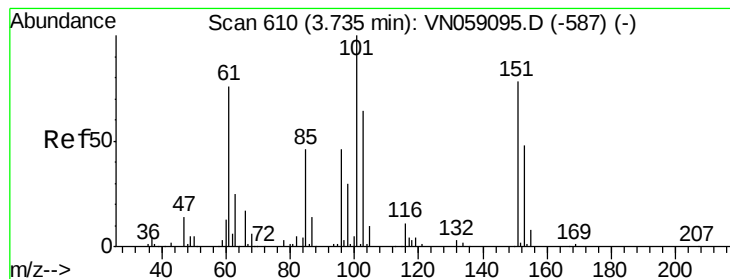


#8

Diethyl Ether
Concen: 19.523 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.696 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

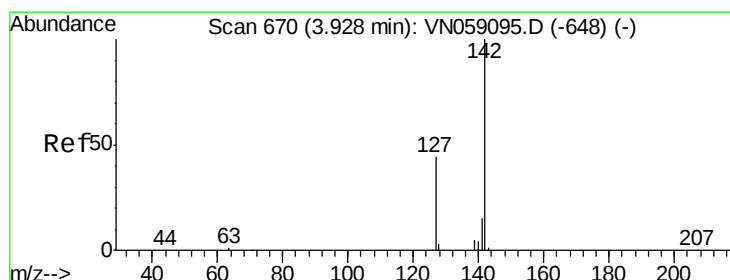
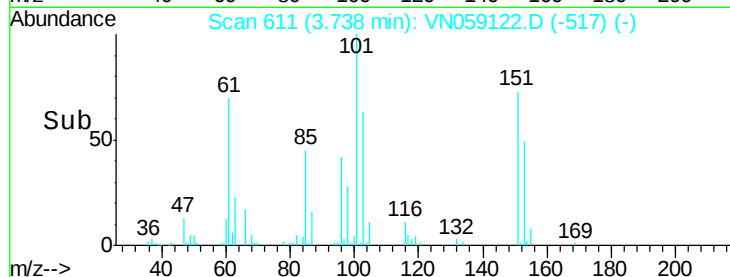
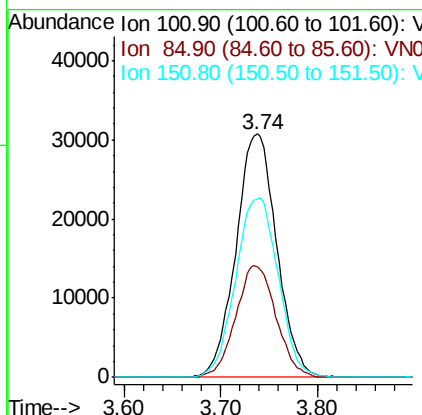
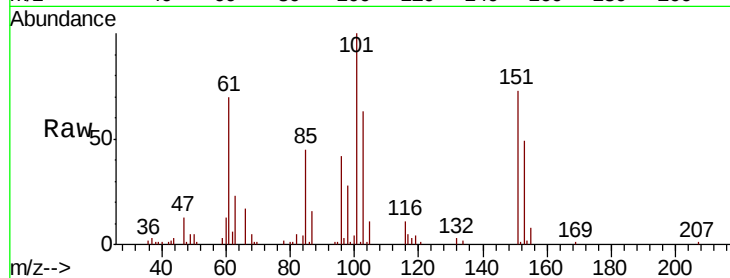
ClientSampleId :

VN1107WBSD02

Tot Ion:	101	Resp:	90185
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.5	53.3
151	77.0	62.2	93.2

Manual Integrations
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11/8/2019 9:39:20 AM



#10

Methyl Iodide

Concen: 19.717 ug/l

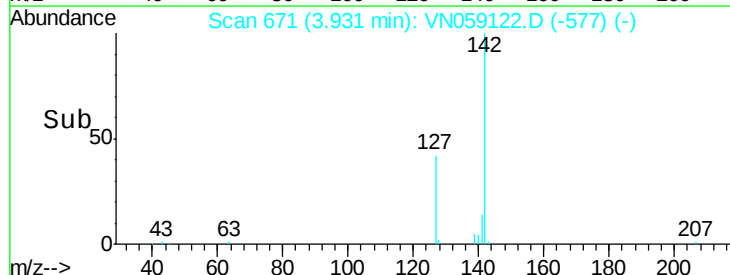
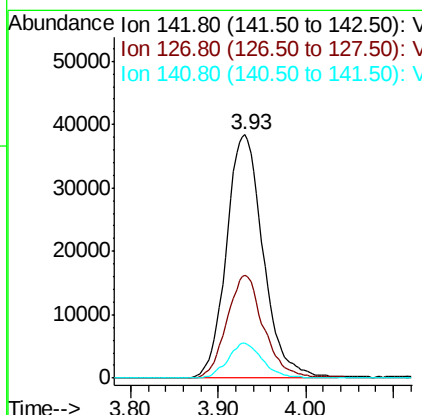
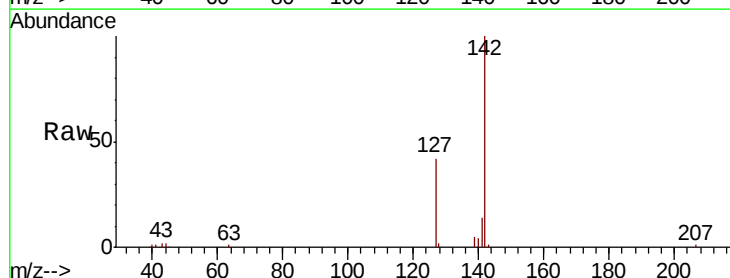
RT: 3.93 min Scan# 671

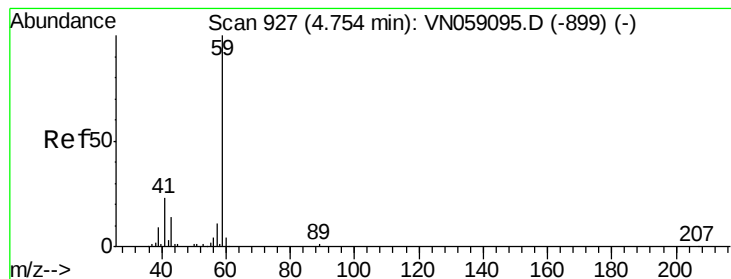
Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	142	Resp:	111749
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.2	51.2
141	13.6	11.4	17.0





#11

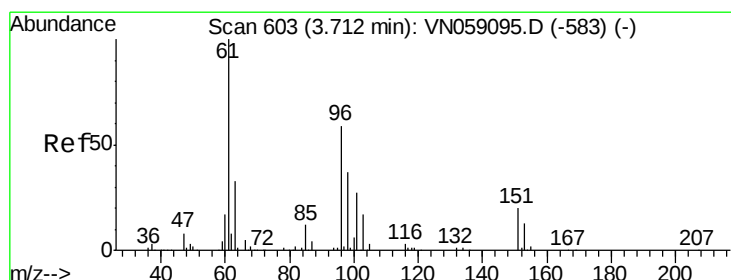
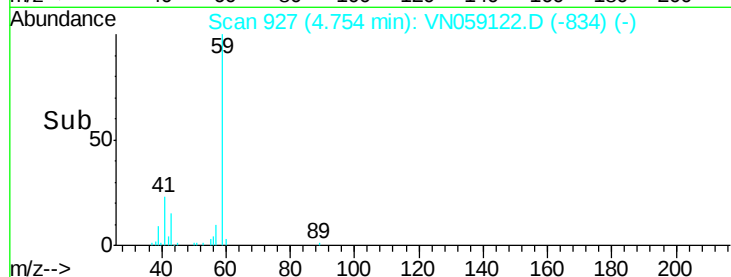
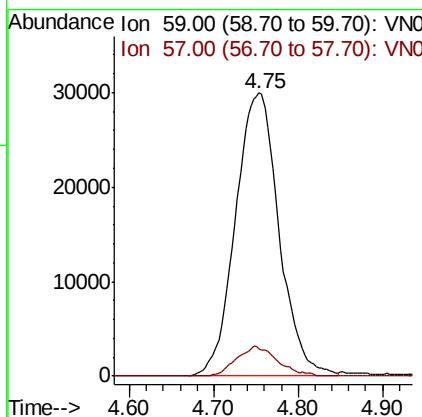
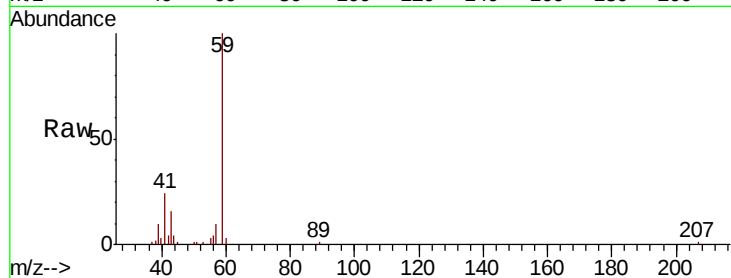
Tert butyl alcohol
Concen: 96.012 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	107549		
57	9.6		8.3	12.5

Manual Integrations
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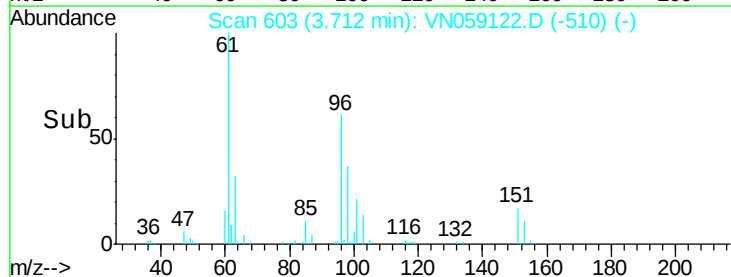
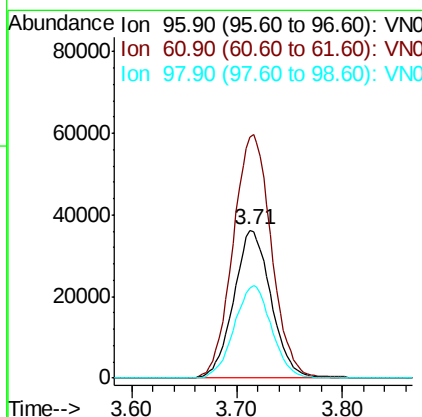
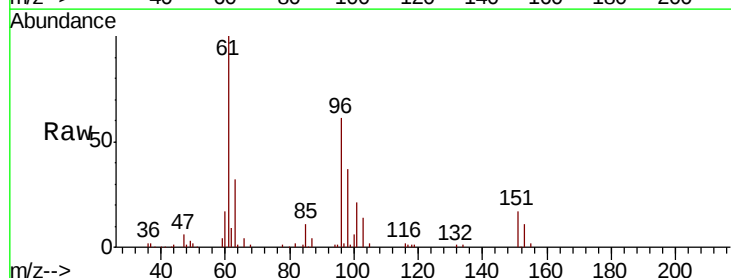
MMDadoda
11/8/2019 9:39:20 AM

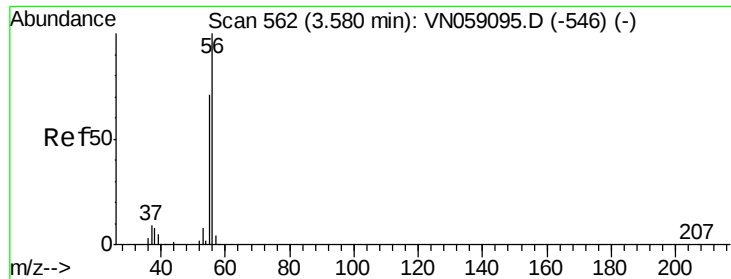


#12

1,1-Dichloroethene
Concen: 19.945 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	88964		
61	162.8		136.5	204.7
98	61.0		50.2	75.4





#13

Acrolein

Concen: 90.296 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 56 Resp: 52149

Ion Ratio Lower Upper

56 100

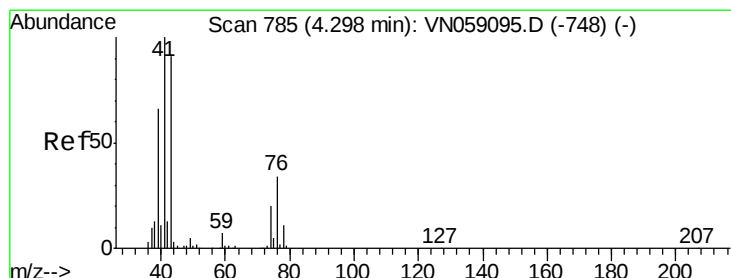
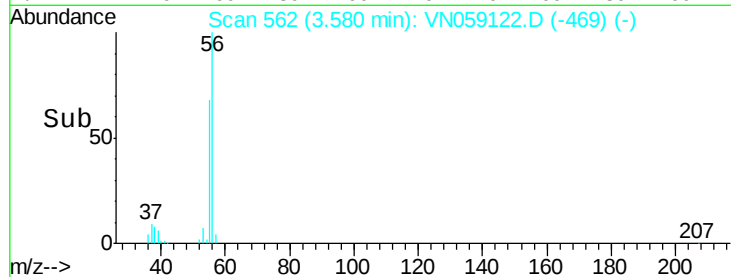
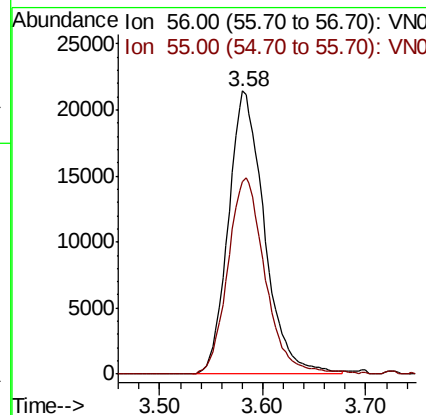
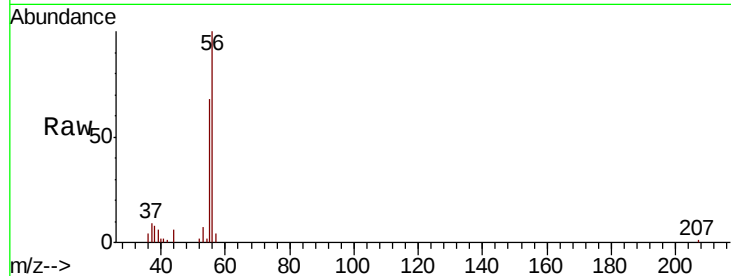
55 71.5 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.465 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

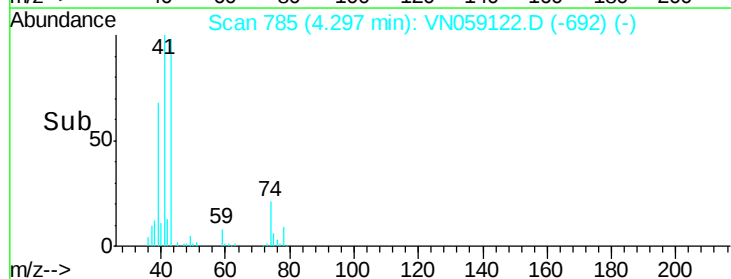
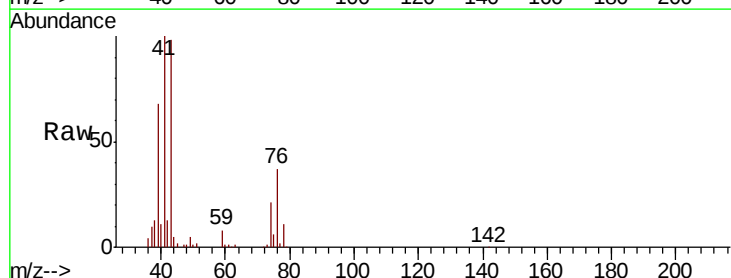
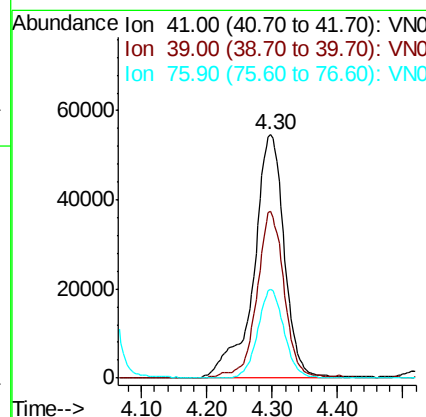
Tgt Ion: 41 Resp: 178341

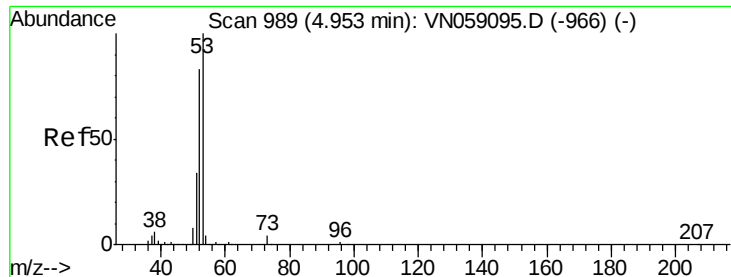
Ion Ratio Lower Upper

41 100

39 58.8 49.1 73.7

76 31.2 24.9 37.3





#15

Acrylonitrile

Concen: 105.314 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

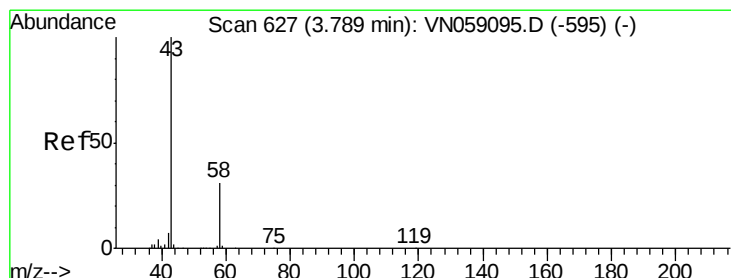
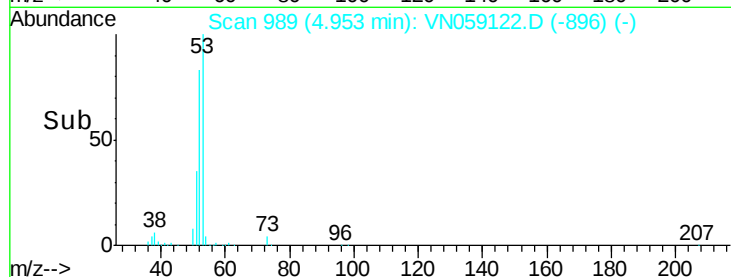
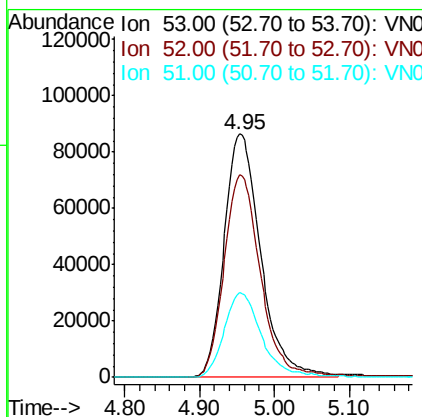
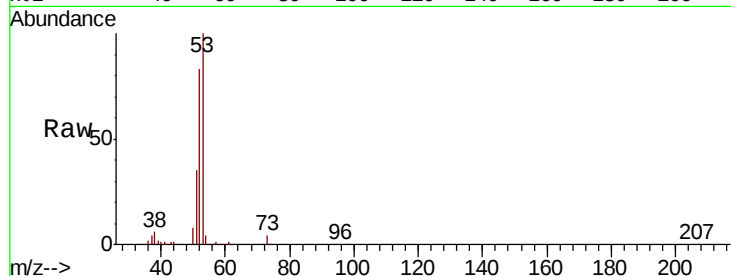
ClientSampleId :

VN1107WBSD02

Tot Ion:	53	Resp:	293585
Ion Ratio		Lower	Upper
53	100		
52	82.7	65.0	97.6
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 93.492 ug/l

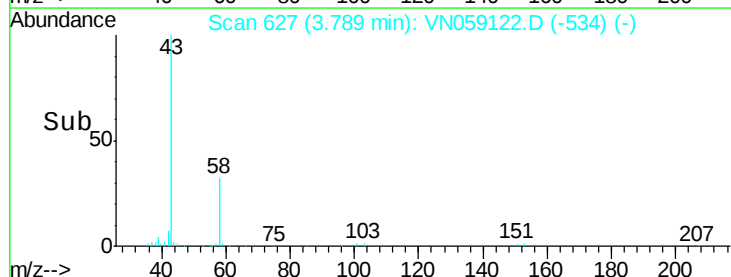
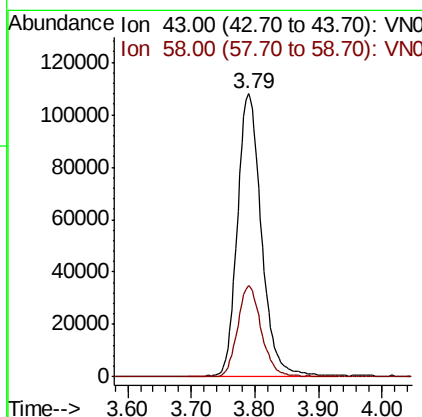
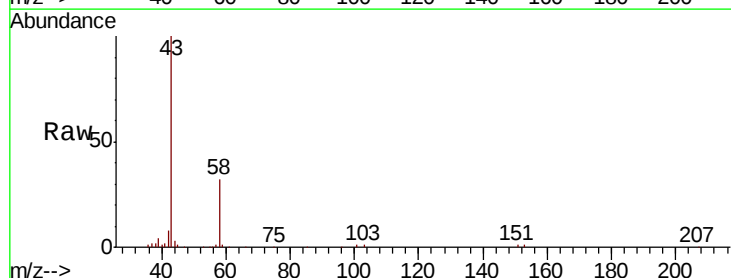
RT: 3.79 min Scan# 627

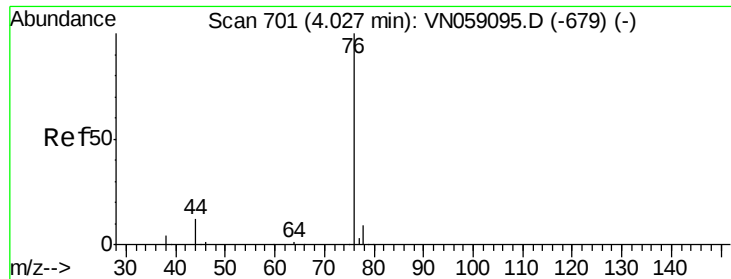
Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	43	Resp:	285761
Ion Ratio		Lower	Upper
43	100		
58	32.1	24.9	37.3





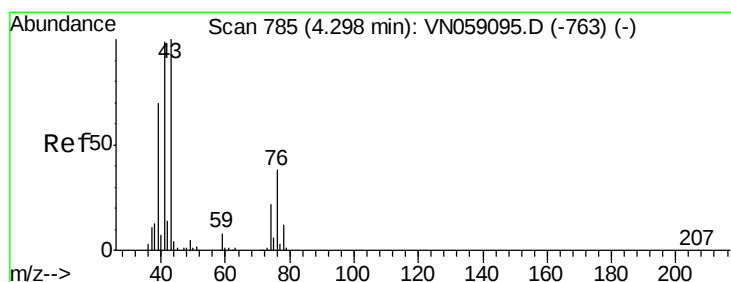
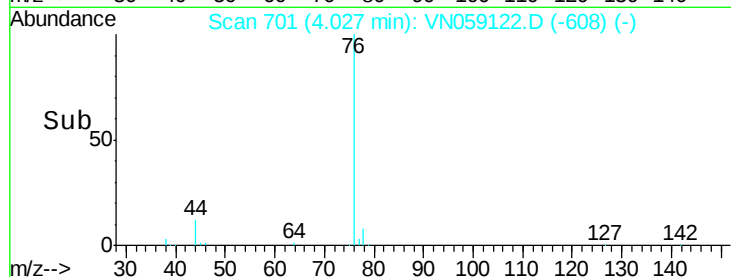
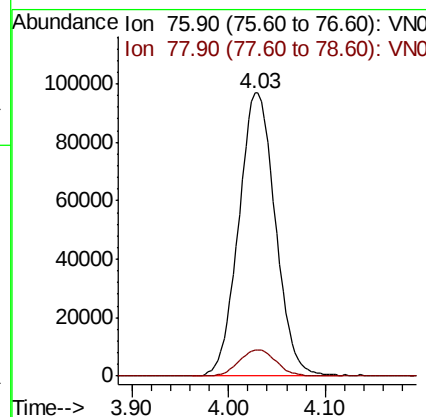
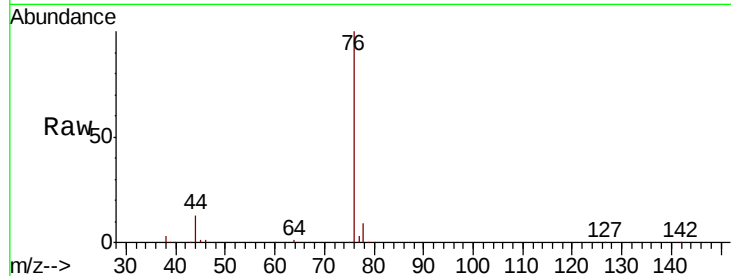
#17
Carbon Disulfide
Concen: 18.424 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

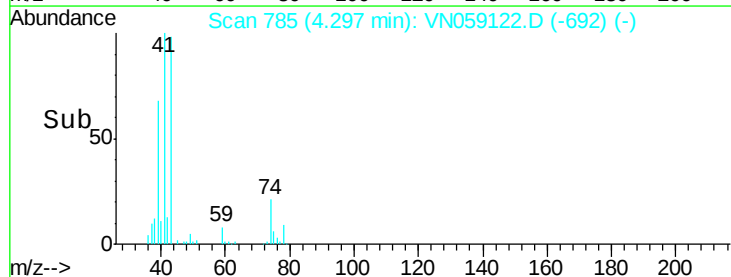
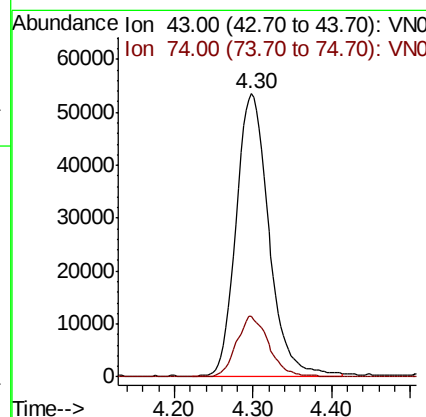
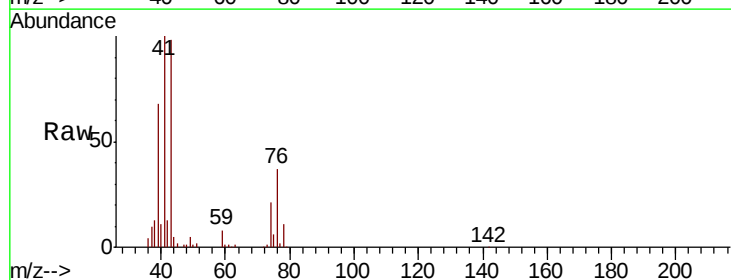
Manual Integrations
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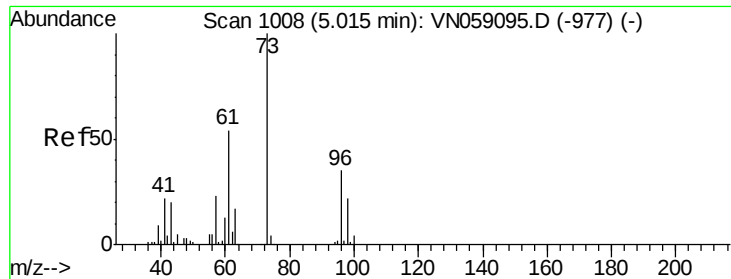
MMDadoda
11/8/2019 9:39:20 AM



#18
Methyl Acetate
Concen: 21.614 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.8	26.8





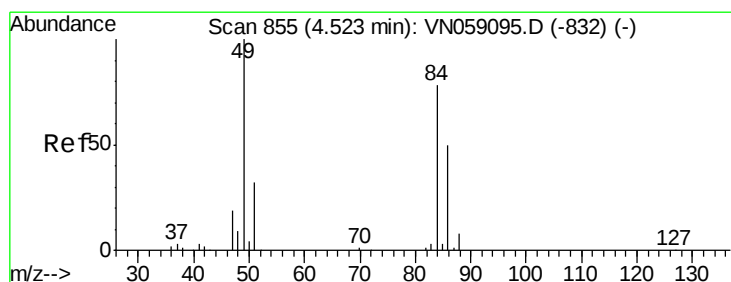
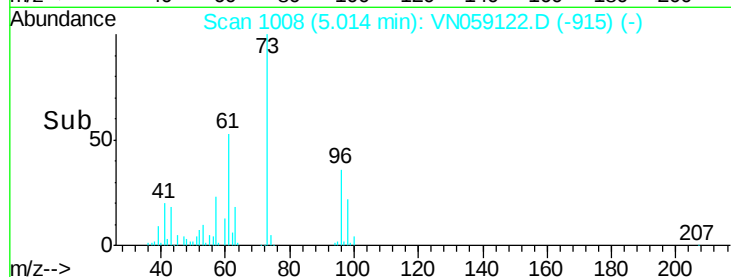
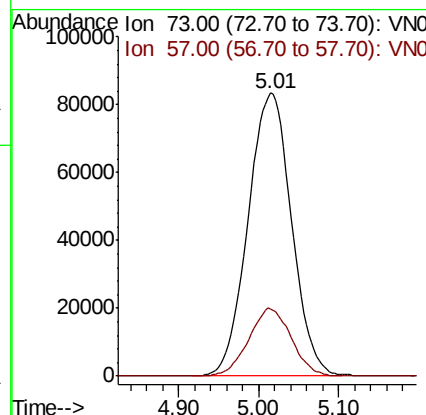
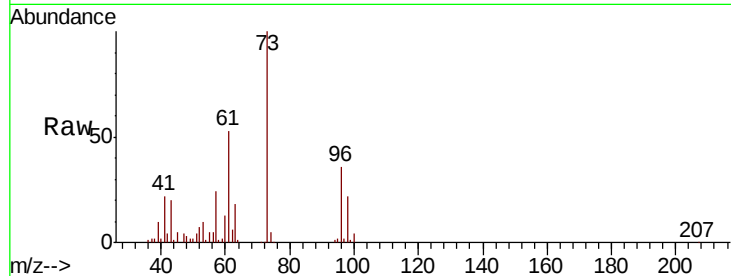
#19
Methvl tert-butvl Ether
Concen: 20.197 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion: 73 Resp: 310153
Ion Ratio Lower Upper
73 100
57 23.8 18.4 27.6

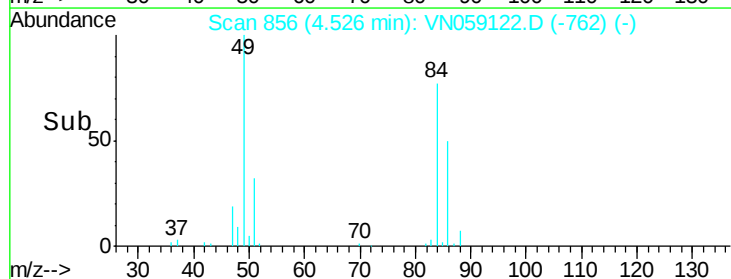
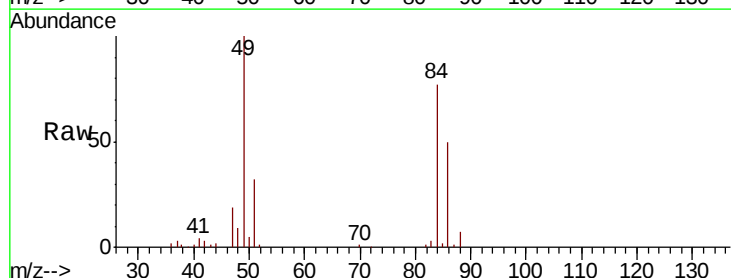
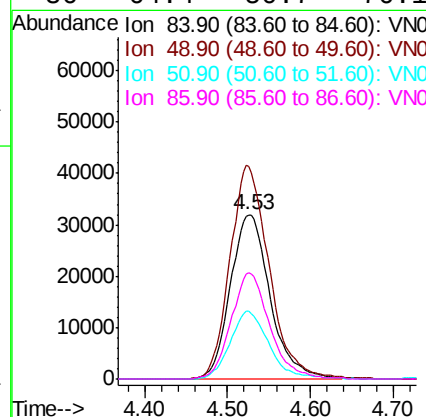
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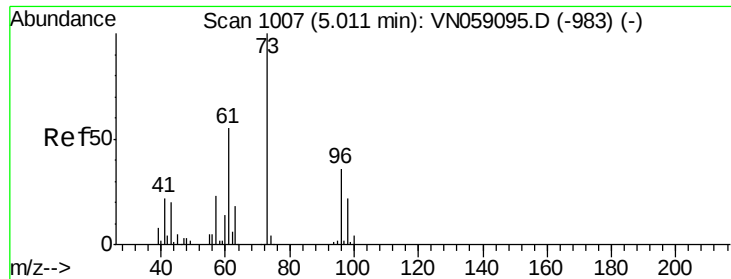
MMDadoda
11/8/2019 9:39:20 AM



#20
Methylene Chloride
Concen: 20.001 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion: 84 Resp: 106504
Ion Ratio Lower Upper
84 100
49 128.8 102.0 153.0
51 41.1 32.2 48.2
86 64.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.852 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

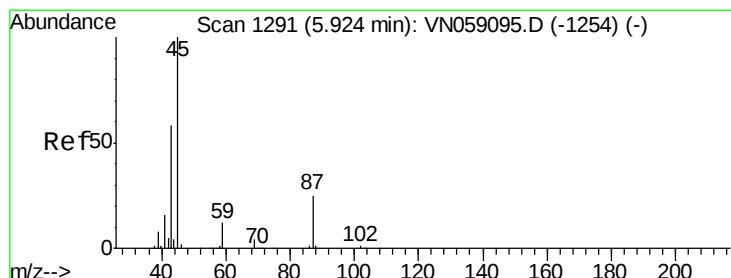
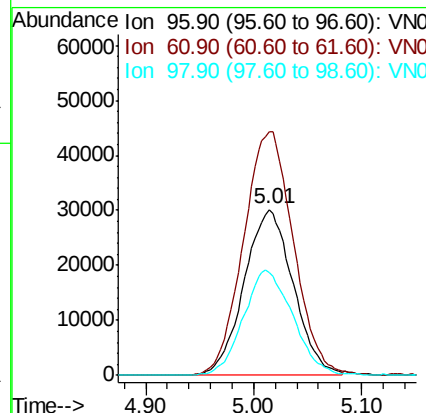
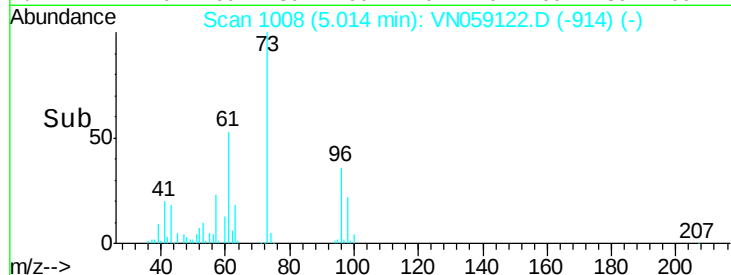
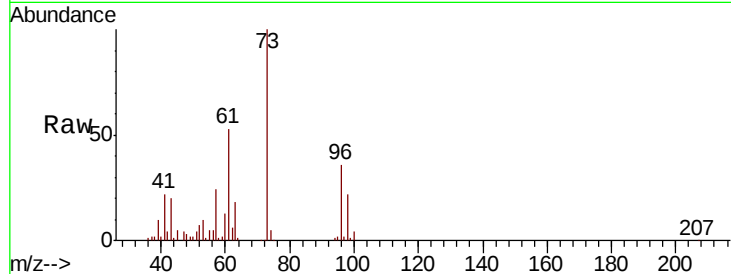
ClientSampleId :

VN1107WBSD02

Tot Ion:	96	Resp:	95049
Ion	Ratio	Lower	Upper
96	100		
61	146.5	122.6	183.8
98	62.4	50.3	75.5

Manual Integrations
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11/8/2019 9:39:20 AM



#22

Diisopropyl ether

Concen: 20.280 ug/l

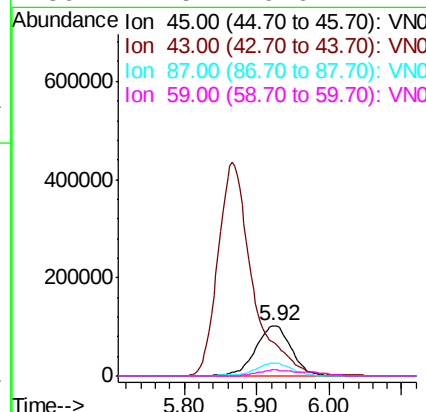
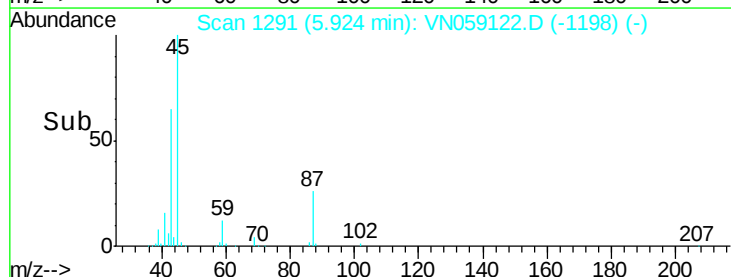
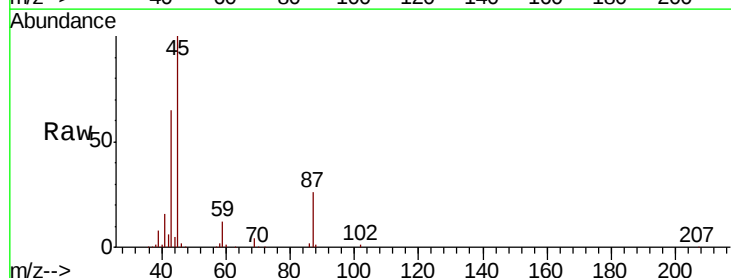
RT: 5.92 min Scan# 1291

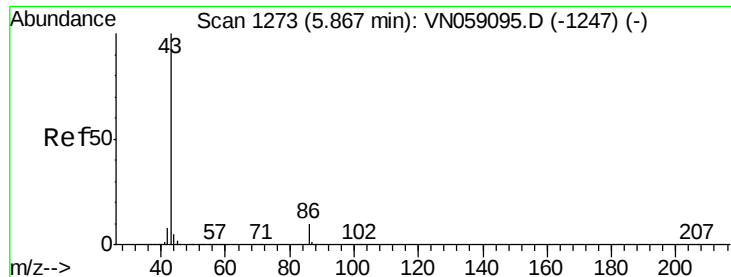
Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	45	Resp:	350965
Ion	Ratio	Lower	Upper
45	100		
43	62.6	46.7	70.1
87	25.7	20.5	30.7
59	11.5	9.6	14.4





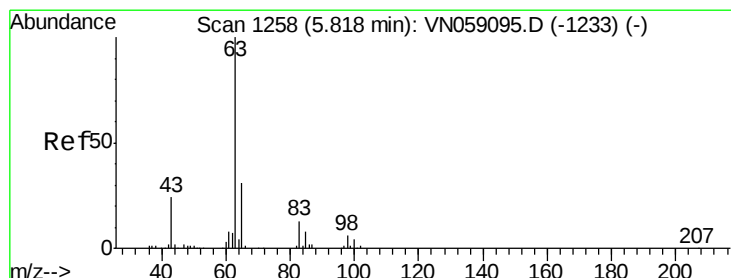
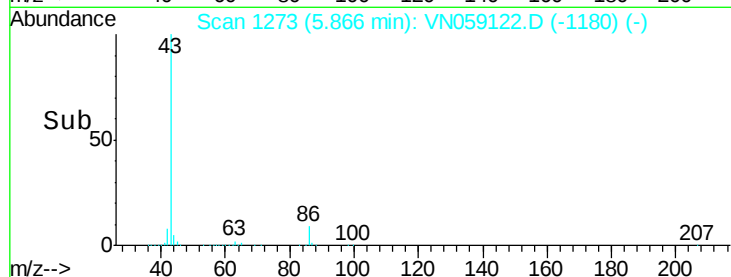
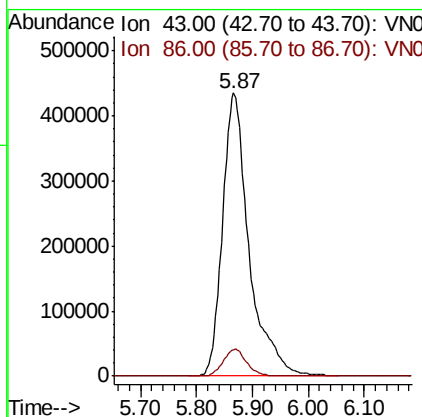
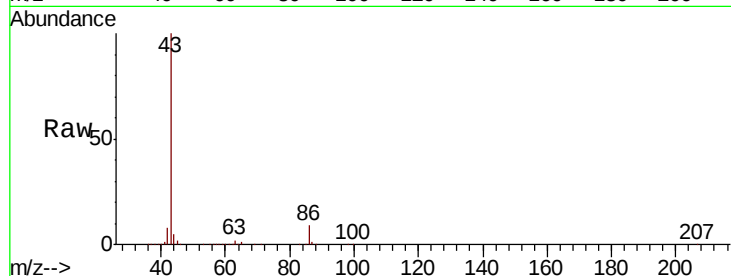
#23
 Vinyl Acetate
 Concen: 107.269 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD02

Tot Ion: 43 Resp: 1438749
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5

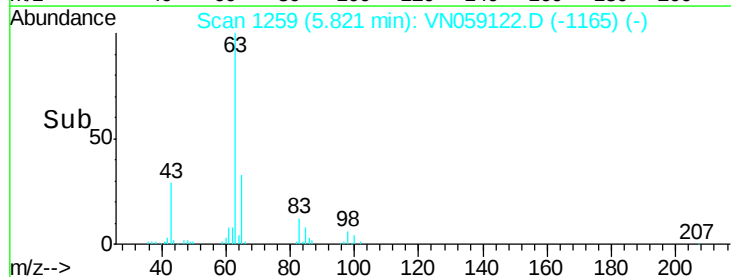
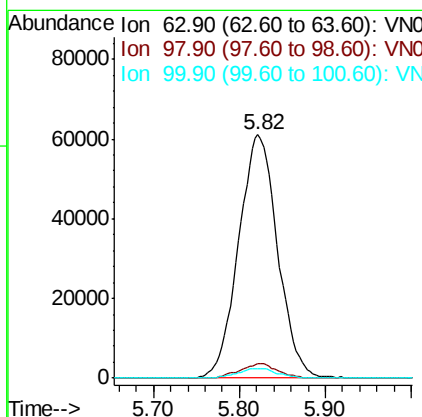
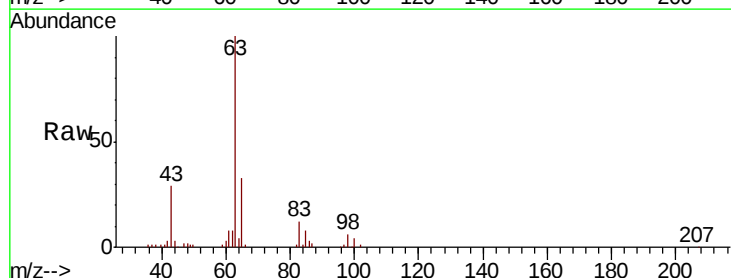
Manual Integrations
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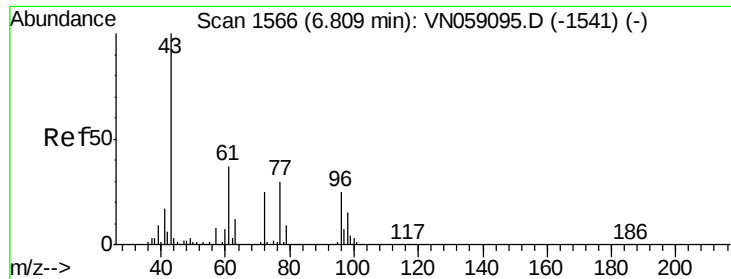
MMDadoda
 11/8/2019 9:39:20 AM



#24
 1,1-Dichloroethane
 Concen: 19.938 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Tgt Ion: 63 Resp: 192717
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.7 1.9 5.7





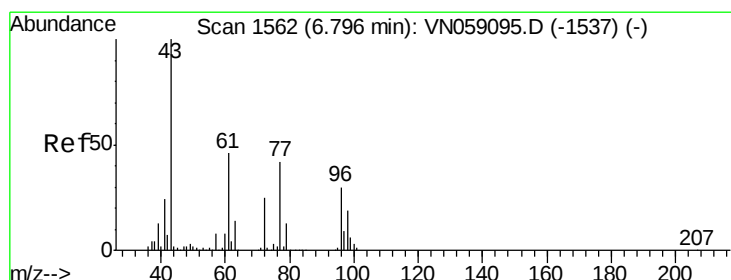
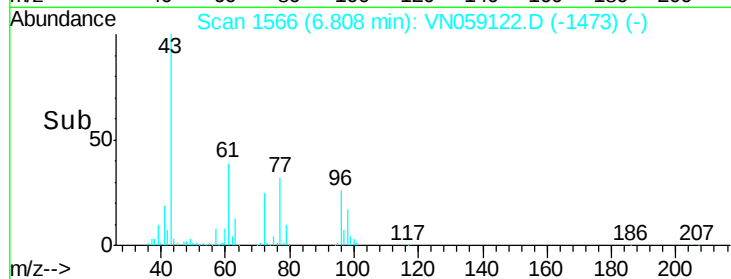
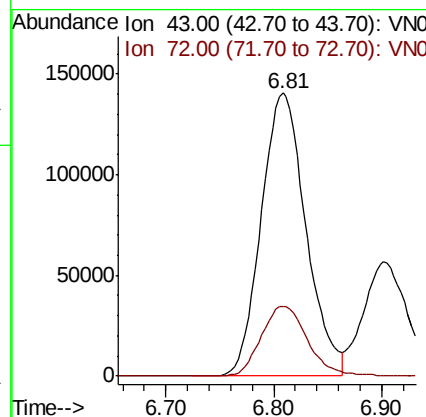
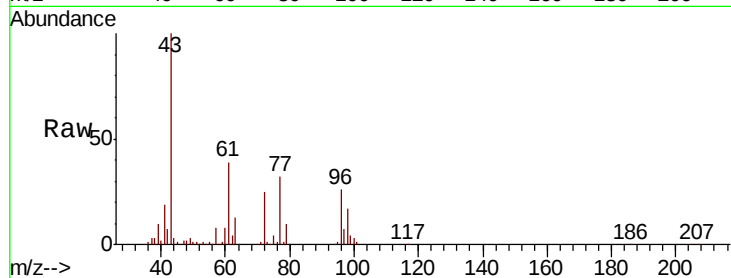
#25
2-Butanone
Concen: 100.360 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	43	Resp	404284
Ion Ratio	100	Lower	Upper
72	24.8	20.3	30.5

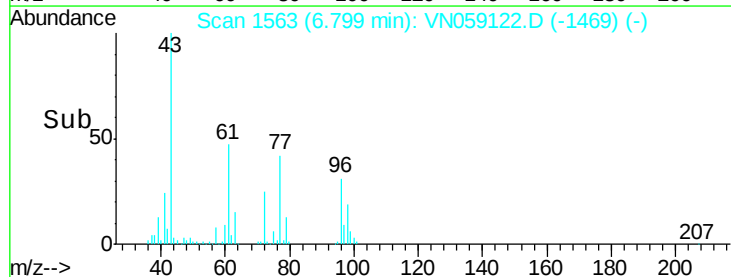
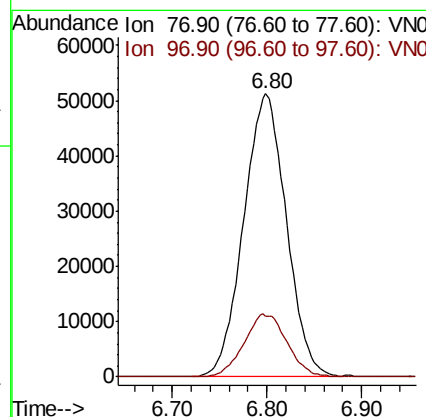
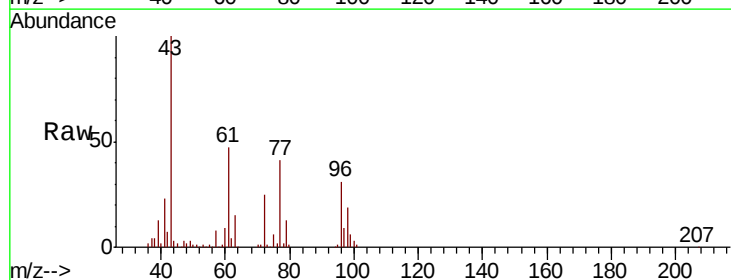
Manual Integrations
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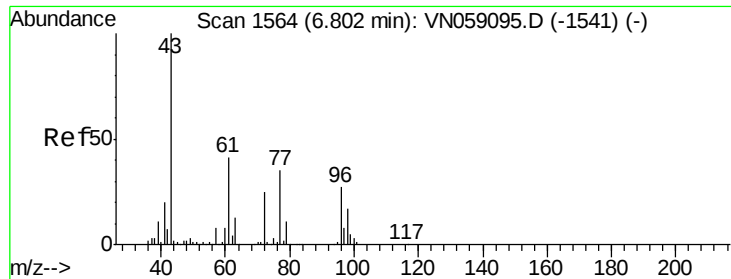
MMDadoda
11/8/2019 9:39:20 AM



#26
2,2-Dichloropropane
Concen: 19.007 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	77	Resp	160644
Ion Ratio	100	Lower	Upper
97	22.3	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 19.918 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

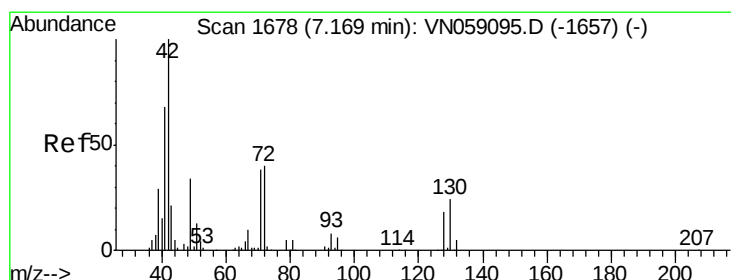
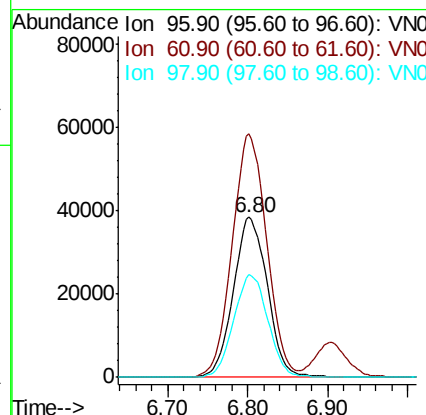
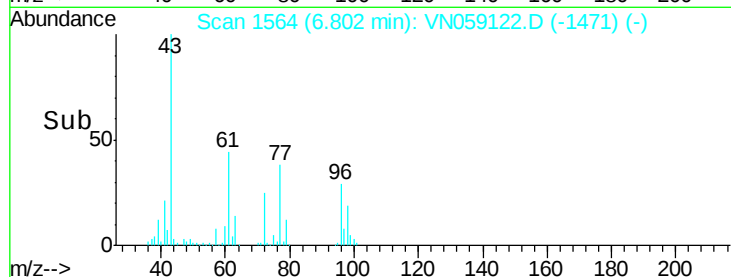
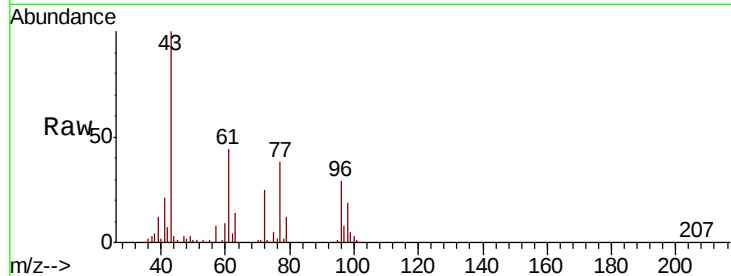
ClientSampleId :

VN1107WBSD02

Tot Ion:	96	Resp:	110635
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	311.6
98	64.5	0.0	129.8

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MMDadoda
11/8/2019 9:39:20 AM



#28

Bromochloromethane

Concen: 20.937 ug/l

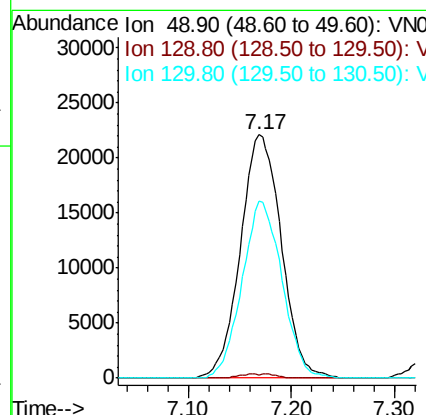
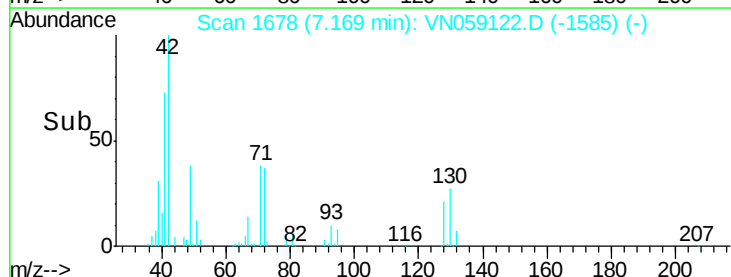
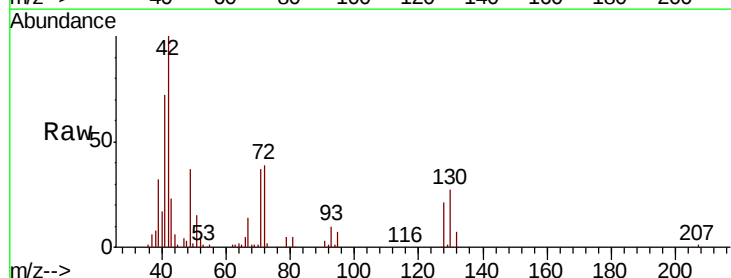
RT: 7.17 min Scan# 1678

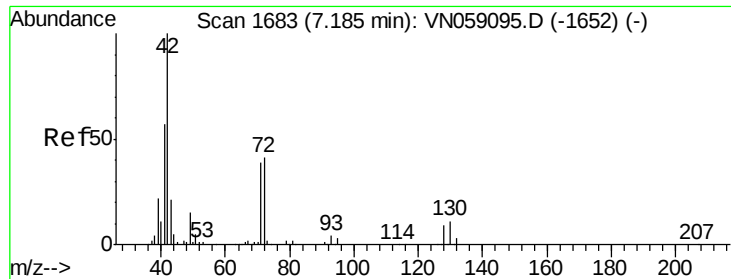
Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	49	Resp:	60886
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	71.0	55.6	83.4





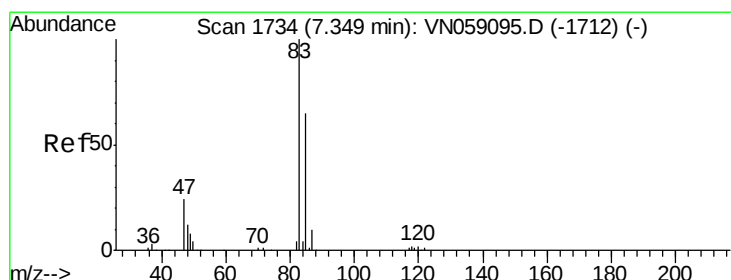
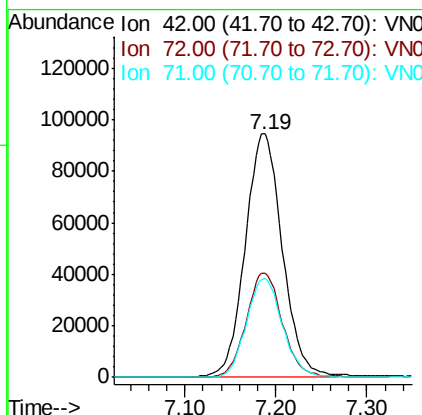
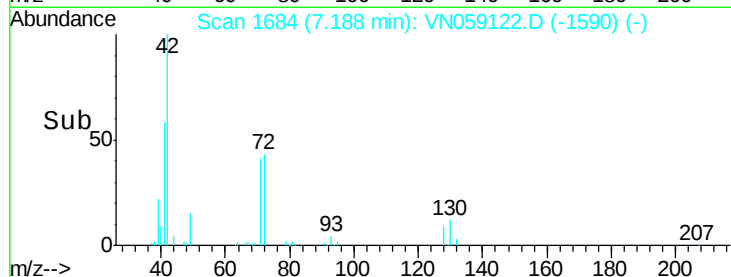
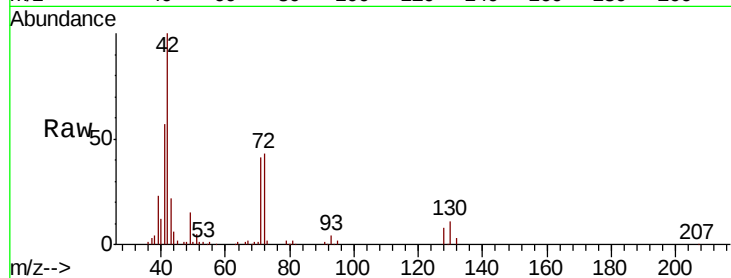
#29
Tetrahydrofuran
Concen: 104.167 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.1	49.7
71	39.8	30.9	46.3

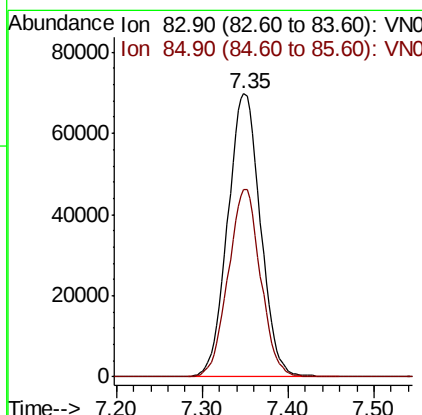
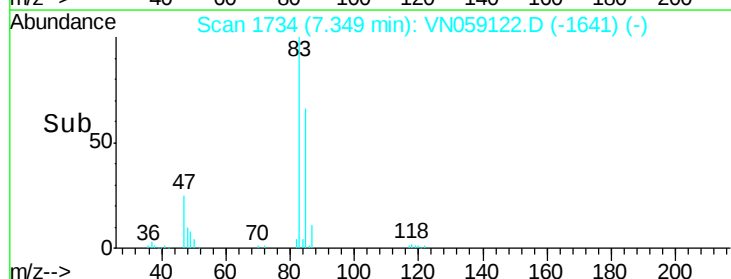
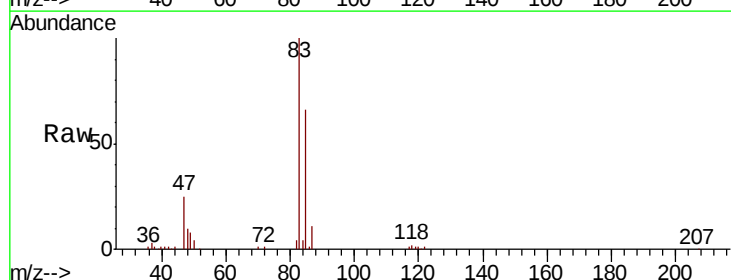
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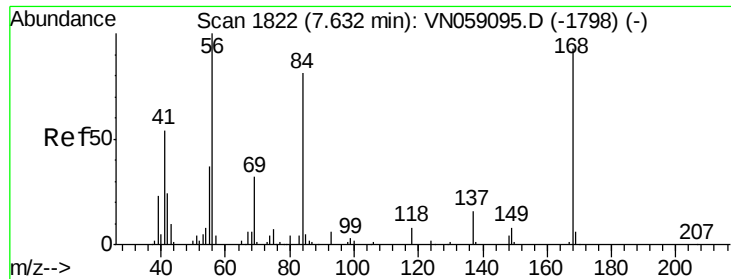
MMDadoda
11/8/2019 9:39:20 AM



#30
Chloroform
Concen: 19.911 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.8





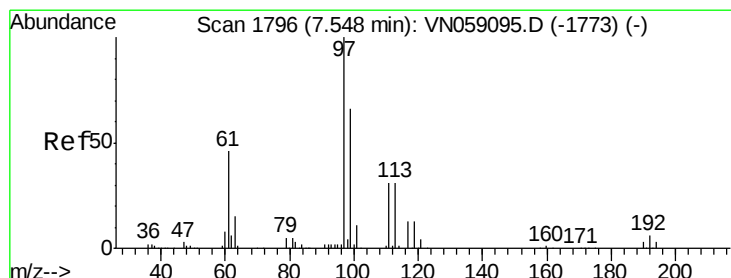
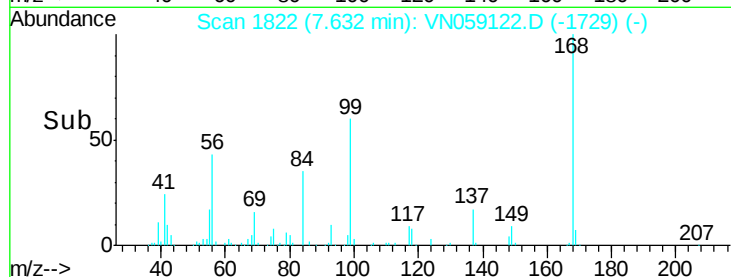
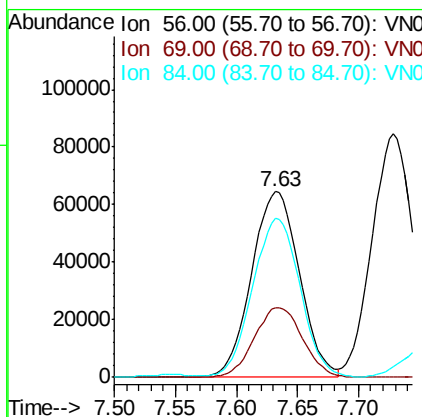
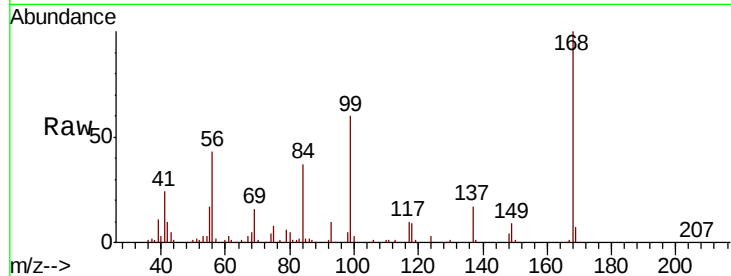
#31
Cyclohexane
Concen: 19.207 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	25.8	38.8
84	84.5	65.0	97.4

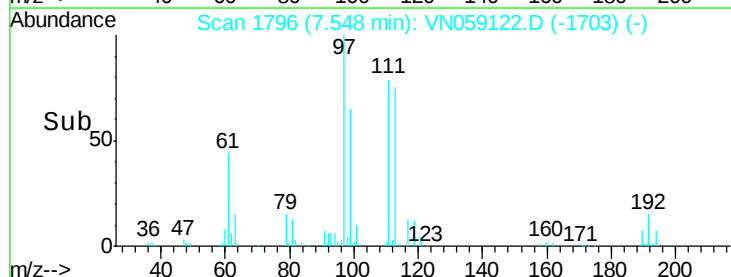
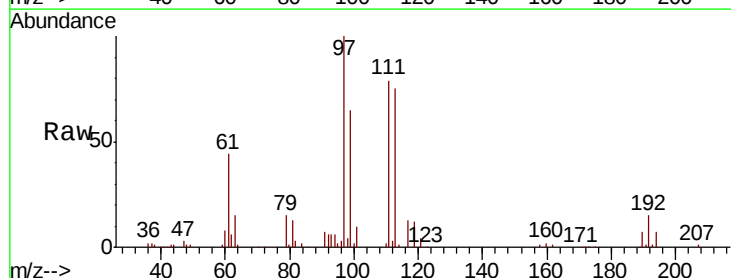
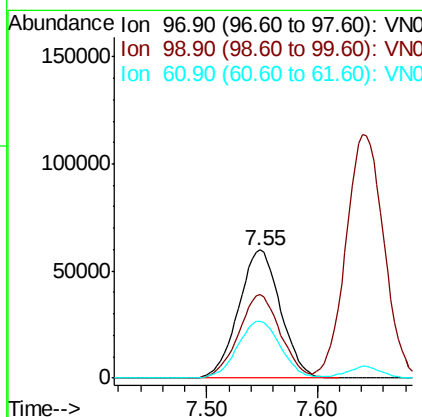
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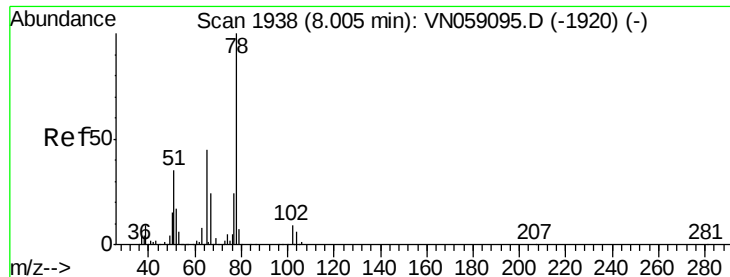
MMDadoda
11/8/2019 9:39:20 AM



#32
1,1,1-Trichloroethane
Concen: 20.224 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	45.5	35.8	53.8





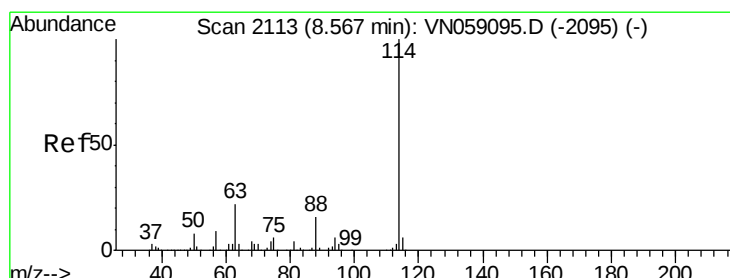
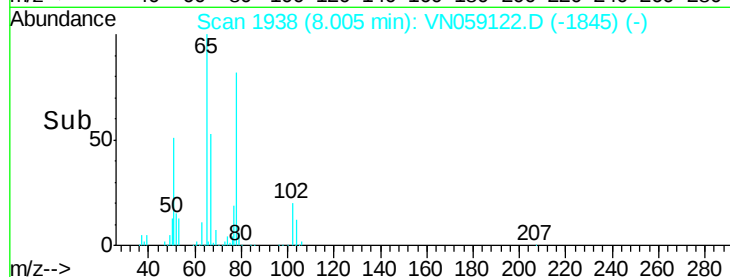
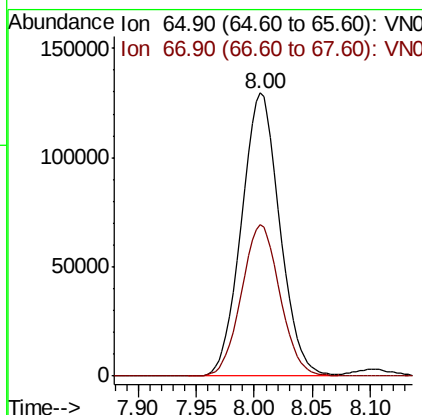
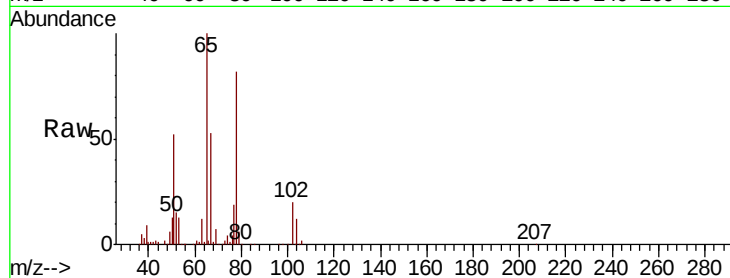
#33
 1,2-Dichloroethane-d4
 Concen: 50.784 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	107.4	

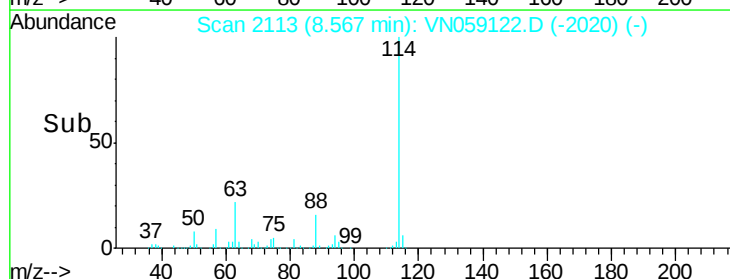
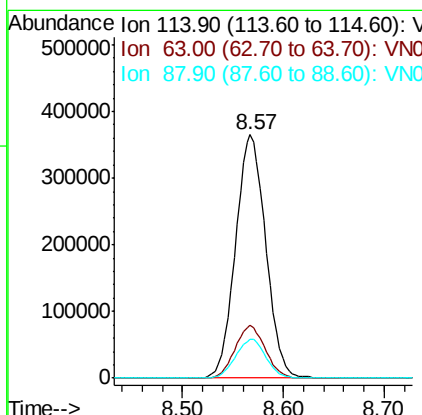
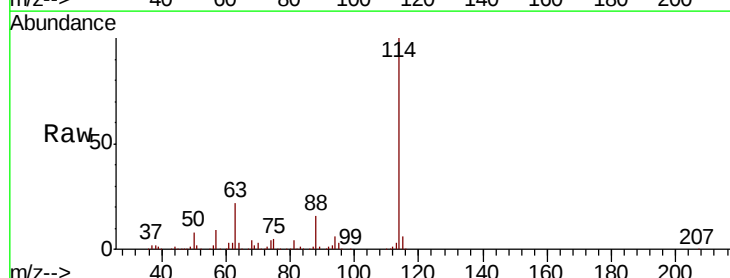
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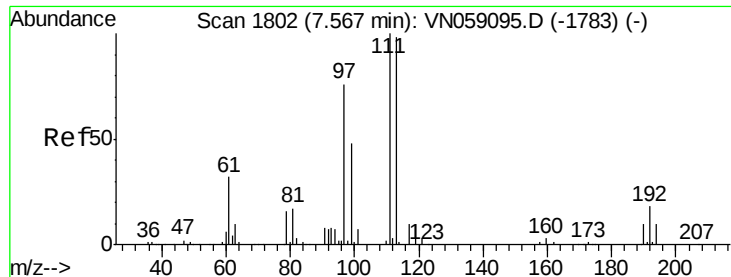
MMDadoda
 11/8/2019 9:39:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	43.4	
88	15.8	0.0	32.2	





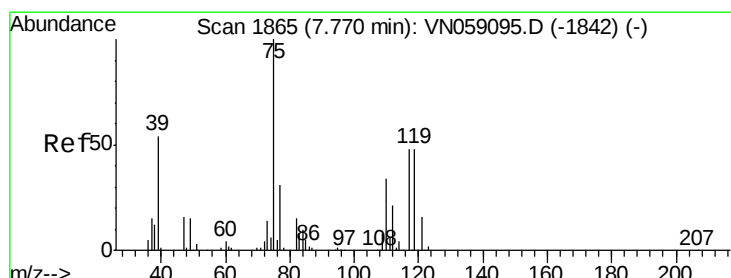
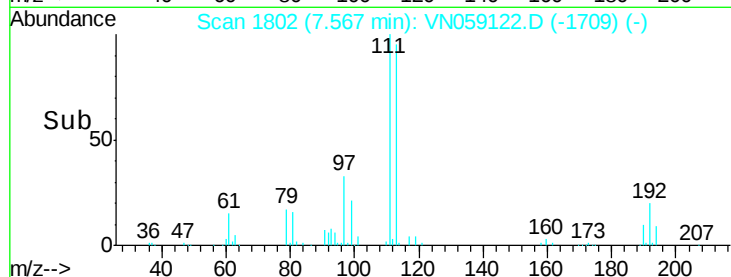
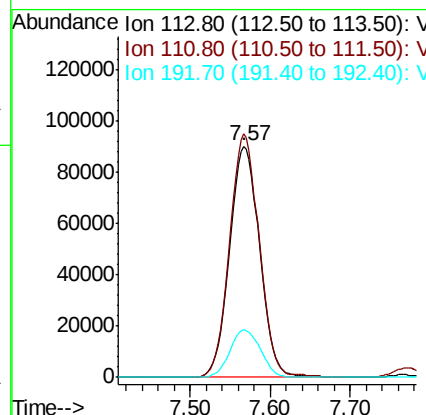
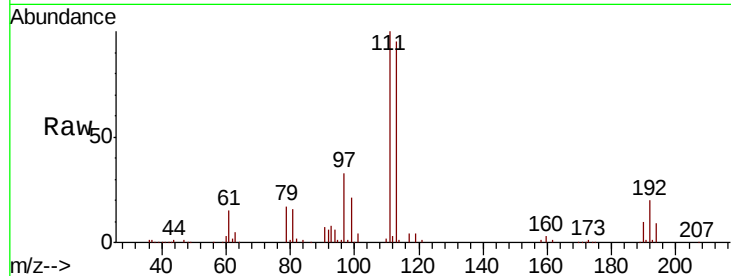
#35
Dibromofluoromethane
Concen: 51.126 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	230864		
111	103.2	82.8	124.2	
192	20.9	16.1	24.1	

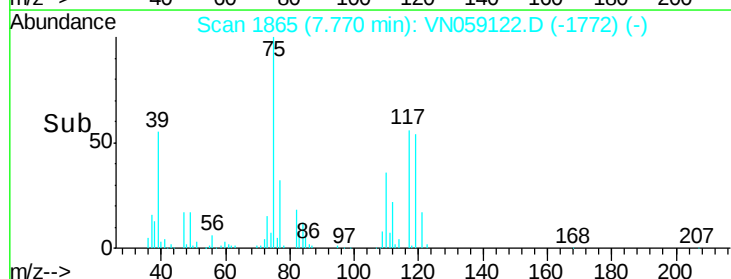
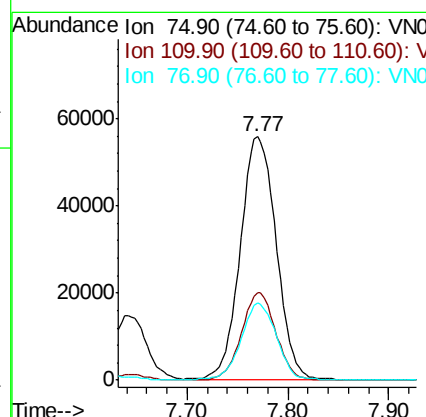
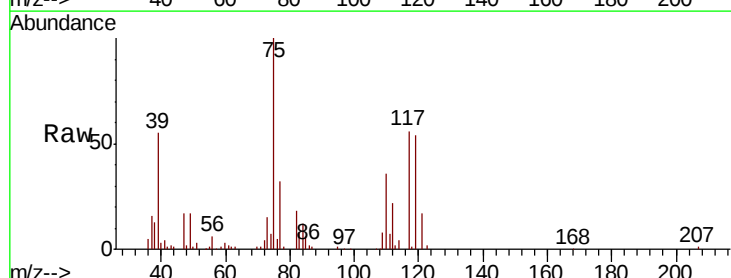
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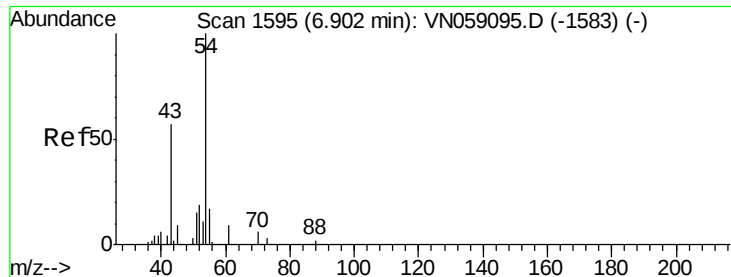
MMDadoda
11/8/2019 9:39:20 AM



#36
1,1-Dichloropropene
Concen: 19.390 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137068		
110	34.4	17.1	51.2	
77	31.4	24.8	37.2	





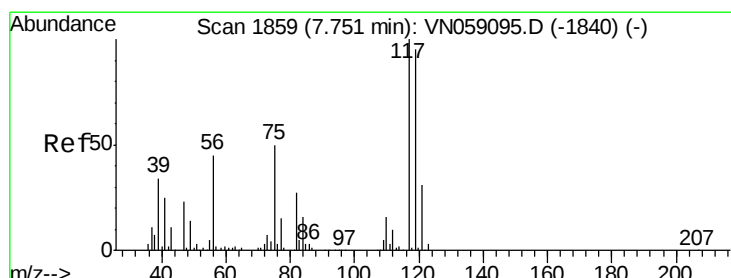
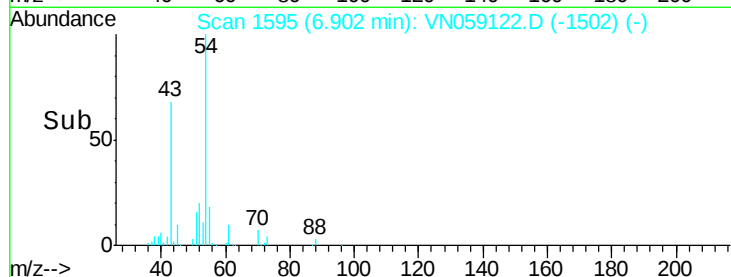
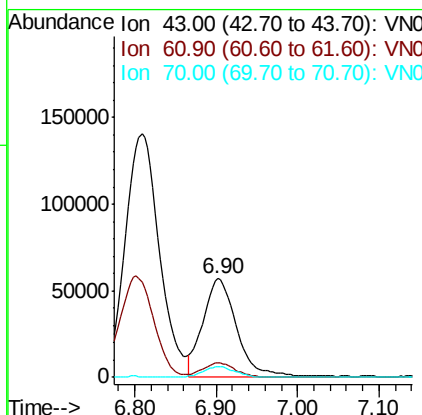
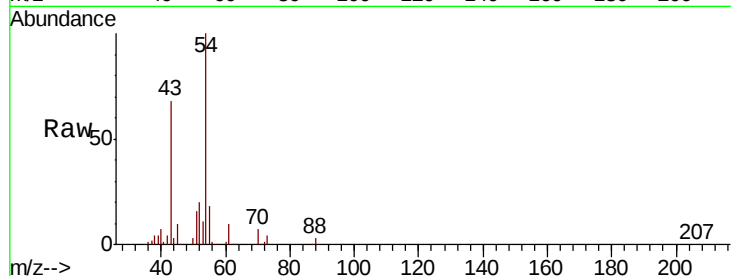
#37
Ethyl Acetate
Concen: 20.770 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.2	16.8
70	10.4	7.8	11.8

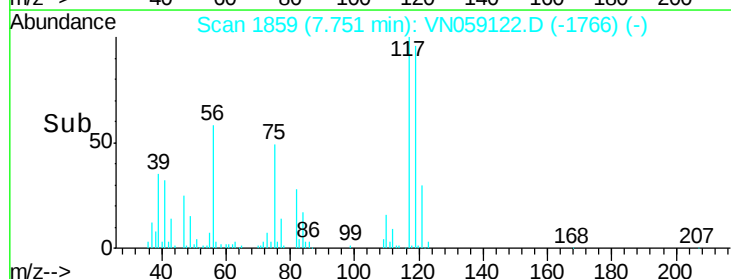
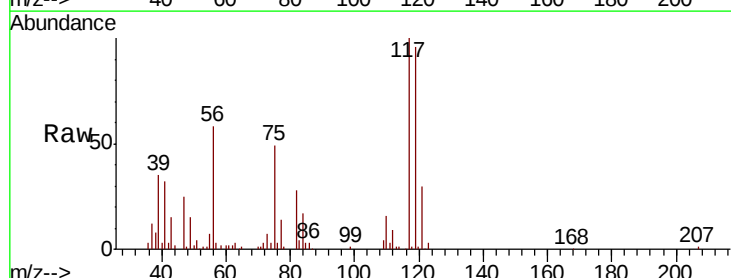
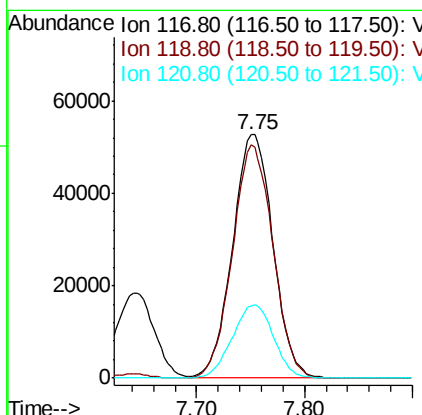
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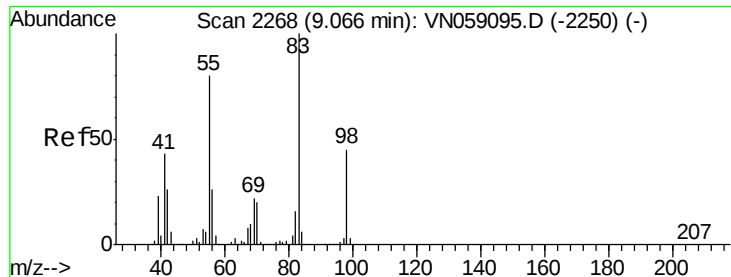
MMDadoda
11/8/2019 9:39:20 AM



#38
Carbon Tetrachloride
Concen: 19.533 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.6	113.4
121	29.7	24.6	36.8





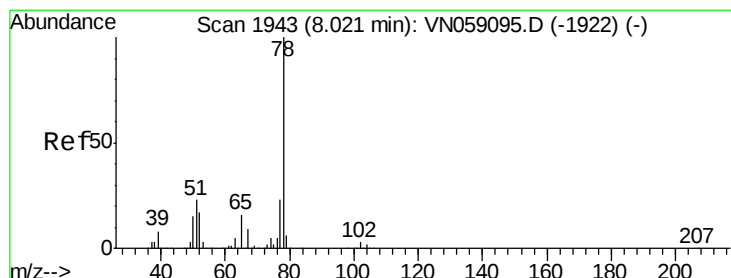
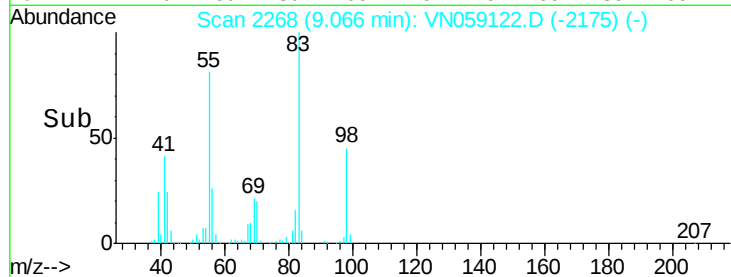
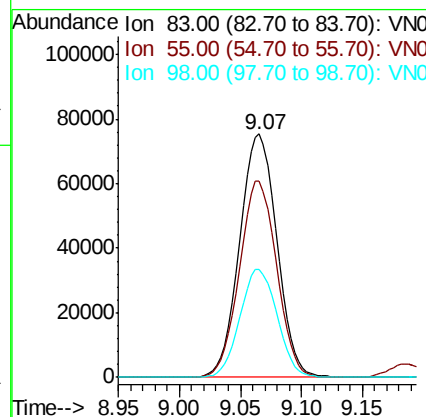
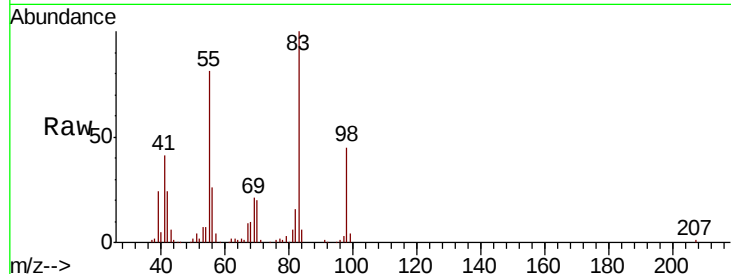
#39
Methvlcvclohexane
Concen: 19.414 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	63.9	95.9
98	44.6	35.6	53.4

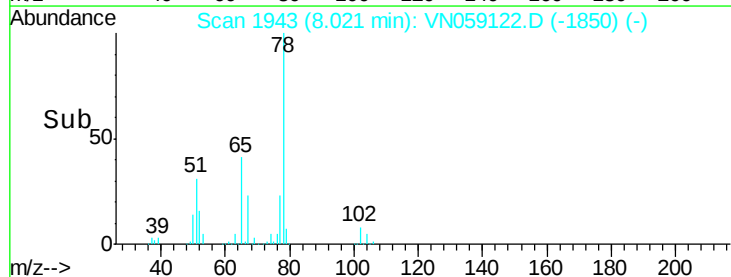
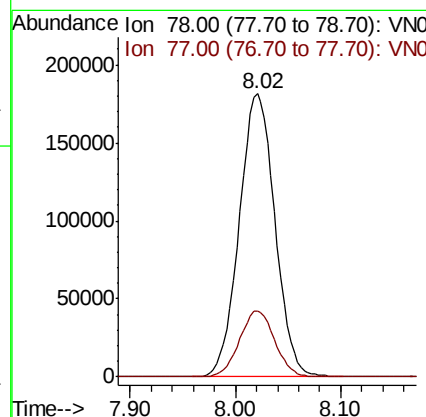
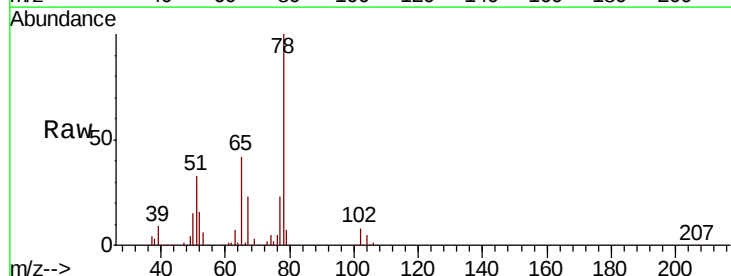
Manual Integrations
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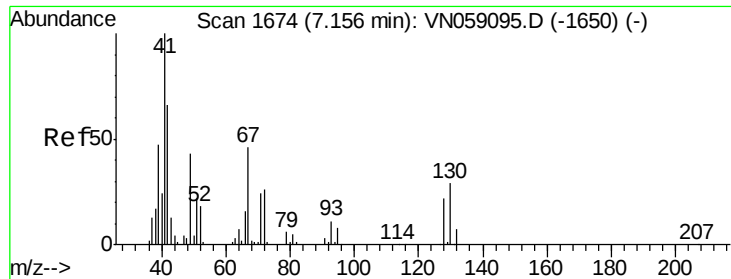
MMDadoda
11/8/2019 9:39:20 AM



#40
Benzene
Concen: 20.027 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





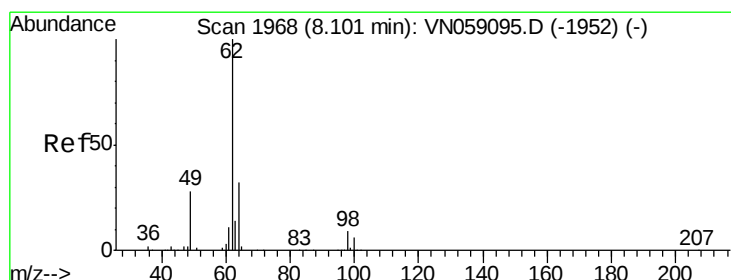
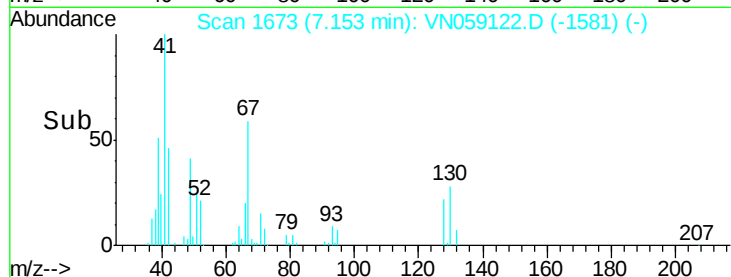
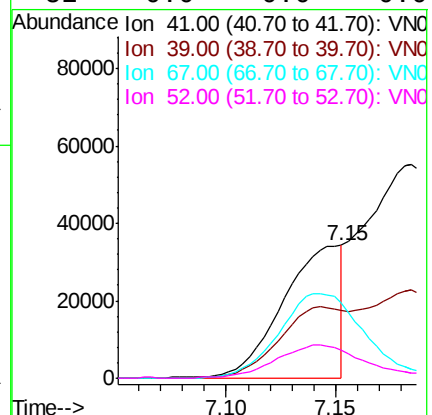
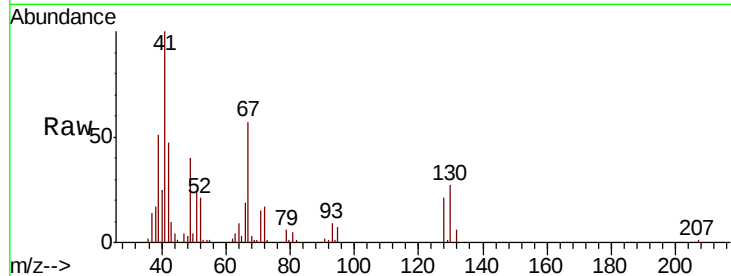
#41
Methacrylonitrile
Concen: 18.847 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

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

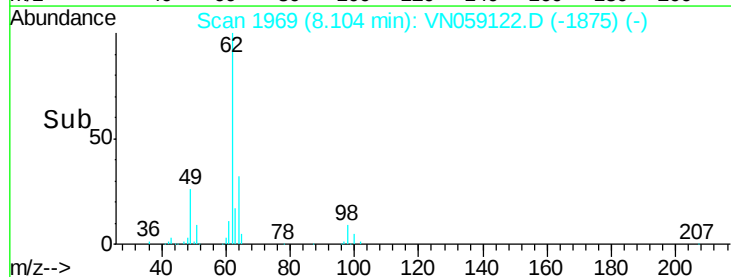
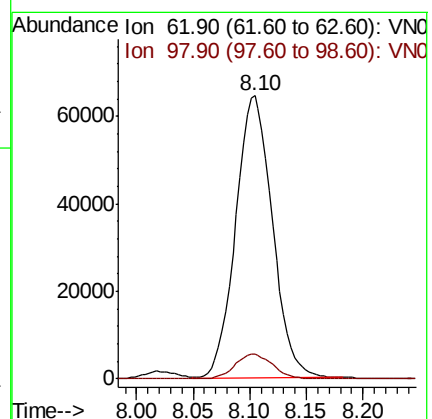
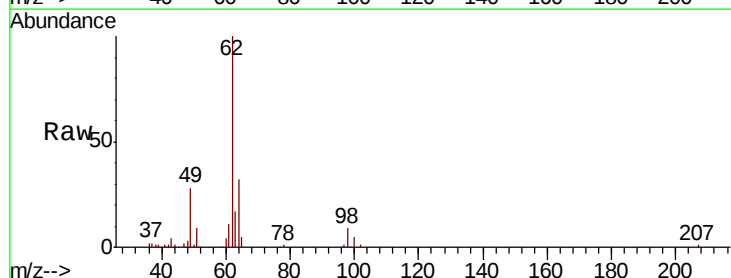
Manual Integrations
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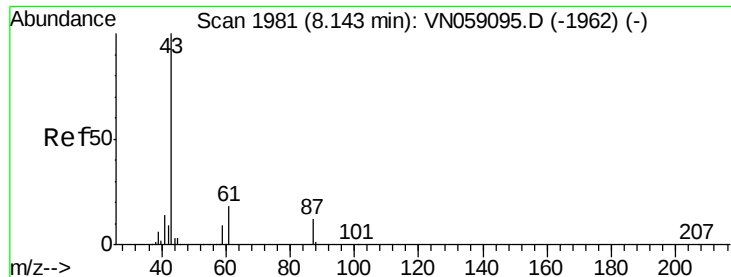
MMDadoda
11/8/2019 9:39:20 AM



#42
1,2-Dichloroethane
Concen: 20.052 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.8	





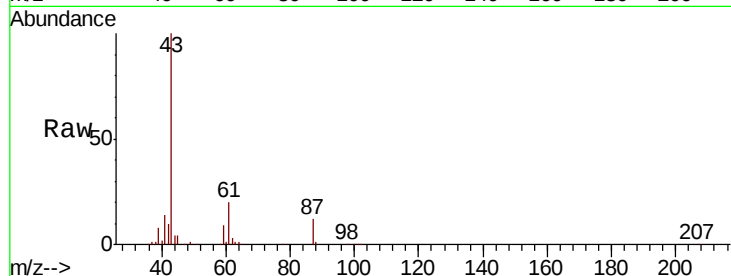
#43
Isopropyl Acetate
Concen: 19.781 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.0	31.6
87	12.4	9.8	14.6

Manual Integrations
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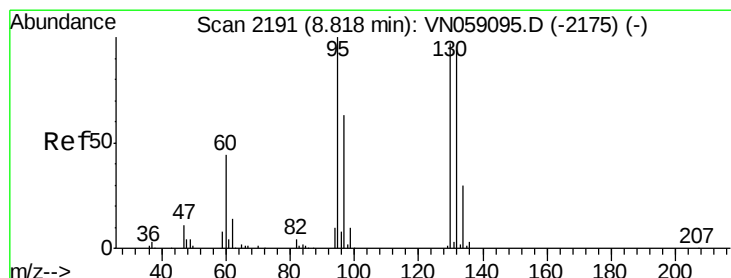
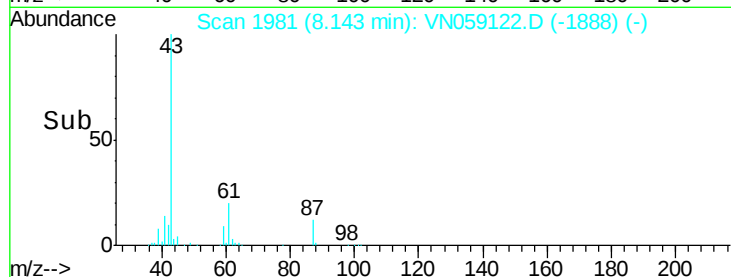
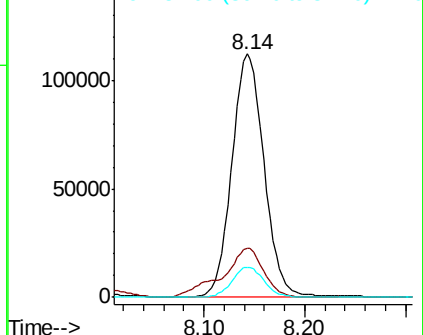
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VN059122.D (-1888) (-)

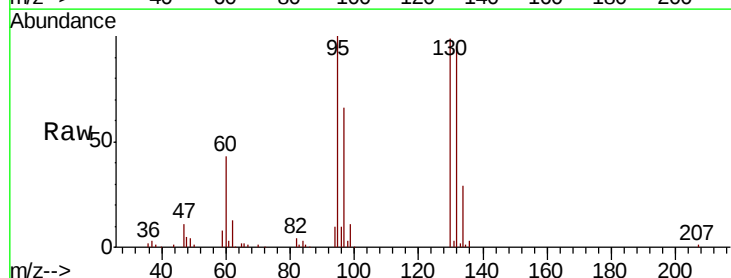
Ion 61.00 (60.70 to 61.70): VN059122.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059122.D (-1888) (-)



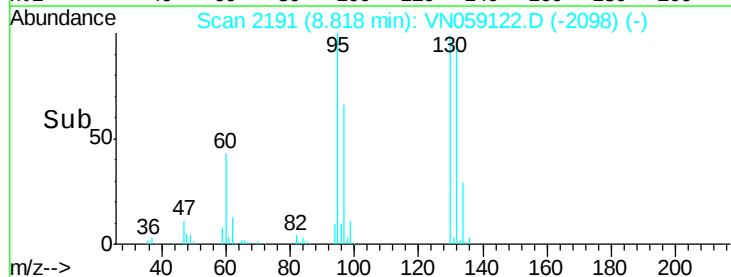
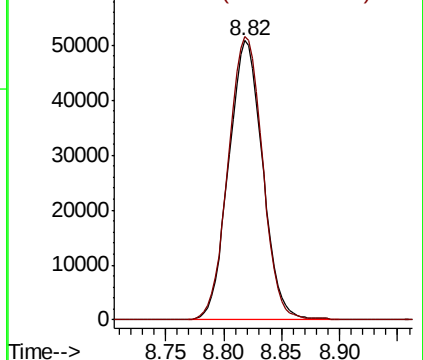
#44
Trichloroethene
Concen: 19.715 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

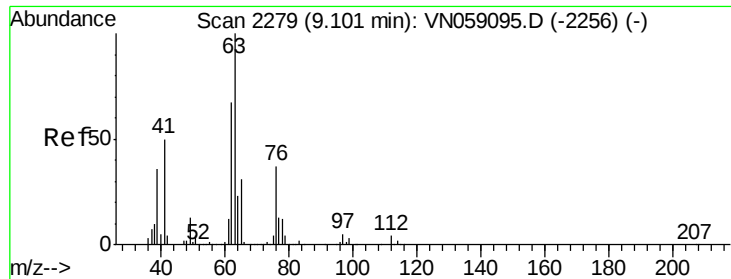
Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059122.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059122.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.121 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 63 Resp: 116338

Ion Ratio Lower Upper

63 100

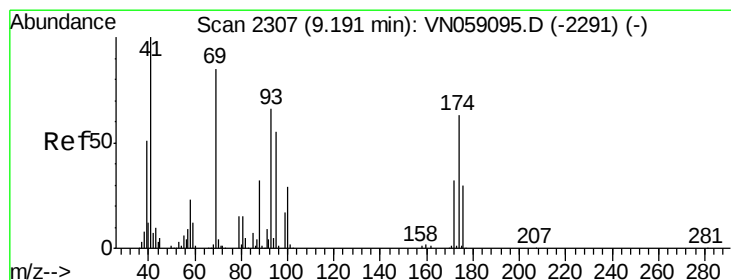
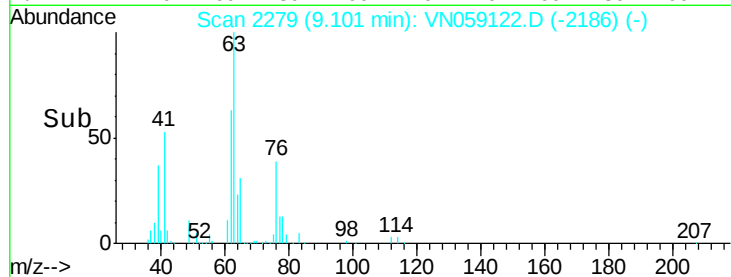
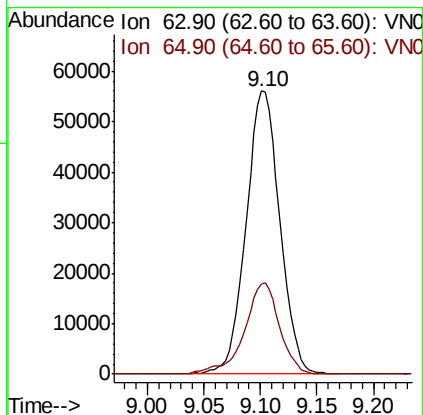
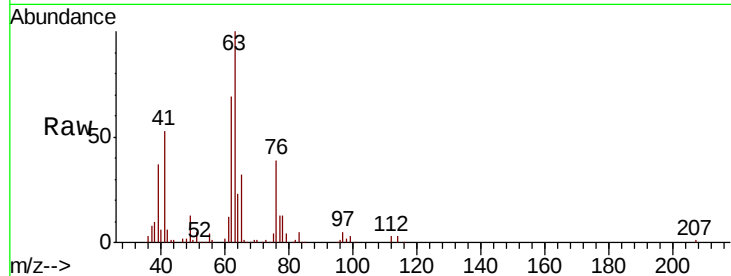
65 32.0 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.826 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

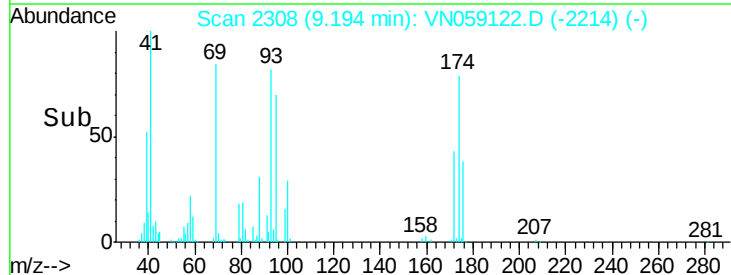
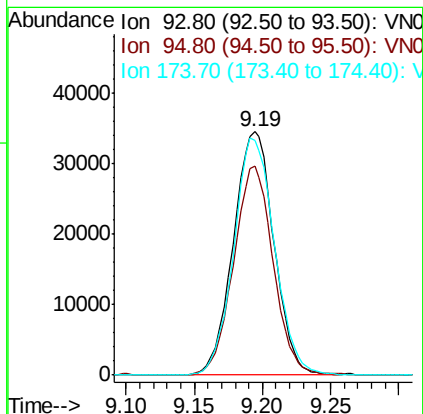
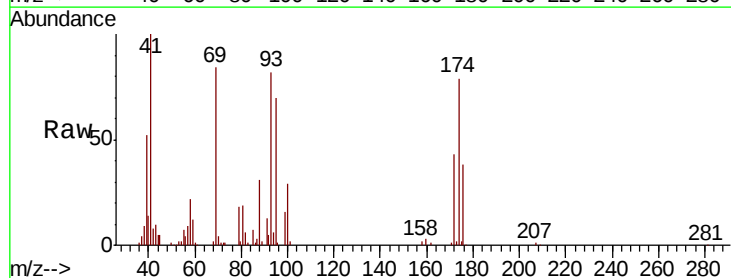
Tgt Ion: 93 Resp: 71432

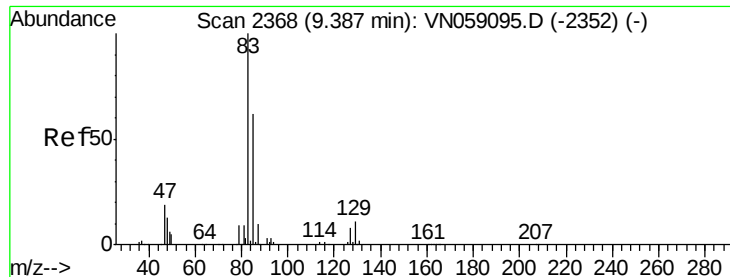
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 97.6 78.2 117.2





#47

Bromodichloromethane

Concen: 20.061 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

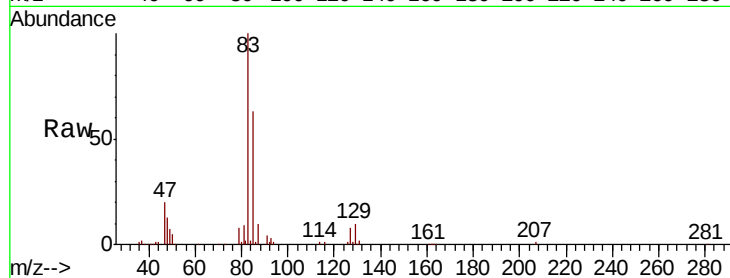
ClientSampleId :

VN1107WBSD02

Tot Ion:	83	Resp:	144331
Ion Ratio	Lower	Upper	
83	100		
85	62.6	49.7	74.5
127	8.3	6.4	9.6

Manual Integrations
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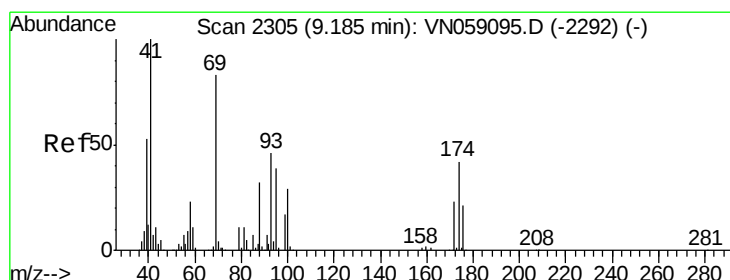
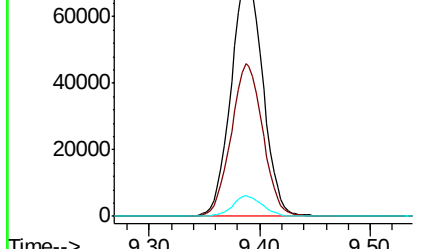
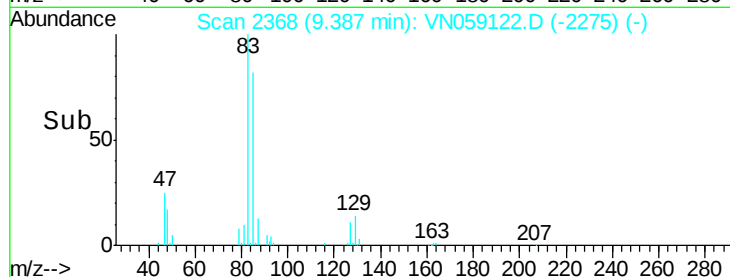


Abundance Ion 82.90 (82.60 to 83.60): VN059122.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059122.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059122.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 19.490 ug/l

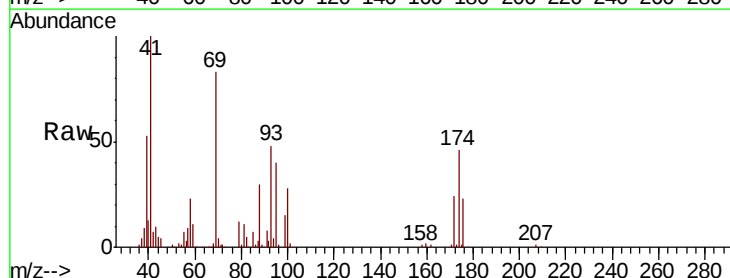
RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	41	Resp:	109296
Ion Ratio	Lower	Upper	
41	100		
69	84.9	67.3	100.9
39	53.4	43.3	64.9

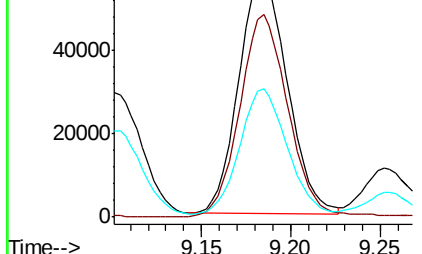
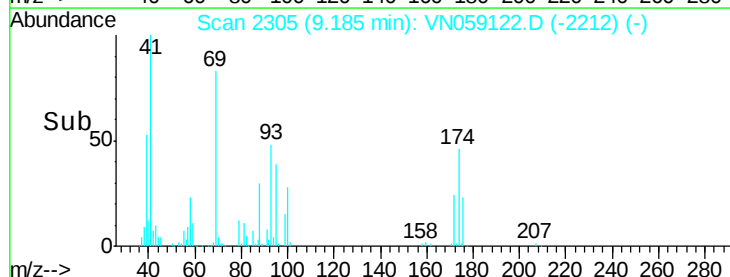


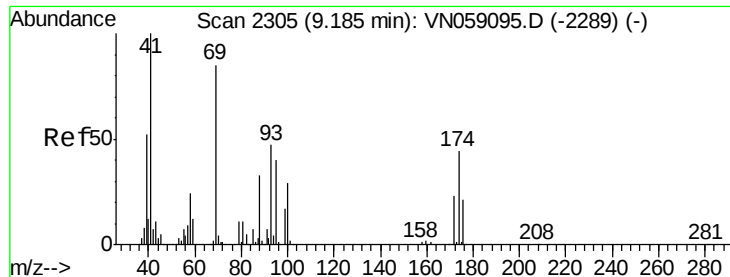
Abundance Ion 41.00 (40.70 to 41.70): VN059122.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059122.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059122.D (-2212) (-)

Time-->





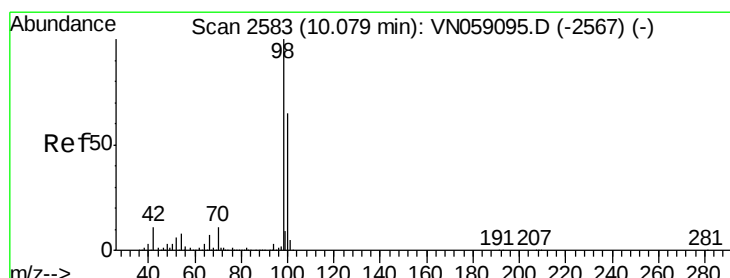
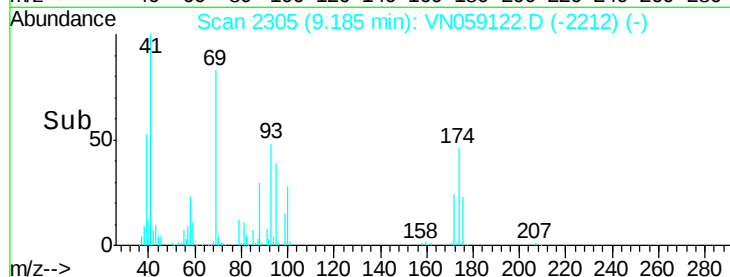
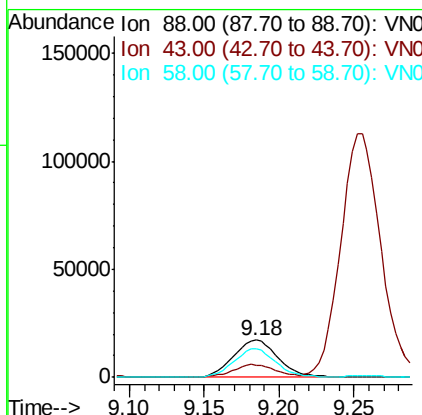
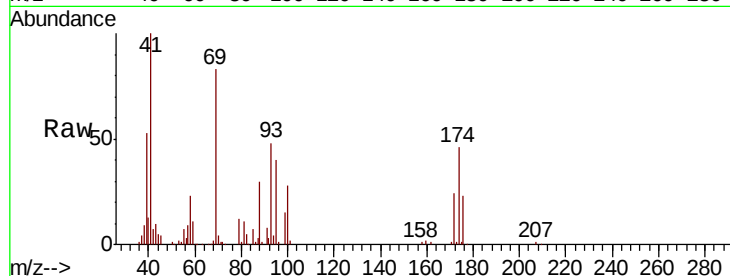
#49
1,4-Dioxane
Concen: 361.858 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	26.3	39.5
58	73.3	60.6	90.8

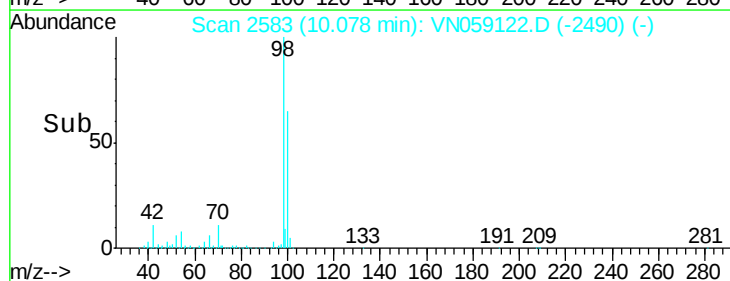
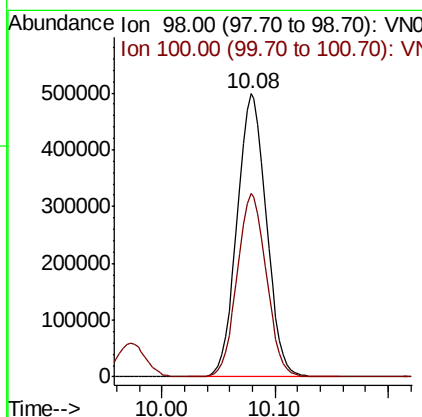
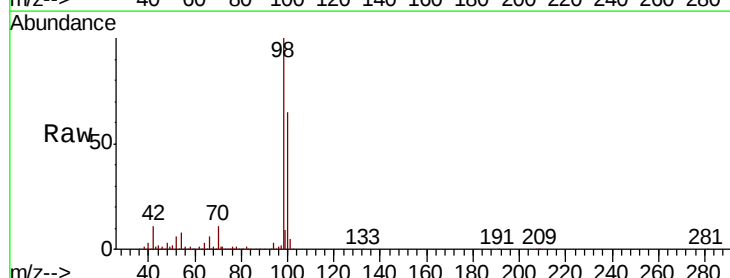
Manual Integrations
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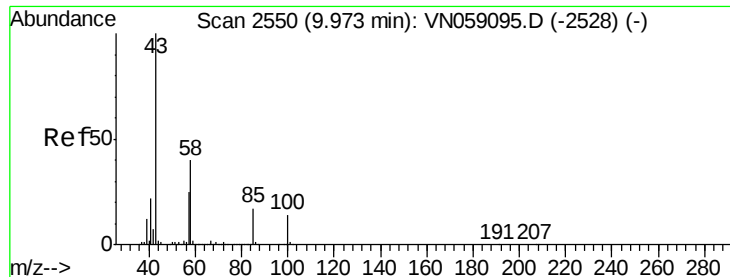
MMDadoda
11/8/2019 9:39:20 AM



#50
Toluene-d8
Concen: 50.655 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 111.332 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 43 Resp: 789757

Ion Ratio Lower Upper

43 100

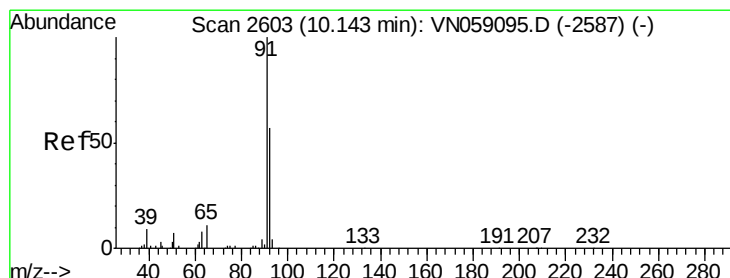
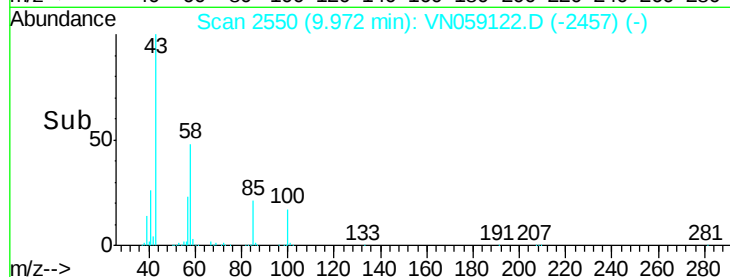
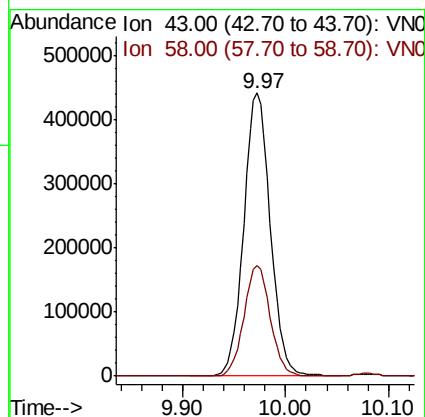
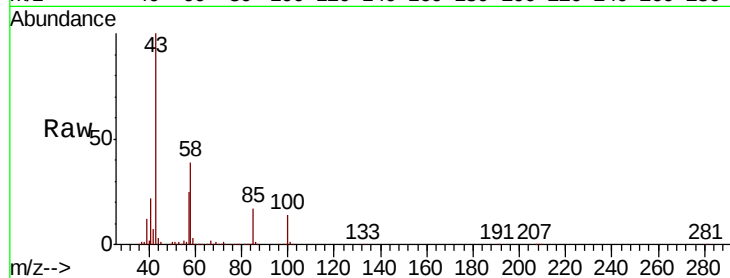
58 38.8 31.5 47.3

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#52

Toluene

Concen: 19.845 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059122.D

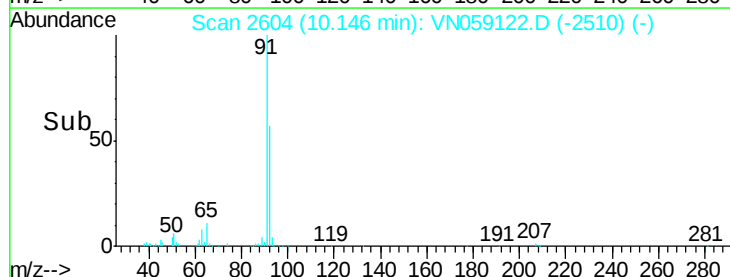
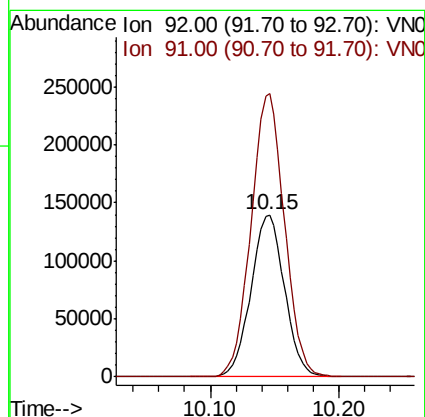
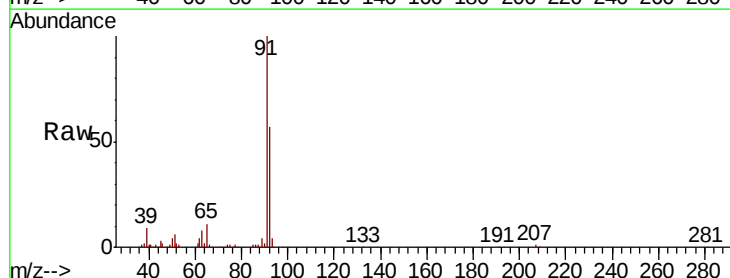
Acq: 7 Nov 2019 15:10

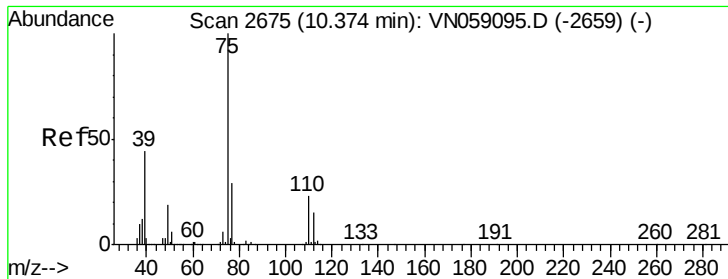
Tgt Ion: 92 Resp: 253191

Ion Ratio Lower Upper

92 100

91 174.6 139.5 209.3





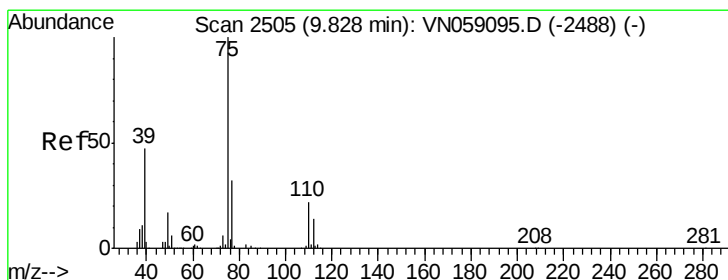
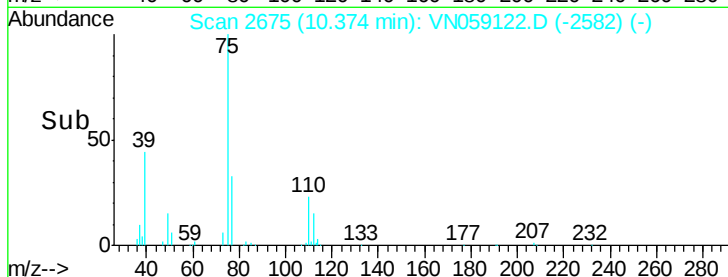
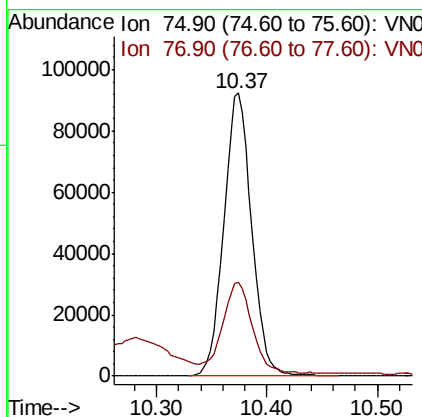
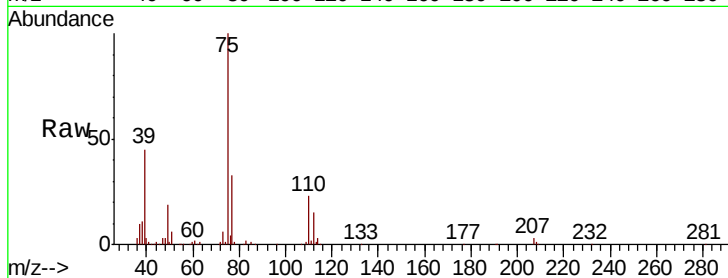
#53
t-1,3-Dichloropropene
Concen: 19.217 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9

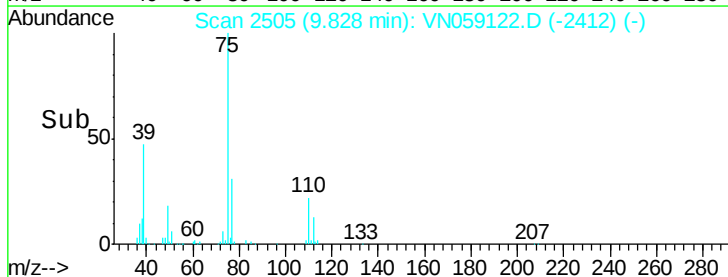
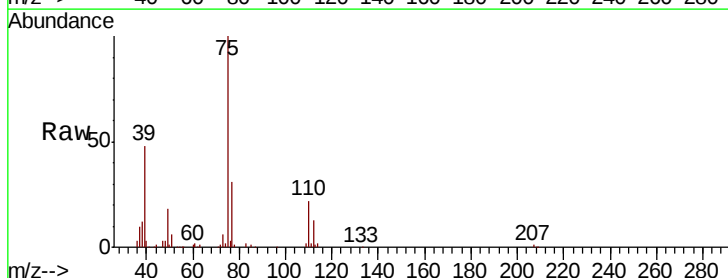
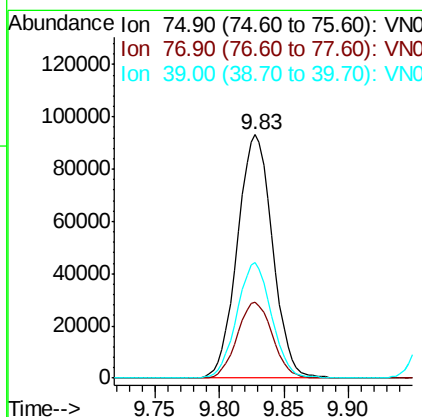
Manual Integrations
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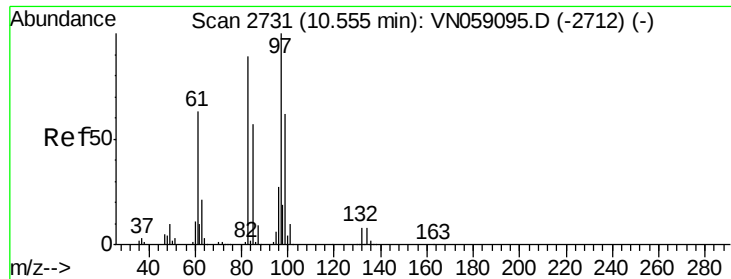
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.785 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3
39	47.3	37.3	55.9





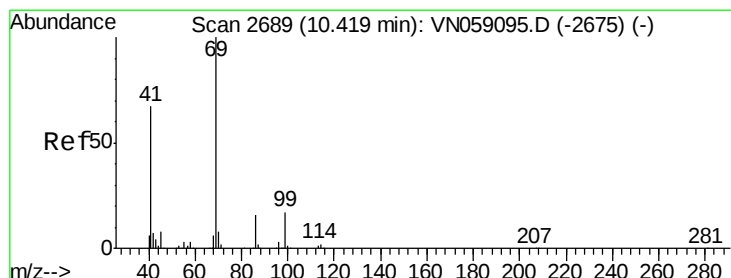
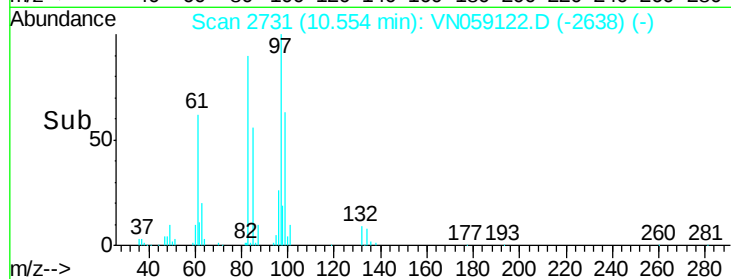
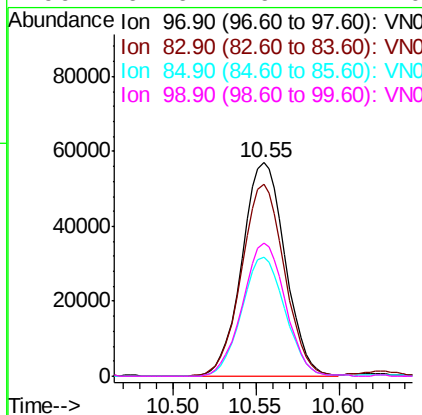
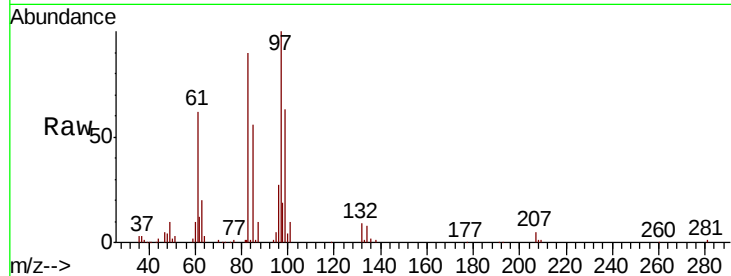
#55
 1,1,2-Trichloroethane
 Concen: 20.012 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD02

Tot Ion:	97	Resp:	103333
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.0	106.4
85	55.9	45.8	68.8
99	62.6	49.4	74.0

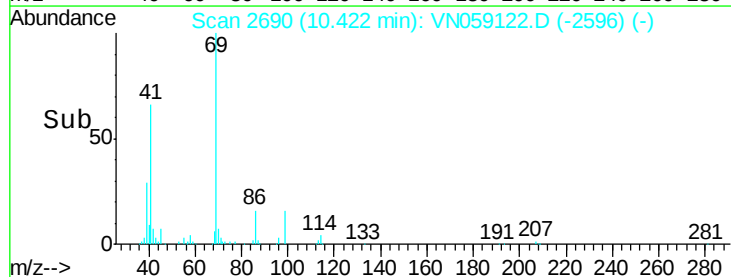
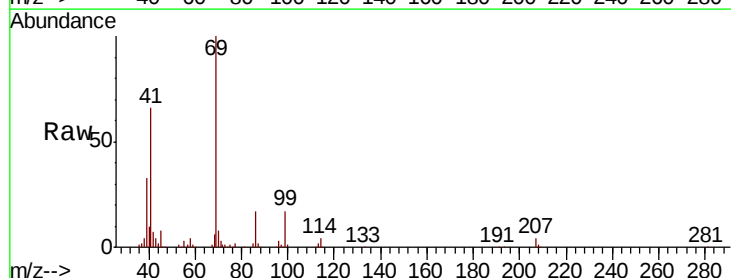
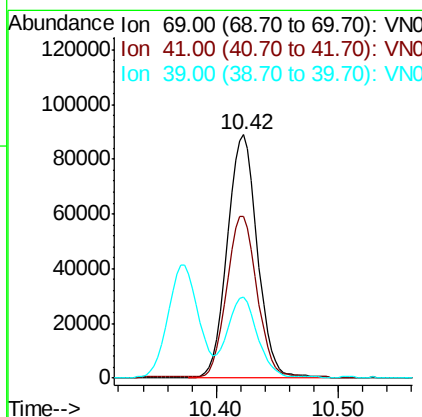
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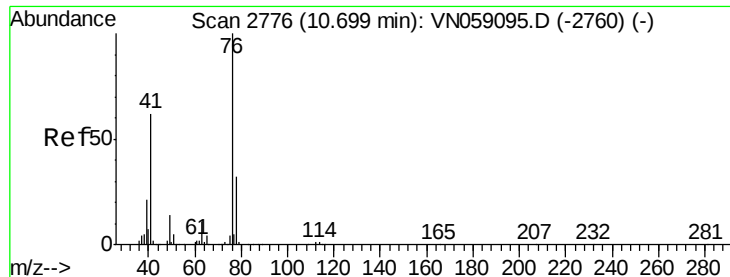
MMDadoda
 11/8/2019 9:39:20 AM



#56
 Ethyl methacrylate
 Concen: 19.055 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Tgt Ion:	69	Resp:	153730
Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.6	80.4
39	32.8	26.2	39.4





#57

1,3-Dichloropropane

Concen: 20.045 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 76 Resp: 178137

Ion Ratio Lower Upper

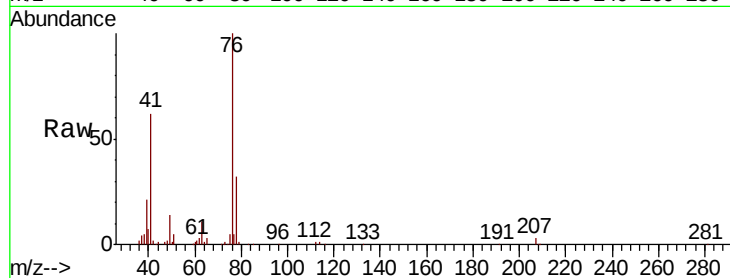
76 100

78 32.4 25.8 38.8

Manual Integrations
APPROVED

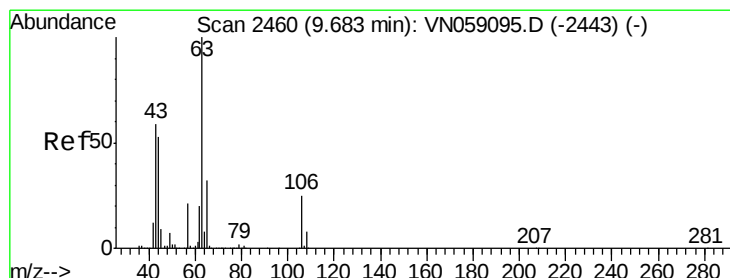
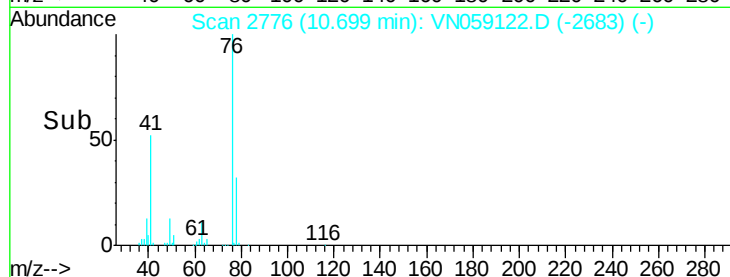
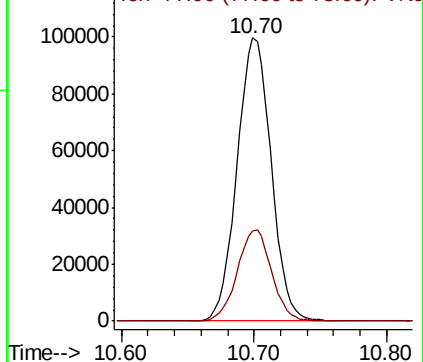
MMDadoda

11/8/2019 9:39:20 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 106.599 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059122.D

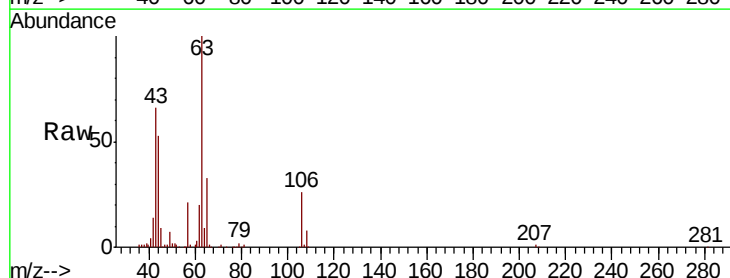
Acq: 7 Nov 2019 15:10

Tgt Ion: 63 Resp: 306328

Ion Ratio Lower Upper

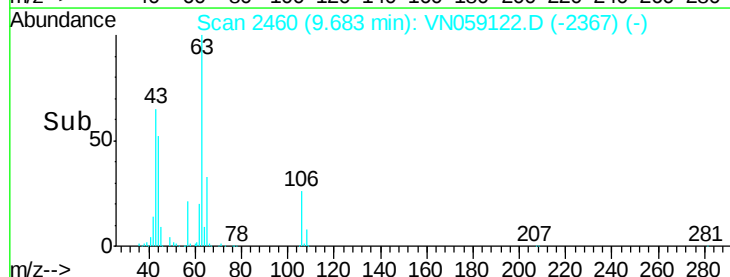
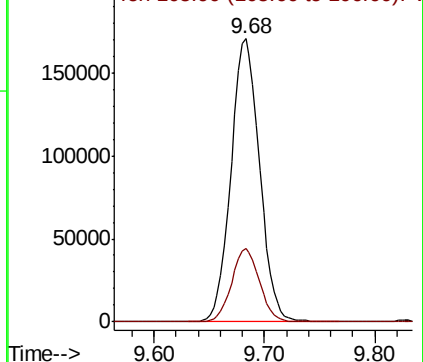
63 100

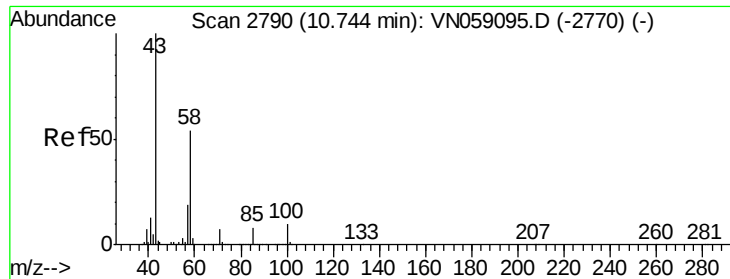
106 25.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





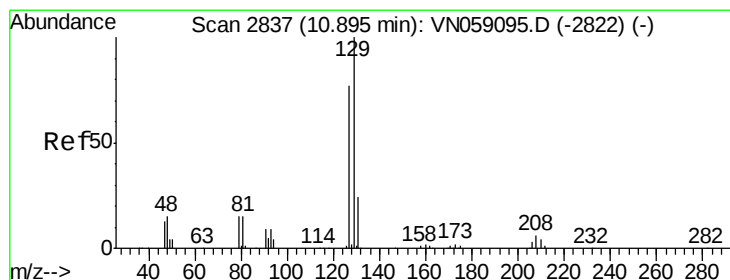
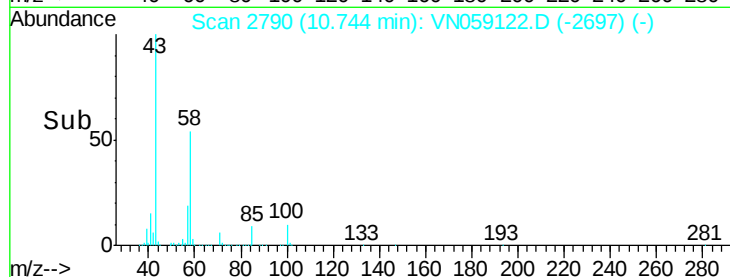
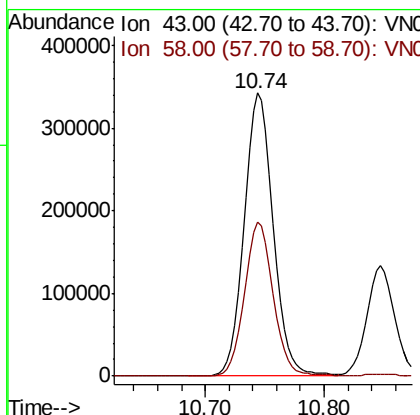
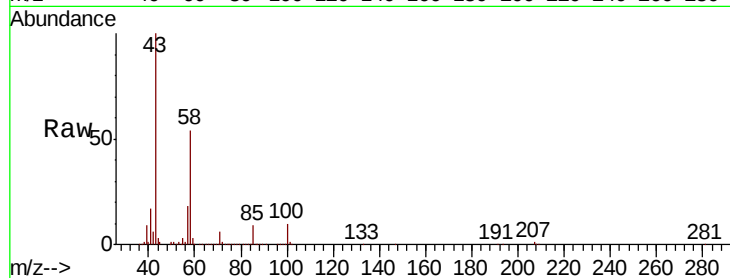
#59
2-Hexanone
Concen: 106.018 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion: 43 Resp: 577246
Ion Ratio Lower Upper
43 100
58 54.0 27.3 81.8

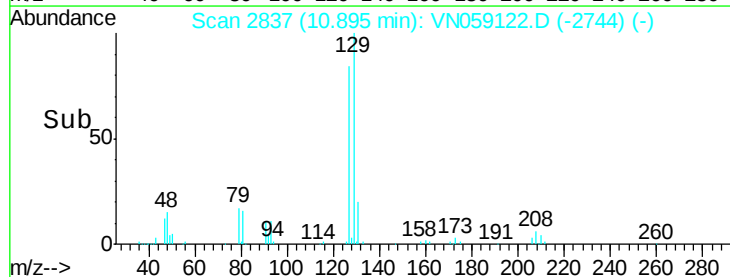
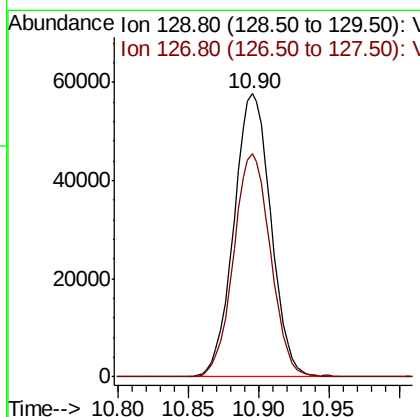
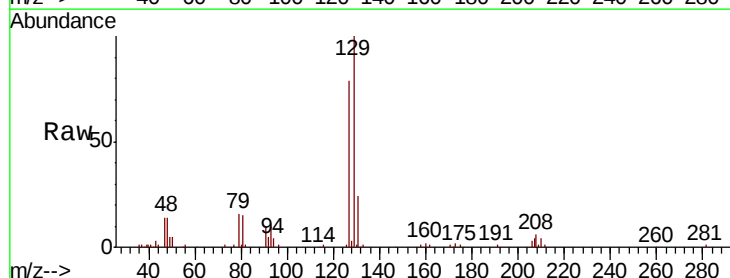
Manual Integrations
APPROVED

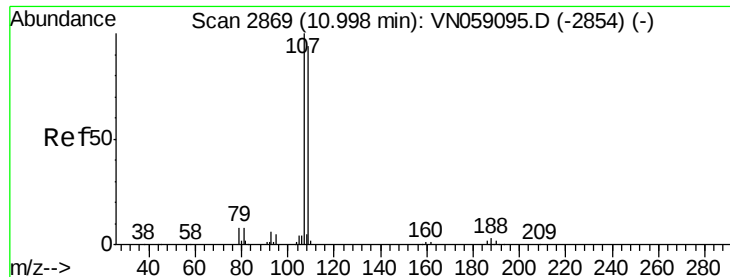
MMDadoda
11/8/2019 9:39:20 AM



#60
Dibromochloromethane
Concen: 19.441 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion: 129 Resp: 106133
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





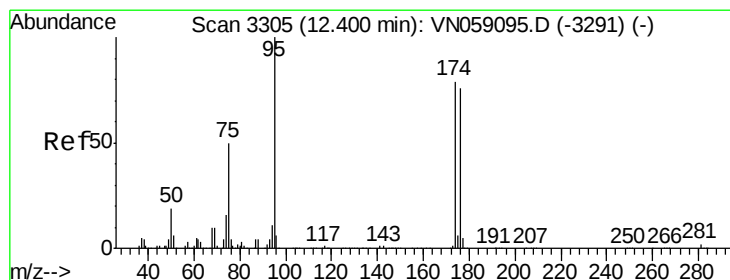
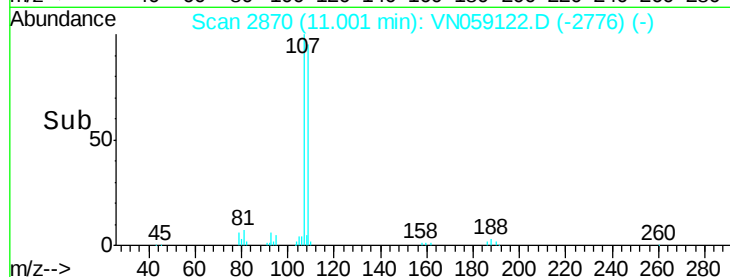
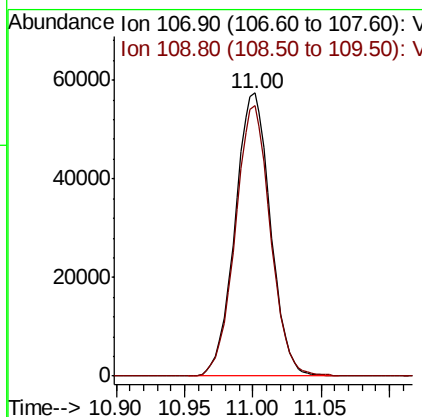
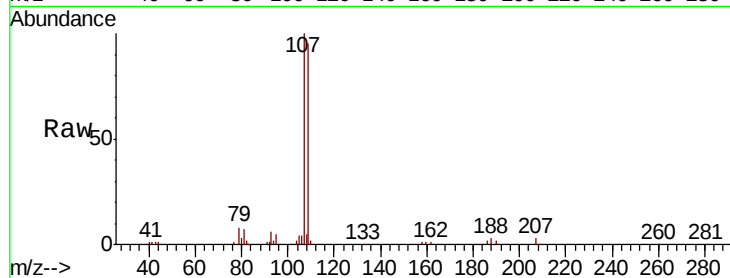
#61
 1,2-Dibromoethane
 Concen: 19.817 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	103584		
109	94.7	75.5	113.3	

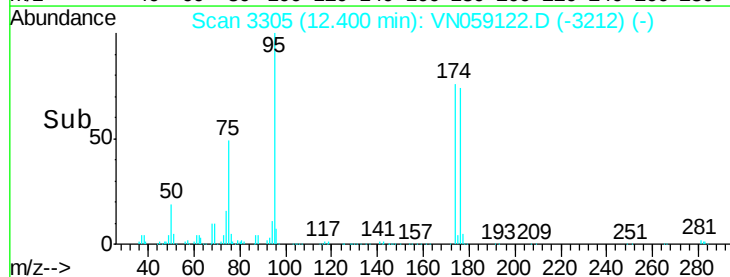
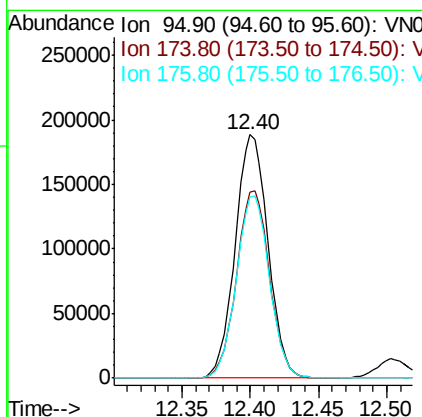
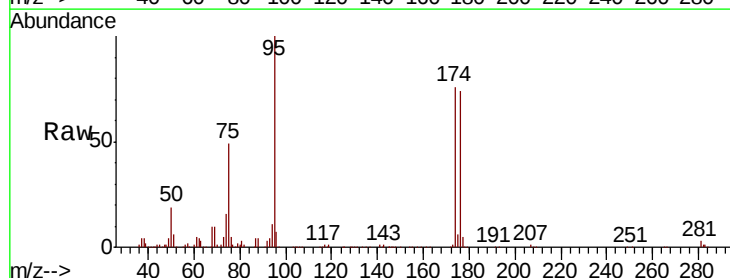
Manual Integrations
 APPROVED

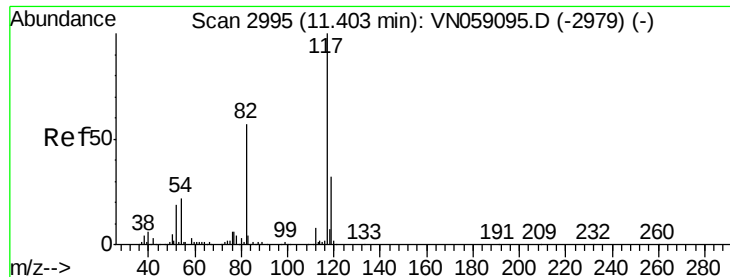
MMDadoda
 11/8/2019 9:39:20 AM



#62
 4-Bromofluorobenzene
 Concen: 49.116 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	314986		
174	77.4	0.0	158.2	
176	75.4	0.0	151.8	





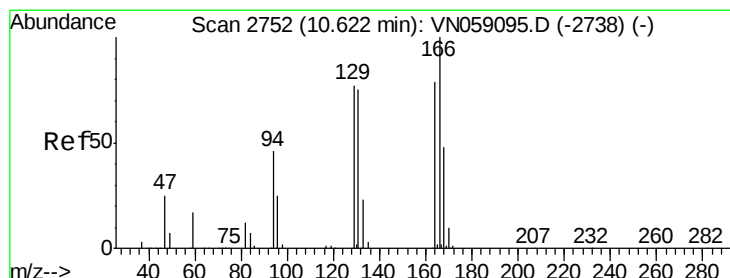
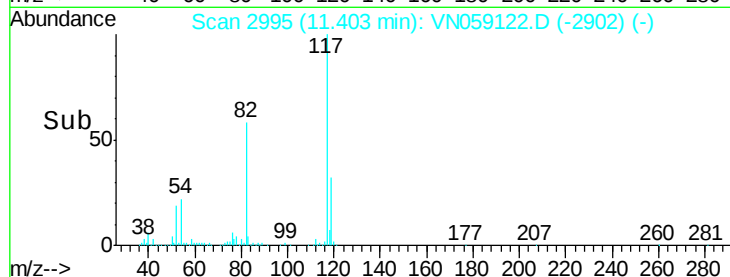
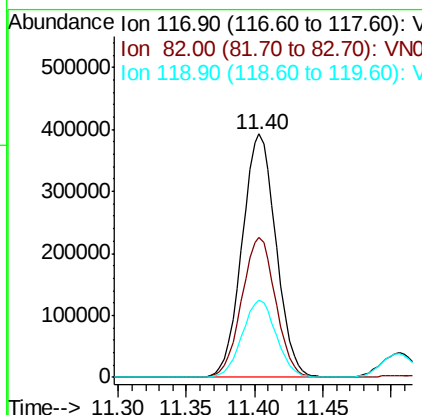
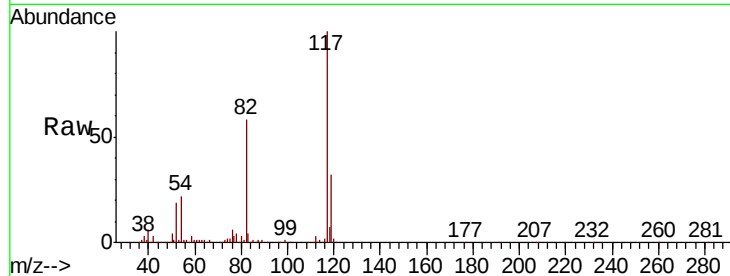
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.8	68.8
119	31.6	25.8	38.6

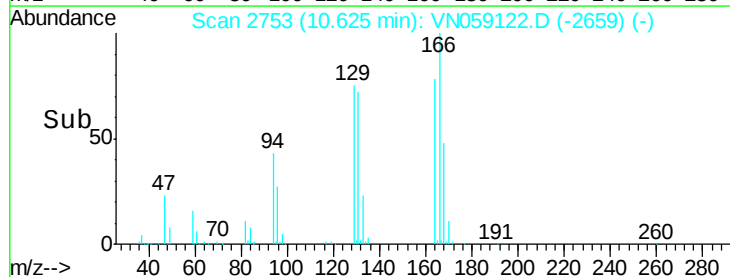
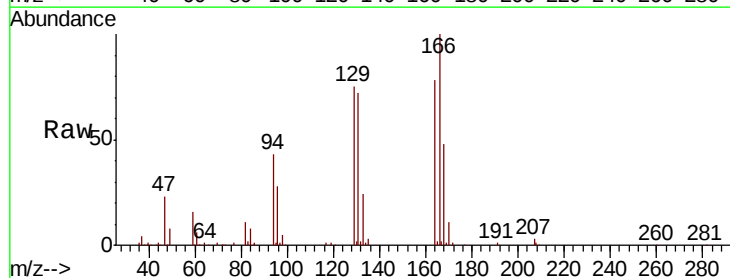
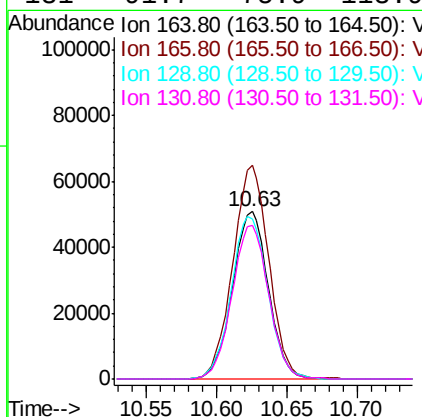
Manual Integrations
APPROVED

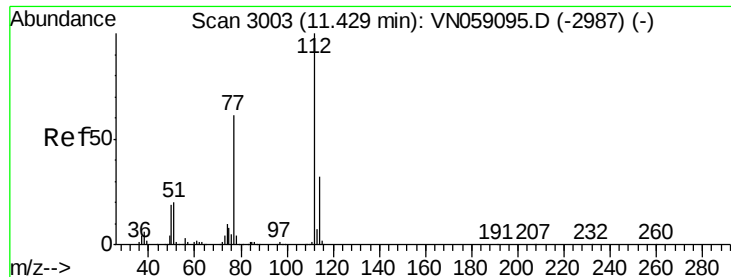
MMDadoda
11/8/2019 9:39:20 AM



#64
Tetrachloroethene
Concen: 19.669 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.5	152.3
129	95.8	78.3	117.5
131	91.7	75.9	113.9





#65

Chlorobenzene

Concen: 20.040 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion:112 Resp: 264689

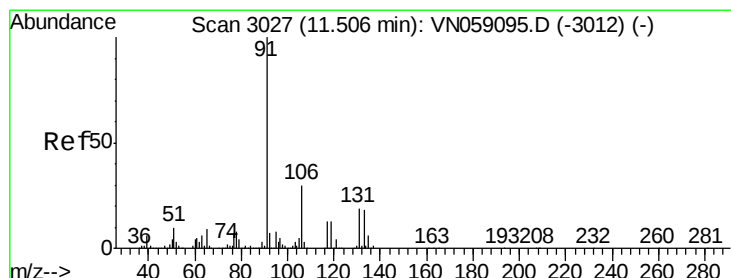
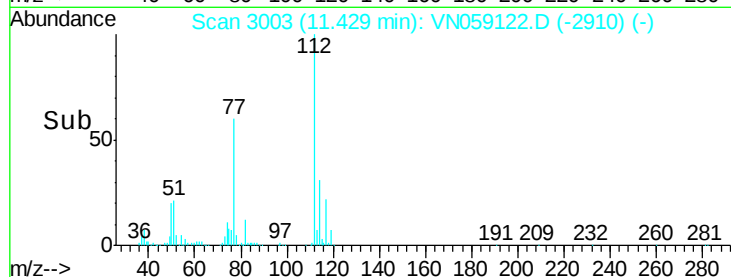
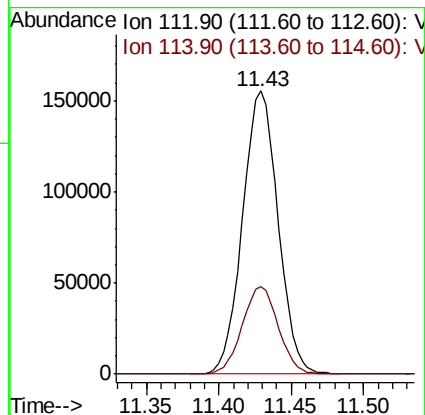
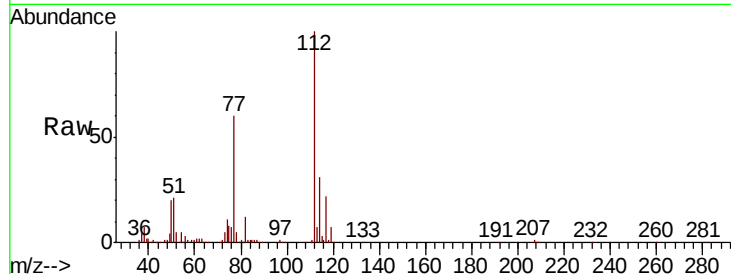
Ion Ratio Lower Upper

112 100

114 31.2 25.2 37.8

Manual Integrations
APPROVED

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11/8/2019 9:39:20 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.000 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

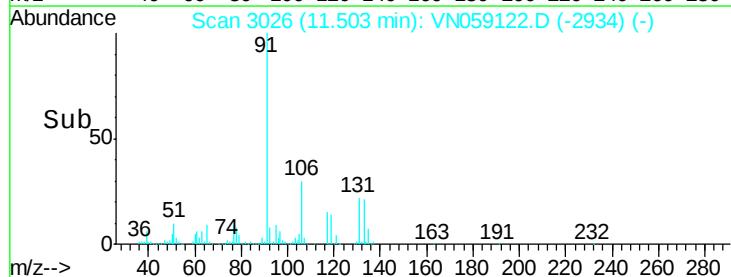
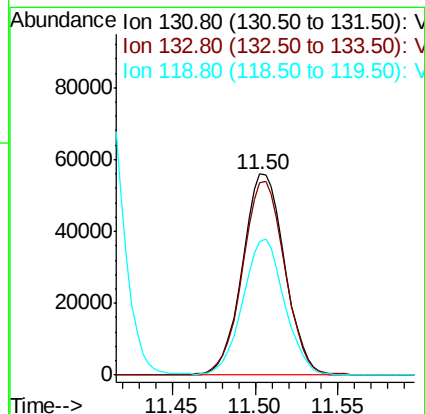
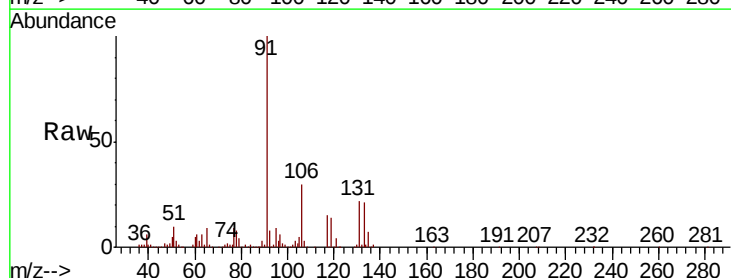
Tgt Ion:131 Resp: 99093

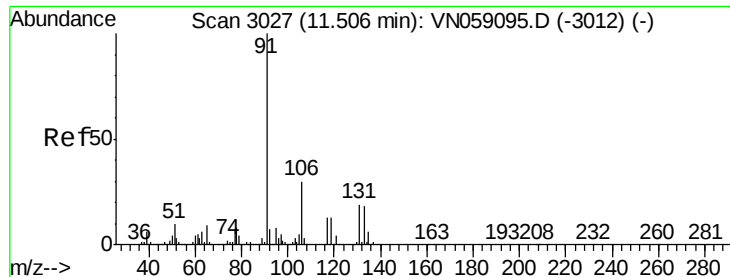
Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.3

119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 20.219 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 91 Resp: 473812

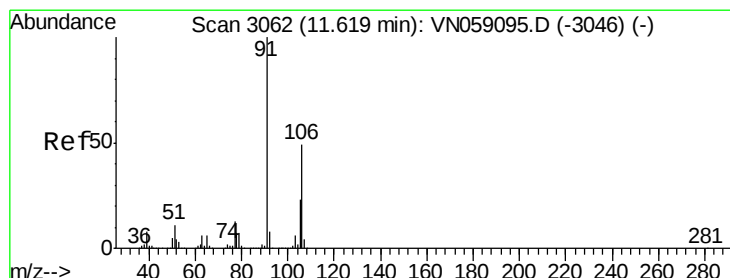
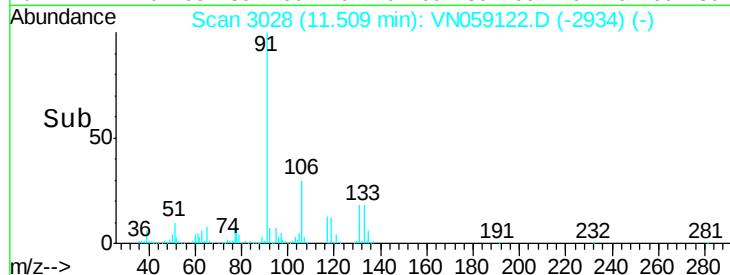
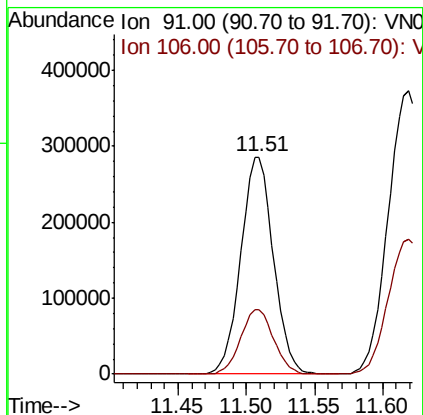
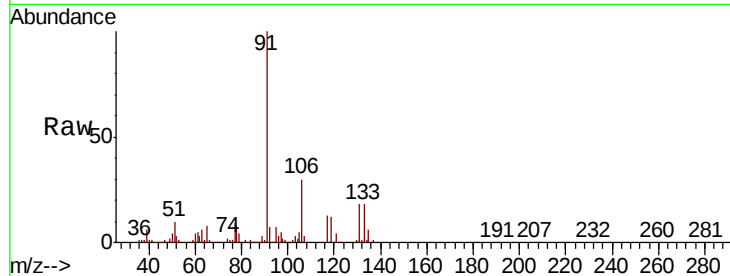
Ion Ratio Lower Upper

91 100

106 29.5 24.1 36.1

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.736 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059122.D

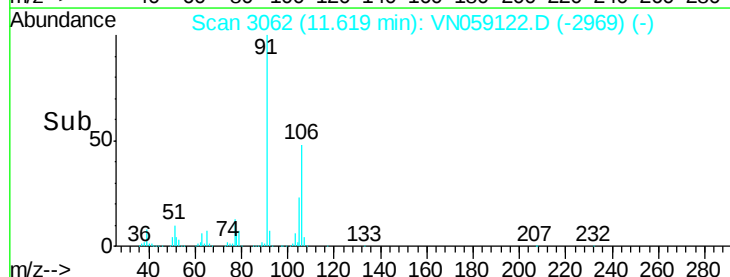
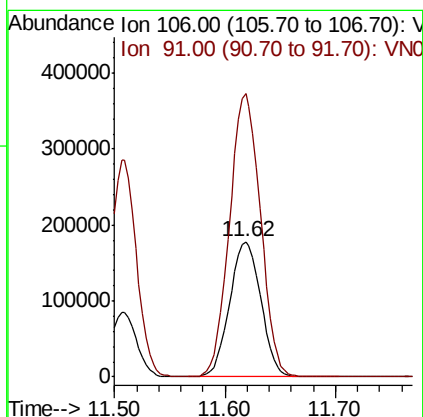
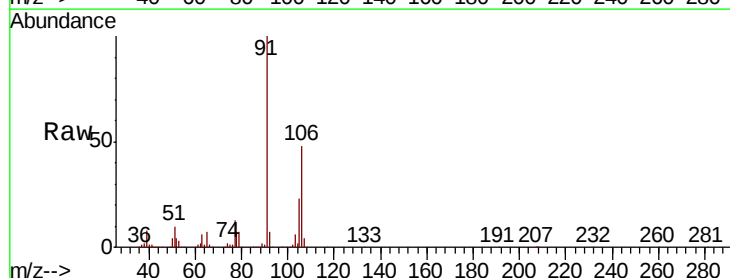
Acq: 7 Nov 2019 15:10

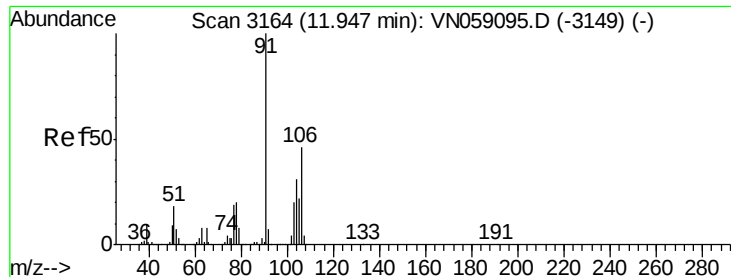
Tgt Ion: 106 Resp: 348810

Ion Ratio Lower Upper

106 100

91 207.8 164.7 247.1





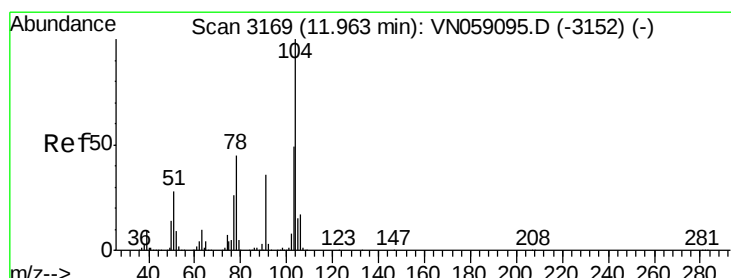
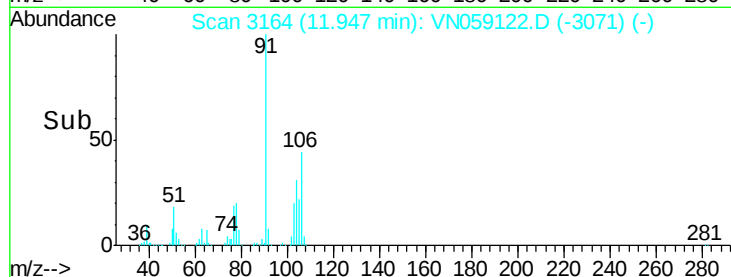
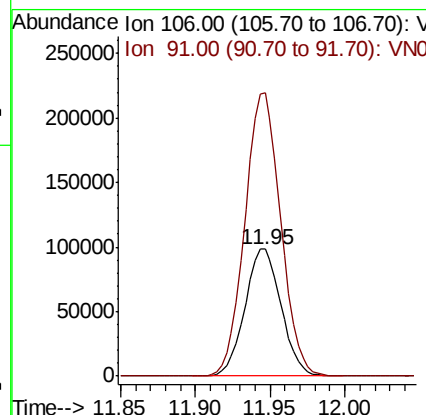
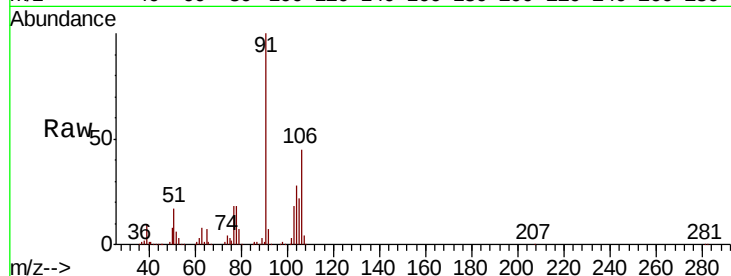
#69
o-Xylene
Concen: 19.552 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	220.9	110.1	165863	330.3	

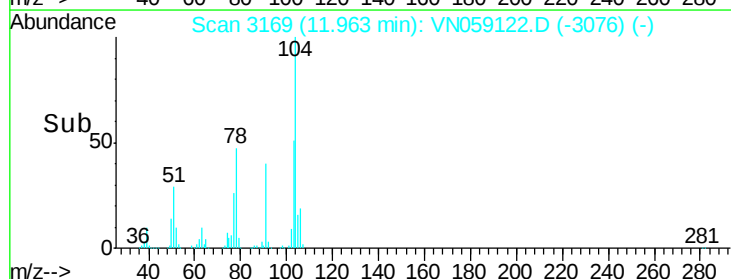
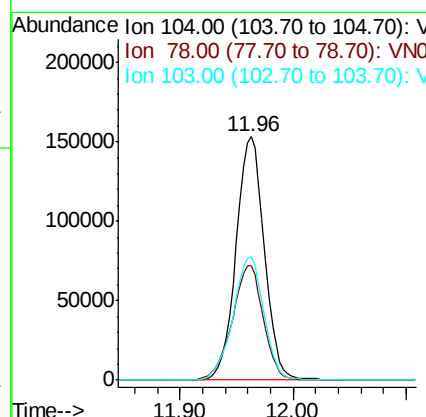
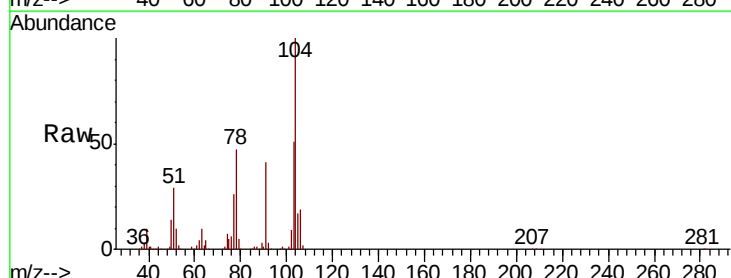
Manual Integrations
APPROVED

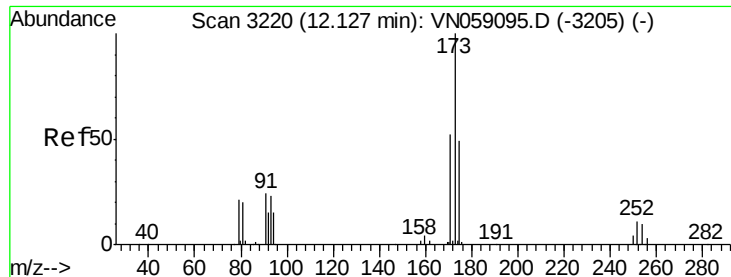
MMDadoda
11/8/2019 9:39:20 AM



#70
Styrene
Concen: 20.021 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.0	41.2	267116	61.8	
103	55.1	43.8		65.6	





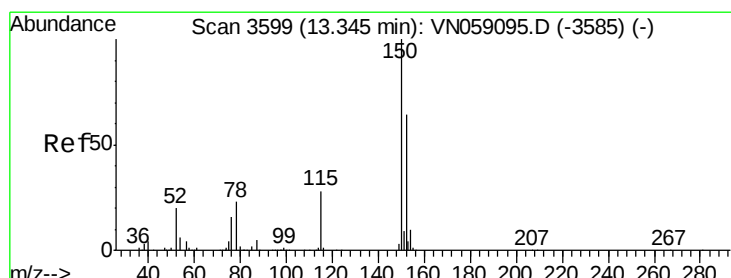
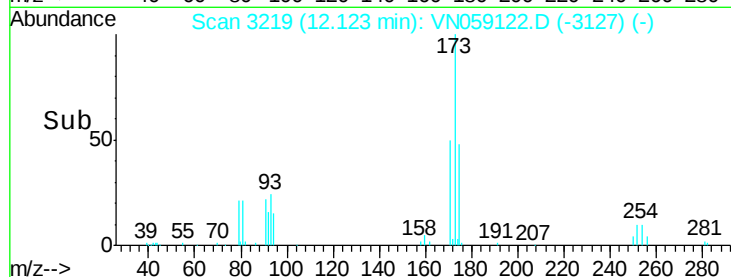
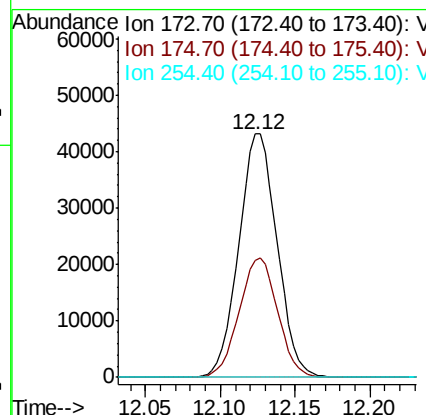
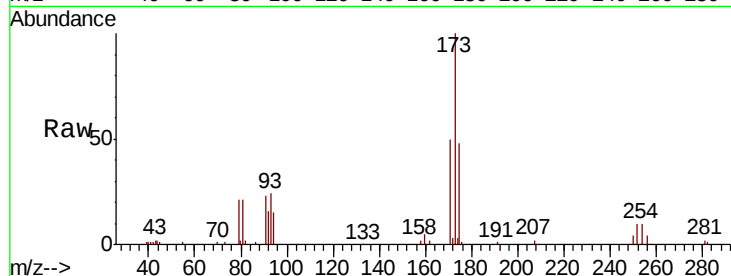
#71
Bromoform
Concen: 19.918 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.0	0.1	0.1#

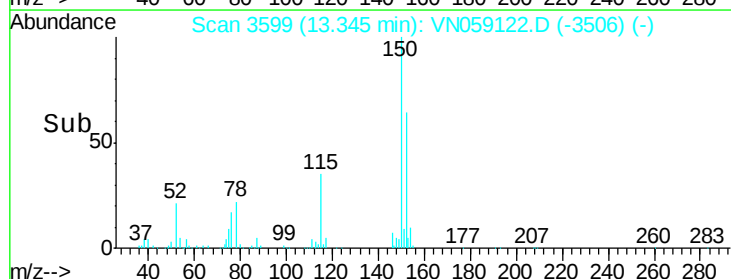
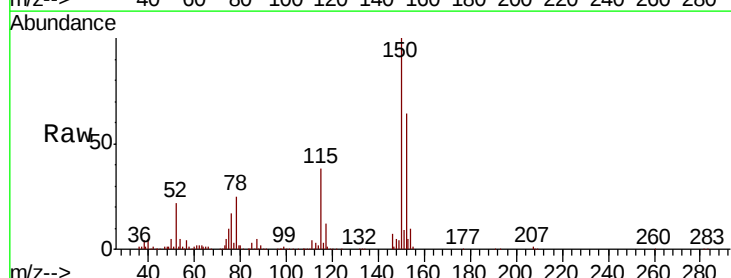
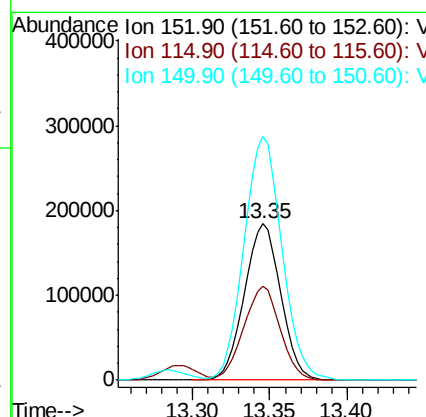
Manual Integrations
APPROVED

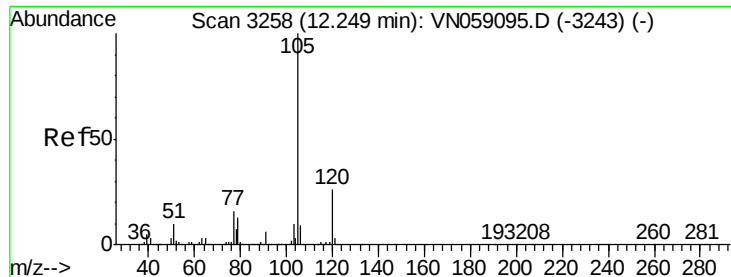
MMDadoda
11/8/2019 9:39:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.4	88.2
150	163.2	0.0	345.8





#73

Isopropylbenzene

Concen: 20.802 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 105 Resp: 455836

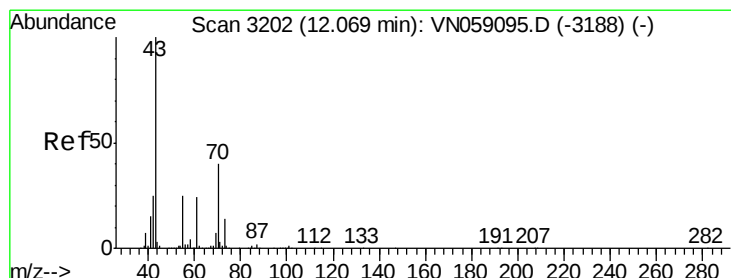
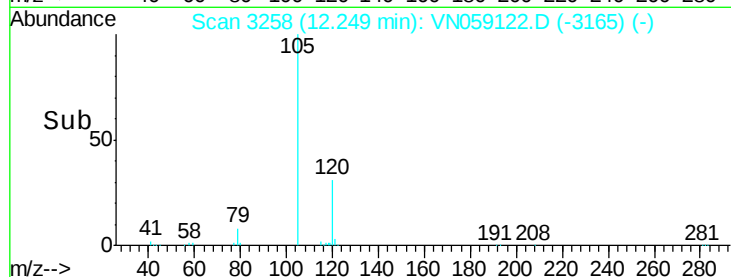
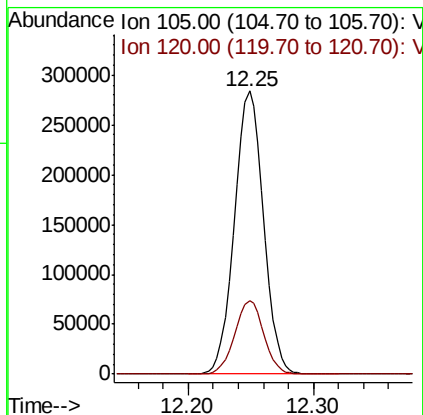
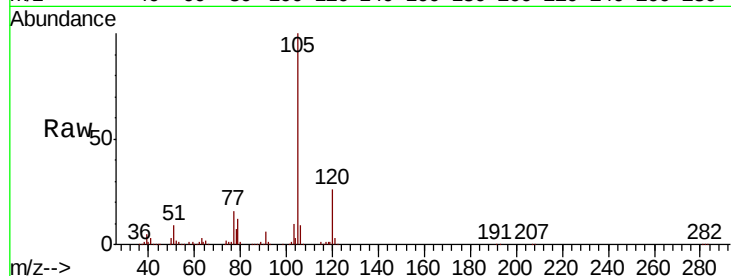
Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3

Manual Integrations
APPROVED

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11/8/2019 9:39:20 AM



#74

N-ethyl acetate

Concen: 20.182 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion: 43 Resp: 187394

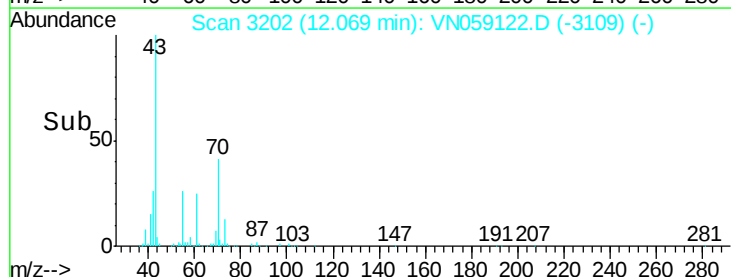
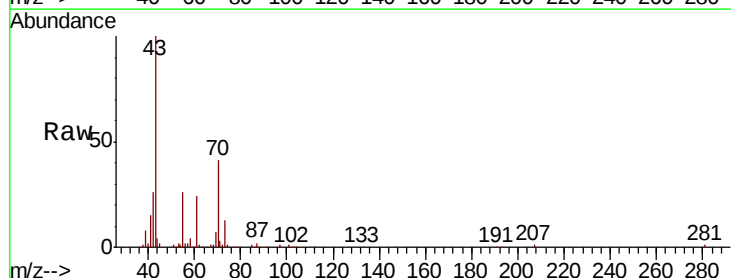
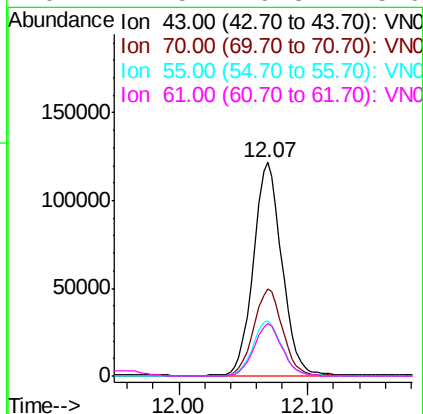
Ion Ratio Lower Upper

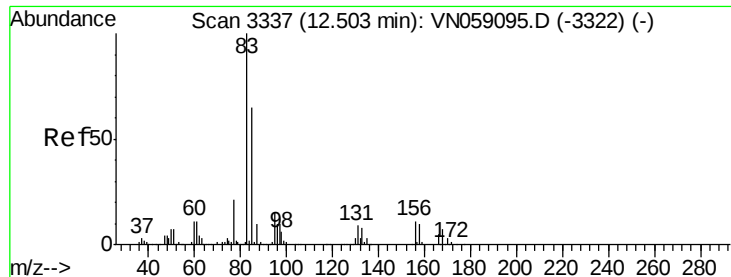
43 100

70 41.9 32.2 48.4

55 26.6 20.4 30.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.159 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion: 83 Resp: 157897

Ion Ratio Lower Upper

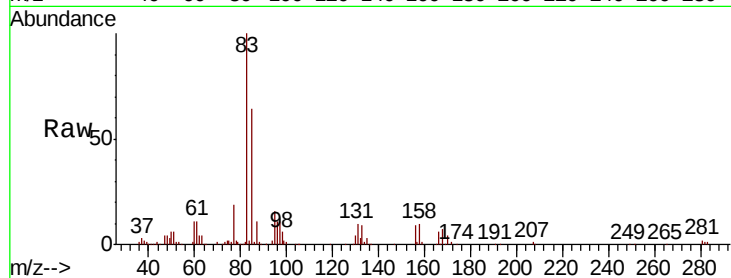
83 100

131 9.8 4.9 14.6

85 63.5 32.4 97.2

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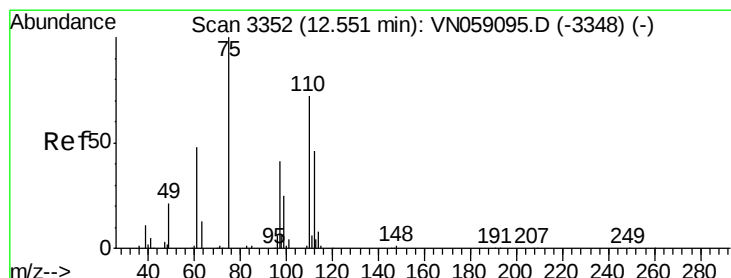
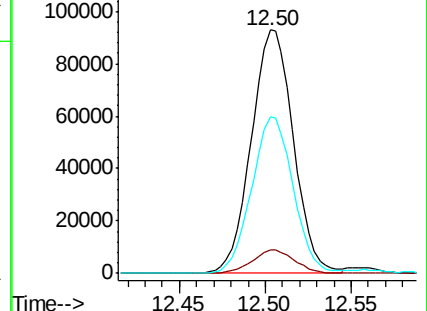
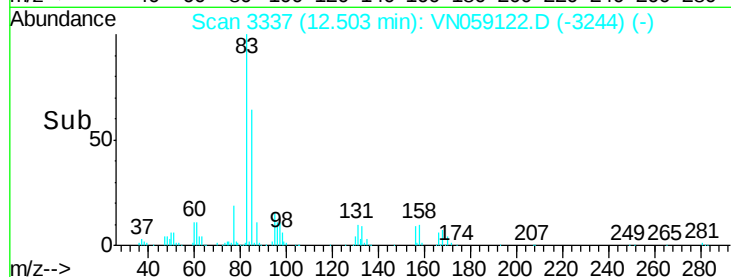
Abundance Ion 82.90 (82.60 to 83.60): VN059122.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059122.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059122.D (-3244) (-)

12.50

12.45 12.55



#76

1,2,3-Trichloropropane

Concen: 21.879 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059122.D

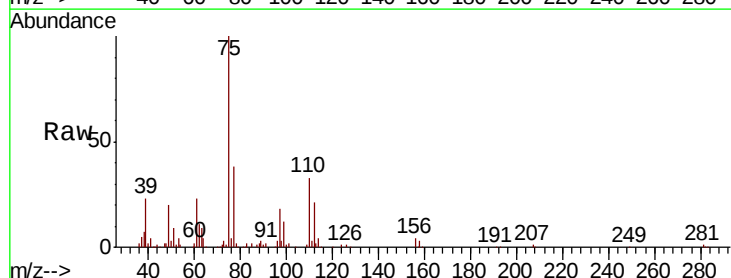
Acq: 7 Nov 2019 15:10

Tgt Ion: 75 Resp: 150054

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

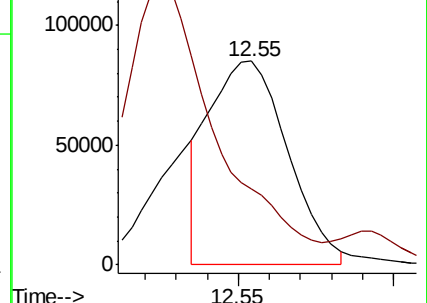
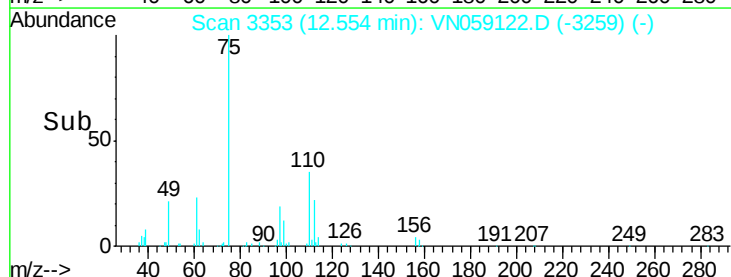


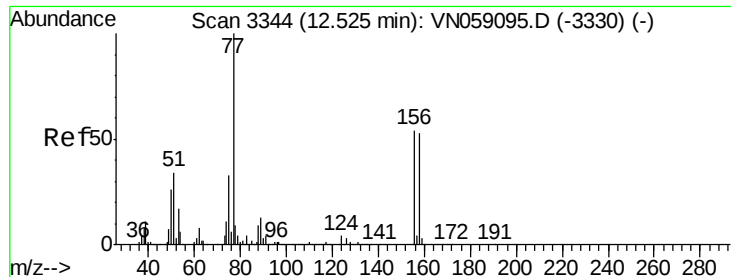
Abundance Ion 74.90 (74.60 to 75.60): VN059122.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059122.D (-3259) (-)

12.55

12.50 12.60





#77

Bromobenzene

Concen: 19.862 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

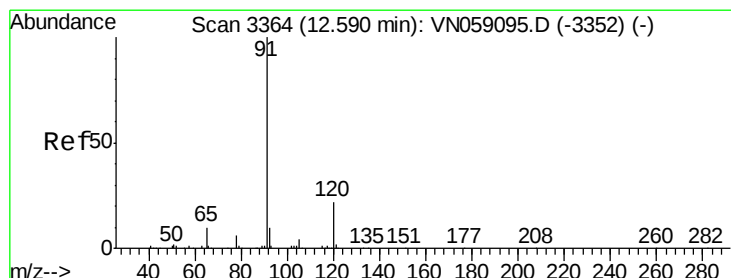
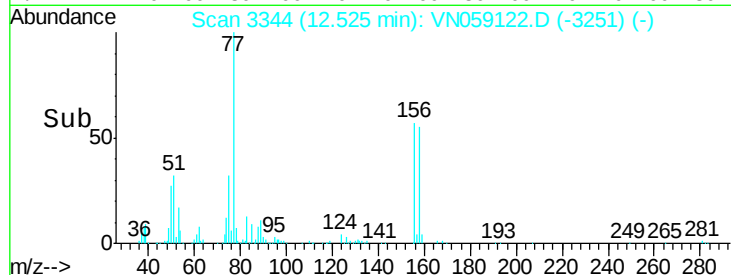
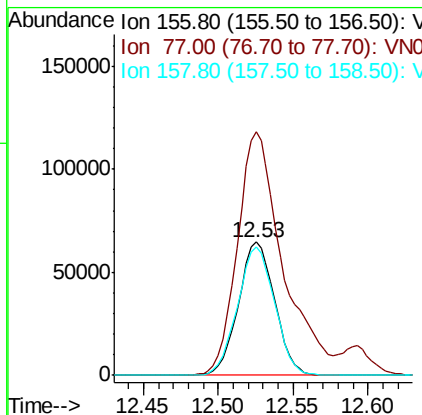
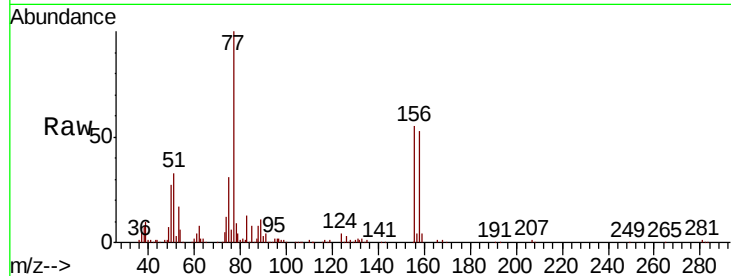
ClientSampleId :

VN1107WBSD02

Tot Ion:	156	Resp:	109350
Ion Ratio	Lower	Upper	
156	100		
77	228.0	112.8	338.3
158	98.6	48.4	145.3

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#78

n-propylbenzene

Concen: 20.582 ug/l

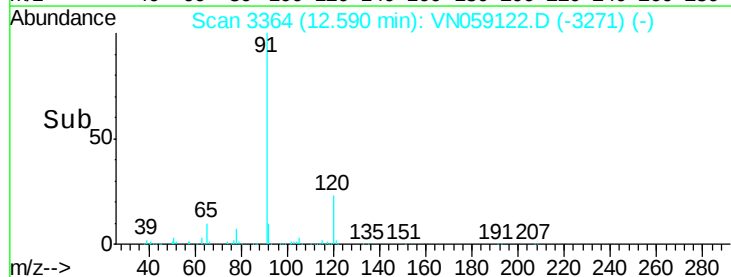
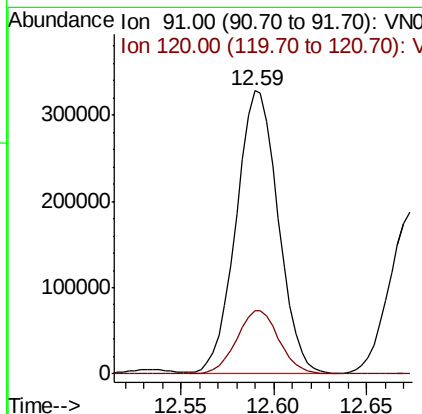
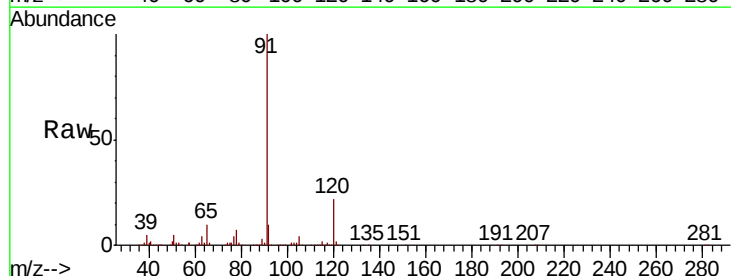
RT: 12.59 min Scan# 3364

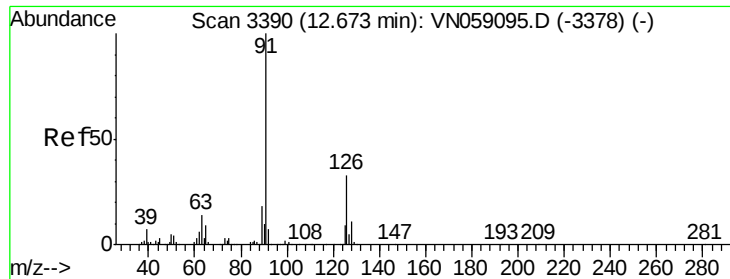
Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	91	Resp:	516415
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5





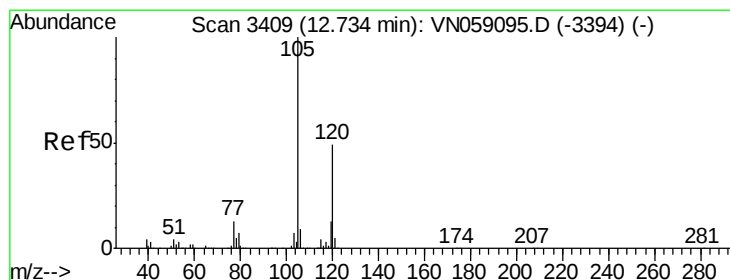
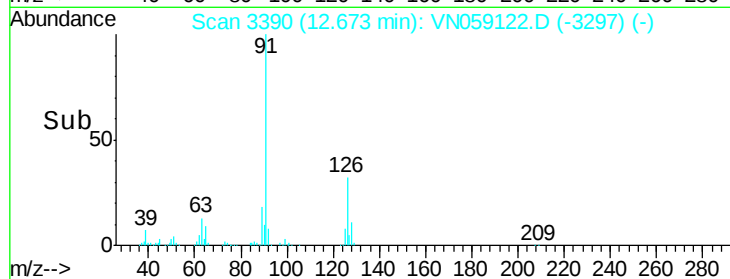
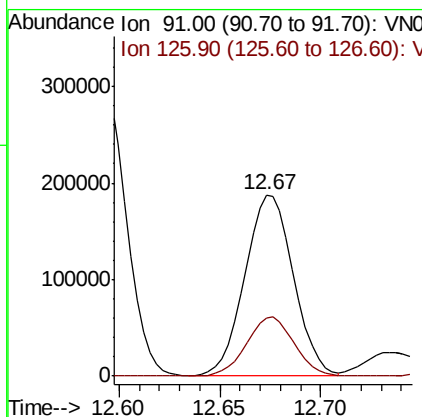
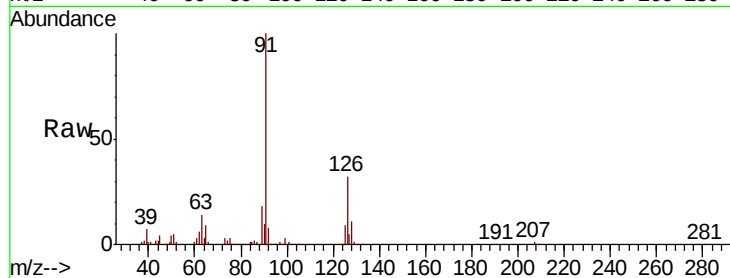
#79
 2-Chlorotoluene
 Concen: 20.201 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD02

Tot Ion: 91 Resp: 314427
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.7 50.1

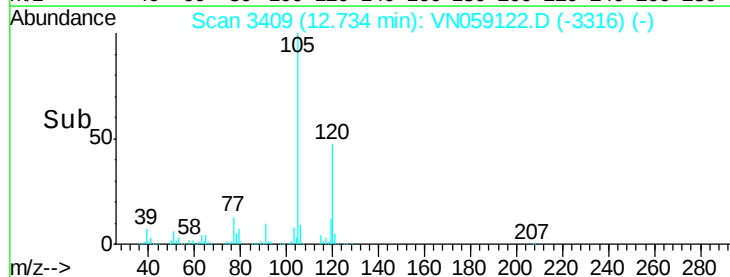
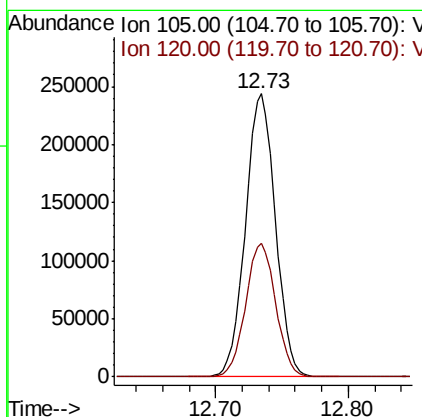
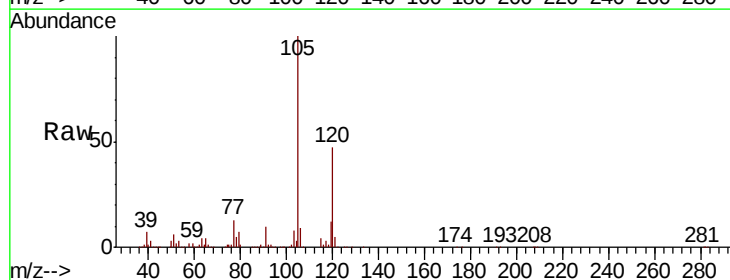
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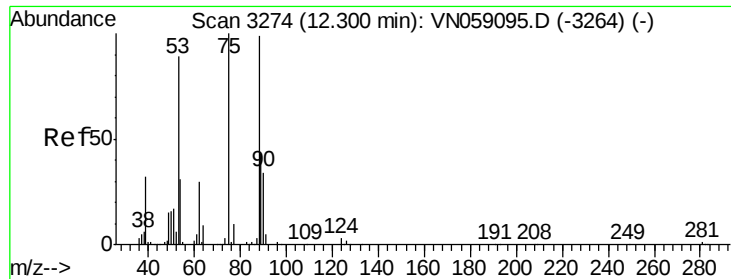
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.584 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Tgt Ion: 105 Resp: 382203
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.437 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

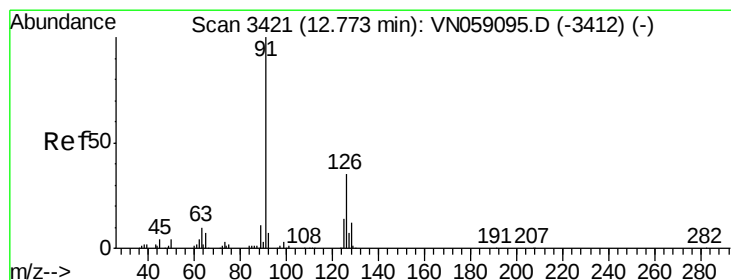
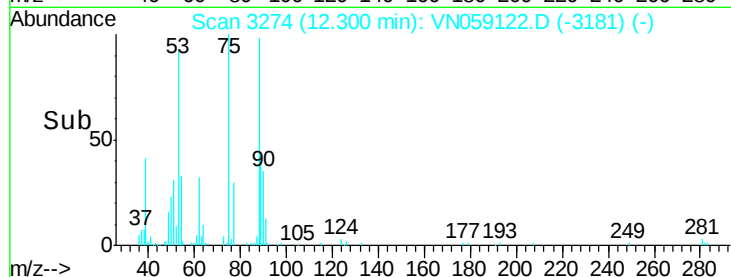
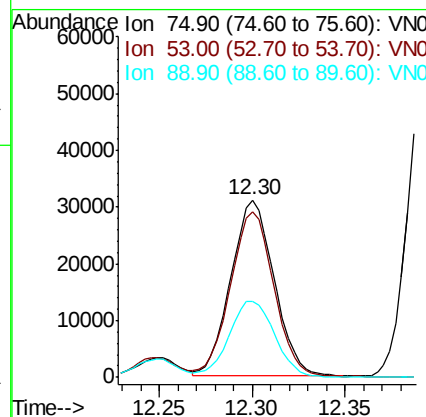
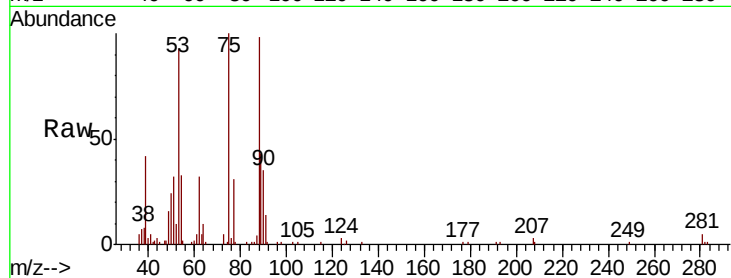
ClientSampleId :

VN1107WBSD02

Tot Ion:	75	Resp:	50470
Ion	Ratio	Lower	Upper
75	100		
53	94.9	72.2	108.2
89	45.4	35.8	53.8

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#82

4-Chlorotoluene

Concen: 20.396 ug/l

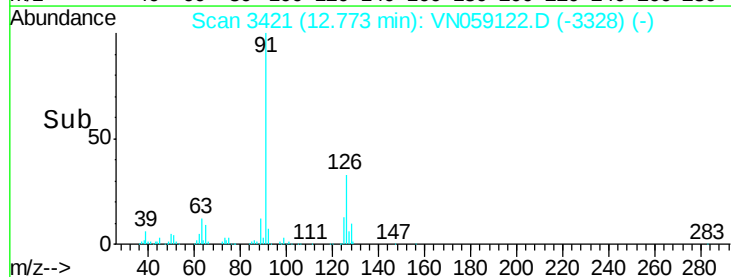
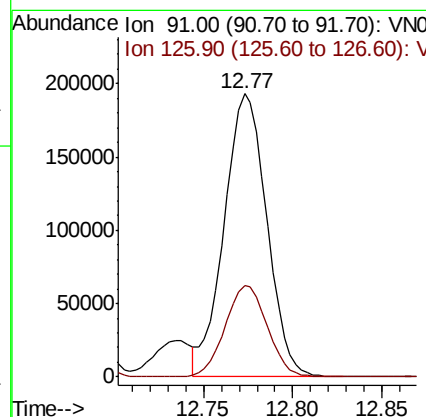
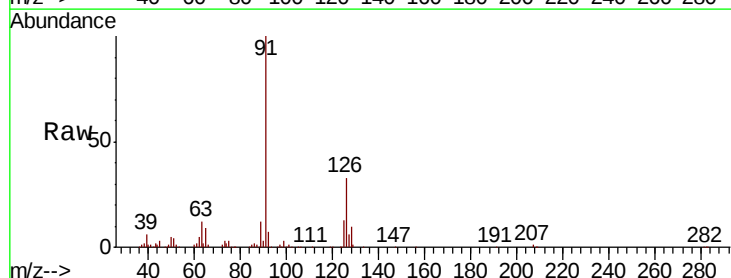
RT: 12.77 min Scan# 3421

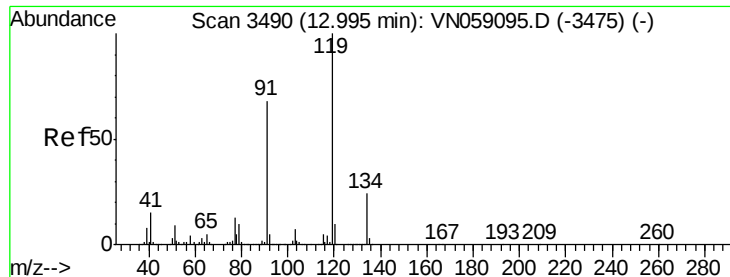
Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	91	Resp:	318410
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.2





#83

tert-Butylbenzene

Concen: 20.313 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

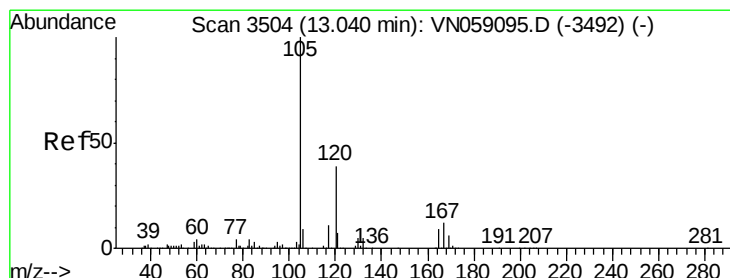
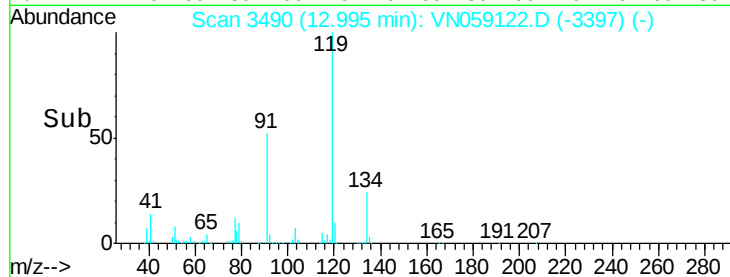
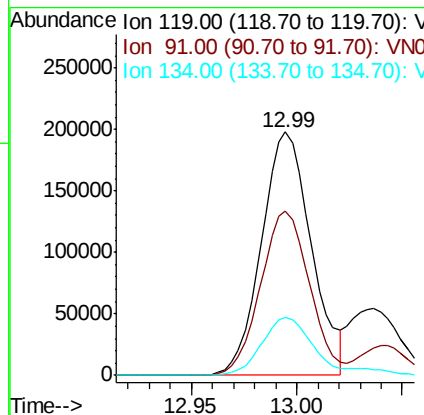
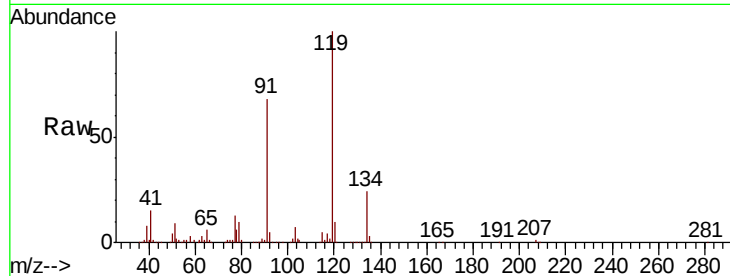
ClientSampleId :

VN1107WBSD02

Tot Ion:	119	Resp:	325712
Ion Ratio	Lower	Upper	
119	100		
91	66.8	33.2	99.6
134	23.9	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 20.830 ug/l

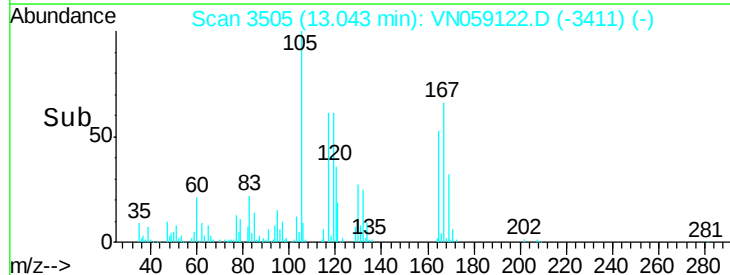
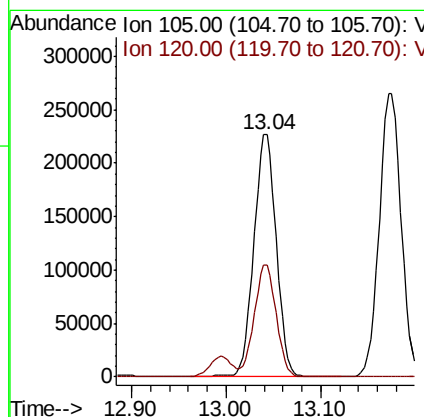
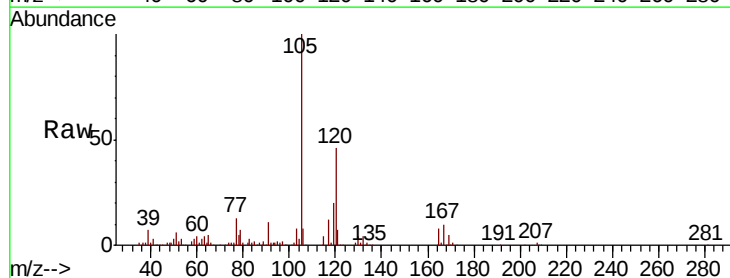
RT: 13.04 min Scan# 3505

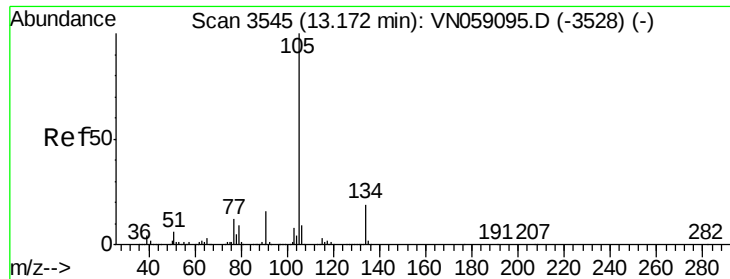
Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	105	Resp:	374192
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.377 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBSD02

Tot Ion:105 Resp: 424932

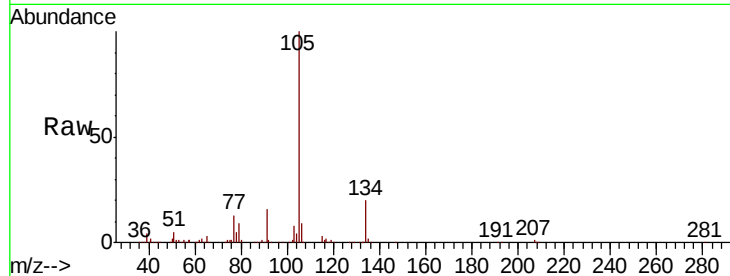
Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1

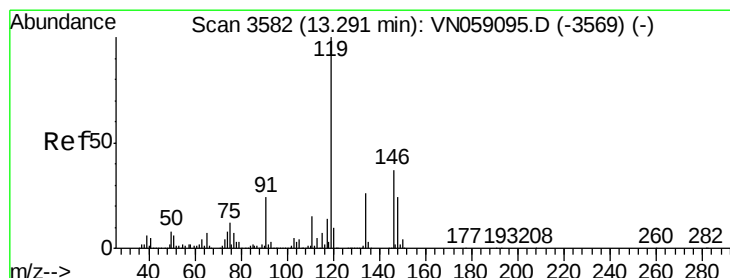
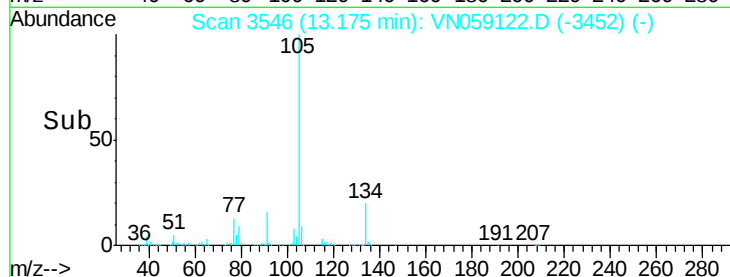
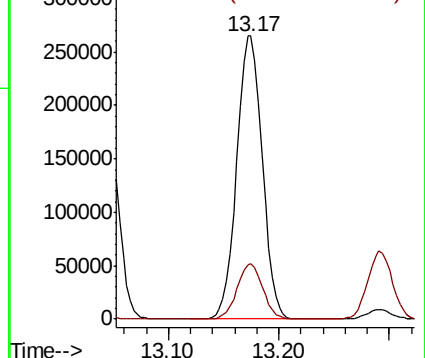
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.504 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

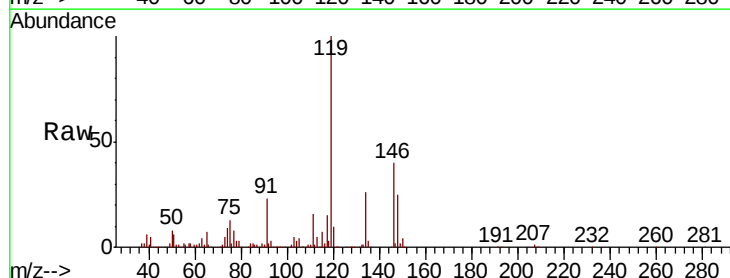
Tgt Ion:119 Resp: 377554

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

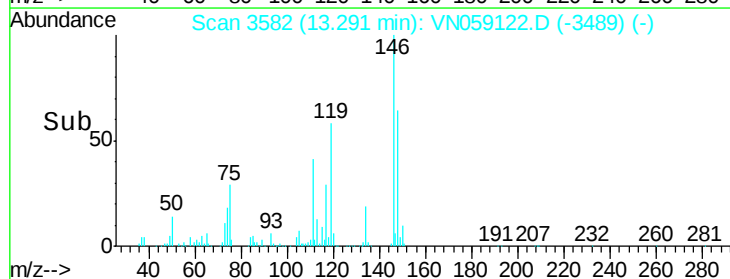
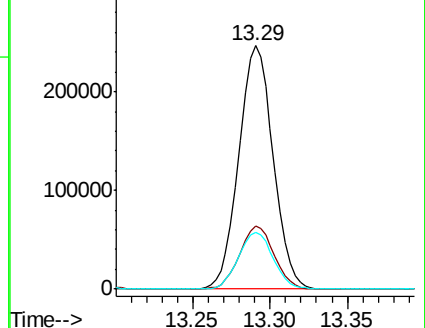
91 24.0 11.7 35.1

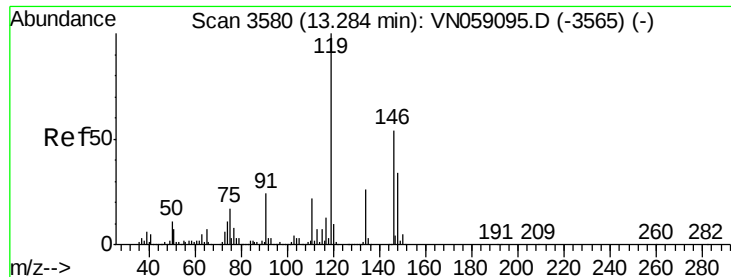


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.893 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059122.D

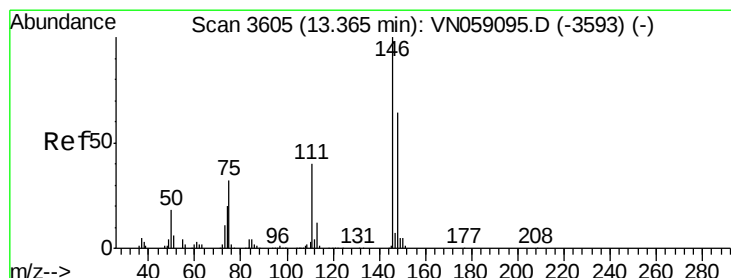
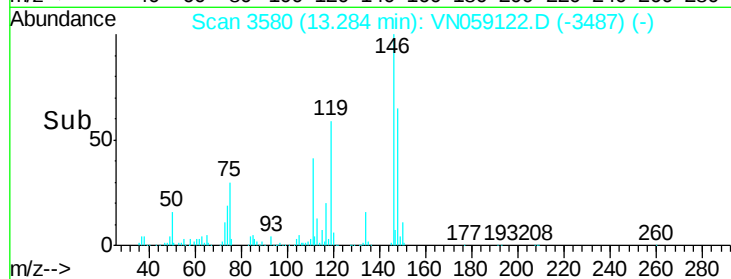
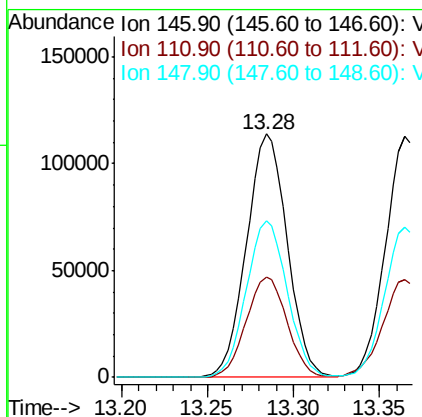
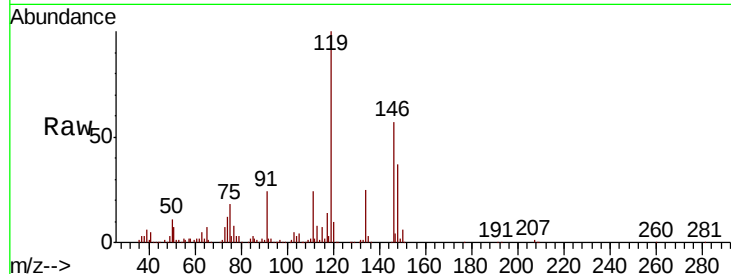
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	187537		
111	41.4	20.4	61.3	
148	64.8	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 19.538 ug/l

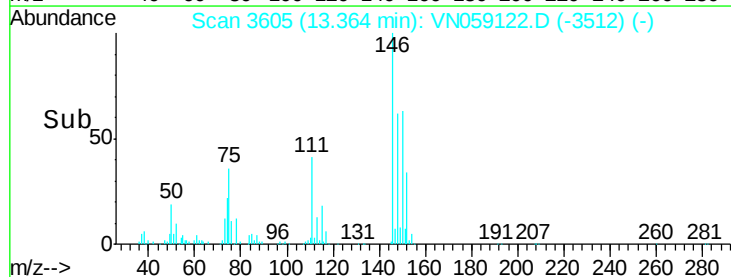
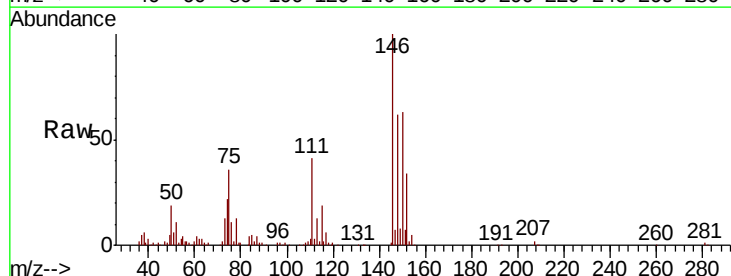
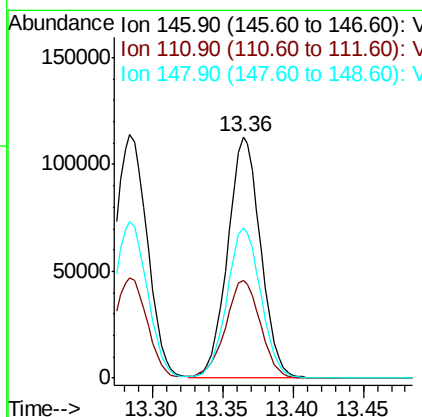
RT: 13.36 min Scan# 3605

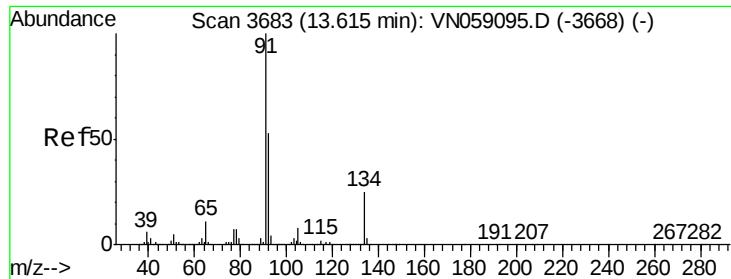
Delta R.T. -0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184289		
111	43.0	20.3	60.9	
148	64.1	31.9	95.7	





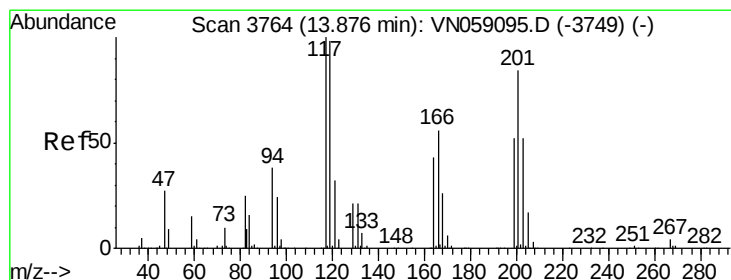
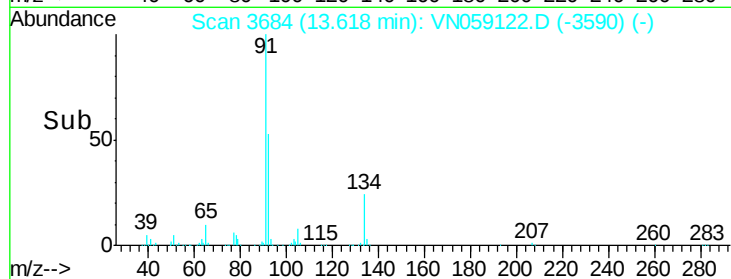
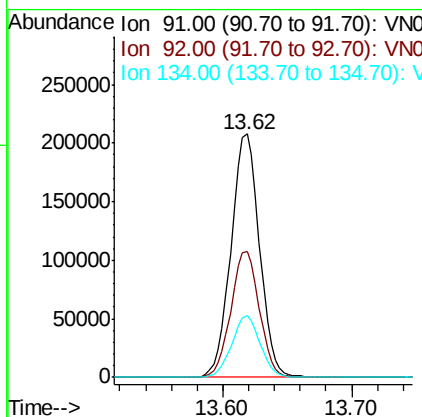
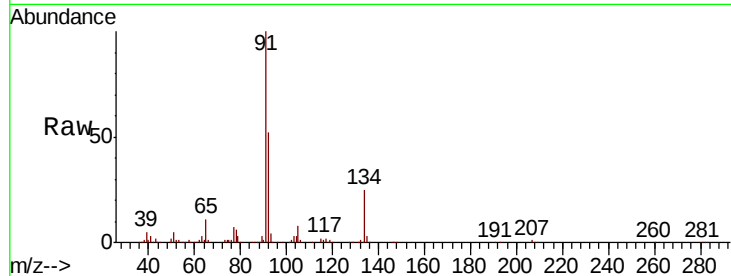
#89
n-Butylbenzene
Concen: 19.757 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	25.1	12.6	37.8

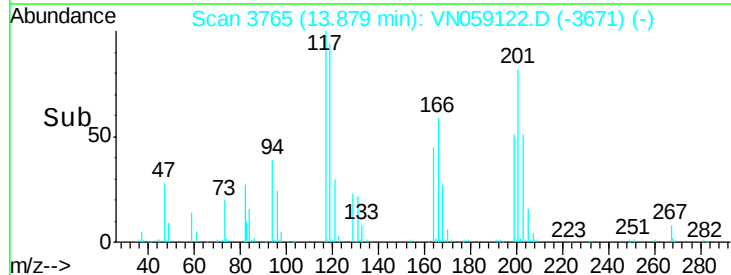
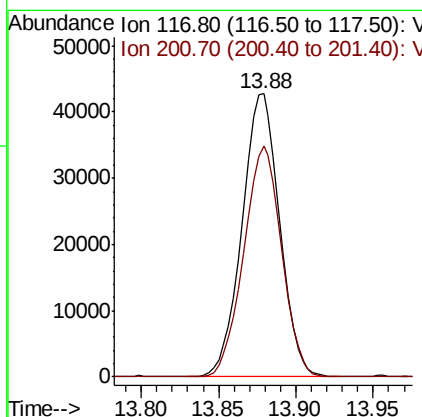
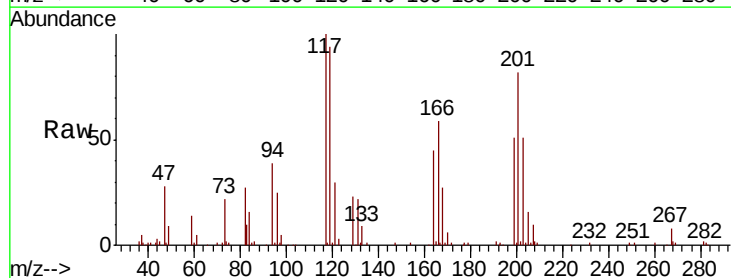
Manual Integrations
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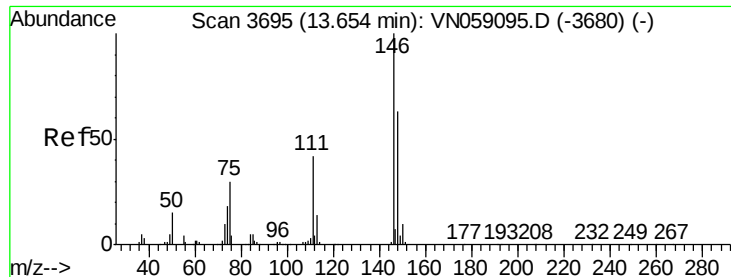
MMDadoda
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#90
Hexachloroethane
Concen: 19.594 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 20.404 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Instrument :

MSVOA_N

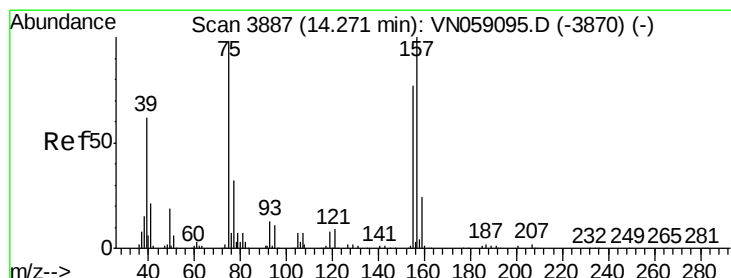
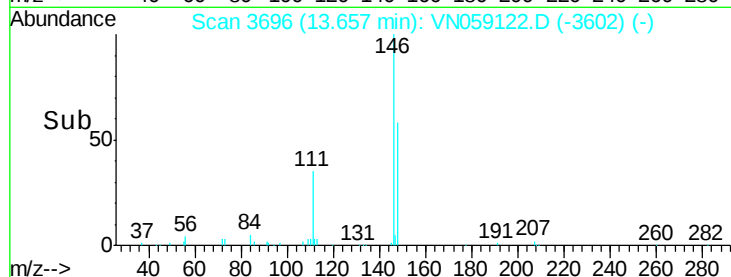
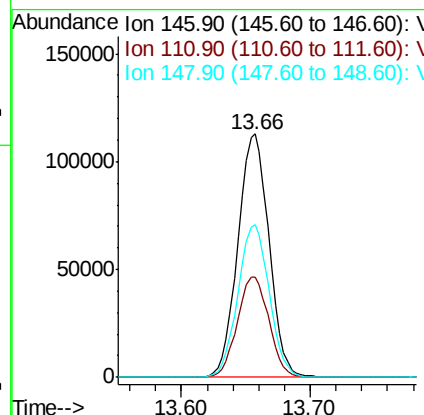
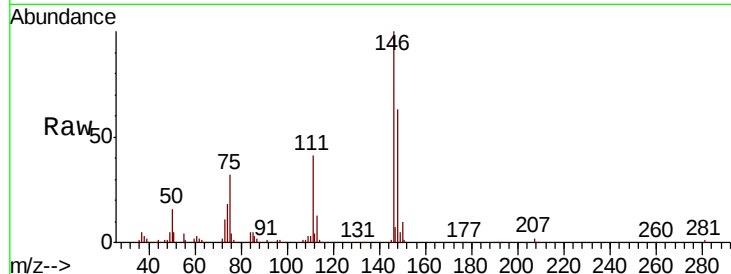
ClientSampleId :

VN1107WBSD02

Tot Ion:	146	Resp:	189222
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.2	63.6
148	63.2	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.379 ug/l

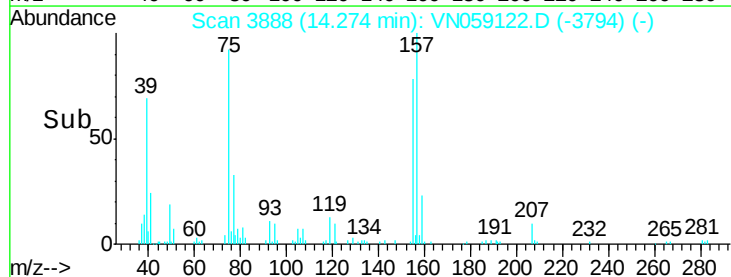
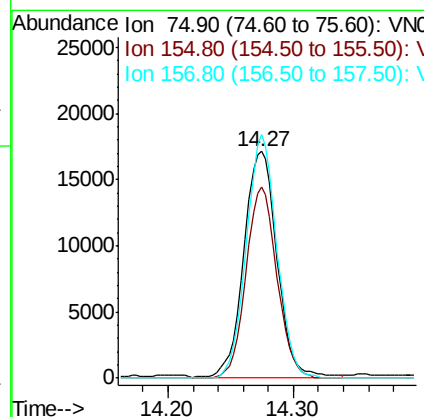
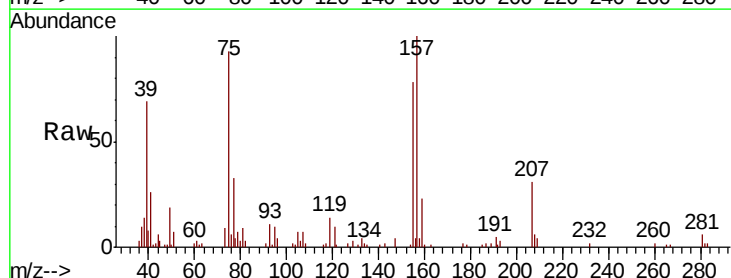
RT: 14.27 min Scan# 3888

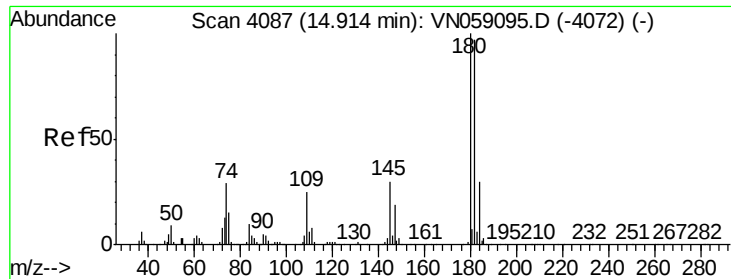
Delta R.T. 0.00 min

Lab File: VN059122.D

Acq: 7 Nov 2019 15:10

Tgt Ion:	75	Resp:	31807
Ion Ratio	Lower	Upper	
75	100		
155	77.6	40.2	120.6
157	97.8	51.8	155.5





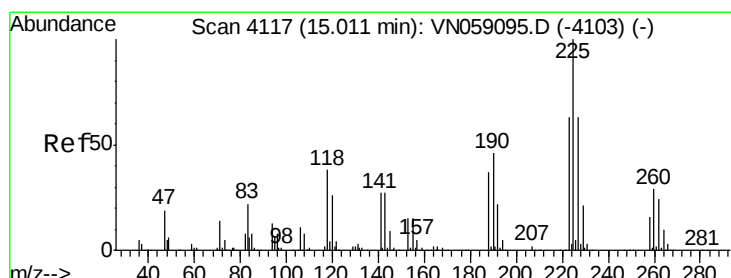
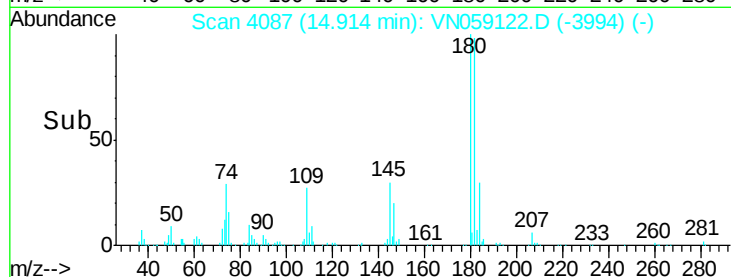
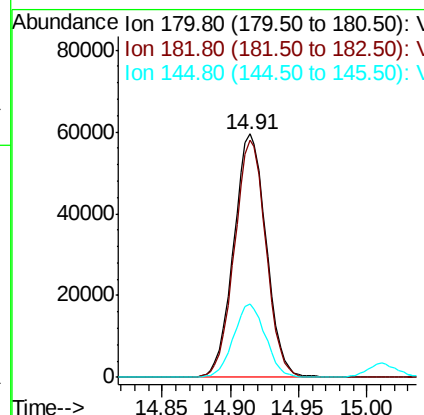
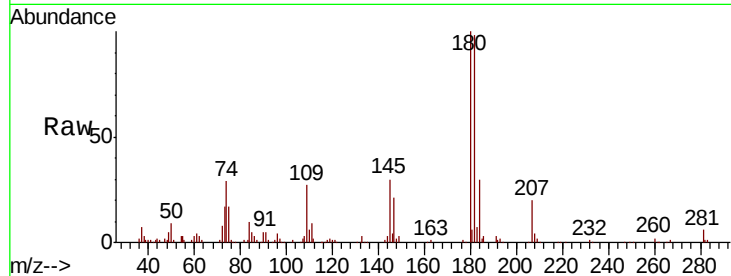
#93
 1,2,4-Trichlorobenzene
 Concen: 19.436 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	48.1	144.3	
145	29.7	15.1	45.3	

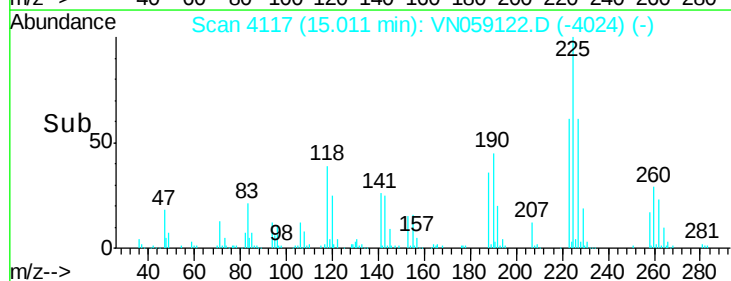
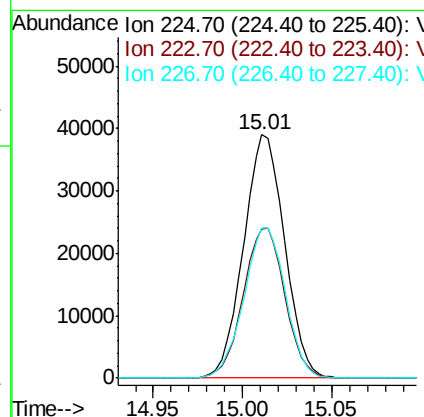
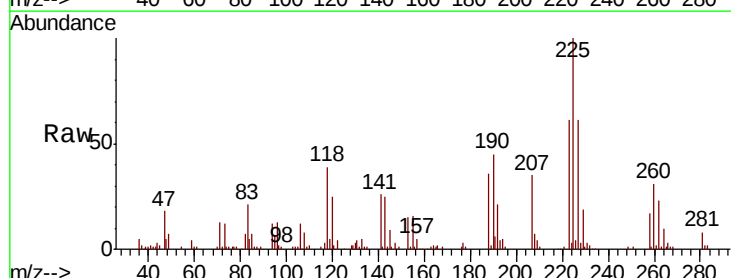
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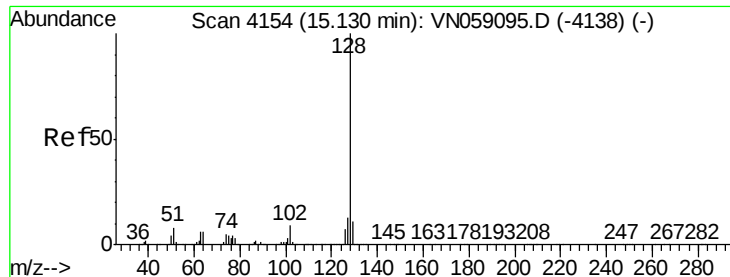
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#94
 Hexachlorobutadiene
 Concen: 19.576 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059122.D
 Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.3	93.9	
227	62.4	31.5	94.5	





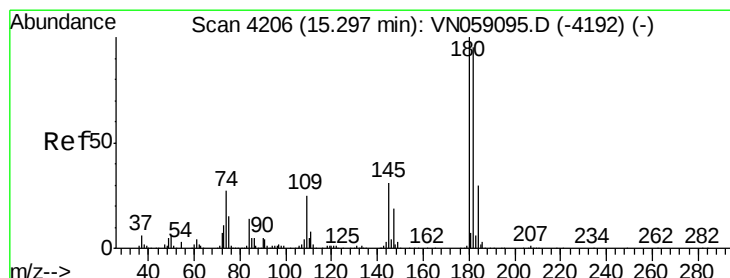
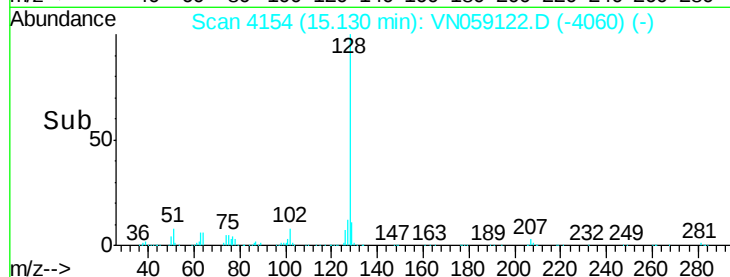
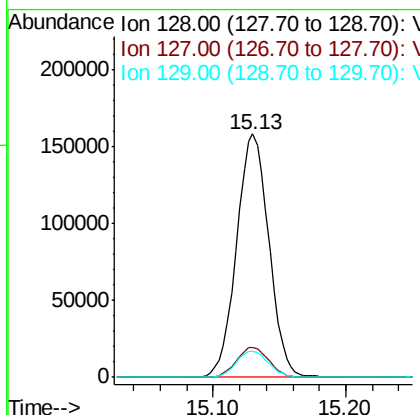
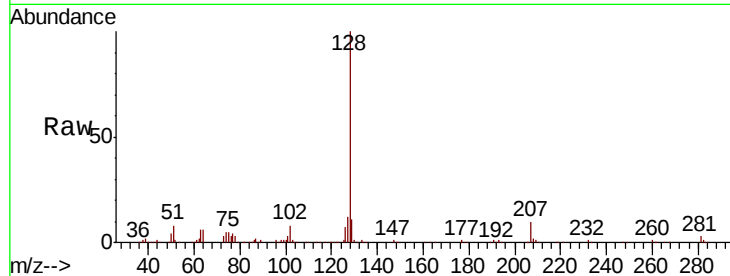
#95
Naphthalene
Concen: 19.146 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.180 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059122.D
Acq: 7 Nov 2019 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	32.2	15.8	47.3

