

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059304.D
 Acq On : 19 Nov 2019 13:51
 Operator : JC/SP
 Sample : VN1119MBS02
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Manual Integrations
 APPROVED

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

Quant Time: Nov 20 02:29:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	356281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	558650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	498072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	203482	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.57	113	163576	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.08	98	611195	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
62) 4-Bromofluorobenzene	12.40	95	222031	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	110758	30.855	ug/l	99
3) Chloromethane	2.04	50	127942	26.220	ug/l	99
4) Vinyl Chloride	2.17	62	134277	28.383	ug/l	100
5) Bromomethane	2.55	94	70618	25.939	ug/l	95
6) Chloroethane	2.68	64	69128	24.702	ug/l	98
7) Trichlorofluoromethane	3.00	101	133071	23.516	ug/l	99
8) Diethyl Ether	3.39	74	56373	24.518	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82713	24.243	ug/l	99
10) Methyl Iodide	3.93	142	96353	22.816	ug/l	99
11) Tert butyl alcohol	4.75	59	97759	117.124	ug/l	100
12) 1,1-Dichloroethene	3.71	96	83028	24.982	ug/l	97
13) Acrolein	3.58	56	35730	83.029	ug/l	99
14) Allyl chloride	4.30	41	156740	22.959	ug/l	99
15) Acrylonitrile	4.96	53	247789	119.291	ug/l	99
16) Acetone	3.79	43	205338	90.160	ug/l	100
17) Carbon Disulfide	4.03	76	262908	25.483	ug/l	99
18) Methyl Acetate	4.30	43	138382	25.599	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	277170	24.223	ug/l	99
20) Methylene Chloride	4.53	84	92590	23.336	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	86895	24.357	ug/l	94
22) Diisopropyl ether	5.92	45	297838	23.097	ug/l	96
23) Vinyl Acetate	5.87	43	1187334	118.805	ug/l	99
24) 1,1-Dichloroethane	5.82	63	168584	23.407	ug/l	98
25) 2-Butanone	6.81	43	323303	107.711	ug/l	99
26) 2,2-Dichloropropane	6.80	77	142785	22.672	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	99743	24.099	ug/l	98
28) Bromochloromethane	7.17	49	38709	17.864	ug/l	95
29) Tetrahydrofuran	7.19	42	223746	117.316	ug/l	96
30) Chloroform	7.35	83	163397	23.650	ug/l	98
31) Cyclohexane	7.63	56	162885	23.889	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	138754	23.887	ug/l	99
36) 1,1-Dichloropropene	7.77	75	125852	24.101	ug/l	100
37) Ethyl Acetate	6.91	43	136851	23.558	ug/l	99
38) Carbon Tetrachloride	7.75	117	120374	23.161	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	153433	25.318	ug/l	97
40) Benzene	8.02	78	377043	23.978	ug/l	99
41) Methacrylonitrile	7.16	41	62652m	24.803	ug/l	
42) 1,2-Dichloroethane	8.10	62	125788	23.324	ug/l	98
43) Isopropyl Acetate	8.15	43	205920	22.235	ug/l	99
44) Trichloroethene	8.82	130	93916	24.297	ug/l	97
45) 1,2-Dichloropropane	9.10	63	99776	23.361	ug/l	99
46) Dibromomethane	9.19	93	59649	22.412	ug/l	96
47) Bromodichloromethane	9.39	83	122371	23.026	ug/l	98
48) Methyl methacrylate	9.18	41	91198	22.015	ug/l	97
49) 1,4-Dioxane	9.19	88	31449	427.195	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	653942	124.795	ug/l	100
52) Toluene	10.15	92	228476	24.242	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	139808	22.770	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154278	23.359	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	88927	23.314	ug/l	98
56) Ethyl methacrylate	10.42	69	130718	21.651	ug/l	98
57) 1,3-Dichloropropane	10.70	76	153163	23.331	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	213386	100.523	ug/l	99
59) 2-Hexanone	10.74	43	471560	117.243	ug/l	99
60) Dibromochloromethane	10.90	129	90959	22.555	ug/l	97
61) 1,2-Dibromoethane	11.00	107	91253	23.633	ug/l	99
64) Tetrachloroethene	10.63	164	81565	24.083	ug/l	97
65) Chlorobenzene	11.43	112	235599	24.265	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	86183	23.662	ug/l	99
67) Ethyl Benzene	11.51	91	426539	24.760	ug/l	100
68) m/p-Xylenes	11.62	106	314429	48.727	ug/l	99
69) o-Xylene	11.95	106	150793	24.181	ug/l	99
70) Styrene	11.96	104	238132	24.280	ug/l	99
71) Bromoform	12.13	173	64708	22.840	ug/l #	98
73) Isopropylbenzene	12.25	105	407709	24.864	ug/l	99
74) N-amyl acetate	12.07	43	155873	22.434	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	134674	24.117	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	119183m	23.223	ug/l	
77) Bromobenzene	12.53	156	97395	23.641	ug/l	97
78) n-propylbenzene	12.59	91	462282	24.622	ug/l	100
79) 2-Chlorotoluene	12.67	91	278903	23.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	343870	24.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43805	22.544	ug/l	98
82) 4-Chlorotoluene	12.77	91	278148	23.810	ug/l	98
83) tert-Butylbenzene	12.99	119	291435	24.288	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	335095	24.928	ug/l	99
85) sec-Butylbenzene	13.17	105	385585	24.709	ug/l	99
86) p-Isopropyltoluene	13.29	119	339480	24.638	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	167224	23.704	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	161414	22.868	ug/l	98
89) n-Butylbenzene	13.62	91	285631	23.685	ug/l	99
90) Hexachloroethane	13.88	117	62270	22.506	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	164691	23.732	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26309	23.629	ug/l	99

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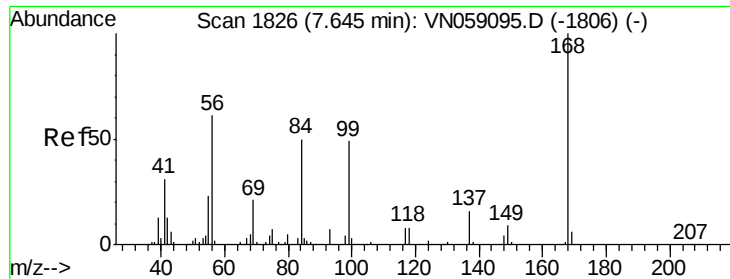
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90690	23.273	ug/l	100
94) Hexachlorobutadiene	15.01	225	60546	25.303	ug/l	98
95) Naphthalene	15.13	128	247044	22.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	94552	24.312	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion:168 Resp: 356281

Ion Ratio Lower Upper

168 100

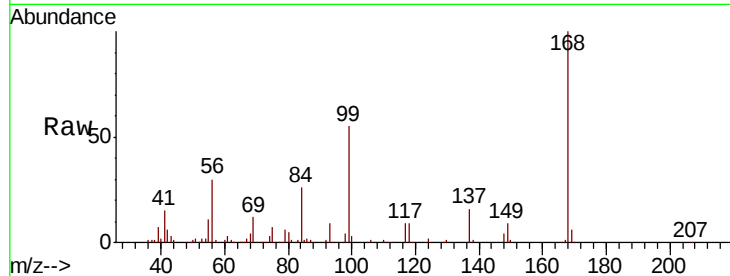
99 55.2 45.7 68.5

Manual Integrations

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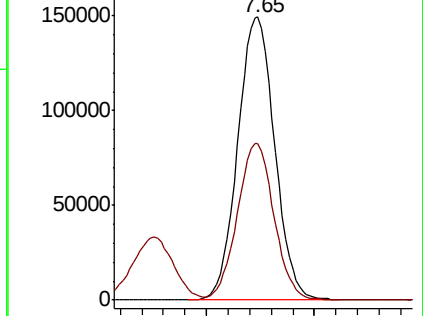
MMDadoda

11/20/2019 1:37:20 PM

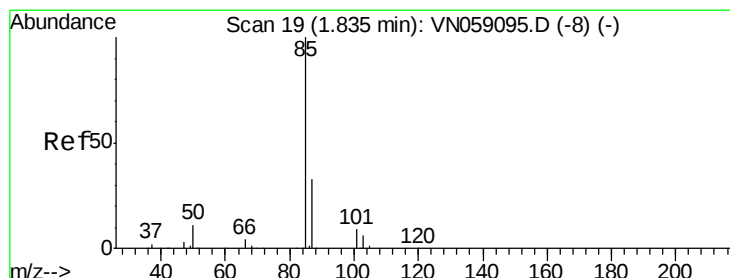
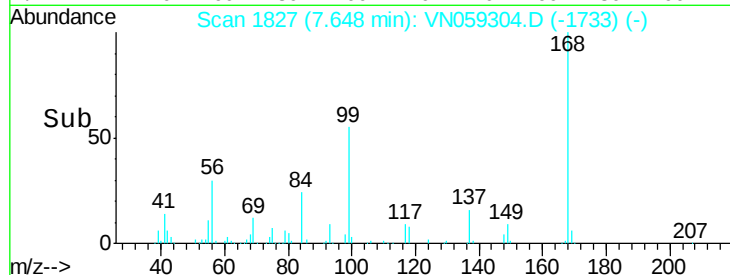


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 30.855 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059304.D

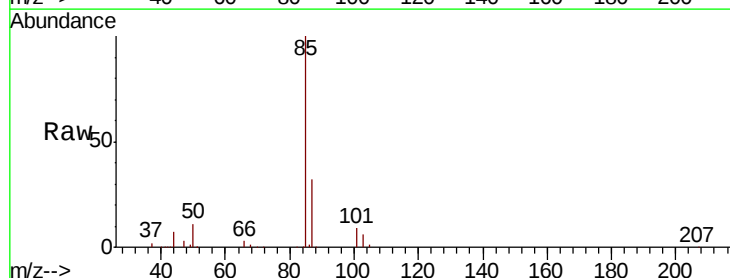
Acq: 19 Nov 2019 13:51

Tgt Ion: 85 Resp: 110758

Ion Ratio Lower Upper

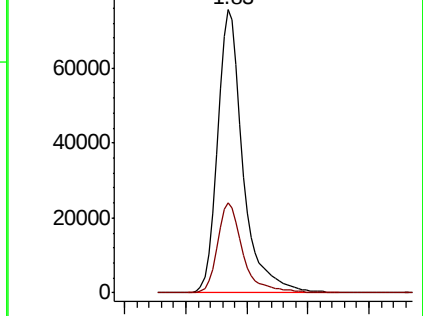
85 100

87 32.0 16.3 48.9

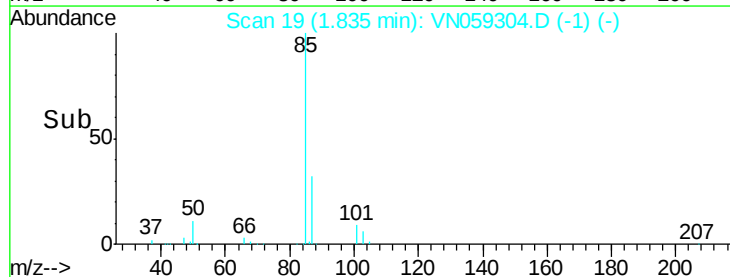


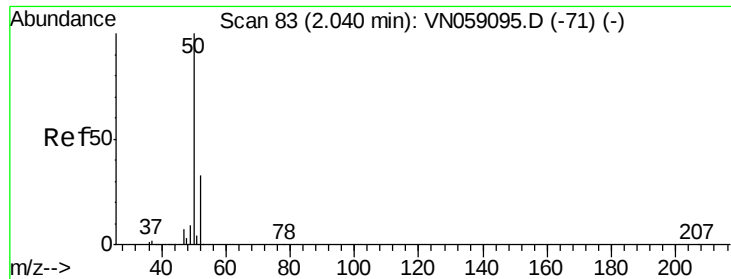
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 26.220 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 50 Resp: 127942

Ion Ratio Lower Upper

50 100

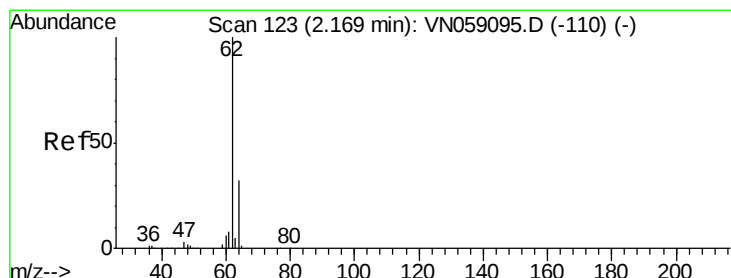
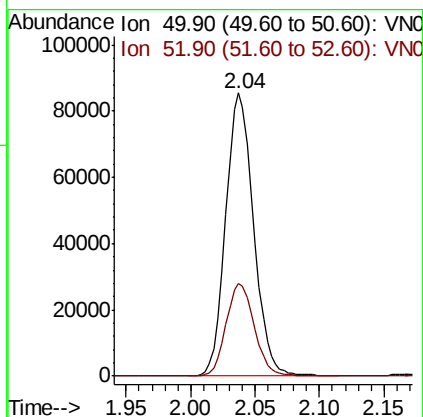
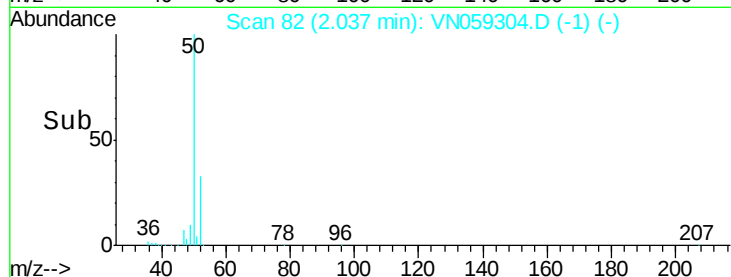
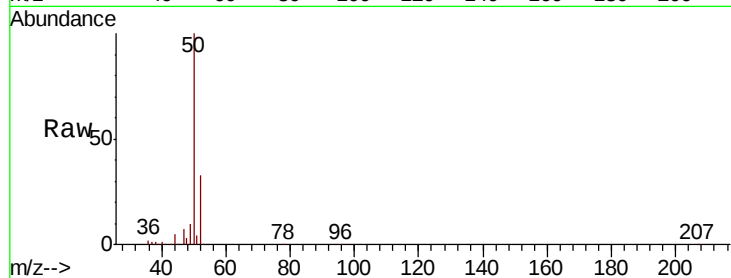
52 32.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 28.383 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059304.D

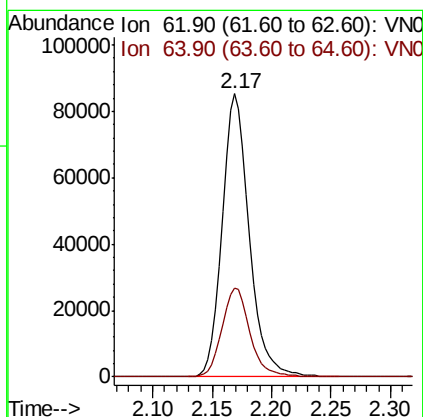
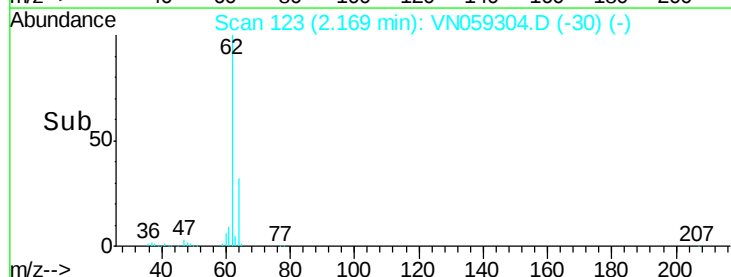
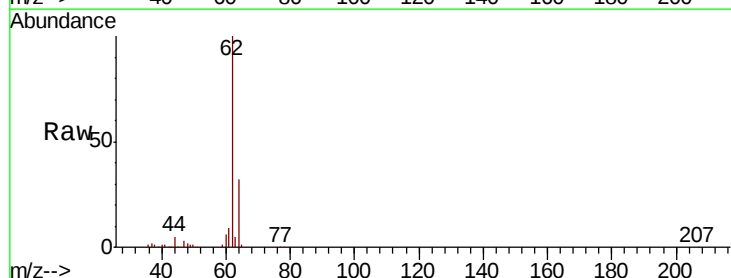
Acq: 19 Nov 2019 13:51

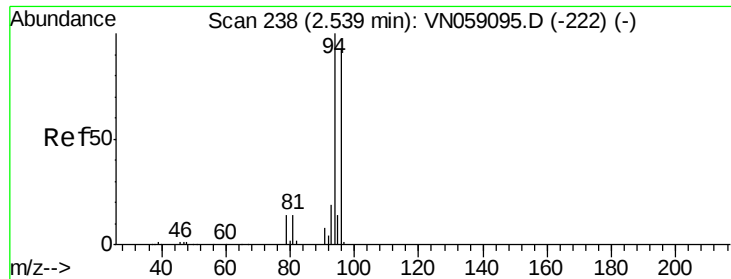
Tgt Ion: 62 Resp: 134277

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 25.939 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 94 Resp: 70618

Ion Ratio Lower Upper

94 100

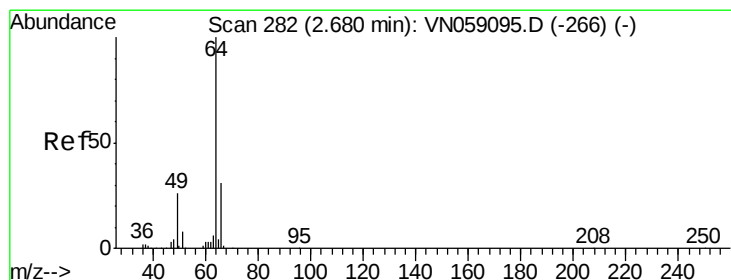
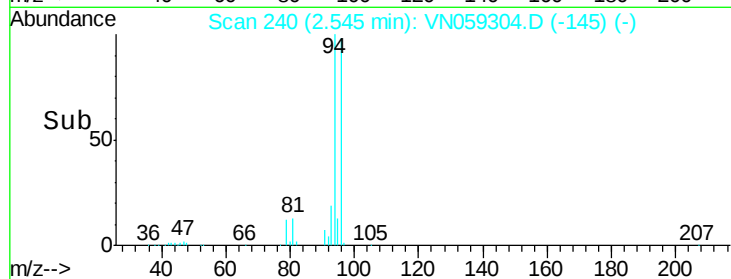
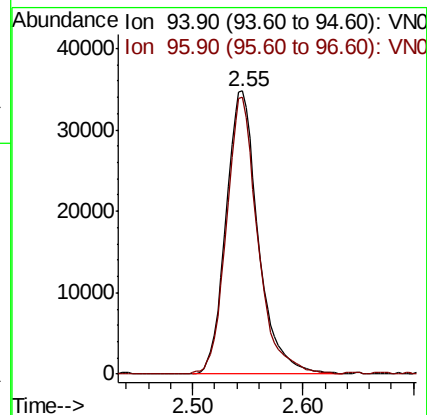
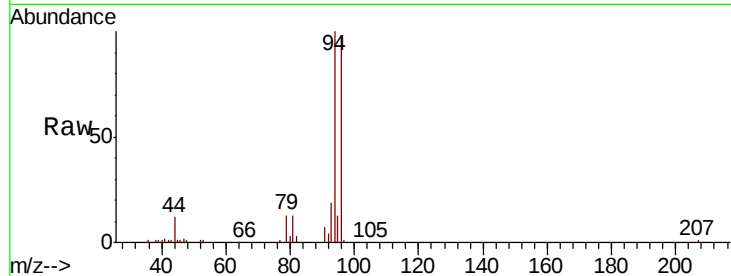
96 97.8 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 24.702 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059304.D

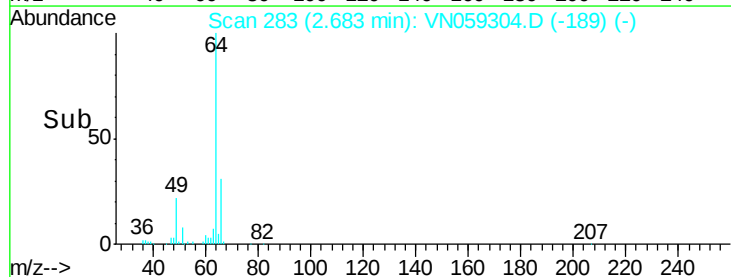
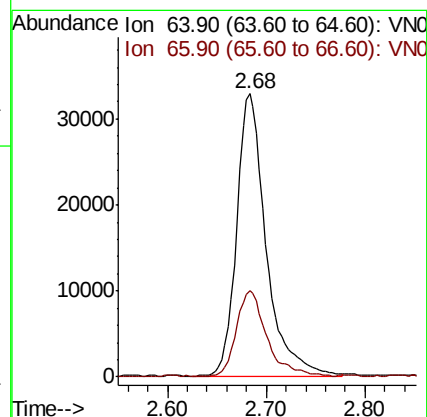
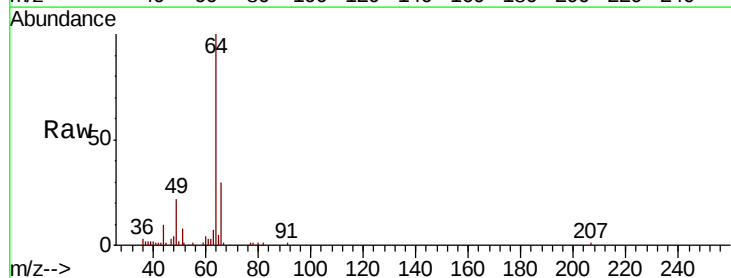
Acq: 19 Nov 2019 13:51

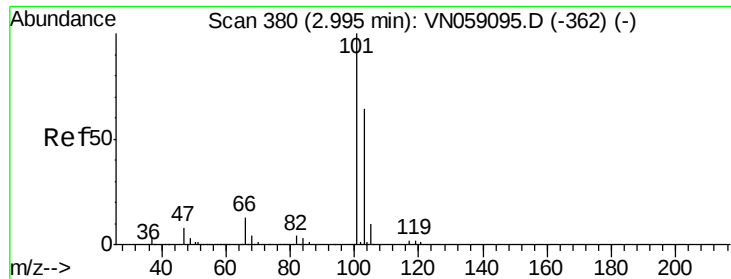
Tgt Ion: 64 Resp: 69128

Ion Ratio Lower Upper

64 100

66 30.5 25.2 37.8





#7

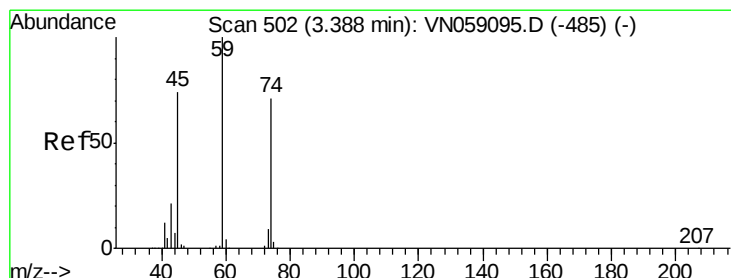
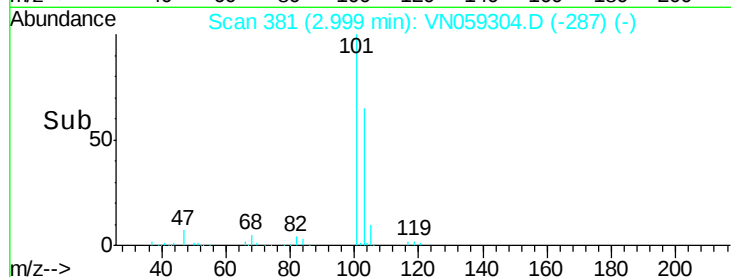
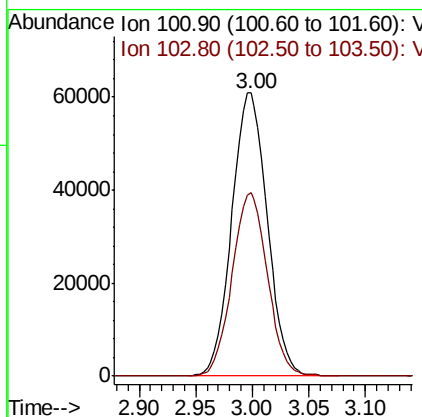
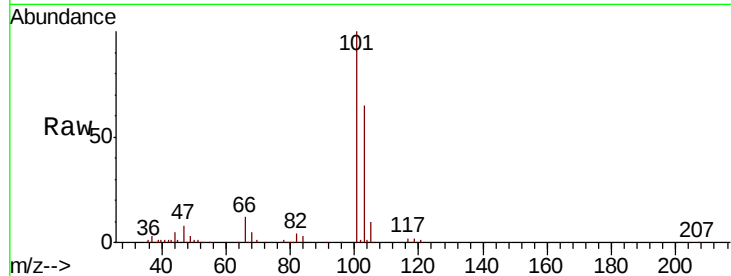
Trichlorofluoromethane
 Concen: 23.516 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
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 VN1119MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.2	76.8

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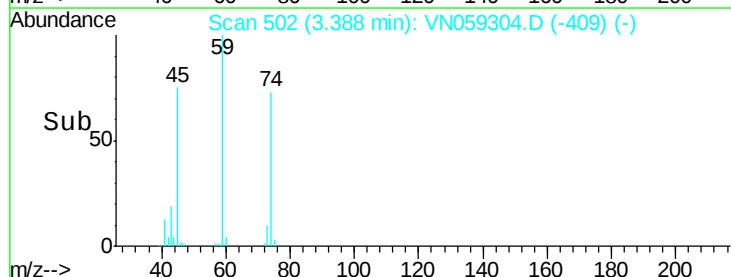
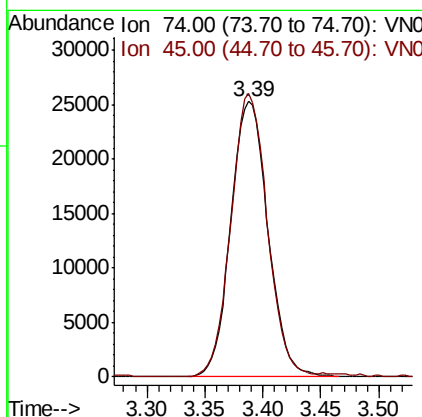
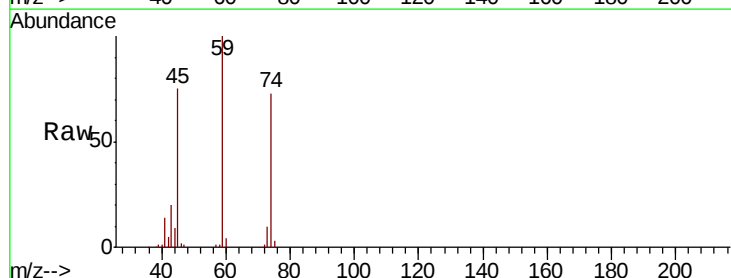
MMDadoda
 11/20/2019 1:37:20 PM

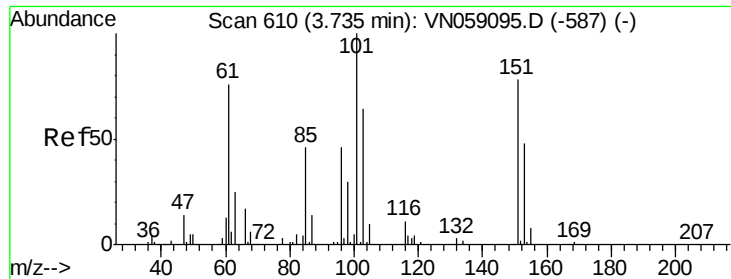


#8

Diethyl Ether
 Concen: 24.518 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.243 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

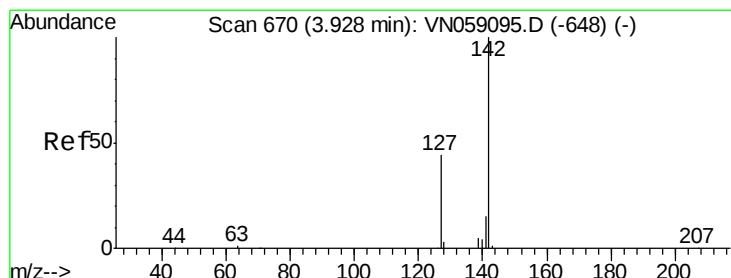
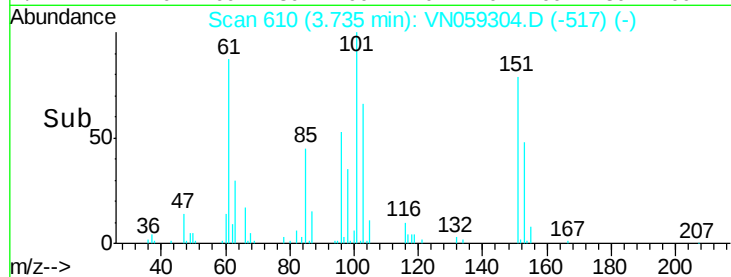
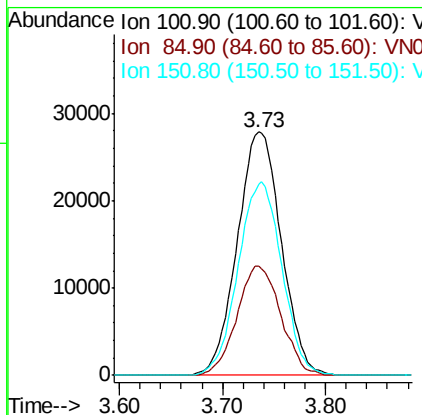
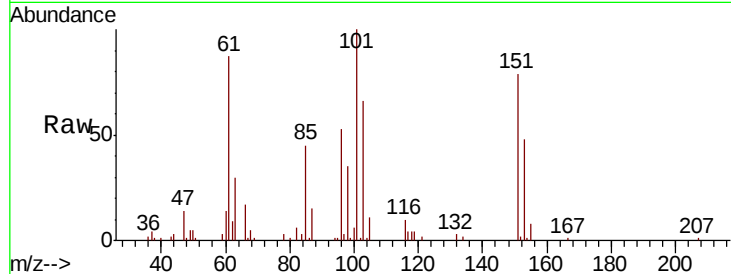
ClientSampleId :

VN1119MBS02

Tot Ion:	101	Resp:	82713
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.5	53.3
151	78.9	62.2	93.2

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#10

Methyl Iodide

Concen: 22.816 ug/l

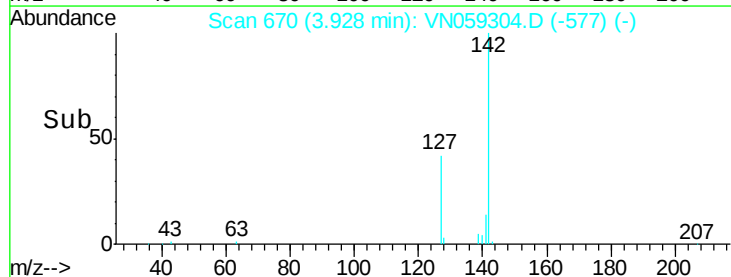
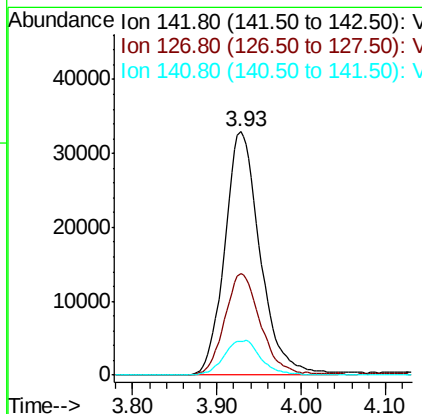
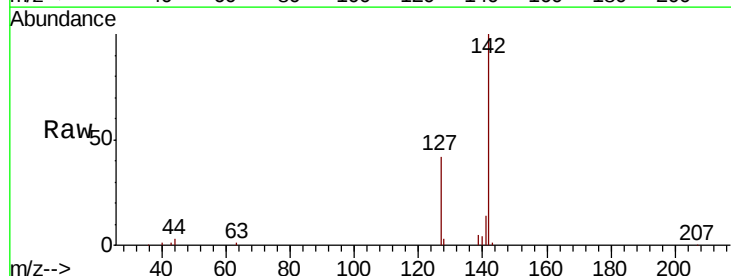
RT: 3.93 min Scan# 670

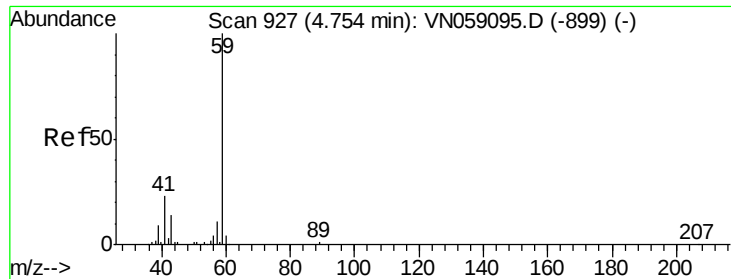
Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Tgt Ion:	142	Resp:	96353
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.2	51.2
141	14.5	11.4	17.0





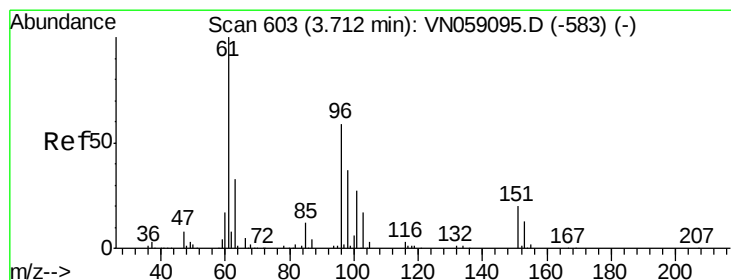
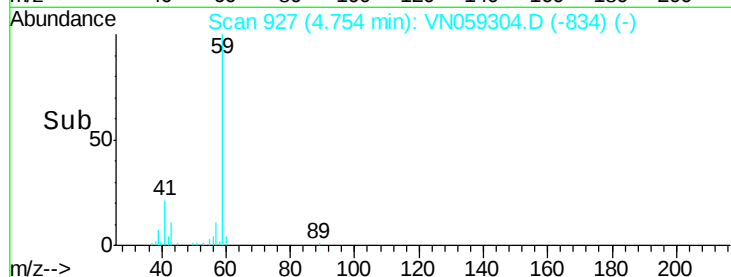
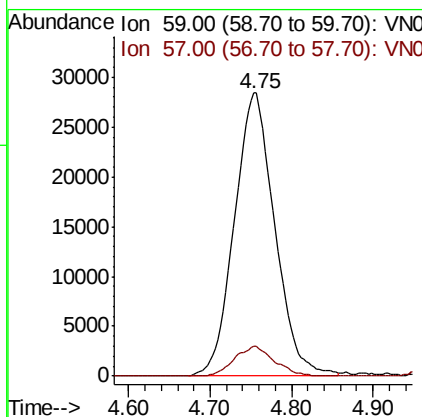
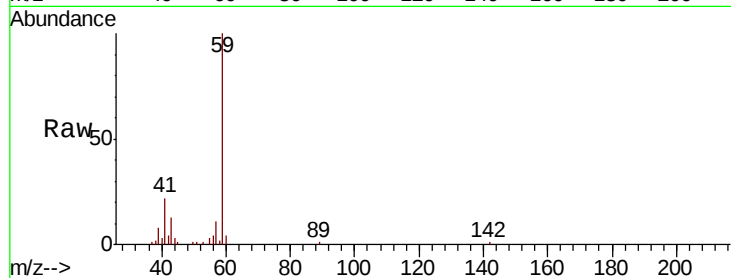
#11
Tert butyl alcohol
Concen: 117.124 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

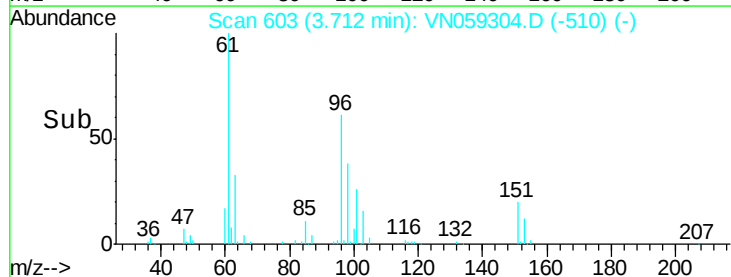
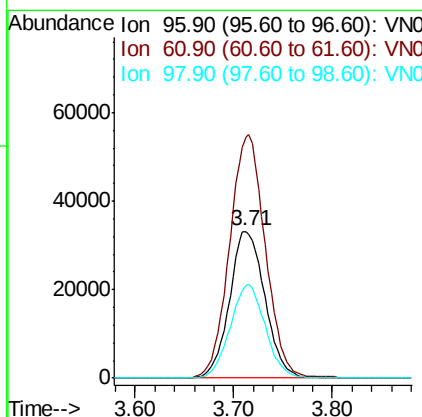
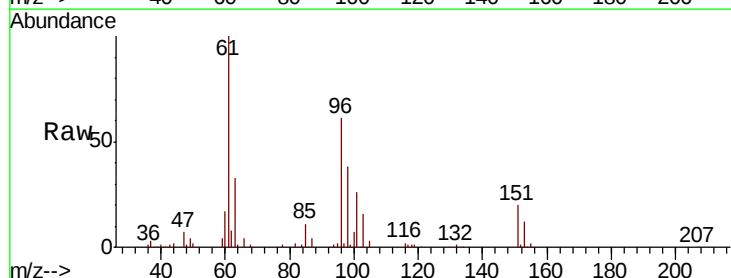
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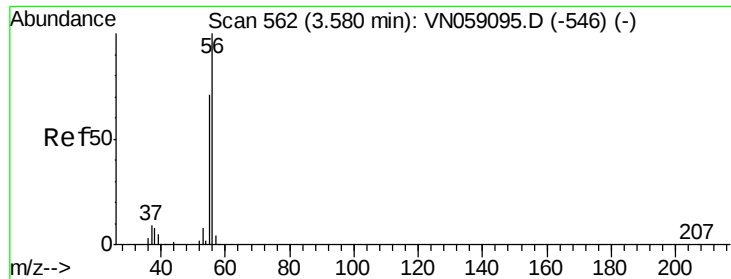
MMDadoda
11/20/2019 1:37:20 PM



#12
1,1-Dichloroethene
Concen: 24.982 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.5	136.5	204.7
98	63.3	50.2	75.4





#13

Acrolein

Concen: 83.029 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 56 Resp: 35730

Ion Ratio Lower Upper

56 100

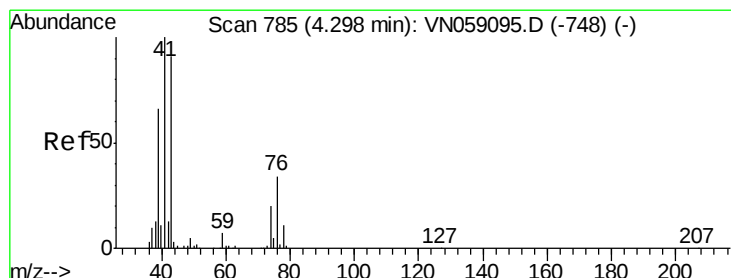
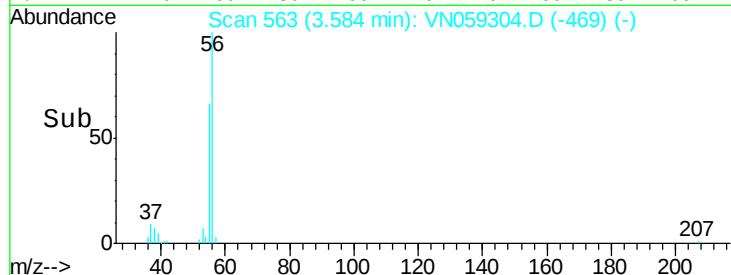
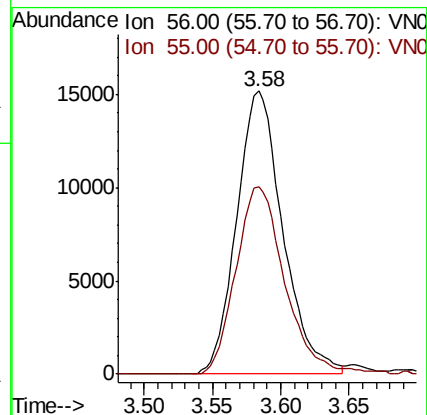
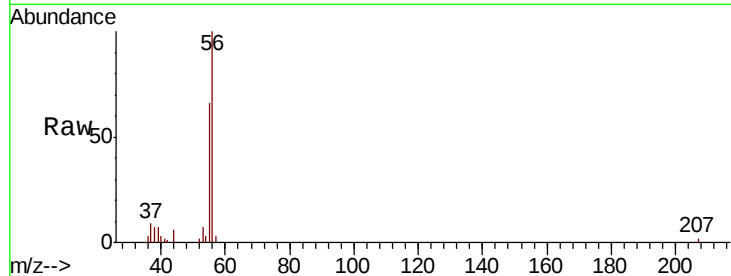
55 69.9 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 22.959 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

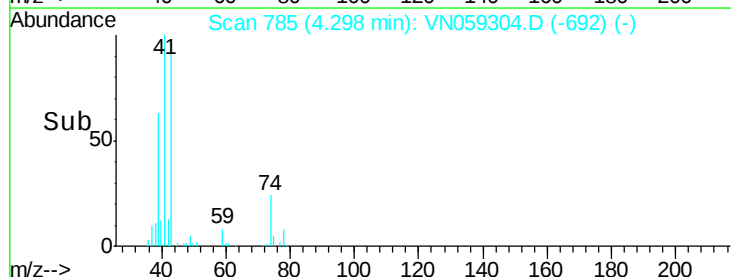
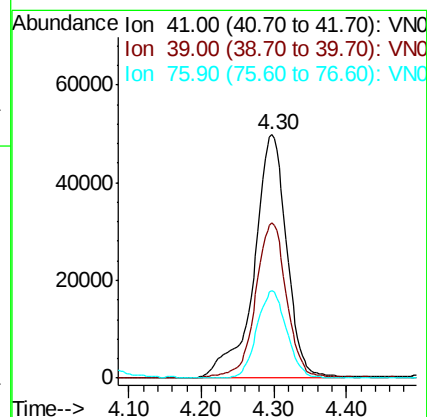
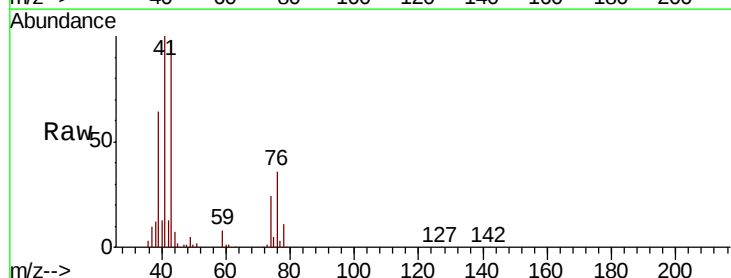
Tgt Ion: 41 Resp: 156740

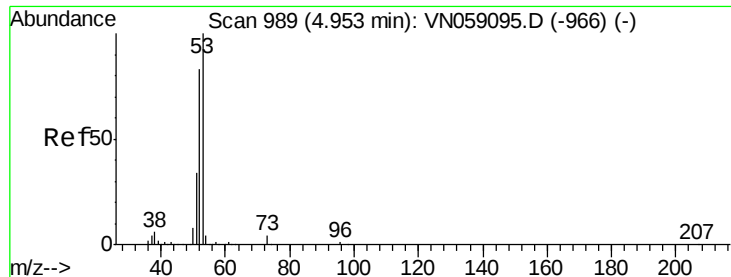
Ion Ratio Lower Upper

41 100

39 60.7 49.1 73.7

76 32.5 24.9 37.3





#15

Acrylonitrile

Concen: 119.291 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

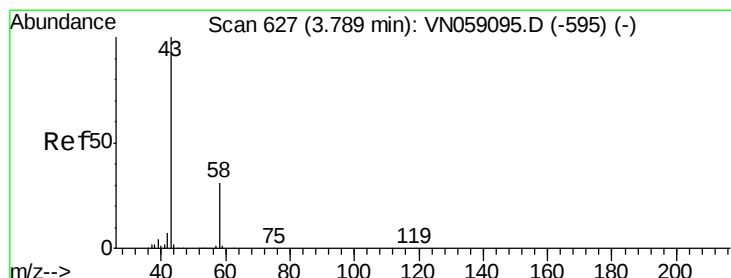
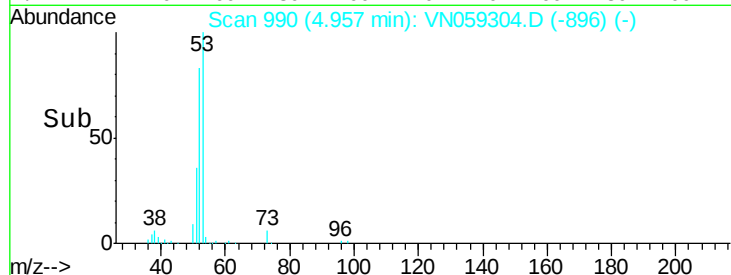
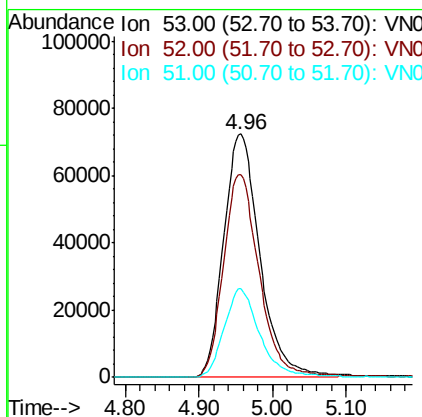
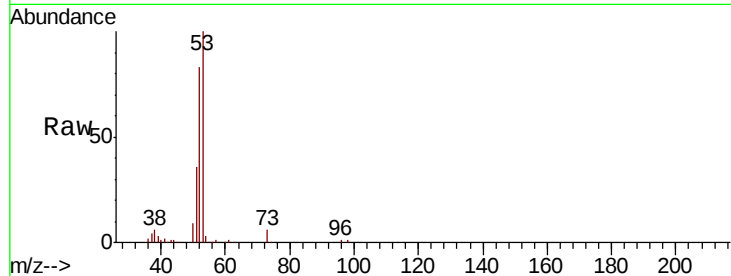
ClientSampleId :

VN1119MBS02

Tot Ion:	53	Resp:	247789
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.0	97.6
51	35.7	28.0	42.0

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#16

Acetone

Concen: 90.160 ug/l

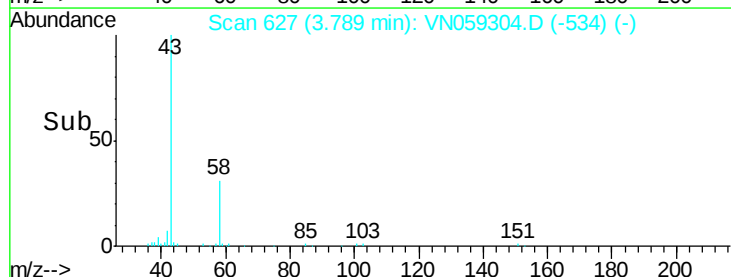
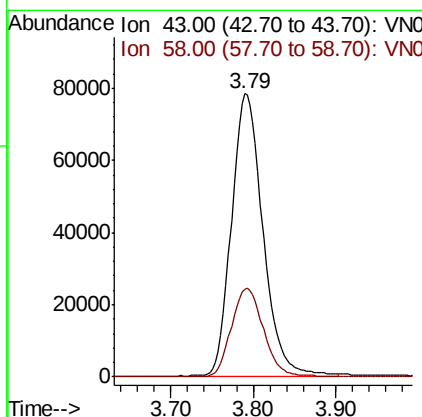
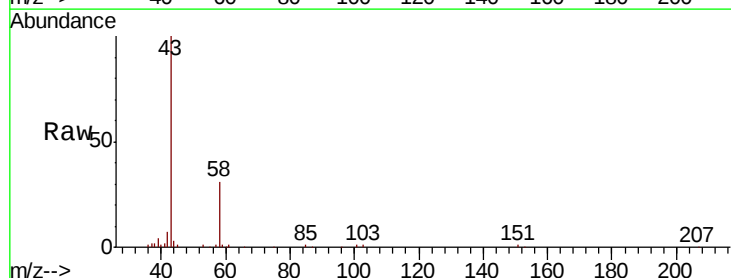
RT: 3.79 min Scan# 627

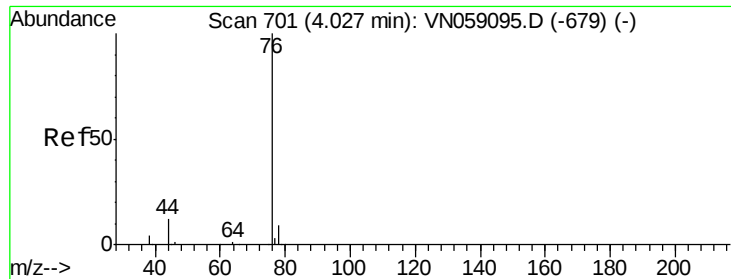
Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Tgt Ion:	43	Resp:	205338
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.9	37.3





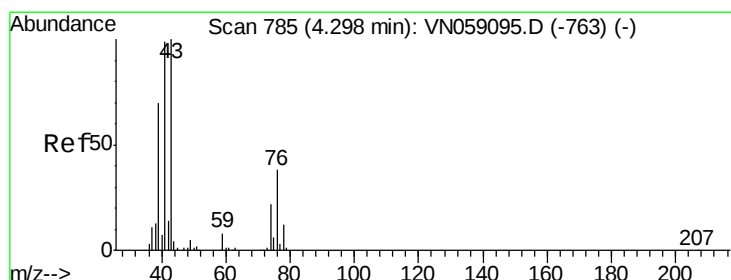
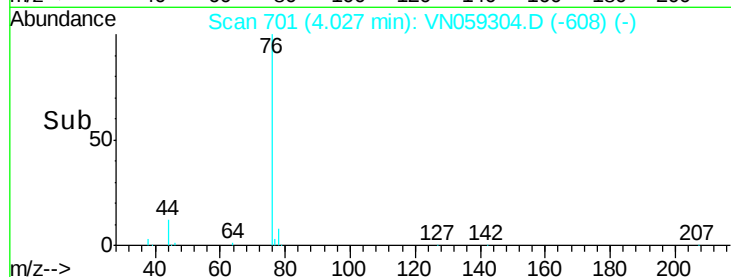
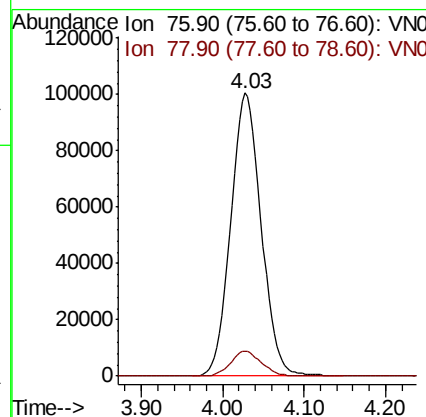
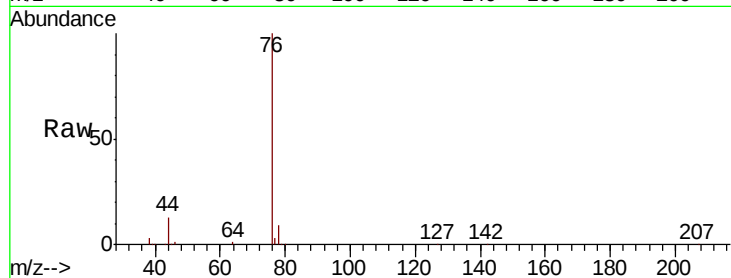
#17
Carbon Disulfide
Concen: 25.483 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion: 76 Resp: 262908
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

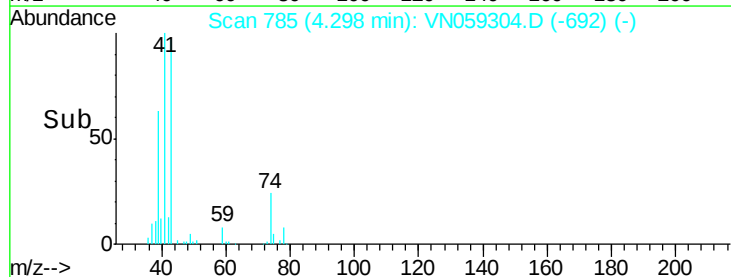
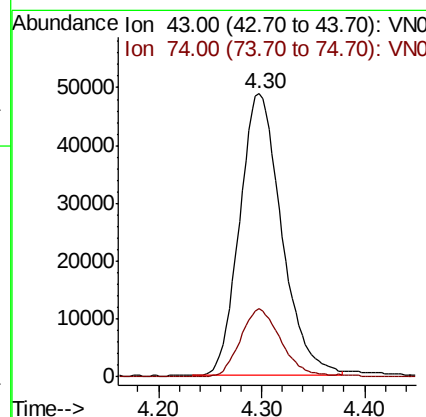
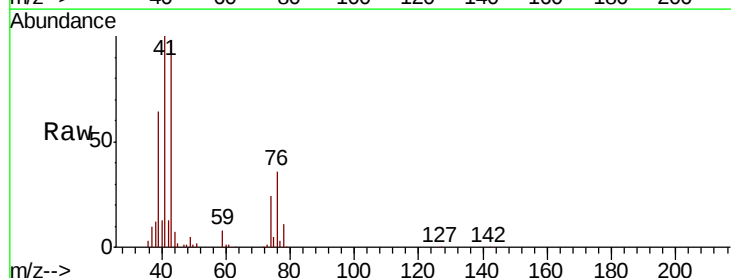
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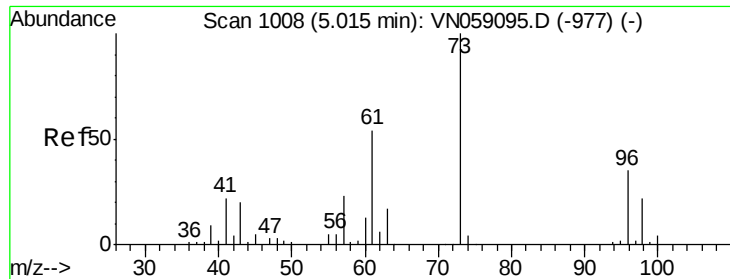
MMDadoda
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#18
Methyl Acetate
Concen: 25.599 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion: 43 Resp: 138382
Ion Ratio Lower Upper
43 100
74 23.4 17.8 26.8





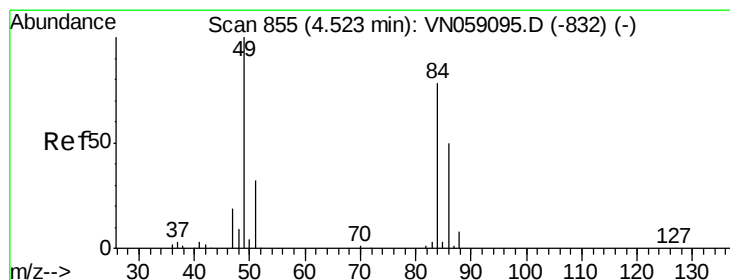
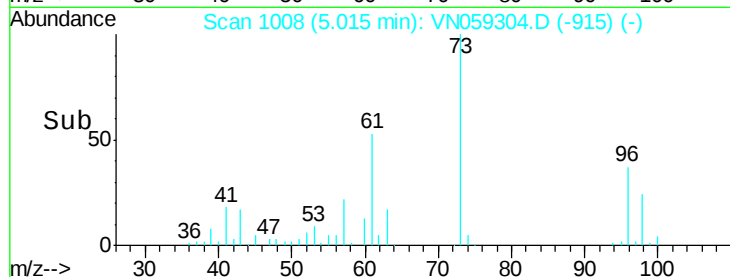
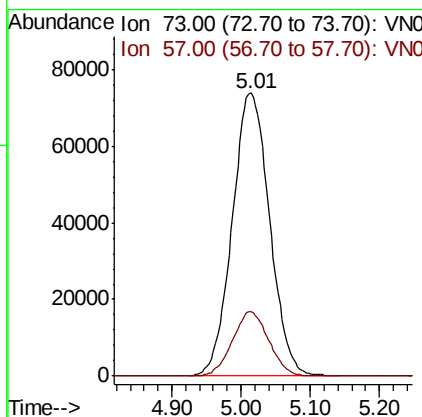
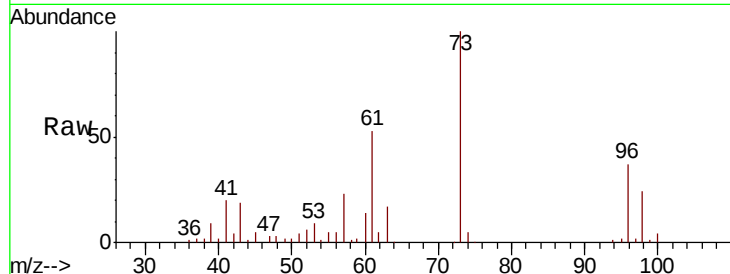
#19
Methvl tert-butvl Ether
Concen: 24.223 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion: 73 Resp: 277170
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

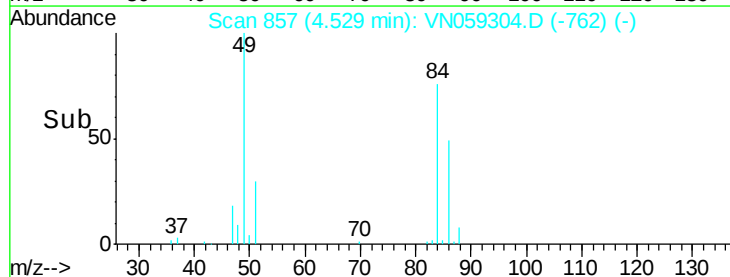
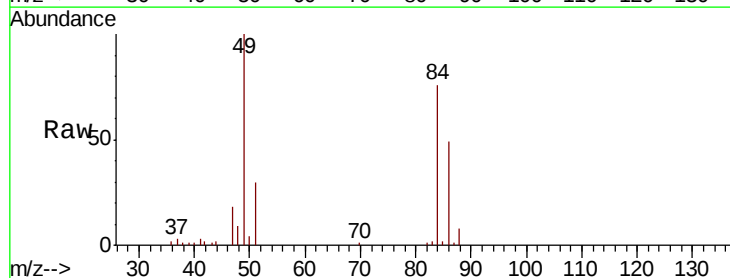
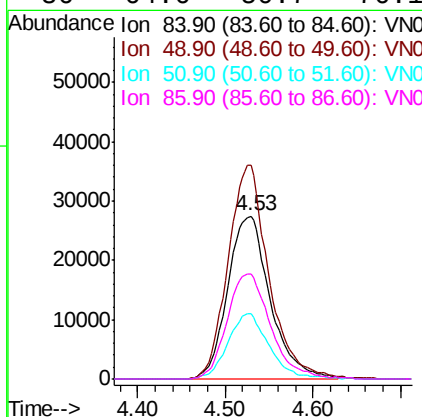
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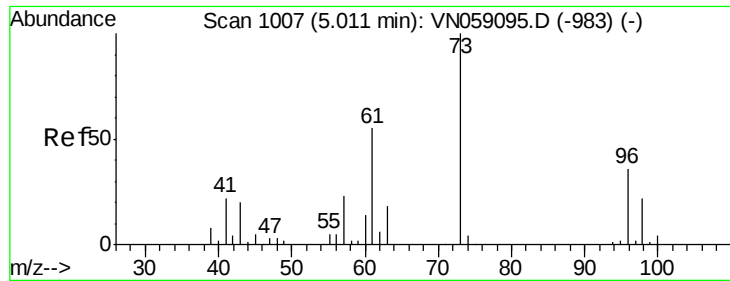
MMDadoda
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#20
Methylene Chloride
Concen: 23.336 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion: 84 Resp: 92590
Ion Ratio Lower Upper
84 100
49 131.0 102.0 153.0
51 39.7 32.2 48.2
86 64.6 50.7 76.1





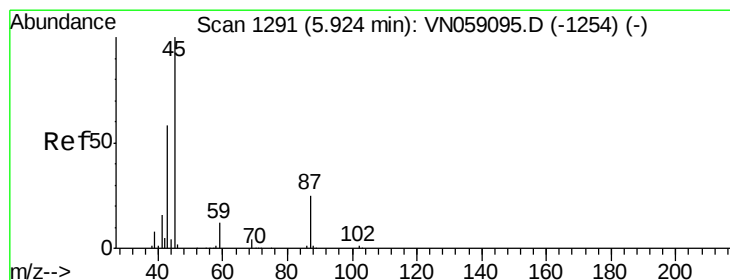
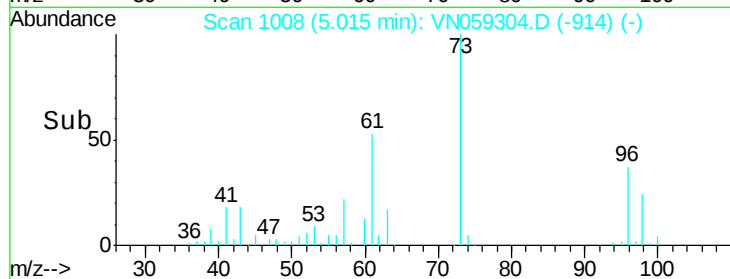
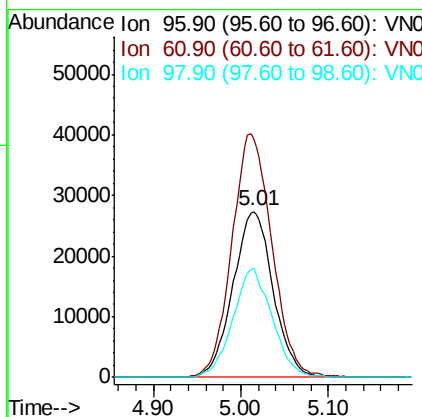
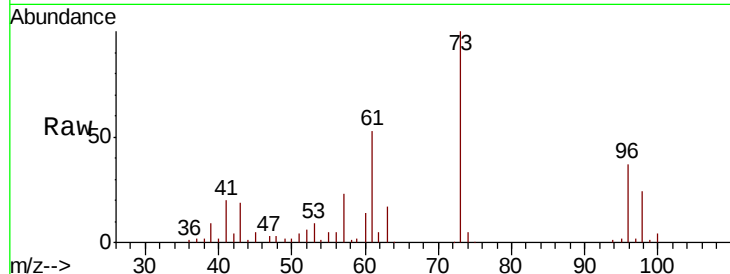
#21
trans-1,2-Dichloroethene
Concen: 24.357 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	122.6	183.8
98	65.5	50.3	75.5

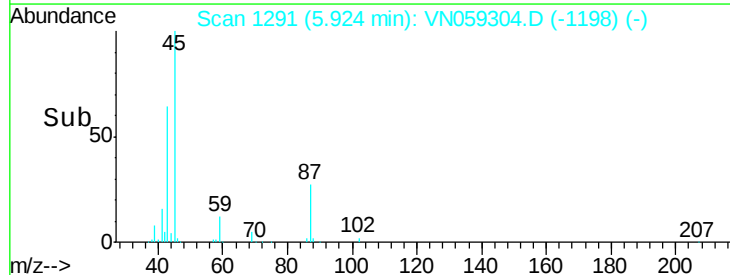
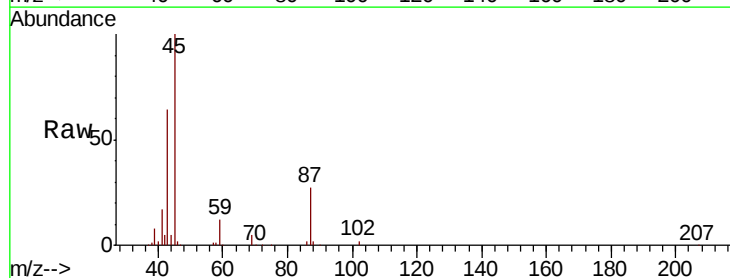
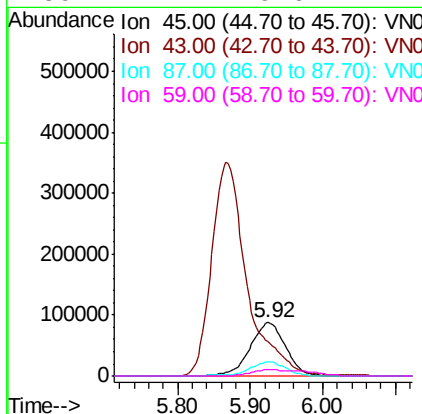
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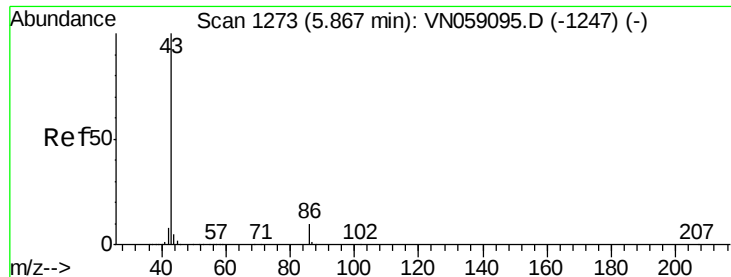
MMDadoda
11/20/2019 1:37:20 PM



#22
Diisopropyl ether
Concen: 23.097 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	46.7	70.1
87	26.9	20.5	30.7
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 118.805 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 43 Resp: 1187334

Ion Ratio Lower Upper

43 100

86 9.9

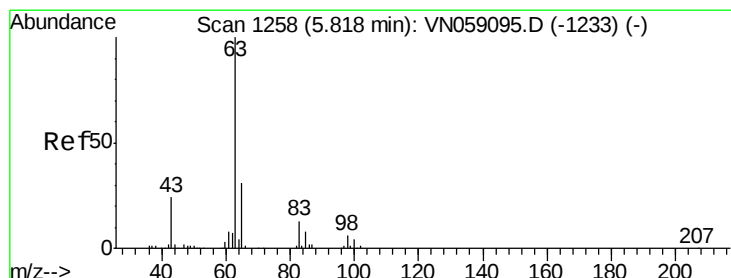
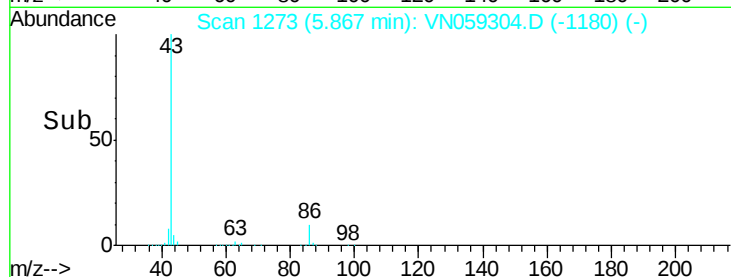
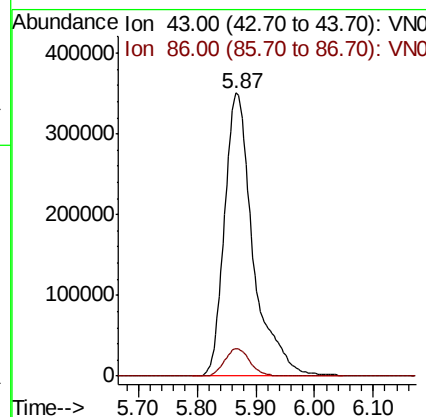
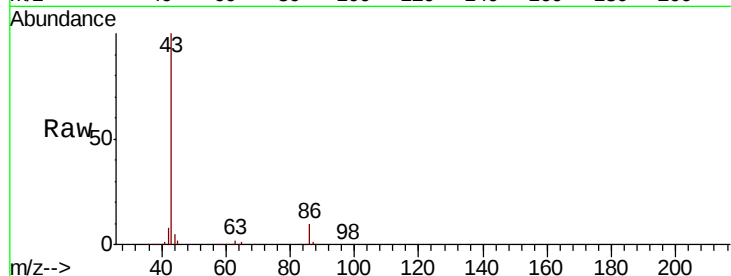
7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.407 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Tgt Ion: 63 Resp: 168584

Ion Ratio Lower Upper

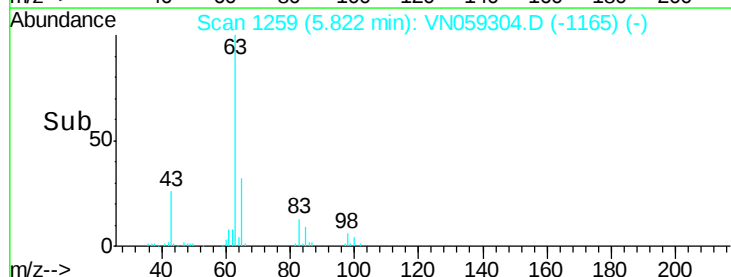
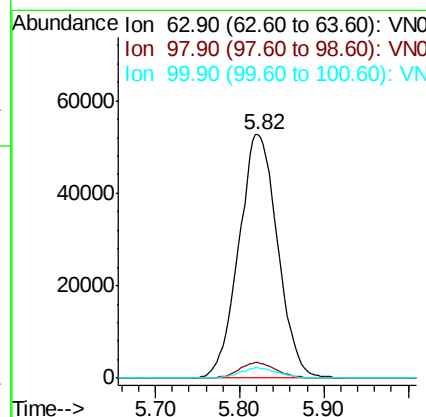
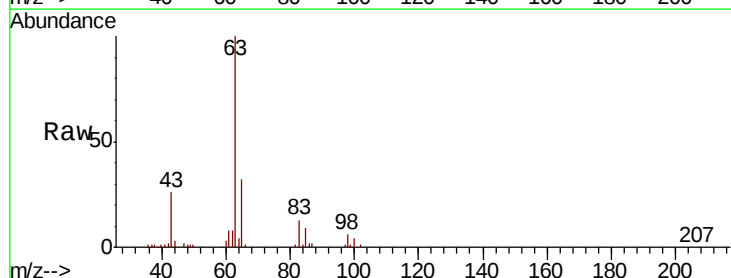
63 100

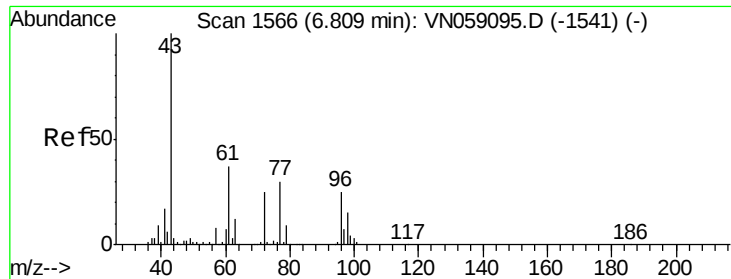
98 6.3

2.8 8.4

100 4.2

1.9 5.7





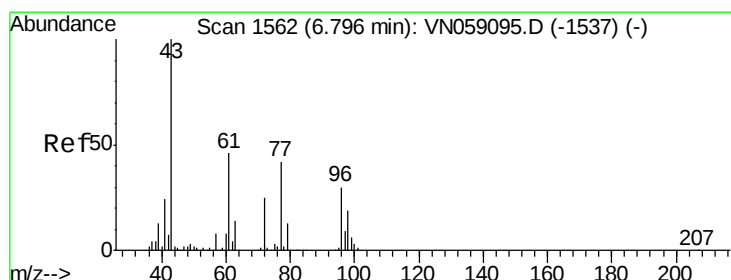
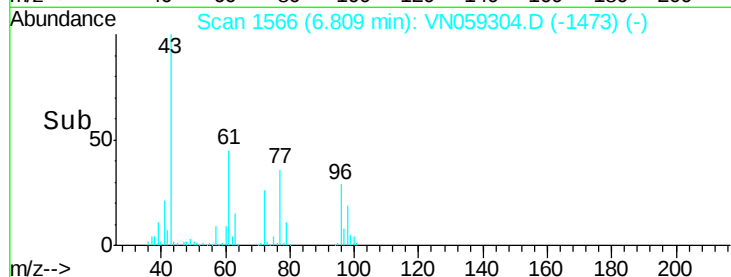
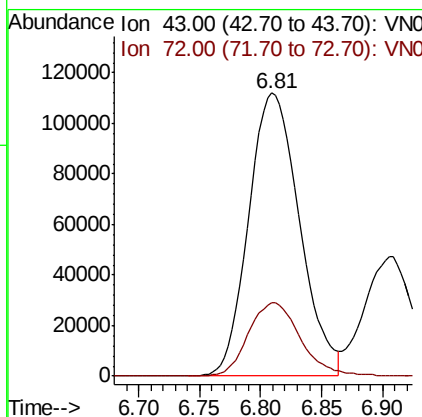
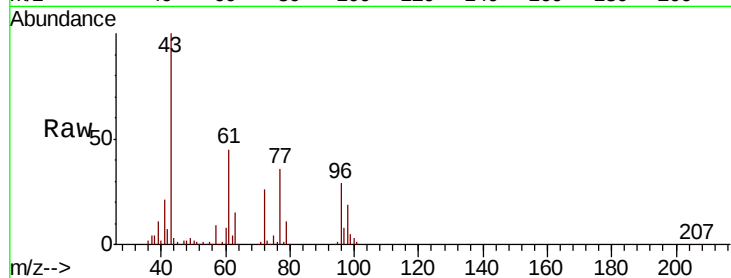
#25
2-Butanone
Concen: 107.711 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion: 43 Resp: 323303
Ion Ratio Lower Upper
43 100
72 25.9 20.3 30.5

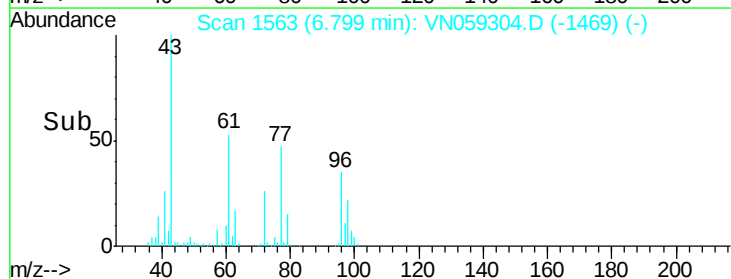
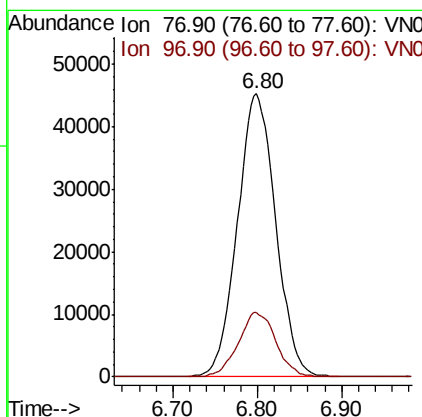
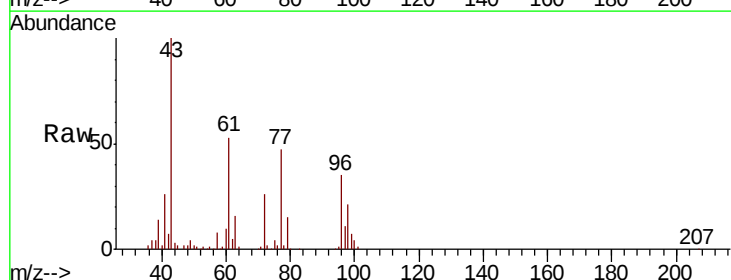
Manual Integrations
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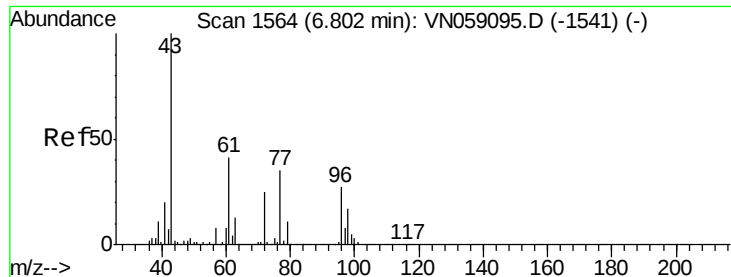
MMDadoda
11/20/2019 1:37:20 PM



#26
2,2-Dichloropropane
Concen: 22.672 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion: 77 Resp: 142785
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 24.099 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

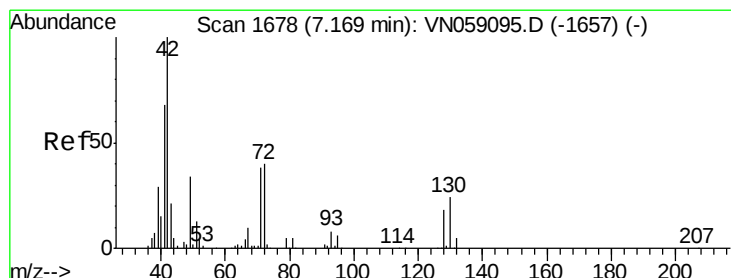
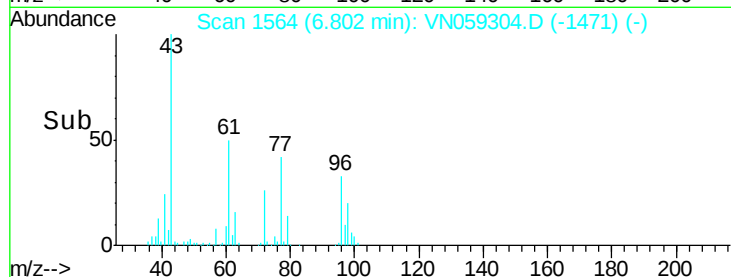
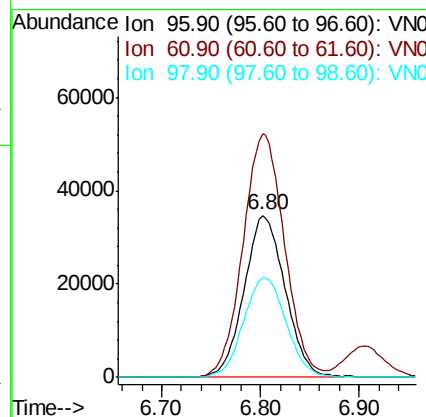
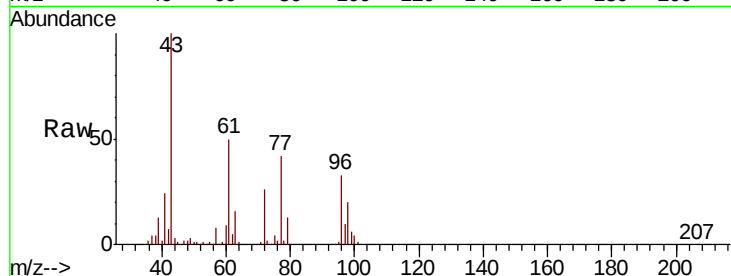
ClientSampleId :

VN1119MBS02

Tot Ion:	96	Resp:	99743
Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	311.6
98	64.0	0.0	129.8

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#28

Bromochloromethane

Concen: 17.864 ug/l

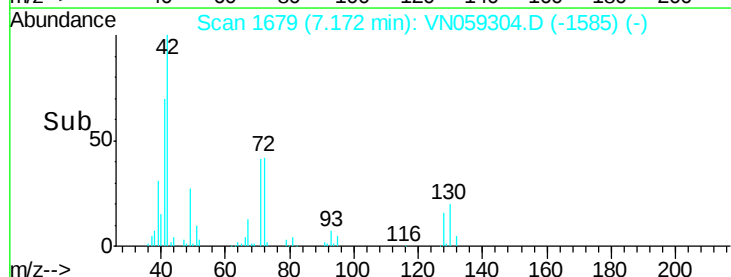
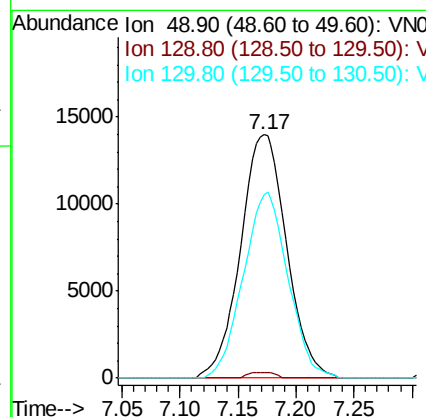
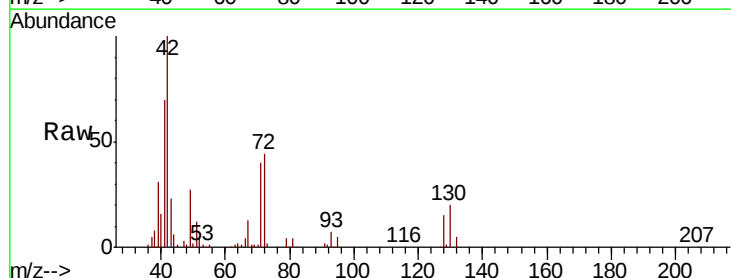
RT: 7.17 min Scan# 1679

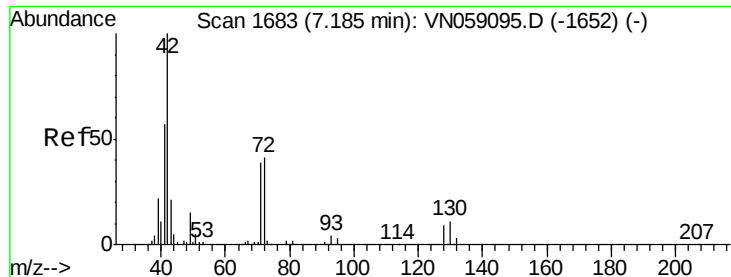
Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Tgt Ion:	49	Resp:	38709
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	73.8	55.6	83.4





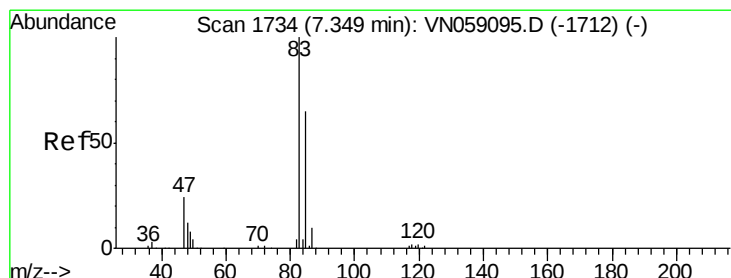
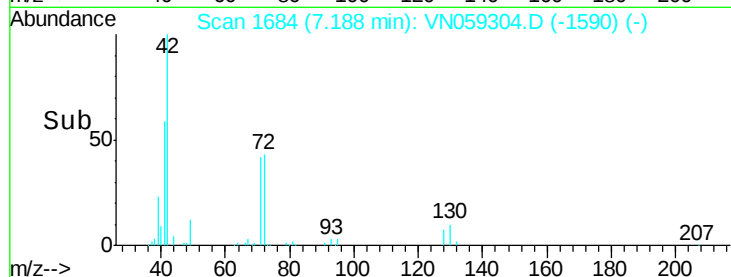
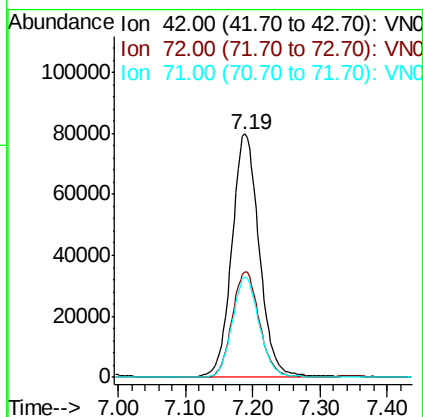
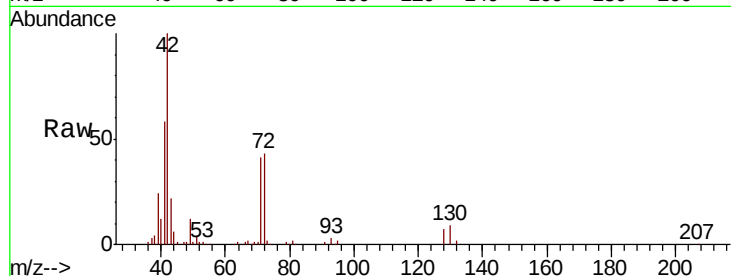
#29
Tetrahydrofuran
Concen: 117.316 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.1	49.7
71	40.9	30.9	46.3

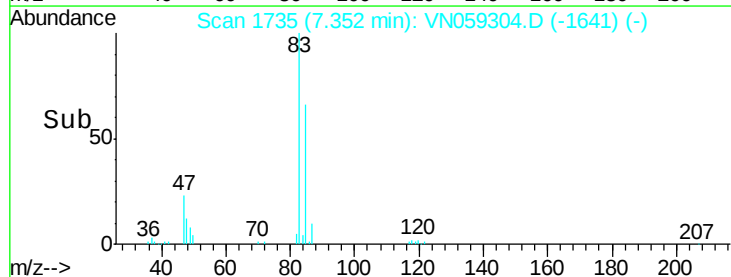
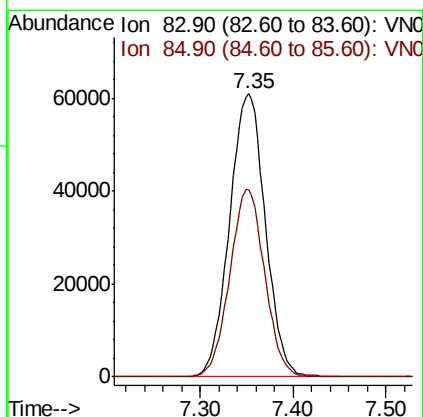
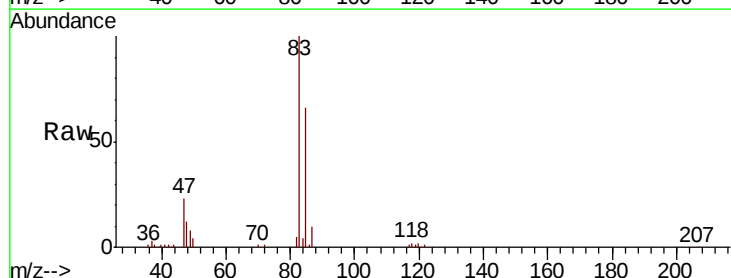
Manual Integrations
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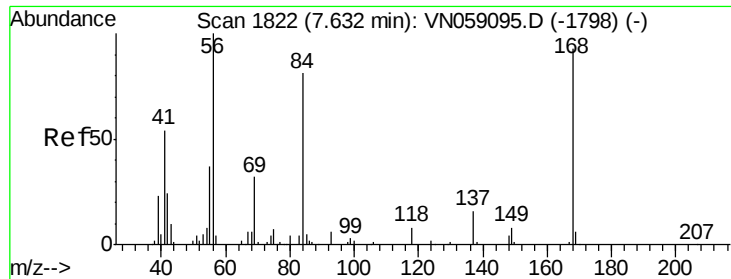
MMDadoda
11/20/2019 1:37:20 PM



#30
Chloroform
Concen: 23.650 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.8





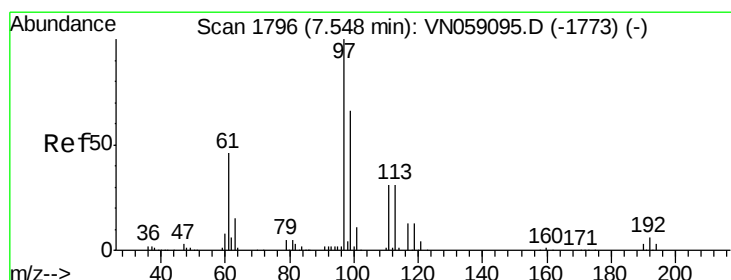
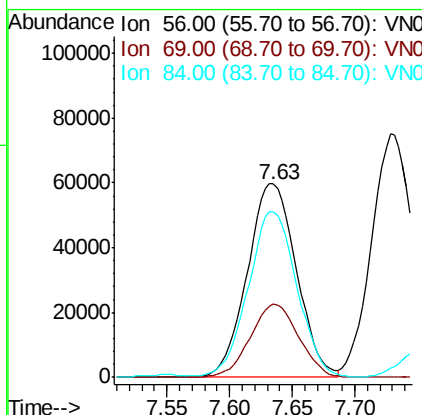
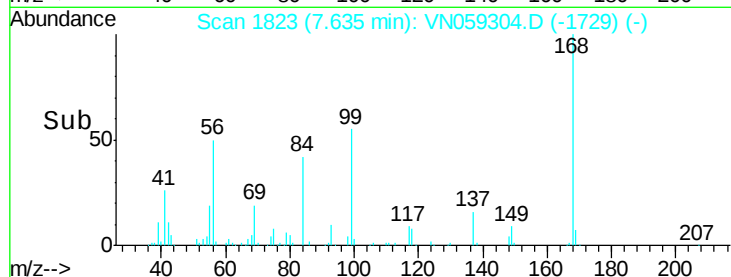
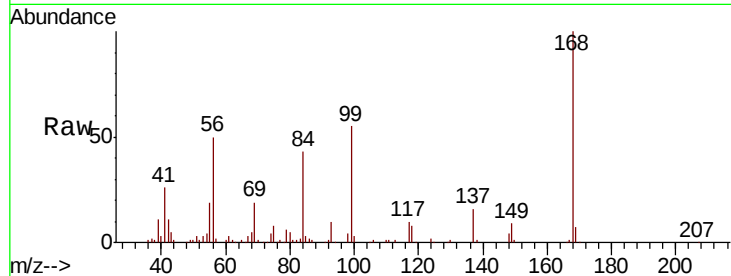
#31
Cyclohexane
Concen: 23.889 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	25.8	38.8
84	84.7	65.0	97.4

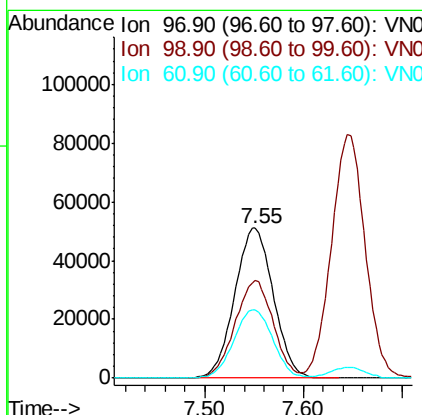
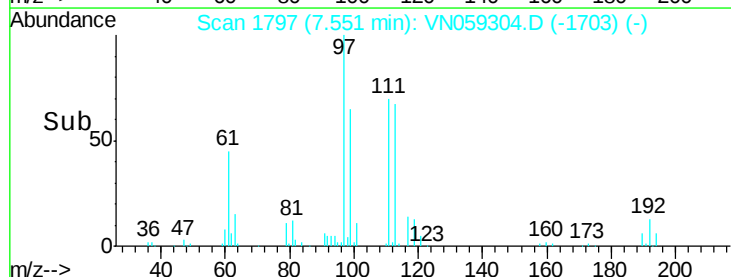
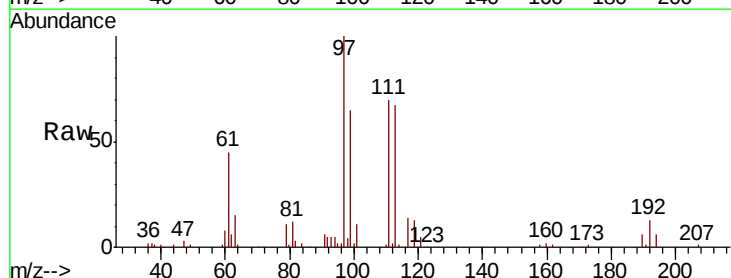
Manual Integrations
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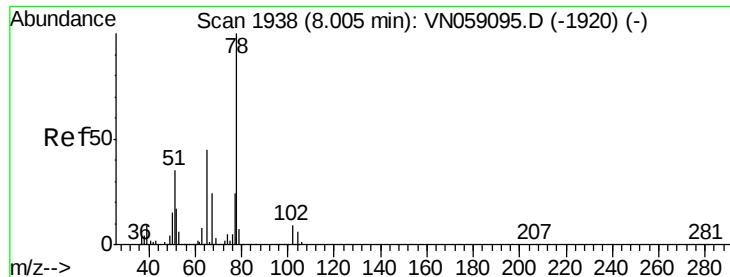
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 23.887 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	45.9	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 46.461 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 65 Resp: 203482

Ion Ratio Lower Upper

65 100

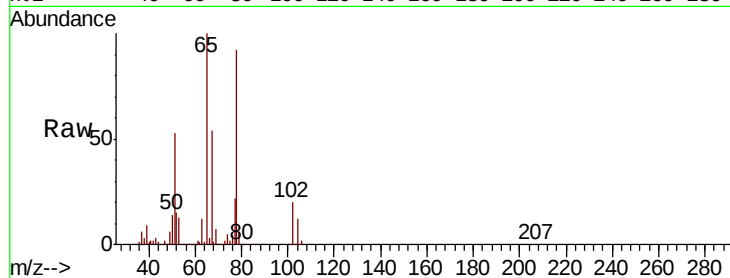
67 54.1 0.0 107.4

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

100000

80000

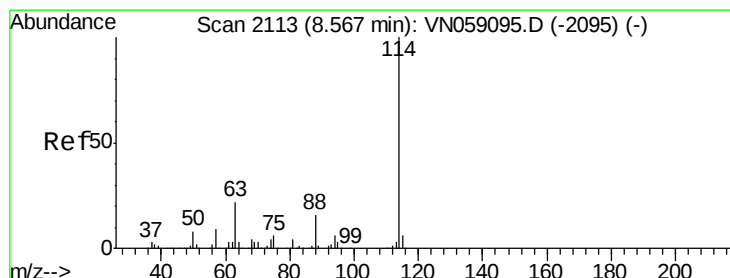
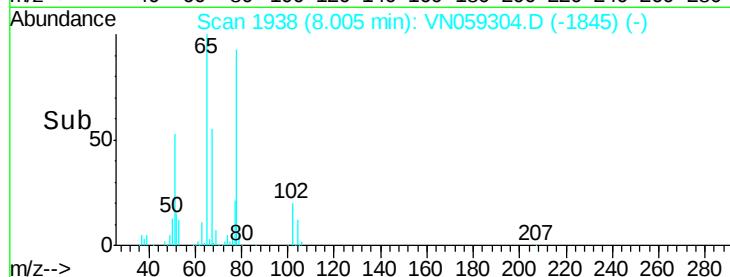
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

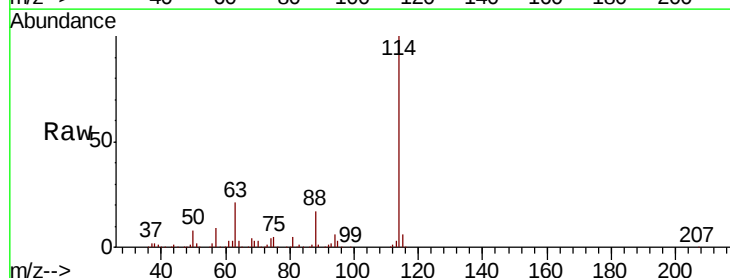
Tgt Ion: 114 Resp: 558650

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.4

88 16.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

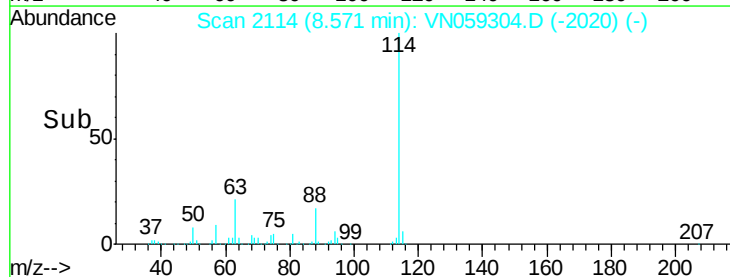
300000

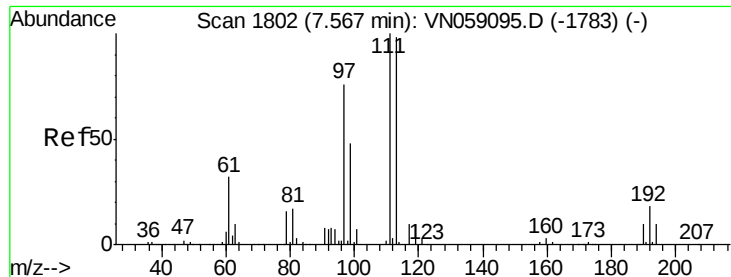
200000

100000

0

Time-->





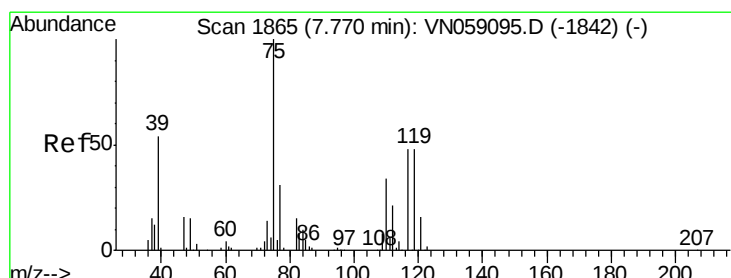
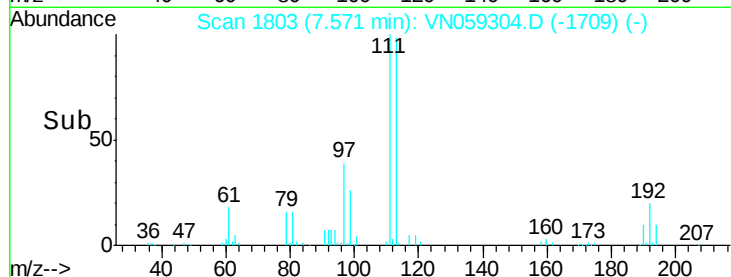
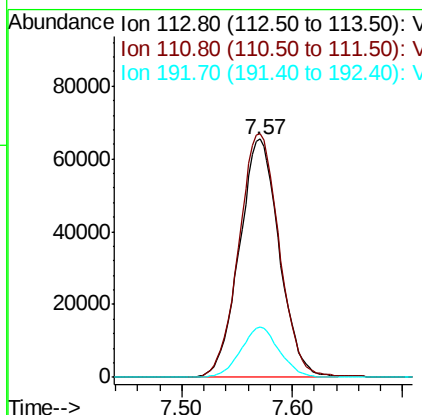
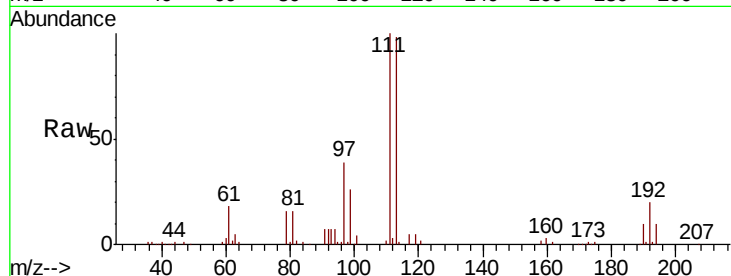
#35
 Dibromofluoromethane
 Concen: 49.038 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163576		
111	103.5	82.8	124.2	
192	20.4	16.1	24.1	

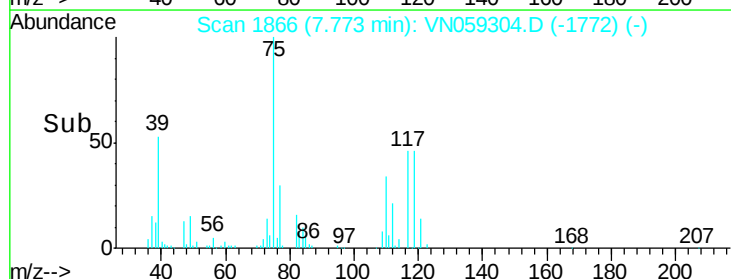
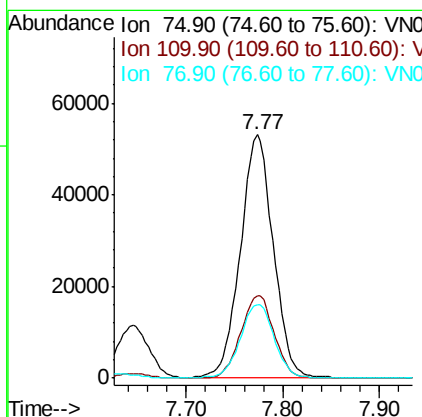
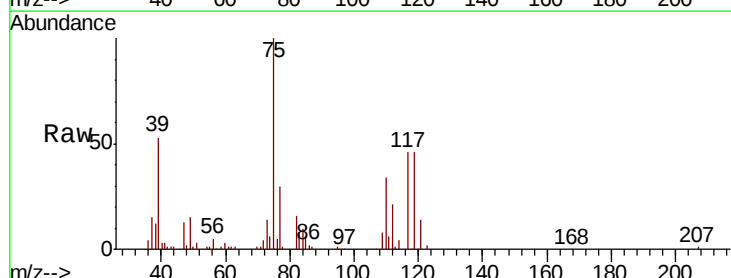
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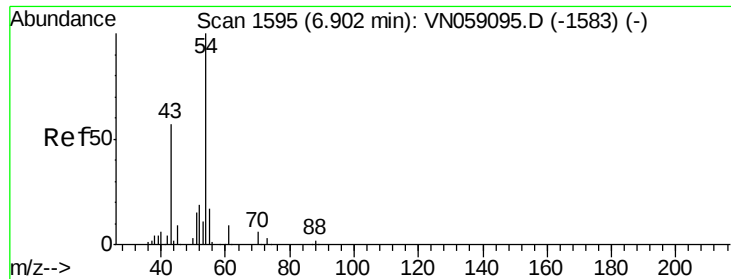
MMDadoda
 11/20/2019 1:37:20 PM



#36
 1,1-Dichloropropene
 Concen: 24.101 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125852		
110	34.1	17.1	51.2	
77	31.3	24.8	37.2	





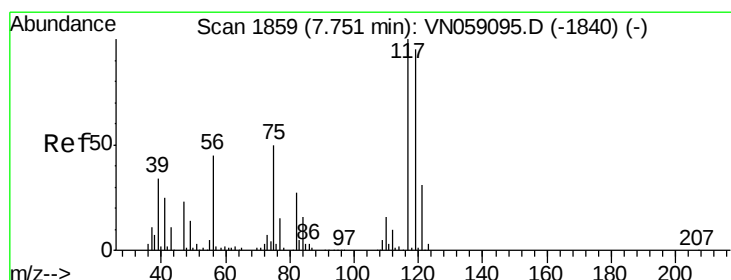
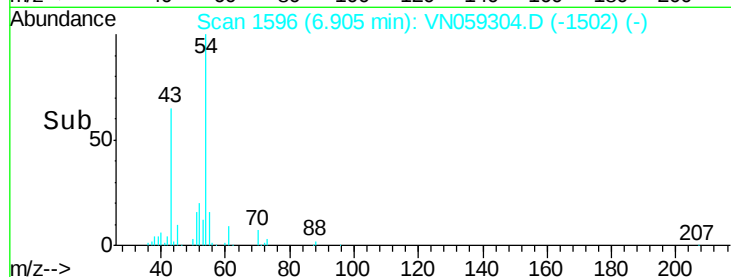
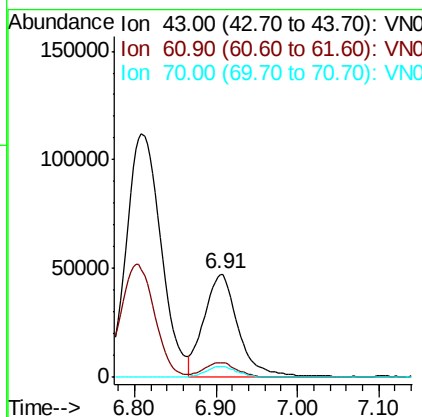
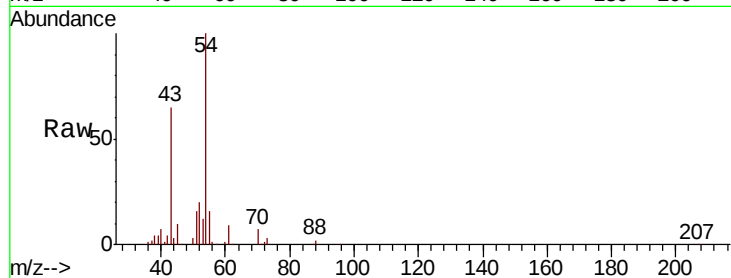
#37
Ethyl Acetate
Concen: 23.558 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.2	16.8
70	10.2	7.8	11.8

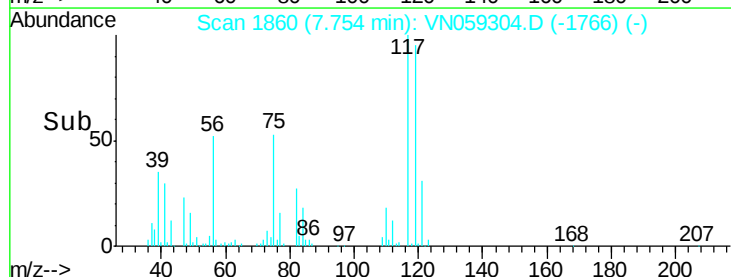
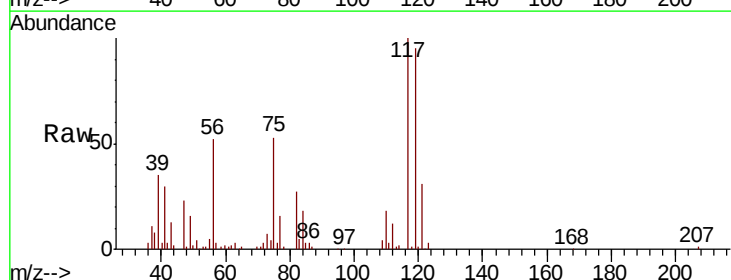
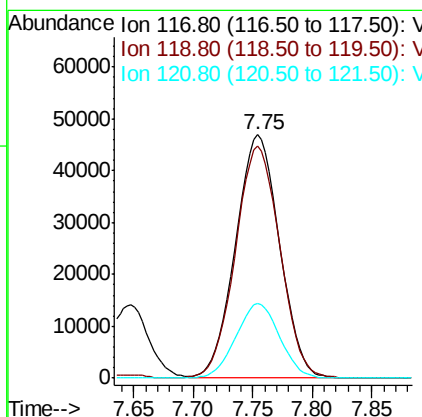
Manual Integrations
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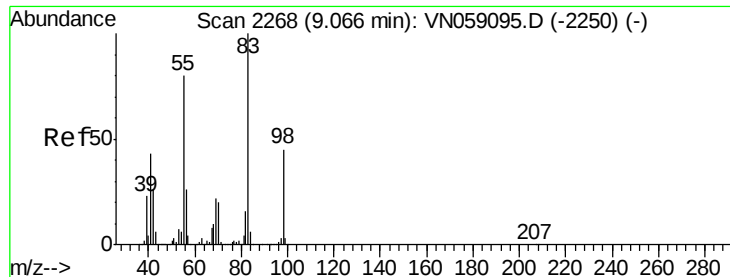
MMDadoda
11/20/2019 1:37:20 PM



#38
Carbon Tetrachloride
Concen: 23.161 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
121	30.6	24.6	36.8





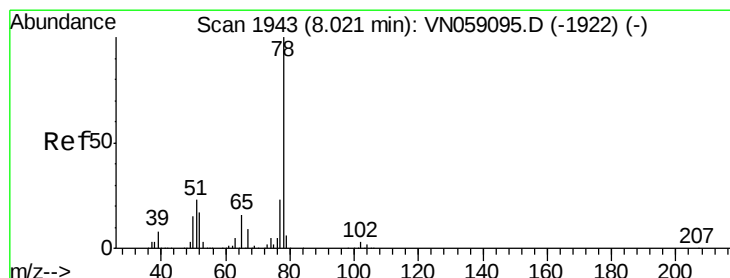
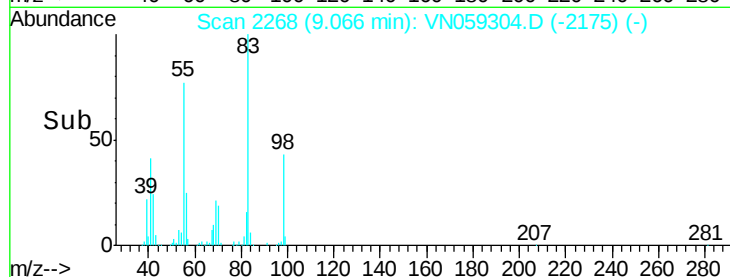
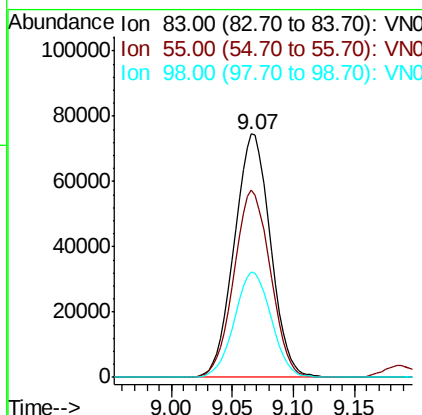
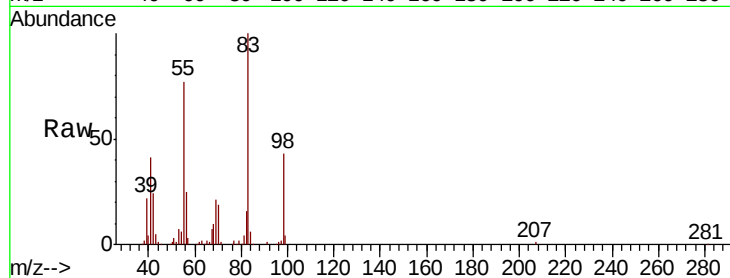
#39
Methvlcvclohexane
Concen: 25.318 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	63.9	95.9
98	43.3	35.6	53.4

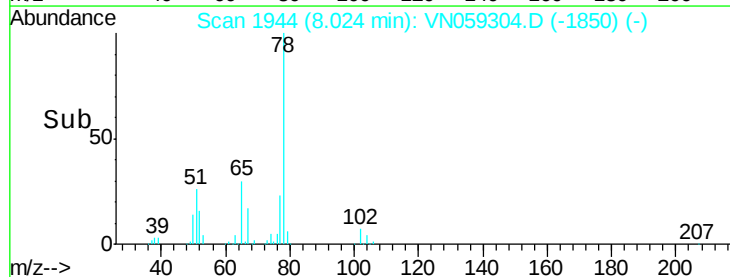
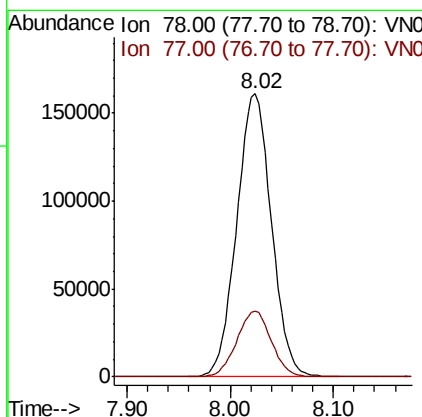
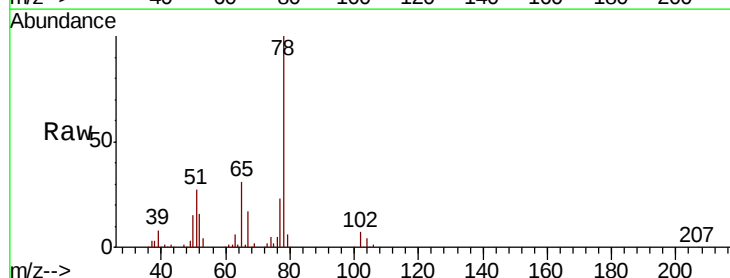
Manual Integrations
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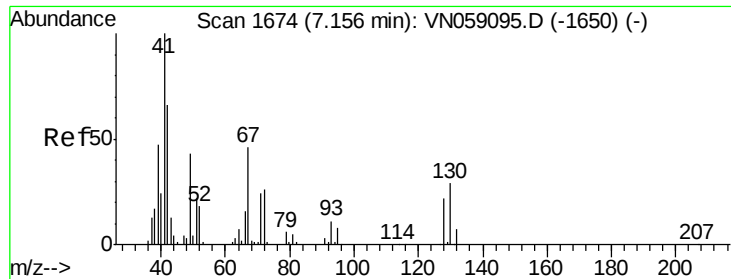
MMDadoda
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#40
Benzene
Concen: 23.978 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





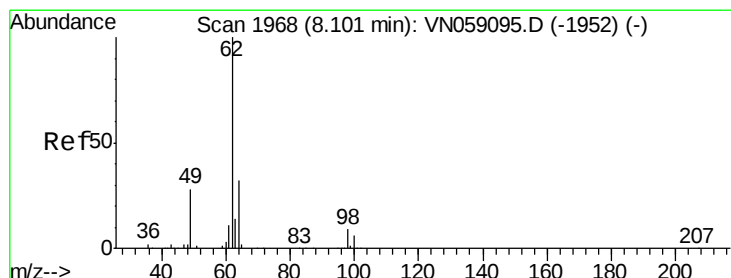
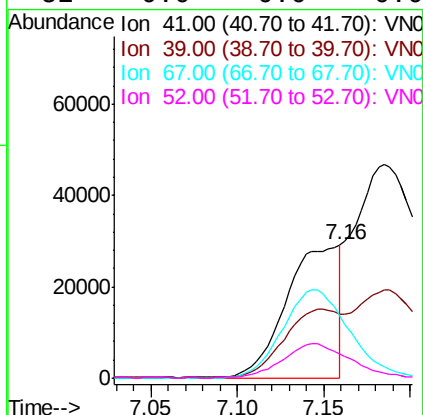
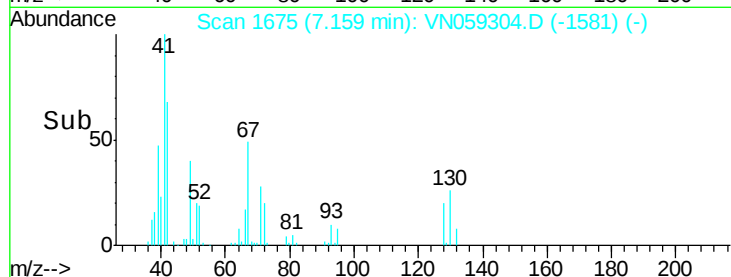
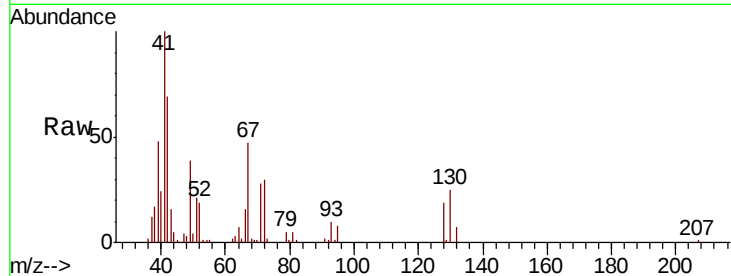
#41
Methacrylonitrile
Concen: 24.803 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

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

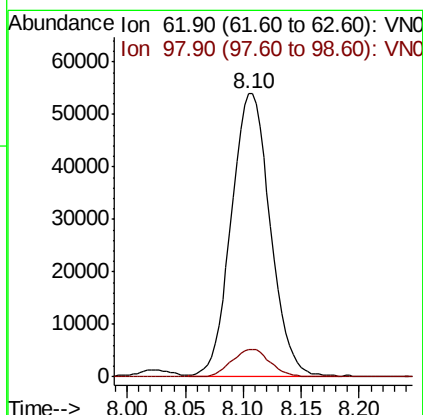
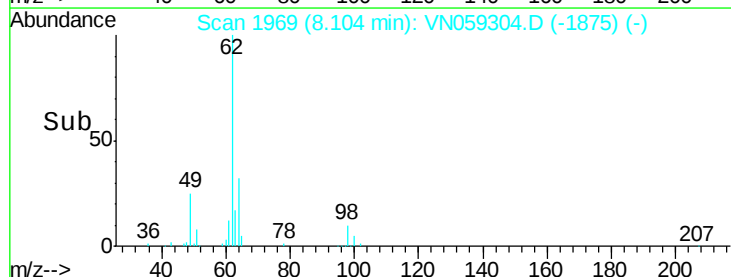
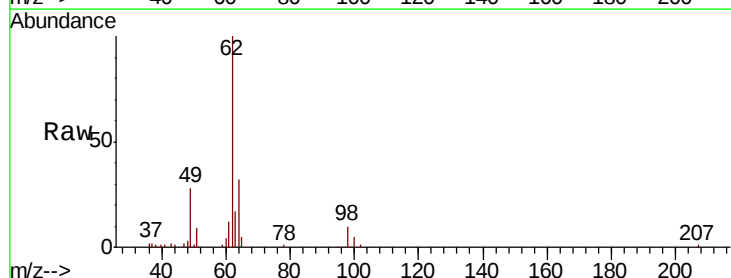
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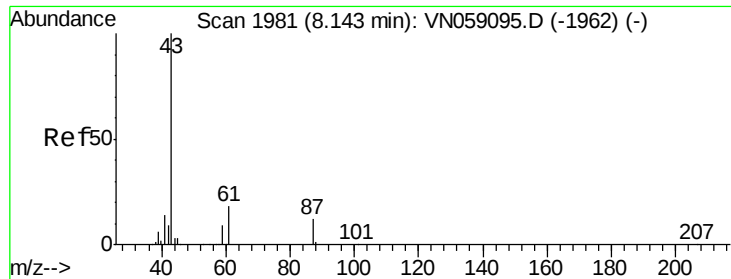
MMDadoda
11/20/2019 1:37:20 PM



#42
1,2-Dichloroethane
Concen: 23.324 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 22.235 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

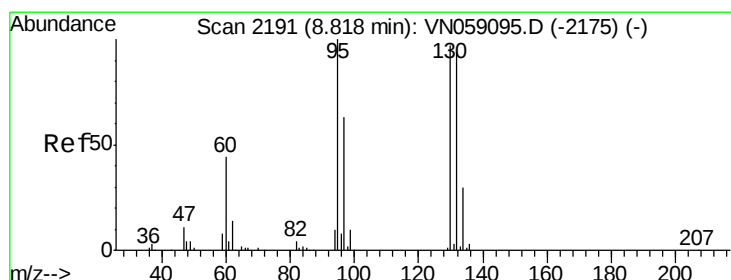
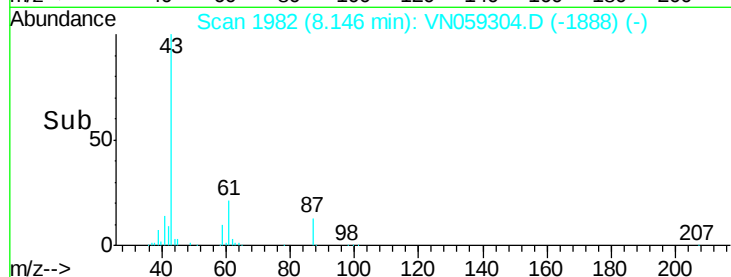
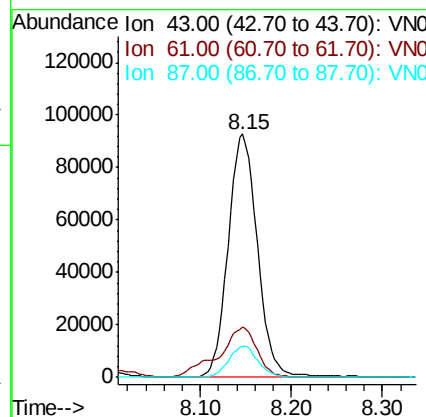
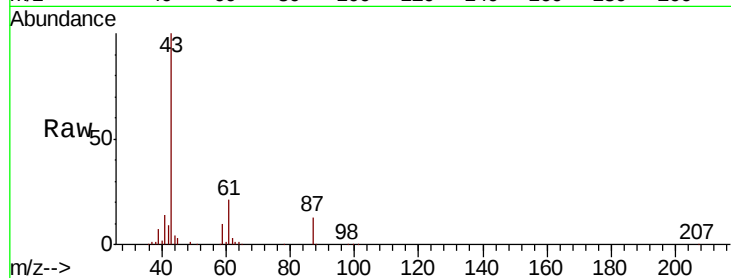
ClientSampleId :

VN1119MBS02

Tot Ion:	43	Resp:	205920
Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.0	31.6
87	12.9	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 24.297 ug/l

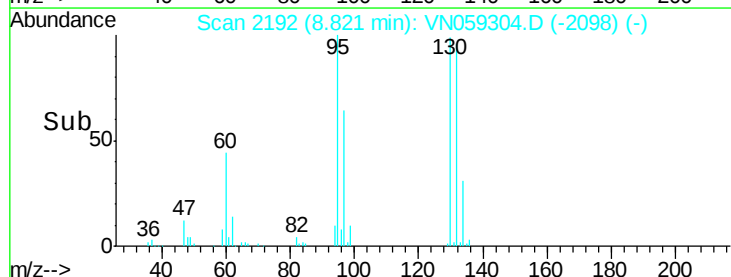
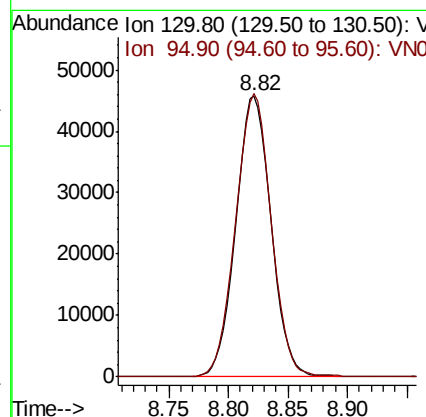
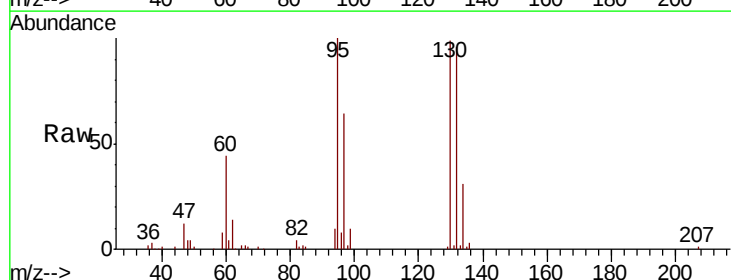
RT: 8.82 min Scan# 2192

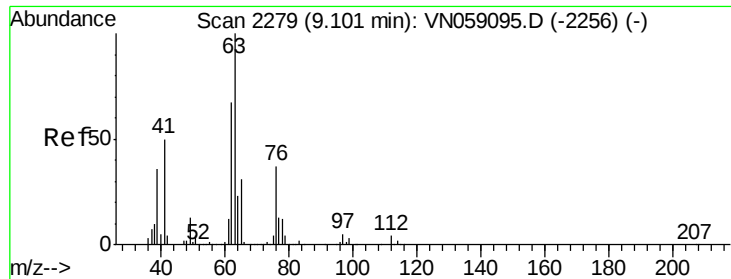
Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Tgt Ion:	130	Resp:	93916
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	206.4





#45

1,2-Dichloropropane

Concen: 23.361 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 63 Resp: 99776

Ion Ratio Lower Upper

63 100

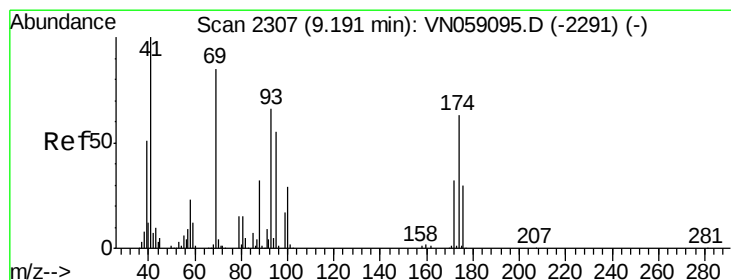
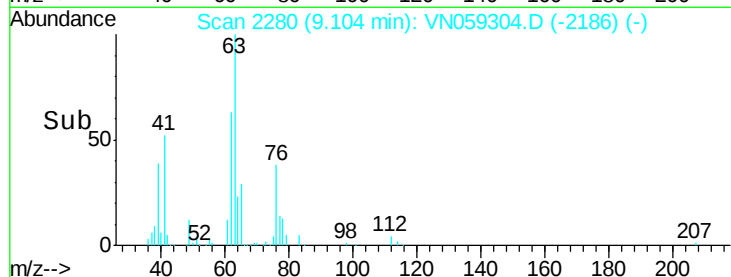
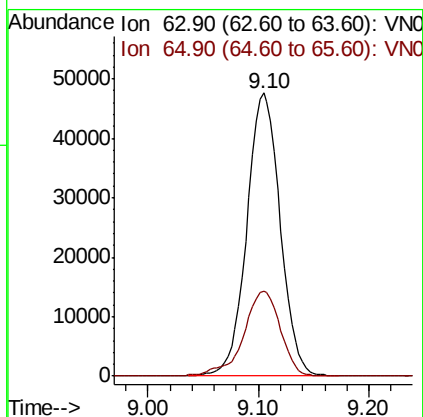
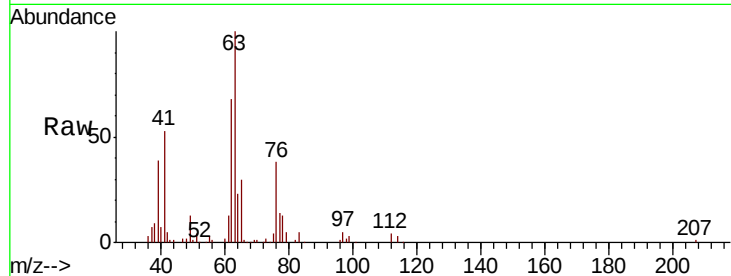
65 30.1 24.6 37.0

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#46

Dibromomethane

Concen: 22.412 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

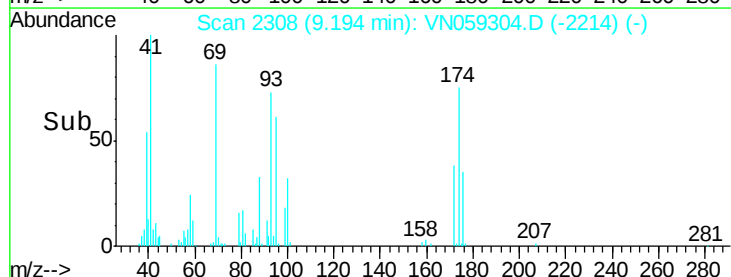
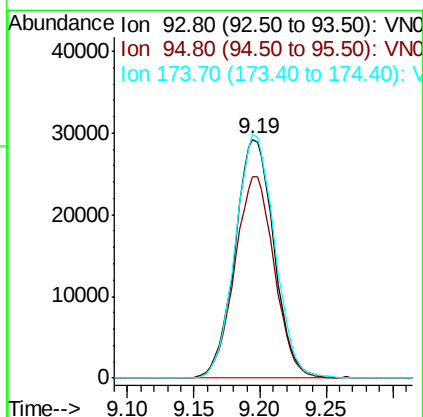
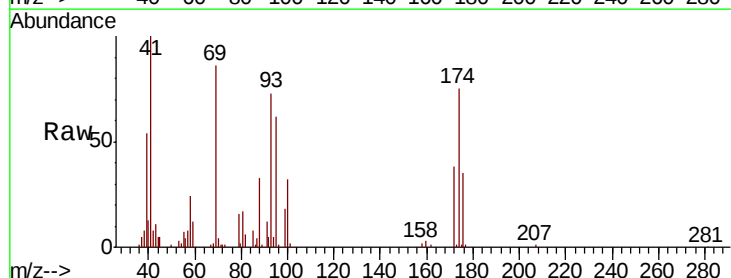
Tgt Ion: 93 Resp: 59649

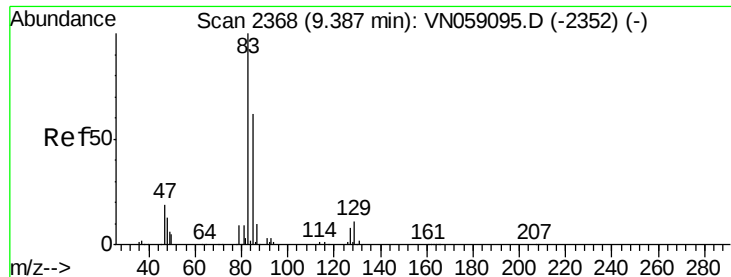
Ion Ratio Lower Upper

93 100

95 85.8 66.6 100.0

174 102.9 78.2 117.2





#47

Bromodichloromethane

Concen: 23.026 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

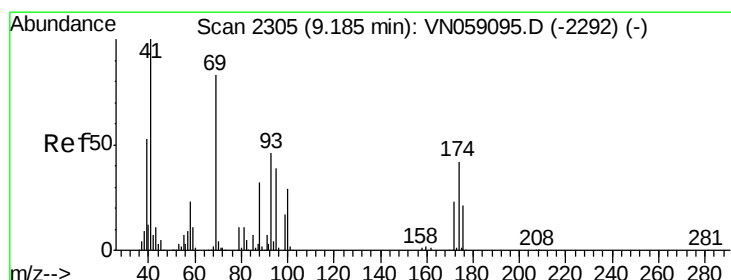
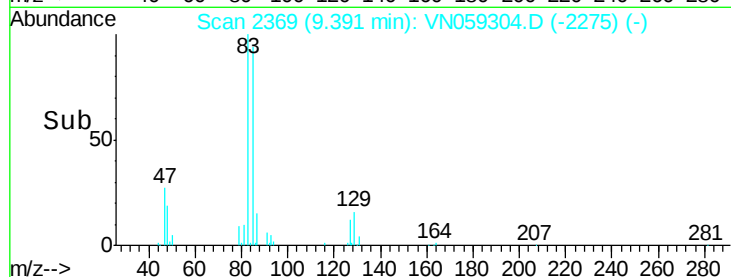
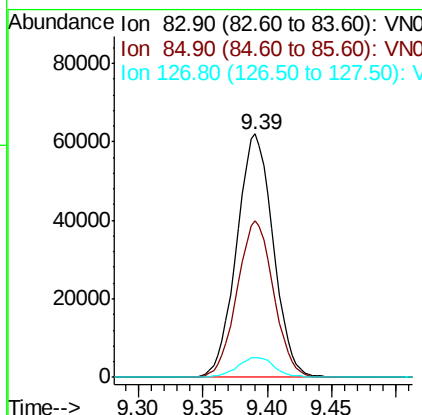
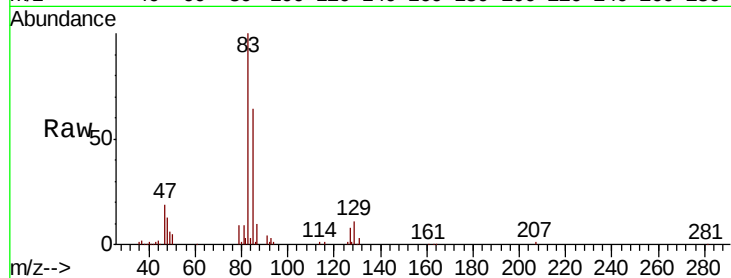
ClientSampleId :

VN1119MBS02

Tot Ion:	83	Resp:	122371
Ion Ratio	Lower	Upper	
83	100		
85	64.2	49.7	74.5
127	8.1	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.015 ug/l

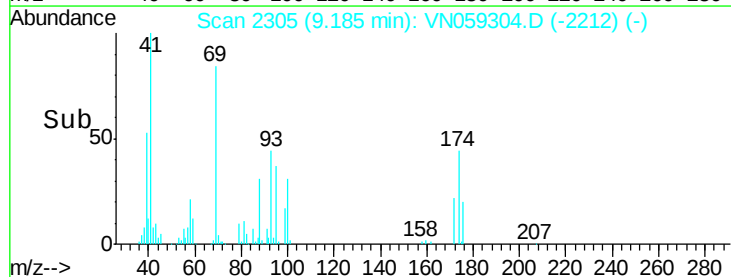
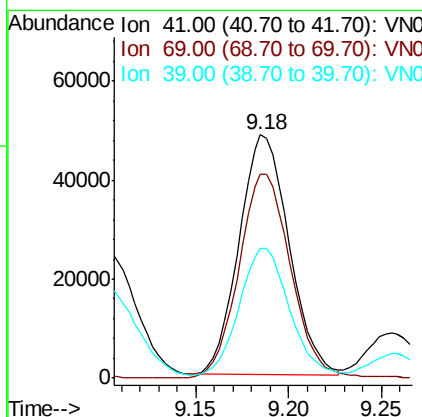
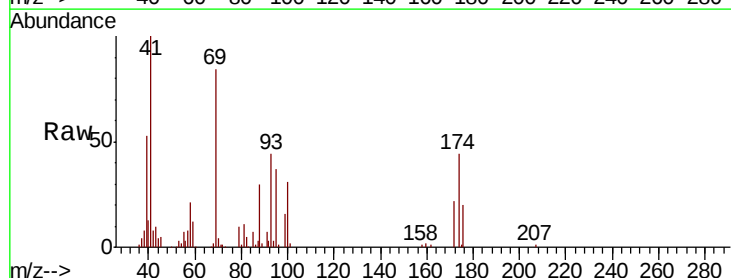
RT: 9.18 min Scan# 2305

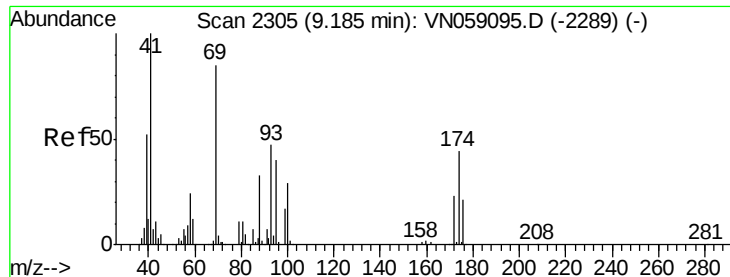
Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Tgt Ion:	41	Resp:	91198
Ion Ratio	Lower	Upper	
41	100		
69	87.8	67.3	100.9
39	54.9	43.3	64.9





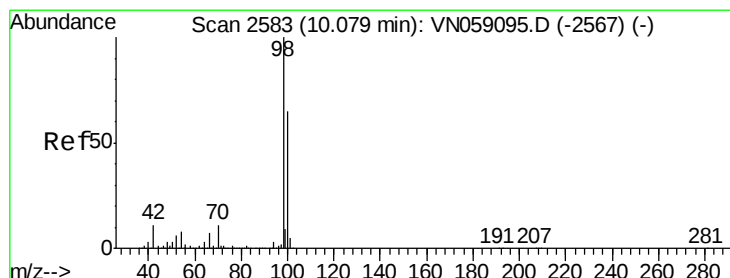
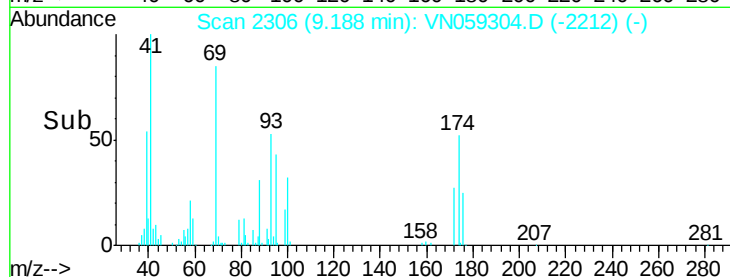
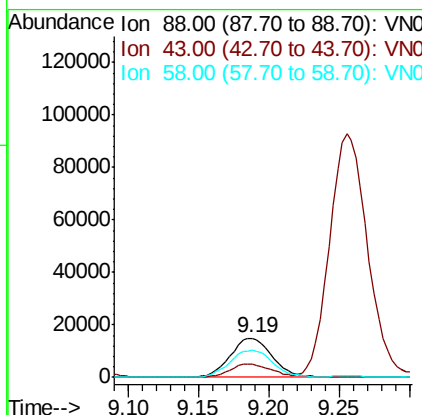
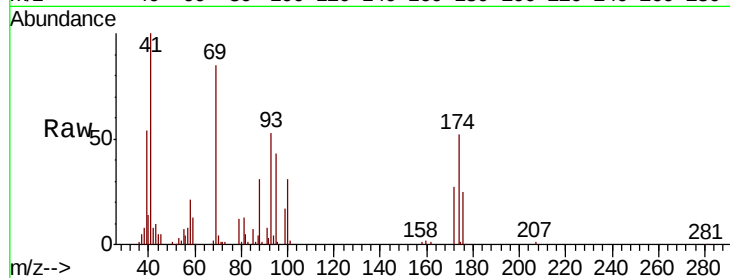
#49
1,4-Dioxane
Concen: 427.195 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.3	39.5
58	70.7	60.6	90.8

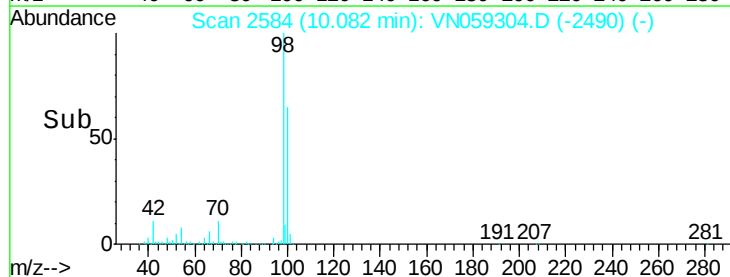
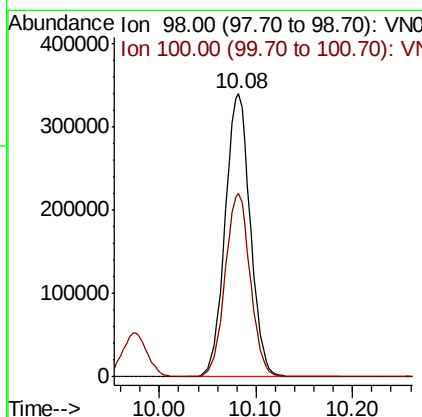
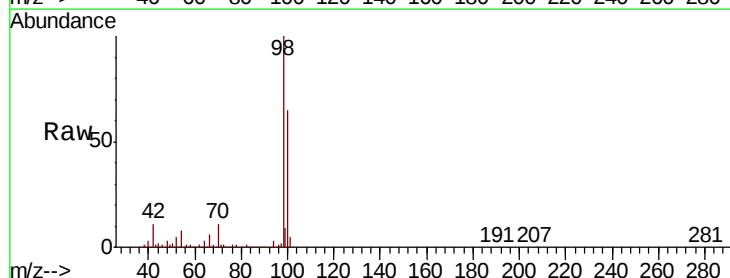
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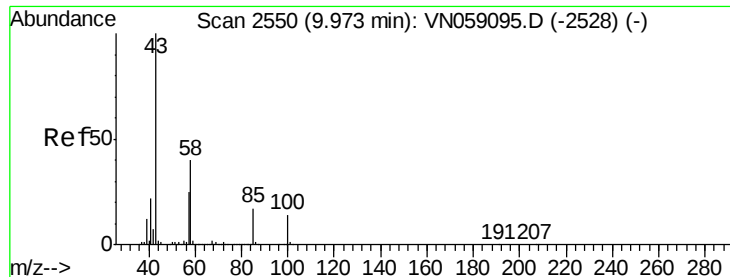
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#50
Toluene-d8
Concen: 46.518 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





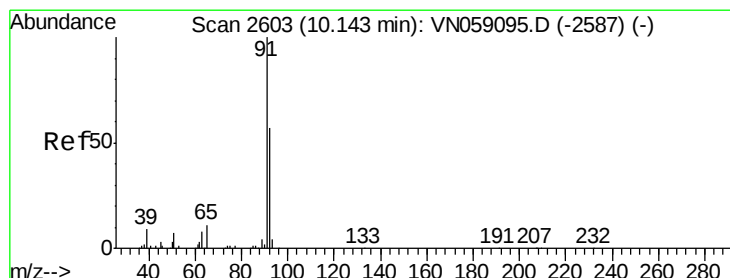
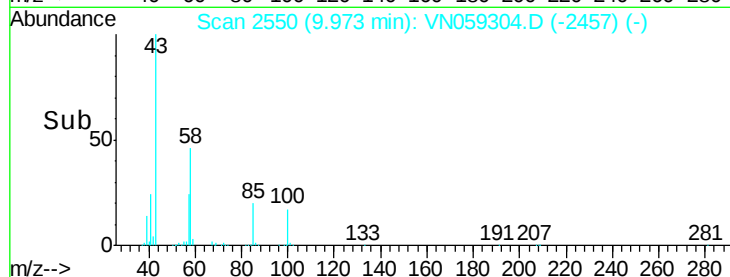
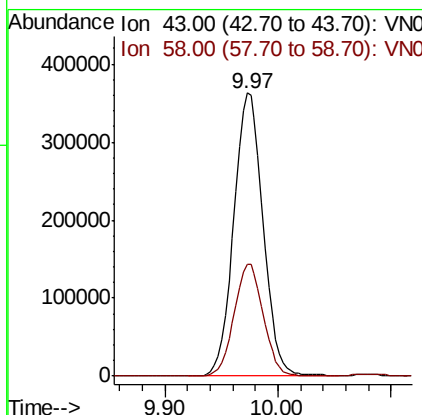
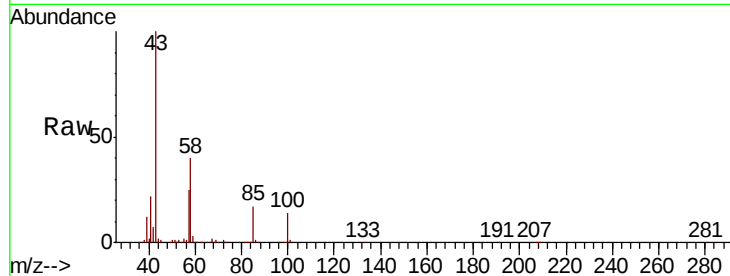
#51
4-Methyl-2-Pentanone
Concen: 124.795 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.5	47.3

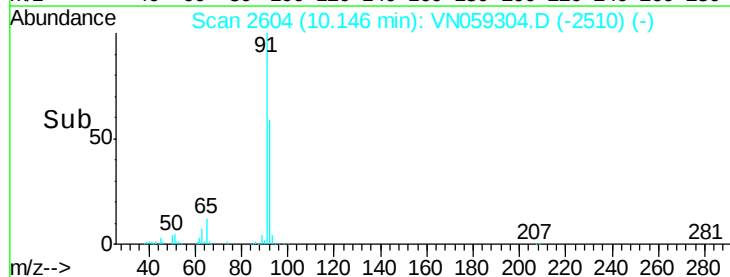
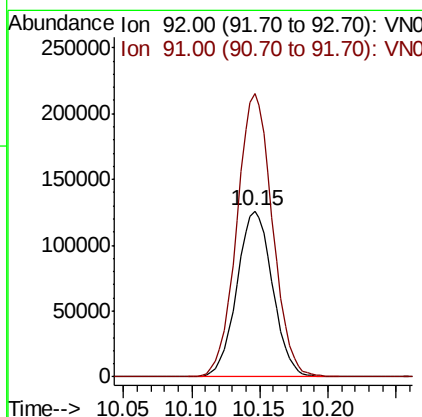
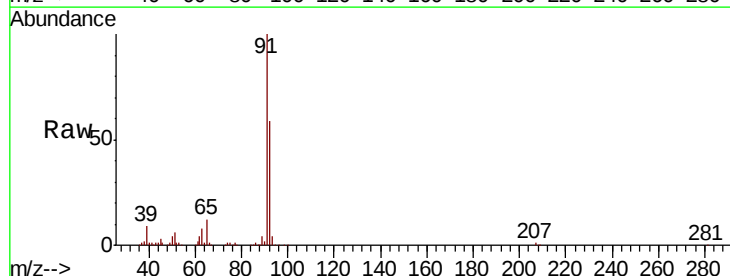
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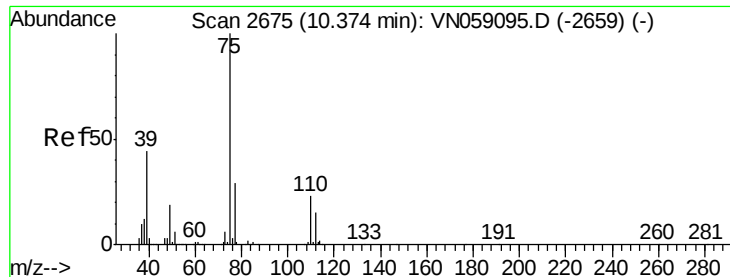
MMDadoda
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#52
Toluene
Concen: 24.242 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 22.770 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 75 Resp: 139808

Ion Ratio Lower Upper

75 100

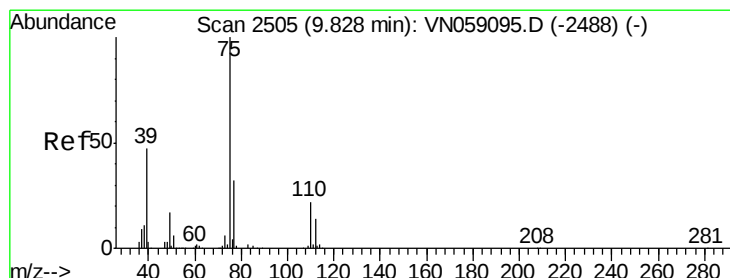
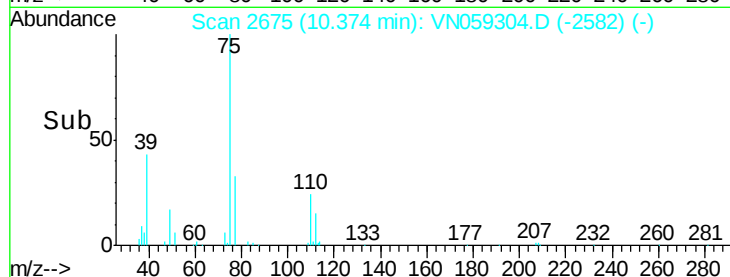
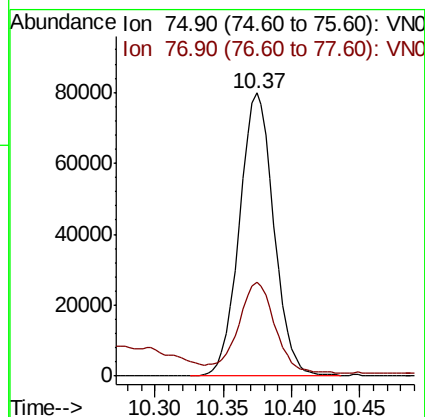
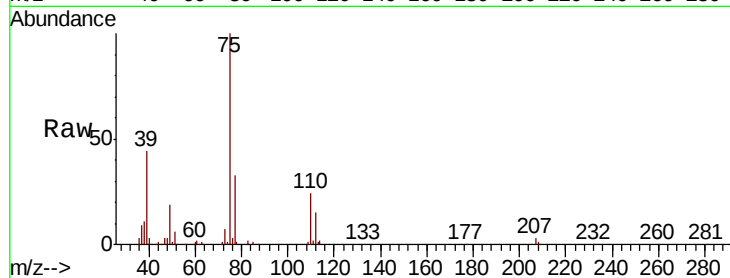
77 31.9 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 23.359 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

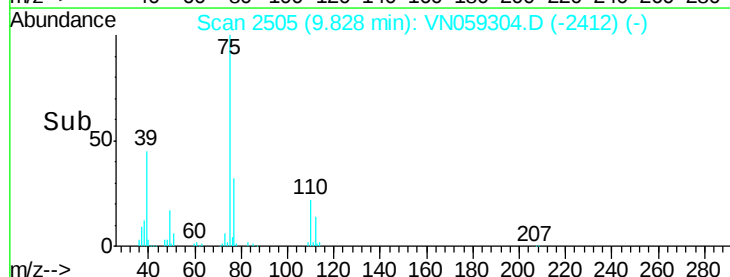
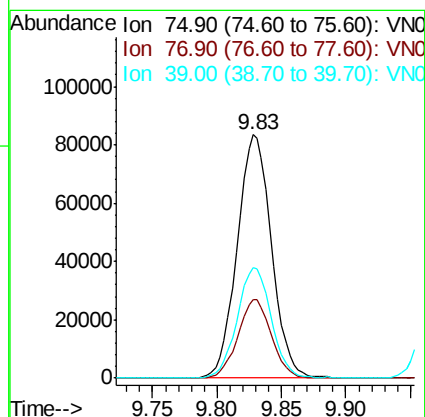
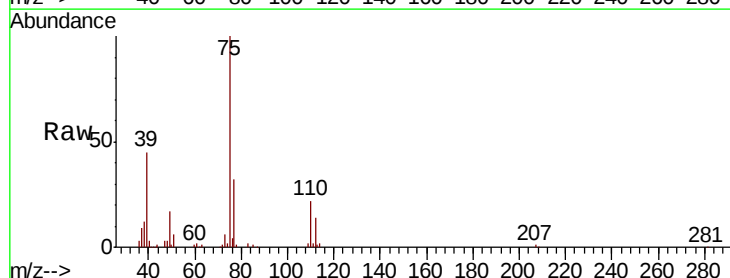
Tgt Ion: 75 Resp: 154278

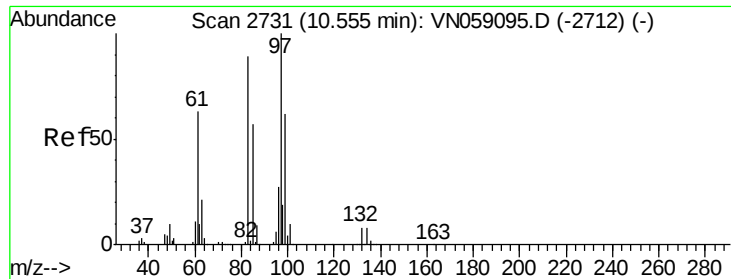
Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3

39 45.4 37.3 55.9





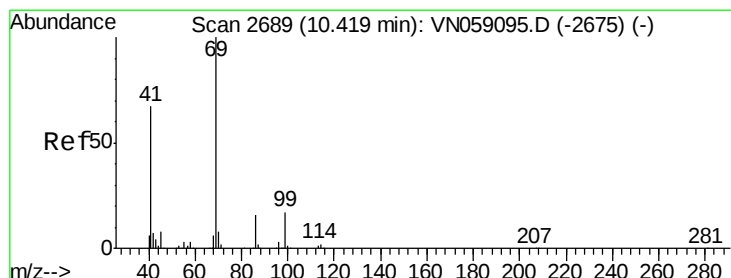
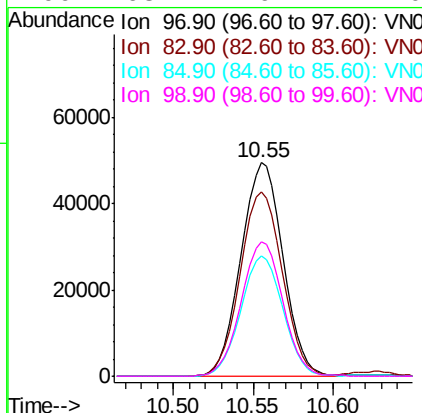
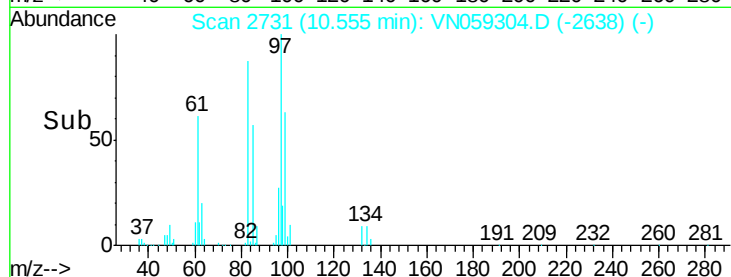
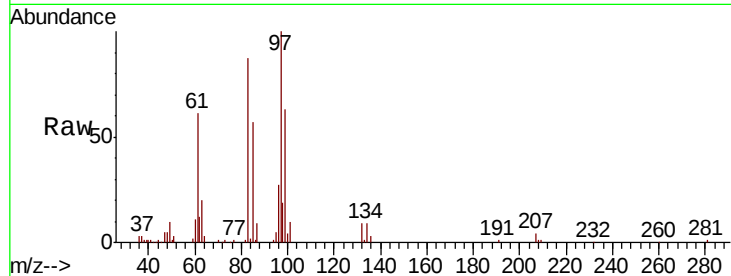
#55
 1,1,2-Trichloroethane
 Concen: 23.314 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Tot Ion:	97	Resp:	88927
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.0	106.4
85	56.5	45.8	68.8
99	63.1	49.4	74.0

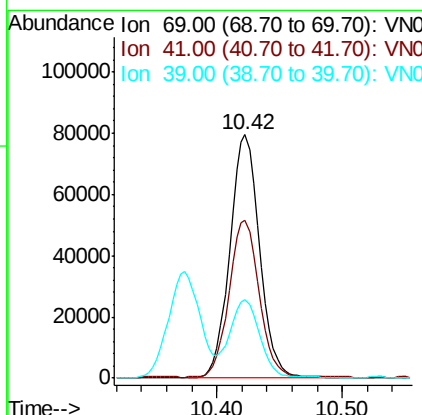
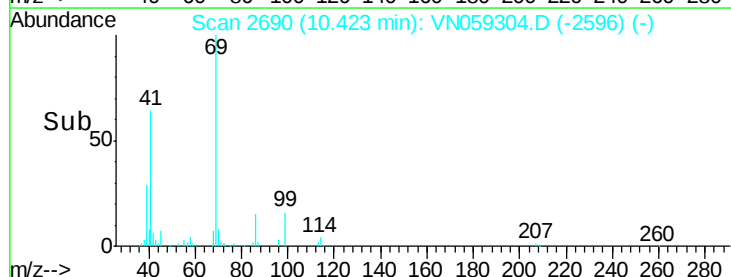
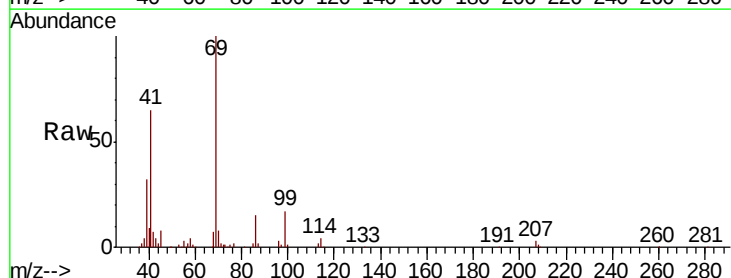
Manual Integrations
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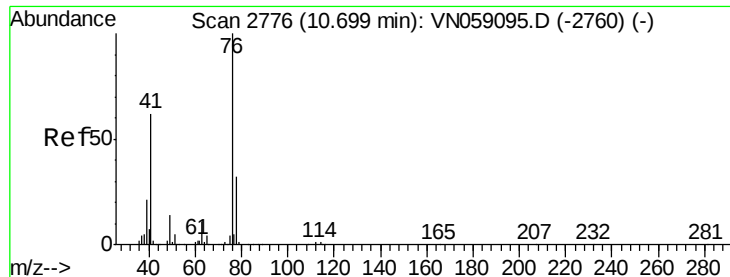
MMDadoda
 11/20/2019 1:37:20 PM



#56
 Ethyl methacrylate
 Concen: 21.651 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion:	69	Resp:	130718
Ion	Ratio	Lower	Upper
69	100		
41	64.8	53.6	80.4
39	32.2	26.2	39.4





#57

1,3-Dichloropropane

Concen: 23.331 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 76 Resp: 153163

Ion Ratio Lower Upper

76 100

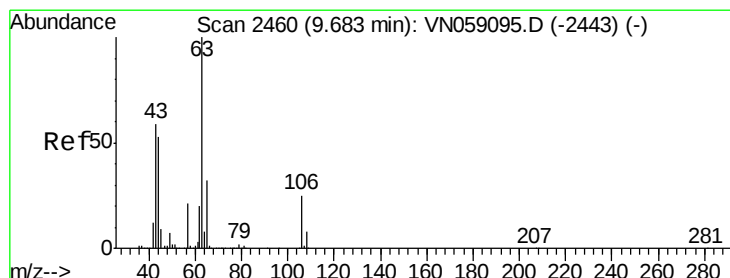
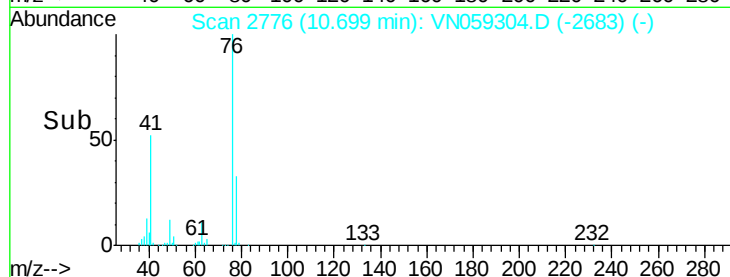
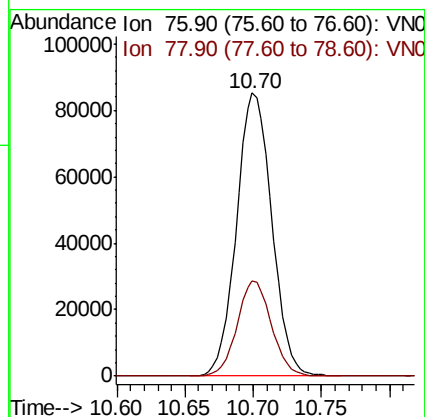
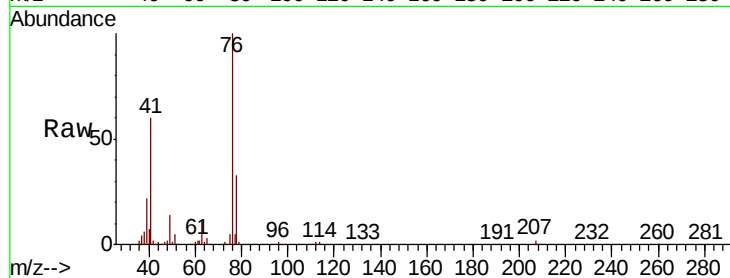
78 32.6 25.8 38.8

Manual Integrations

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11/20/2019 1:37:20 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.523 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059304.D

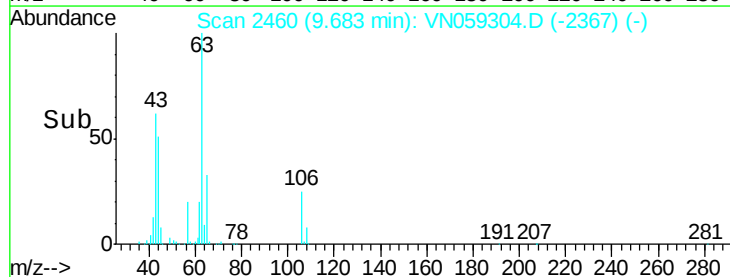
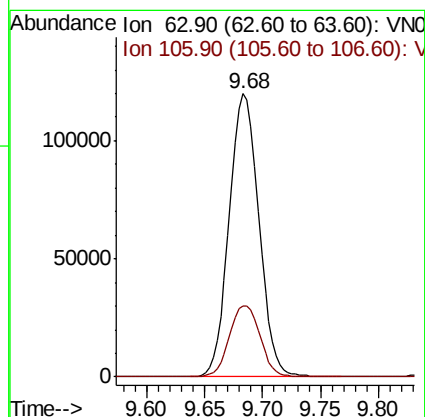
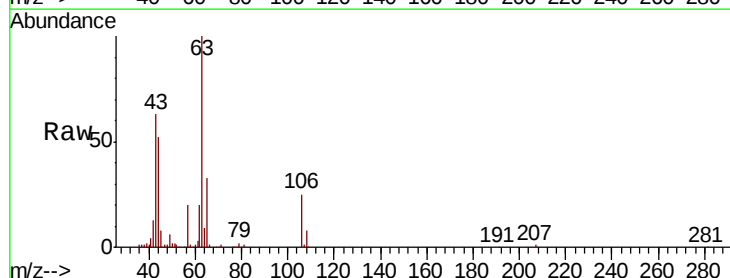
Acq: 19 Nov 2019 13:51

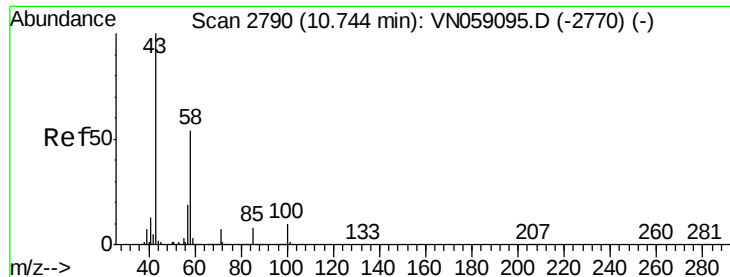
Tgt Ion: 63 Resp: 213386

Ion Ratio Lower Upper

63 100

106 25.9 20.2 30.2





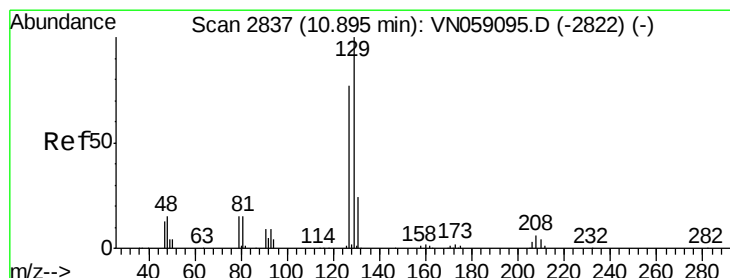
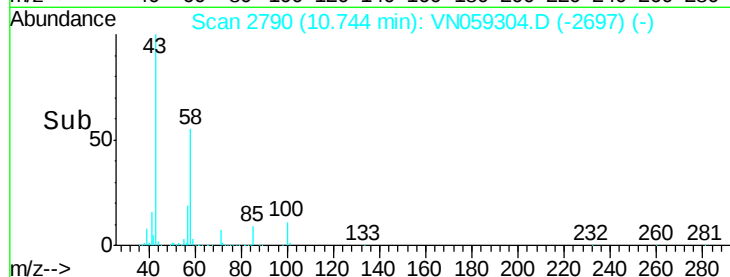
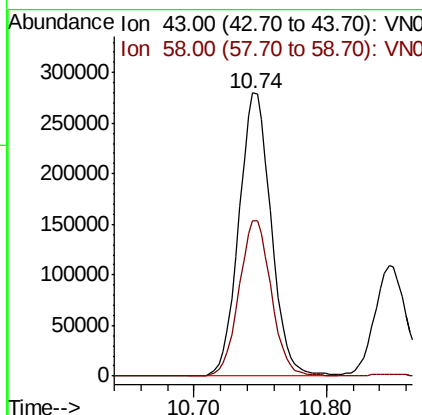
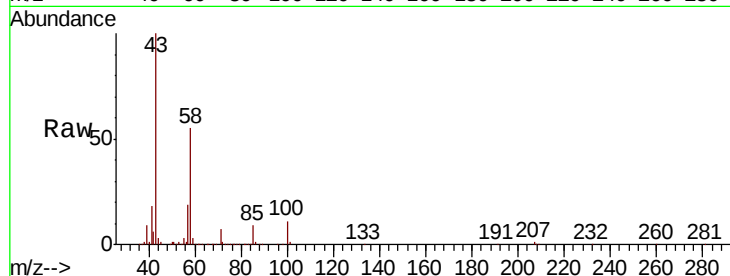
#59
2-Hexanone
Concen: 117.243 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion: 43 Resp: 471560
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8

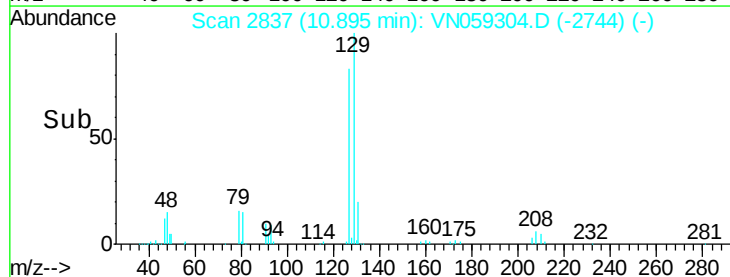
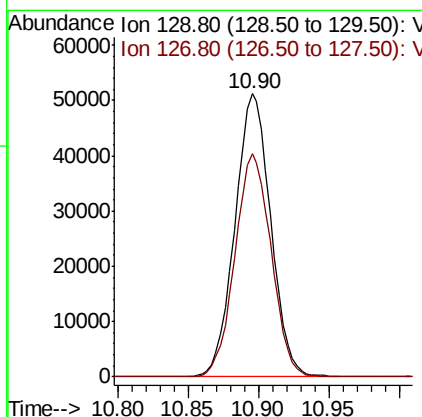
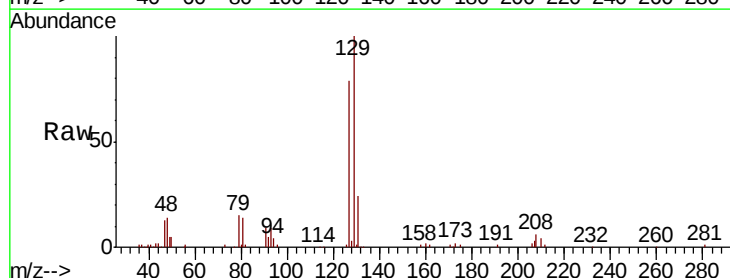
Manual Integrations
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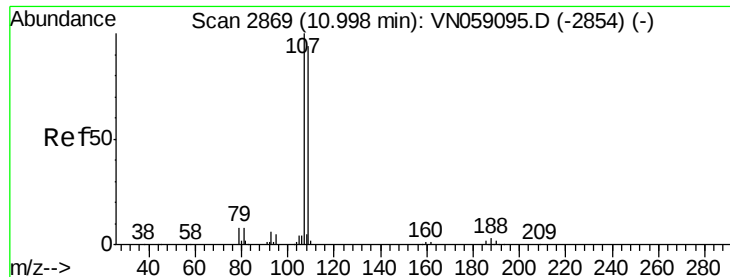
MMDadoda
11/20/2019 1:37:20 PM



#60
Dibromochloromethane
Concen: 22.555 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion: 129 Resp: 90959
Ion Ratio Lower Upper
129 100
127 79.7 38.6 115.8





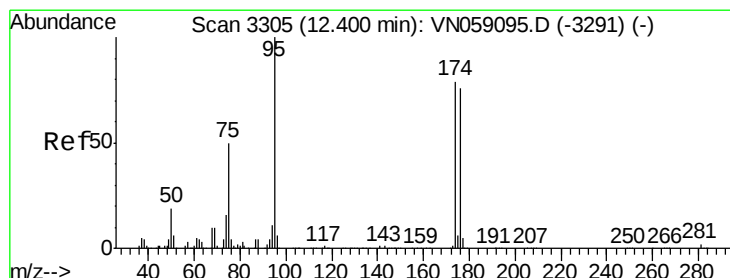
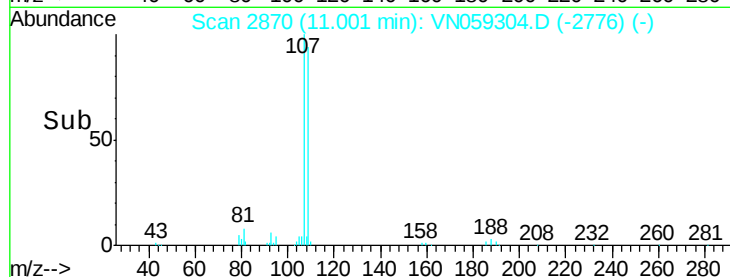
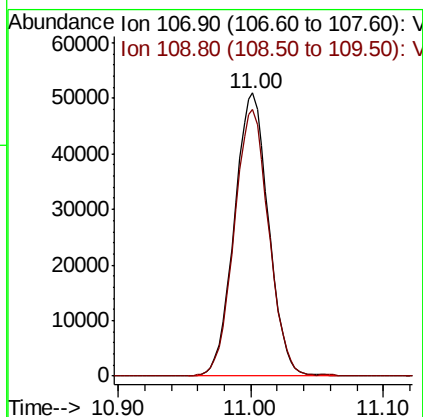
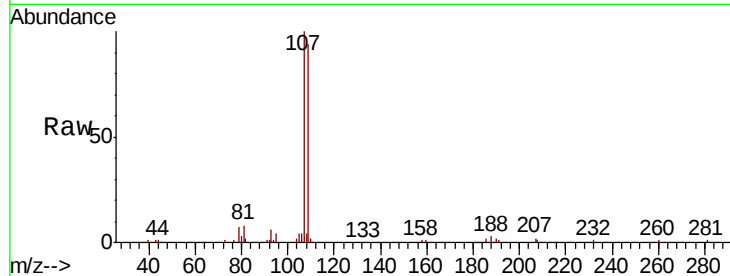
#61
 1,2-Dibromoethane
 Concen: 23.633 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.5	113.3

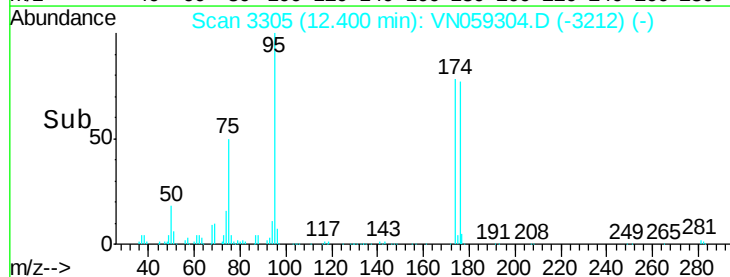
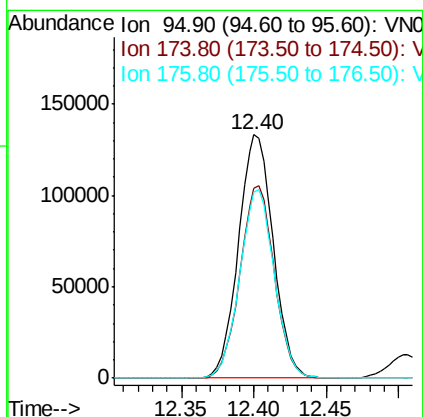
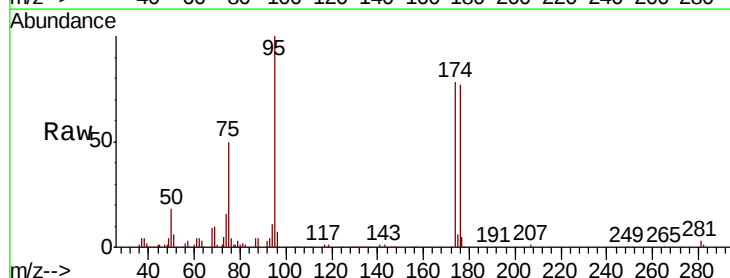
Manual Integrations
 APPROVED

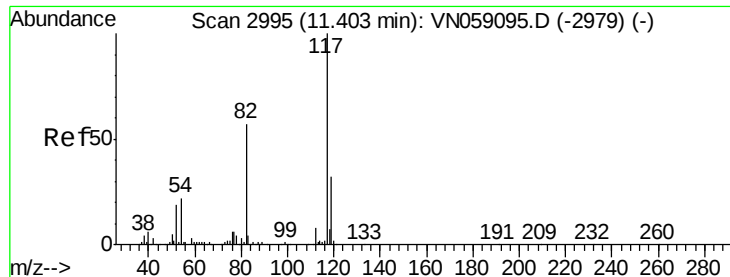
MMDadoda
 11/20/2019 1:37:20 PM



#62
 4-Bromofluorobenzene
 Concen: 46.868 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	158.2
176	77.0	0.0	151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

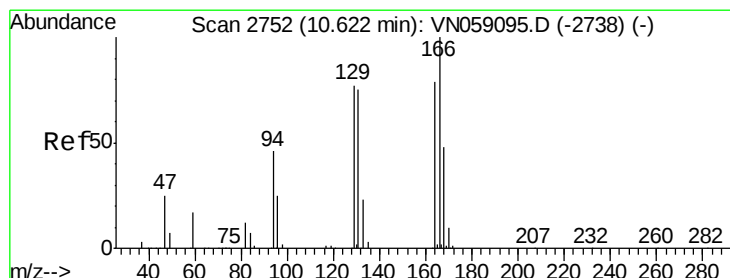
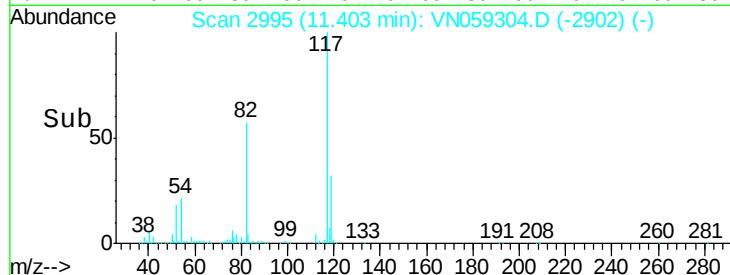
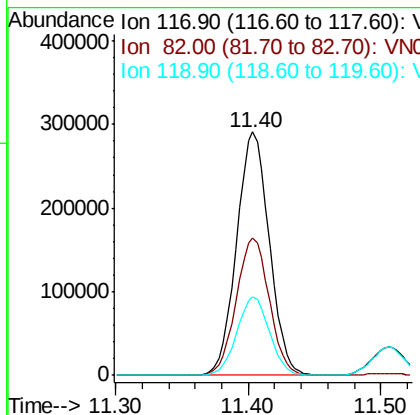
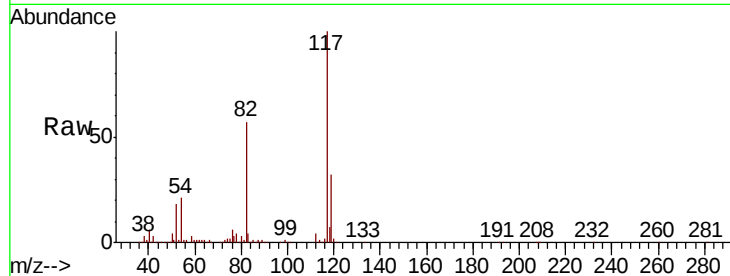
ClientSampleId :

VN1119MBS02

Tot Ion:	117	Resp:	498072
Ion Ratio	Lower	Upper	
117	100		
82	56.6	45.8	68.8
119	32.1	25.8	38.6

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



#64

Tetrachloroethene

Concen: 24.083 ug/l

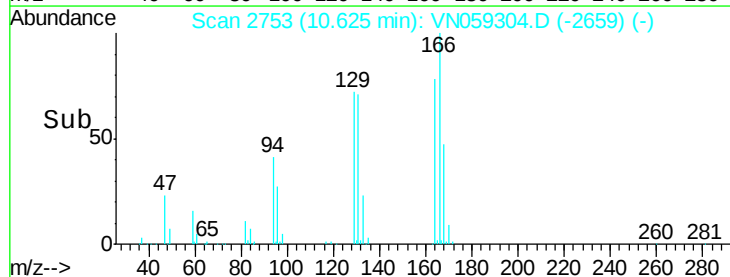
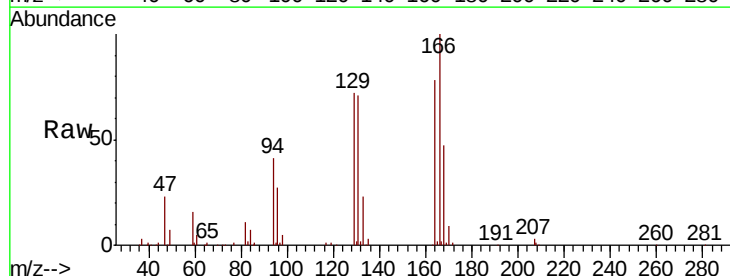
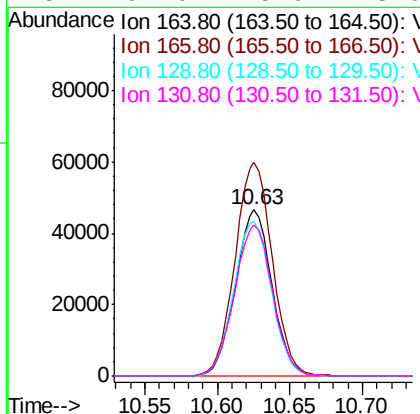
RT: 10.63 min Scan# 2753

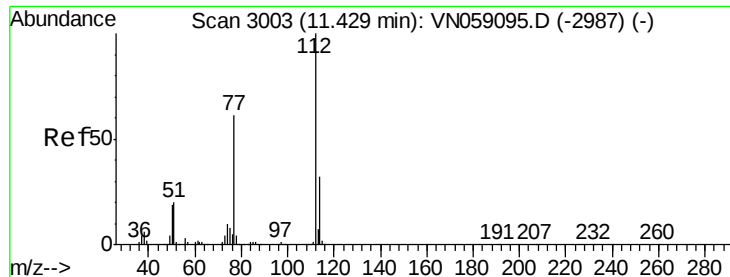
Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Tgt Ion:	164	Resp:	81565
Ion Ratio	Lower	Upper	
164	100		
166	128.7	101.5	152.3
129	93.1	78.3	117.5
131	91.0	75.9	113.9





#65

Chlorobenzene

Concen: 24.265 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion:112 Resp: 235599

Ion Ratio Lower Upper

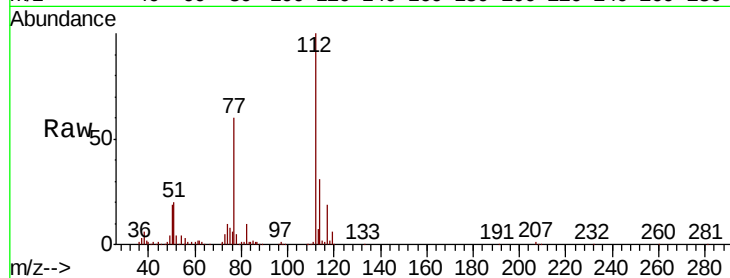
112 100

114 31.4 25.2 37.8

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

Ion 113.90 (113.60 to 114.60): V

11.43

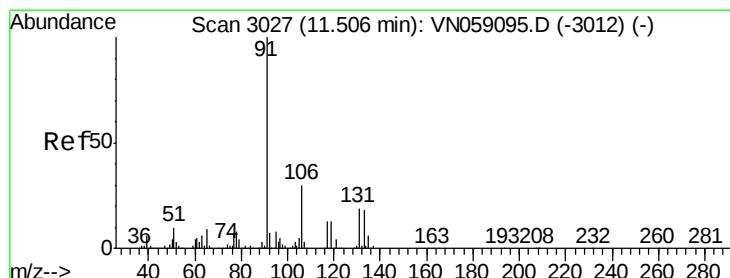
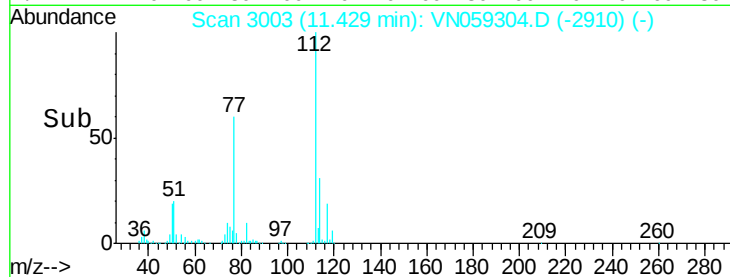
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.662 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

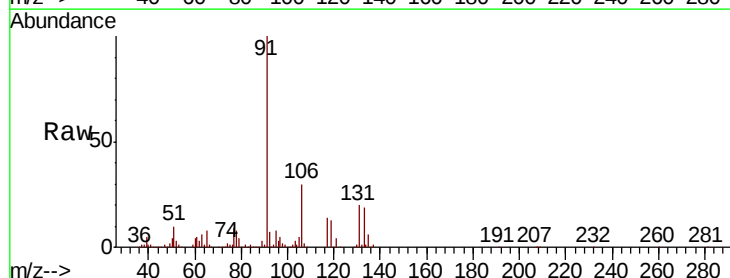
Tgt Ion:131 Resp: 86183

Ion Ratio Lower Upper

131 100

133 95.3 47.4 142.3

119 67.8 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

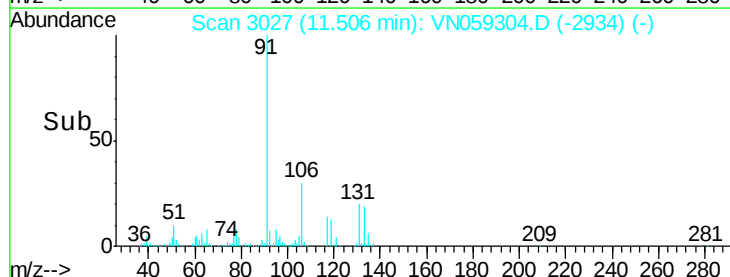
60000

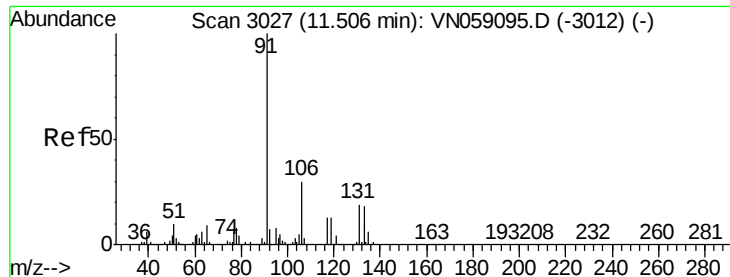
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 24.760 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion: 91 Resp: 426539

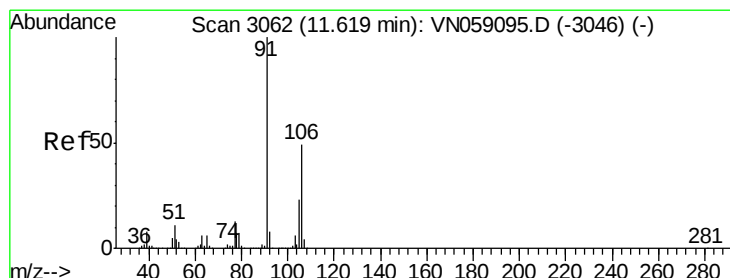
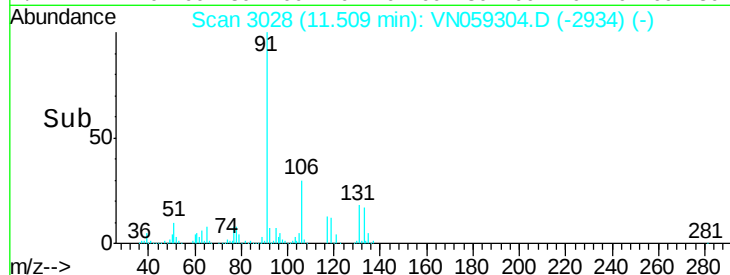
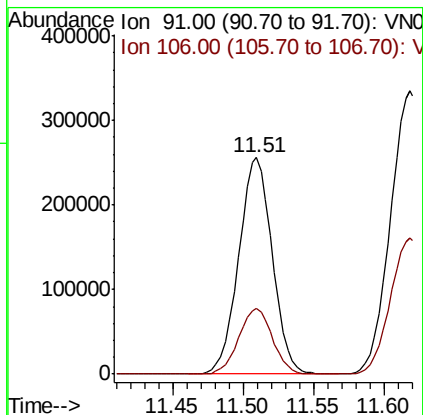
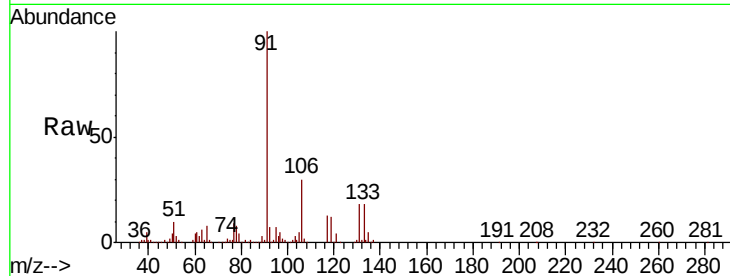
Ion Ratio Lower Upper

91 100

106 30.3 24.1 36.1

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 48.727 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059304.D

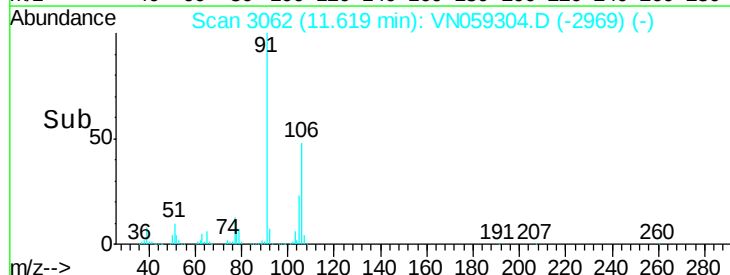
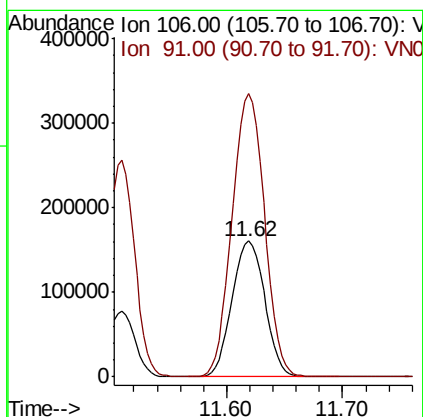
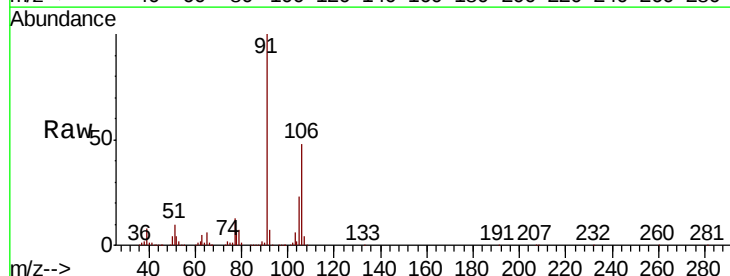
Acq: 19 Nov 2019 13:51

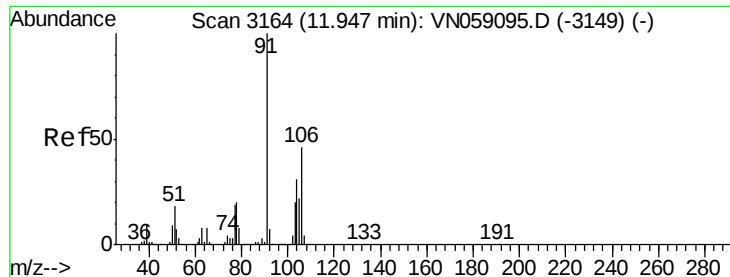
Tgt Ion: 106 Resp: 314429

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1





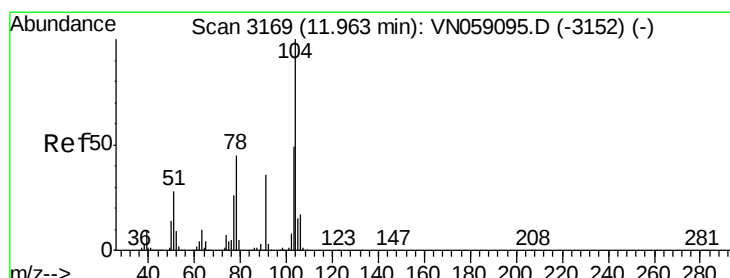
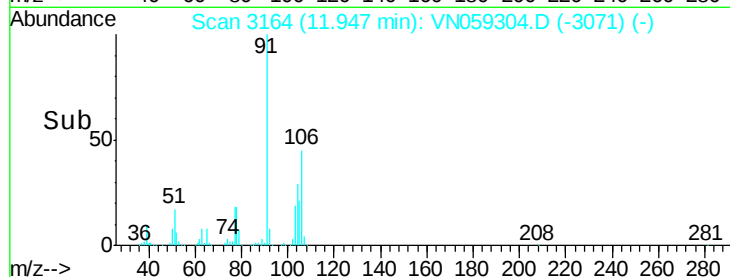
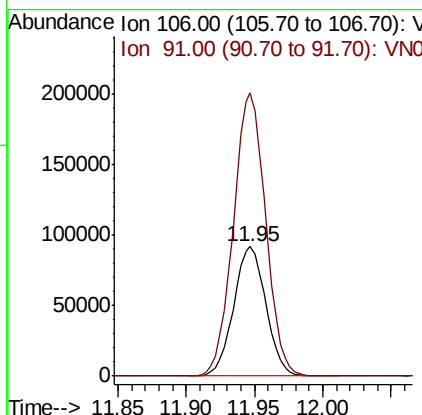
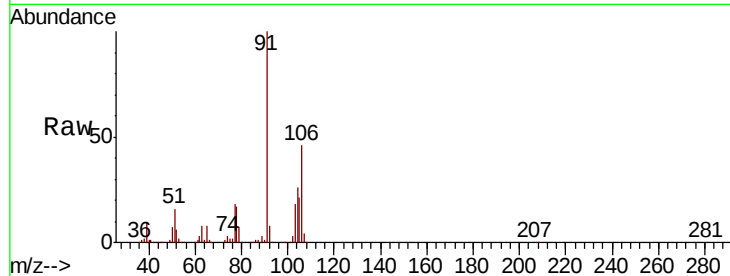
#69
o-Xylene
Concen: 24.181 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	150793		
91	91	218.5		110.1	330.3

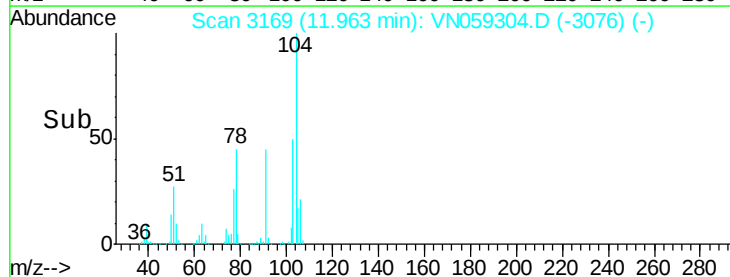
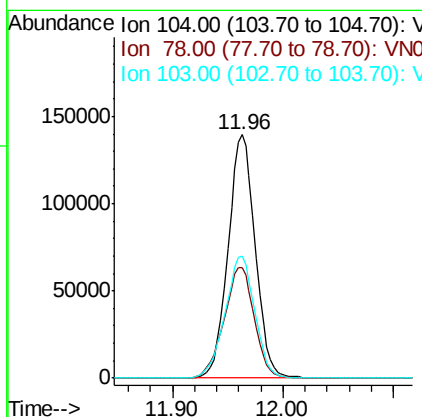
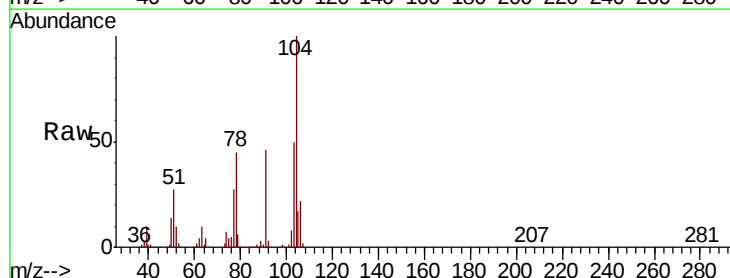
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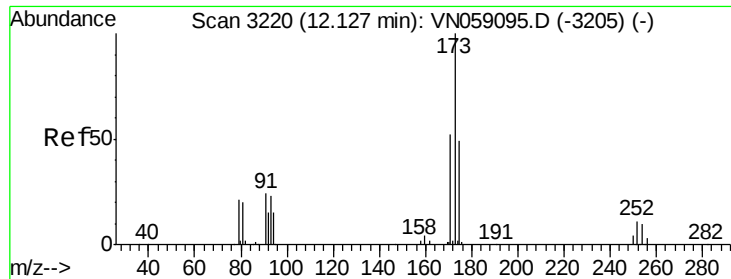
MMDadoda
11/20/2019 1:37:20 PM



#70
Styrene
Concen: 24.280 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	238132		
78	78	50.8		41.2	61.8
103	103	54.8		43.8	65.6





#71

Bromoform

Concen: 22.840 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN1119MBS02

Tot Ion:173 Resp: 64708

Ion Ratio Lower Upper

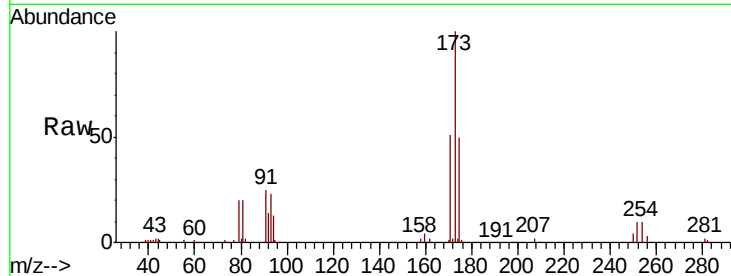
173 100

175 49.8 24.2 72.6

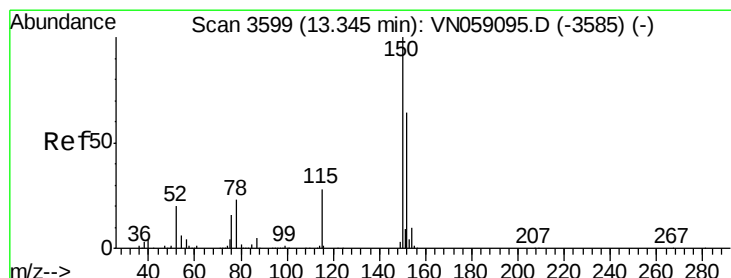
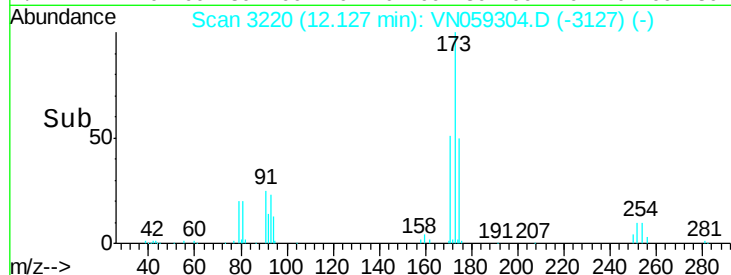
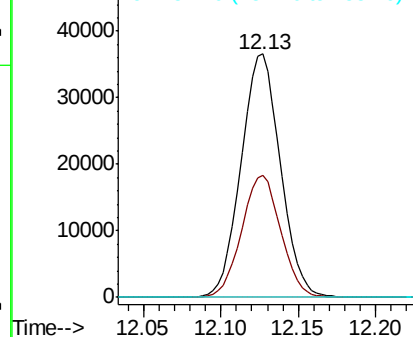
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

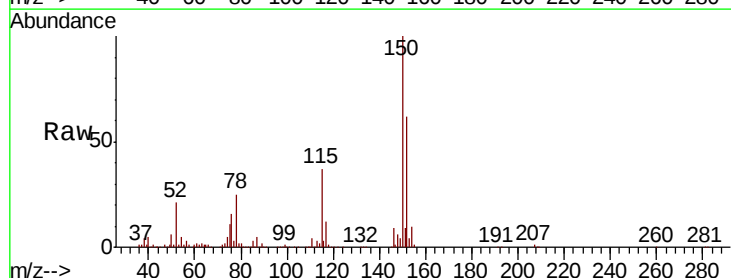
Tgt Ion:152 Resp: 225424

Ion Ratio Lower Upper

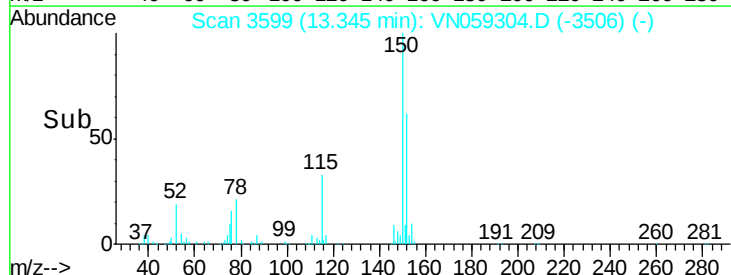
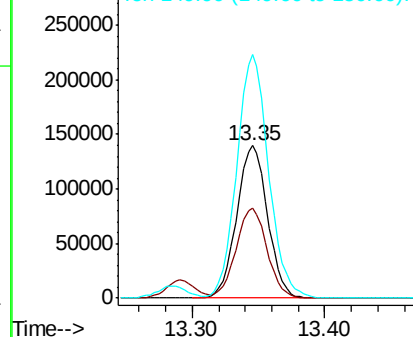
152 100

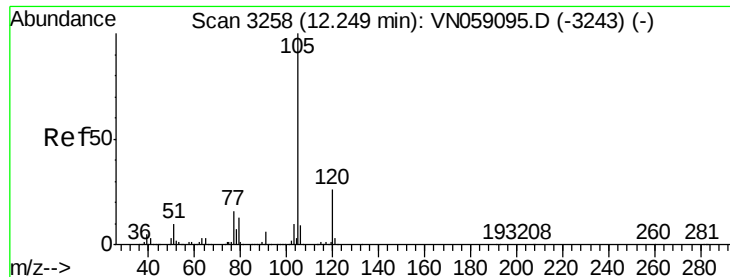
115 59.0 29.4 88.2

150 164.9 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





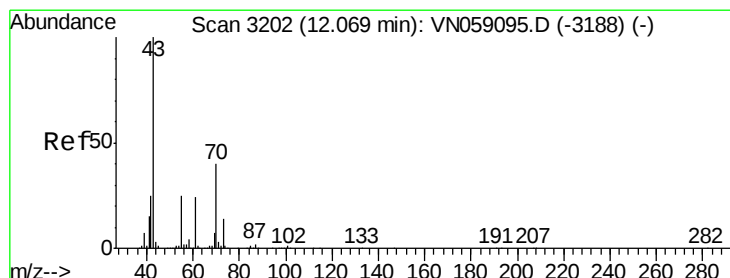
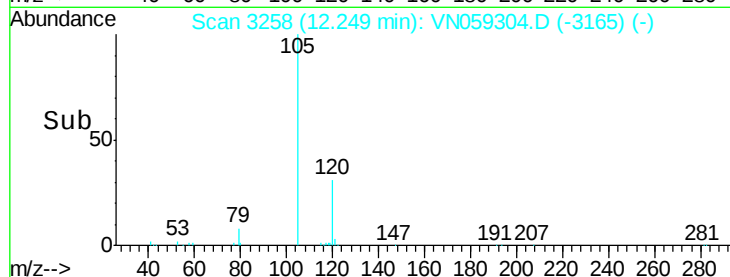
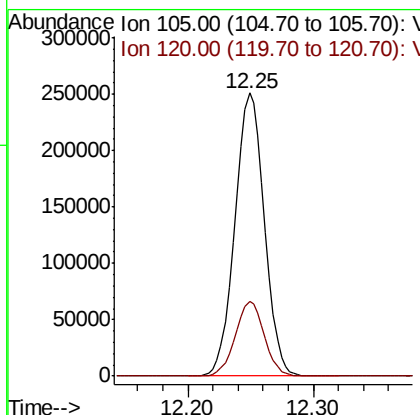
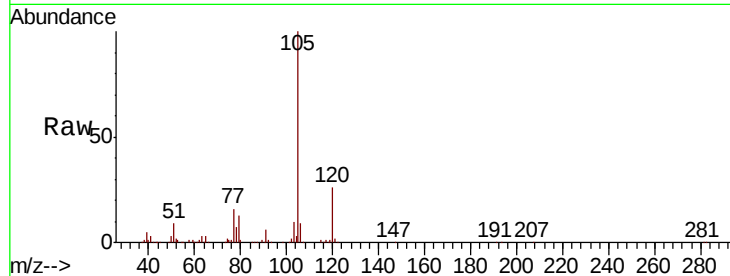
#73
Isopropylbenzene
Concen: 24.864 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

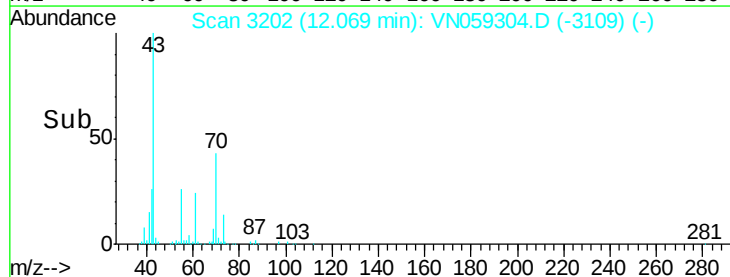
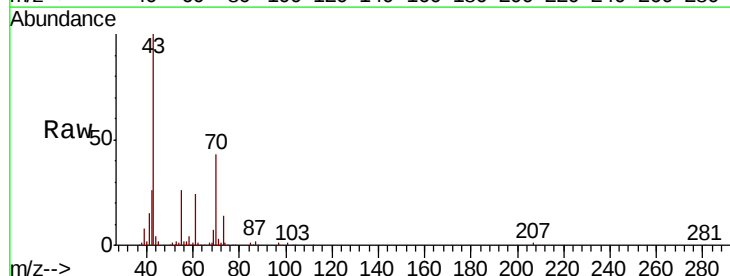
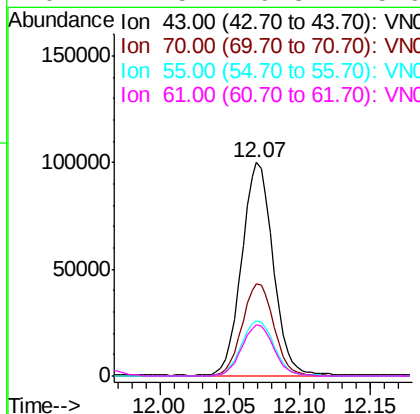
Manual Integrations
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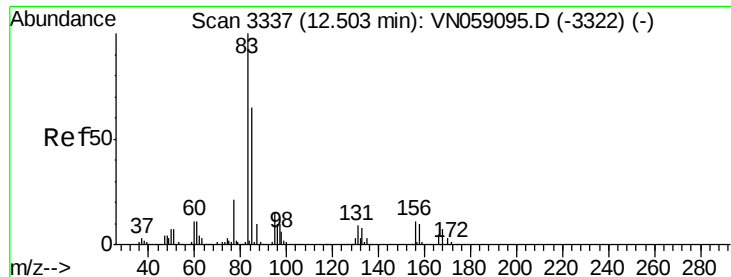
MMDadoda
11/20/2019 1:37:20 PM



#74
N-ethyl acetate
Concen: 22.434 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	32.2	48.4
55	27.2	20.4	30.6
61	24.5	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 24.117 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

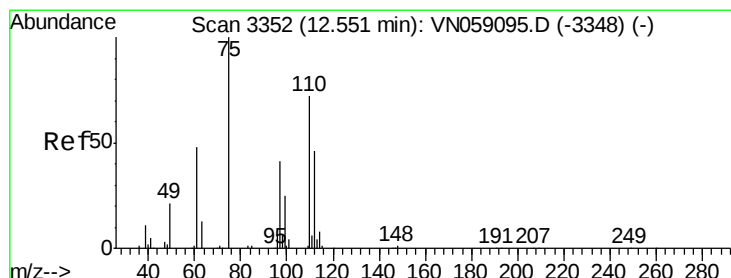
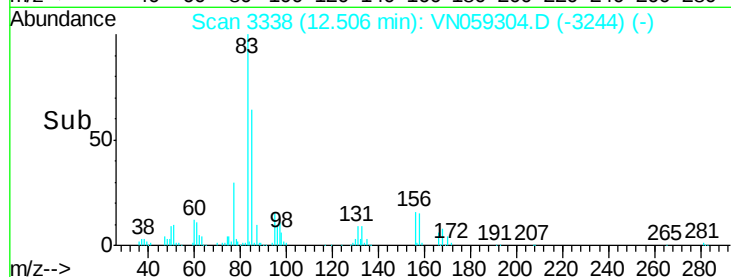
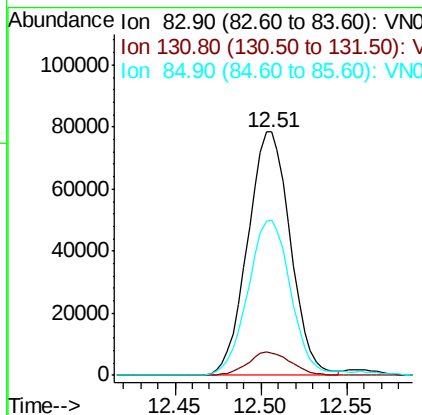
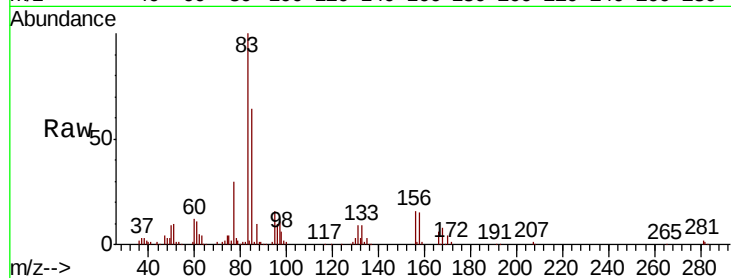
ClientSampleId :

VN1119MBS02

Tot Ion:	83	Resp:	134674
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.3	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.223 ug/l m

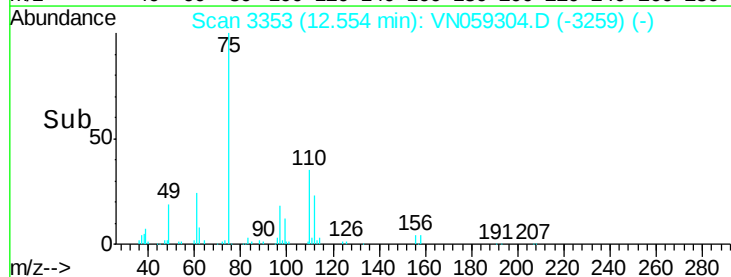
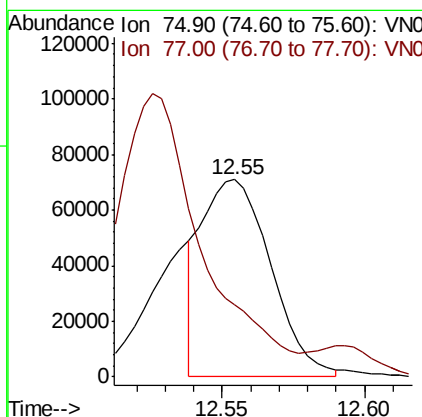
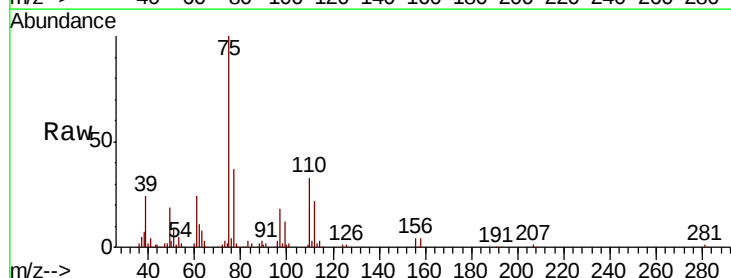
RT: 12.55 min Scan# 3353

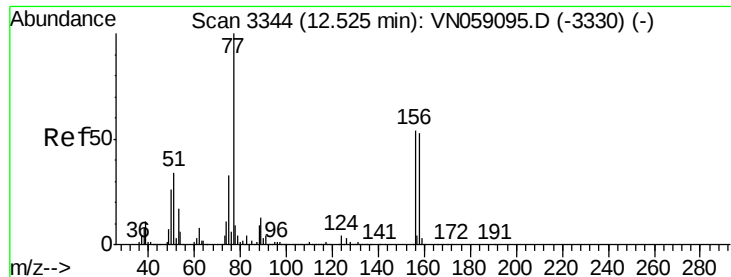
Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Tgt Ion:	75	Resp:	119183
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.641 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059304.D

Acq: 19 Nov 2019 13:51

Instrument :

MSVOA_N

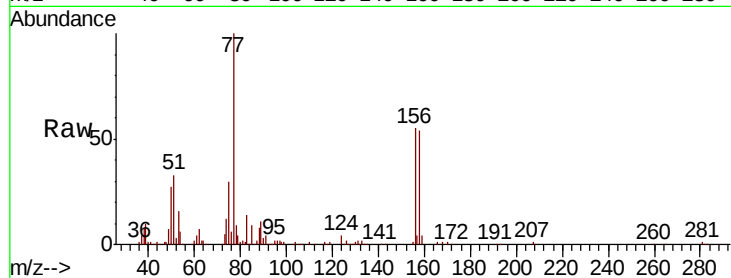
ClientSampleId :

VN1119MBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.1	112.8	338.3
158	96.7	48.4	145.3

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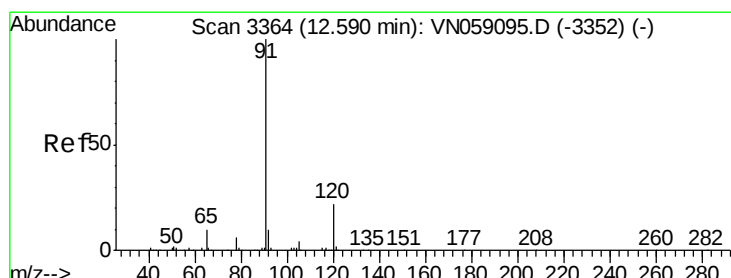
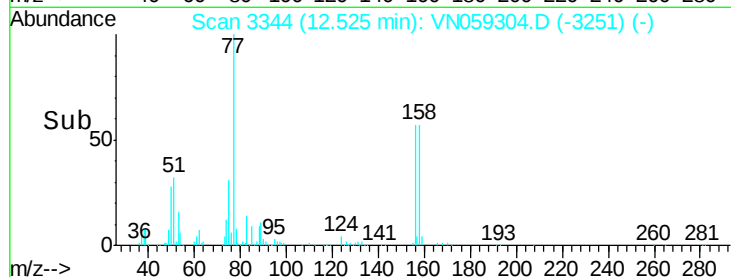
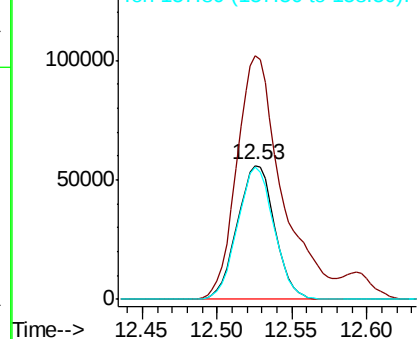
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.622 ug/l

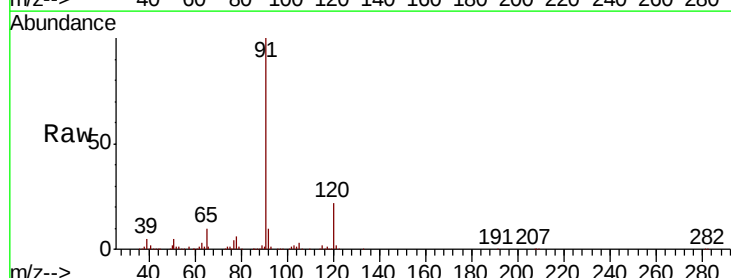
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059304.D

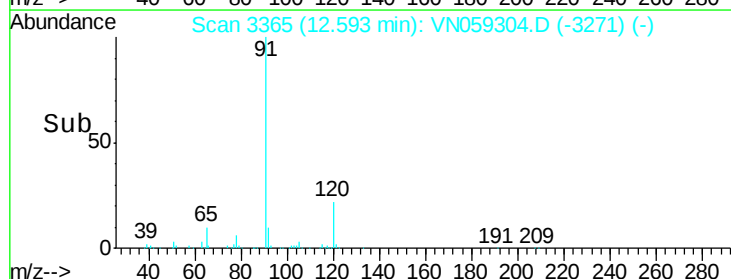
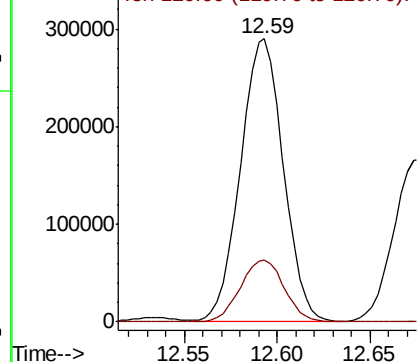
Acq: 19 Nov 2019 13:51

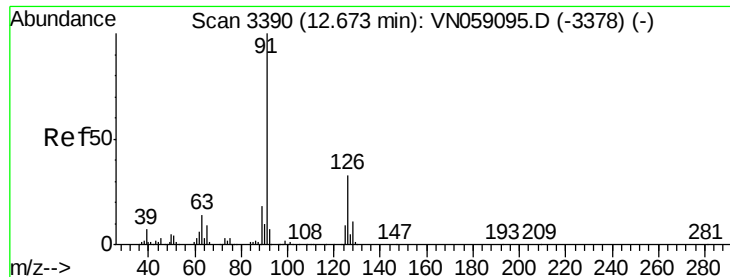
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





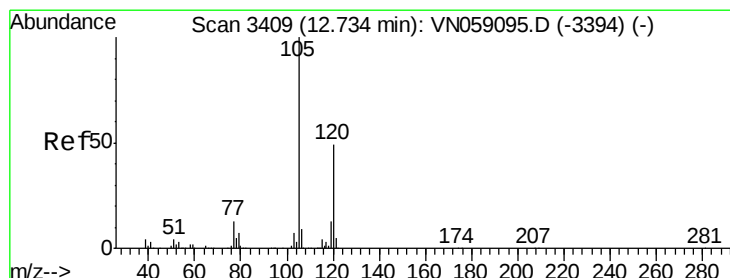
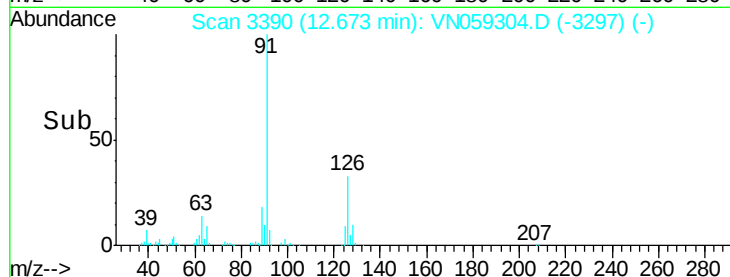
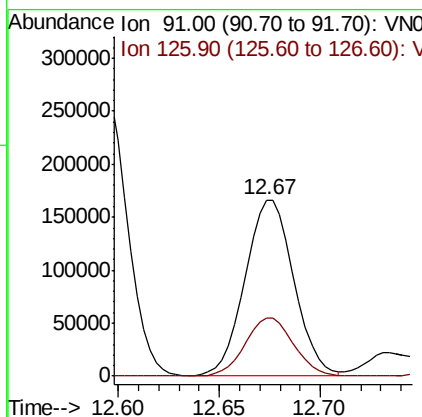
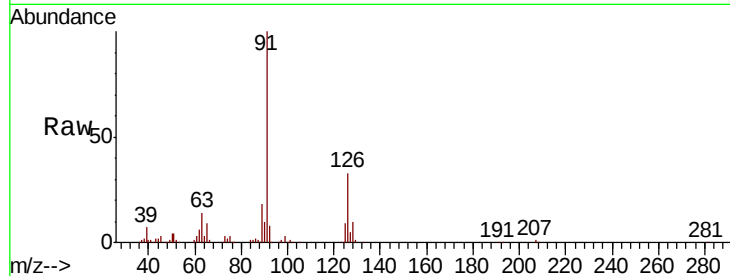
#79
 2-Chlorotoluene
 Concen: 23.946 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Tot Ion: 91 Resp: 278903
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.7 50.1

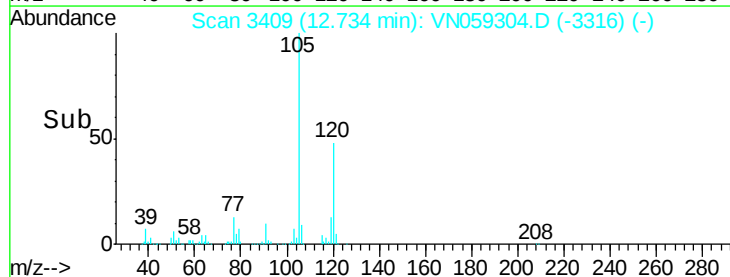
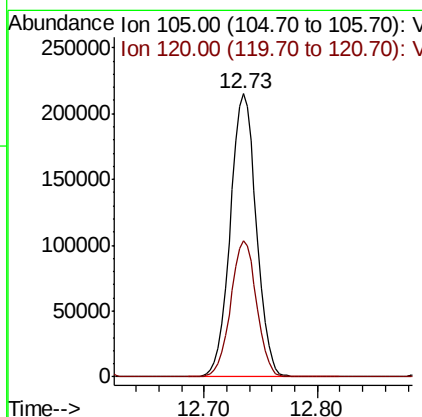
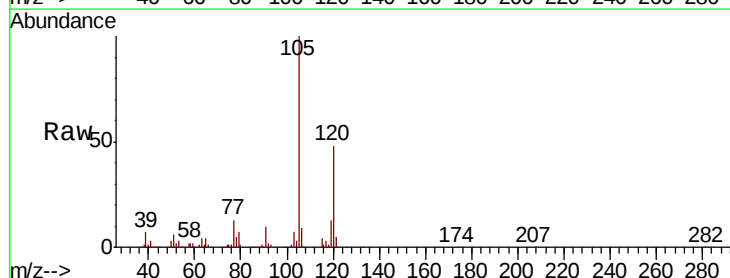
Manual Integrations
 APPROVED

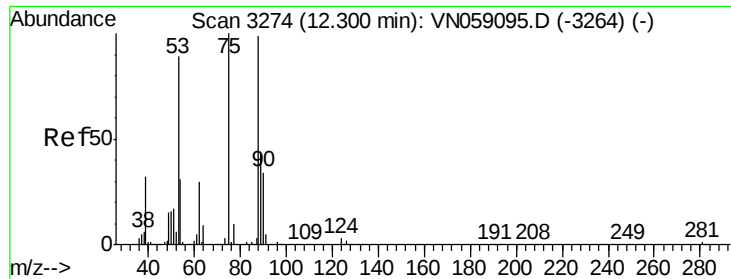
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.749 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion: 105 Resp: 343870
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.0 72.0





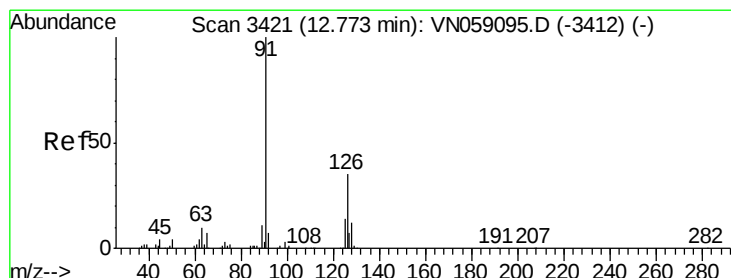
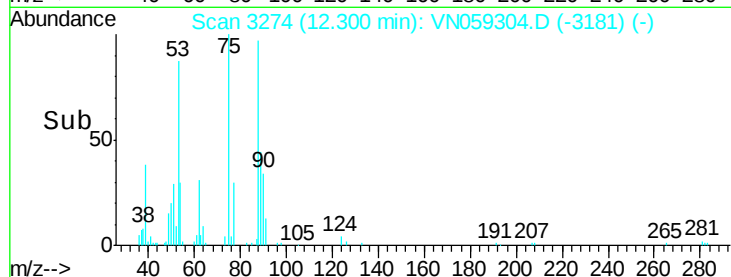
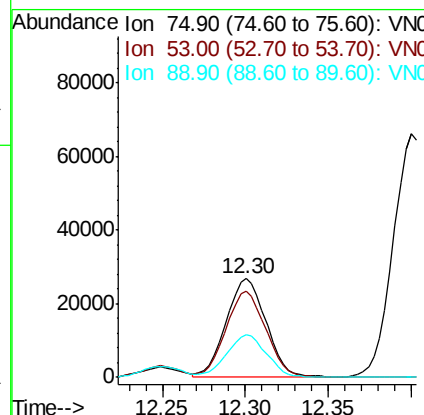
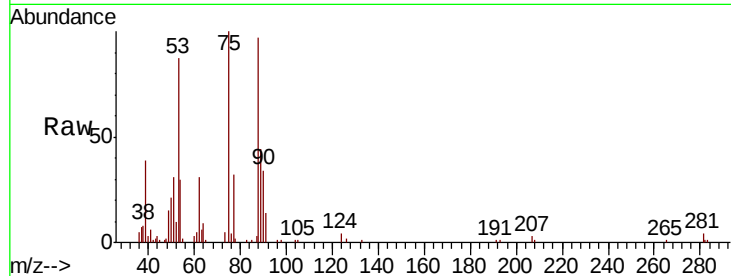
#81
trans-1,4-Dichloro-2-butene
Concen: 22.544 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	72.2	108.2
89	44.3	35.8	53.8

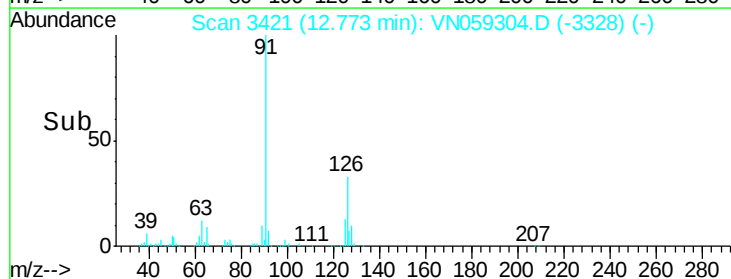
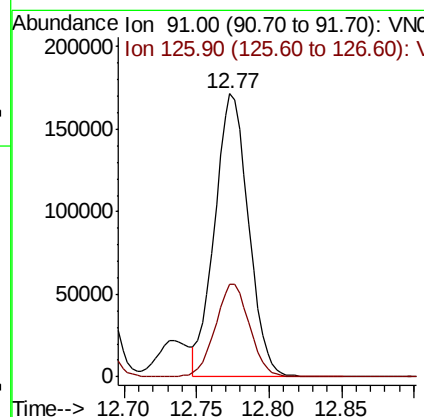
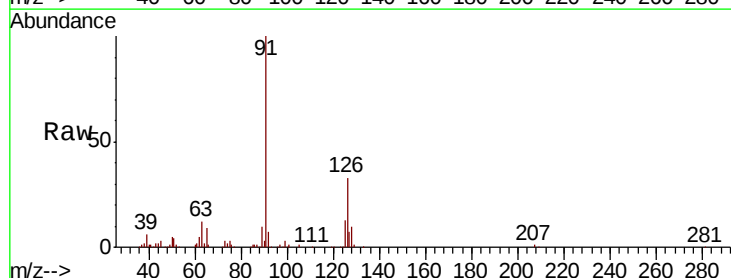
Manual Integrations
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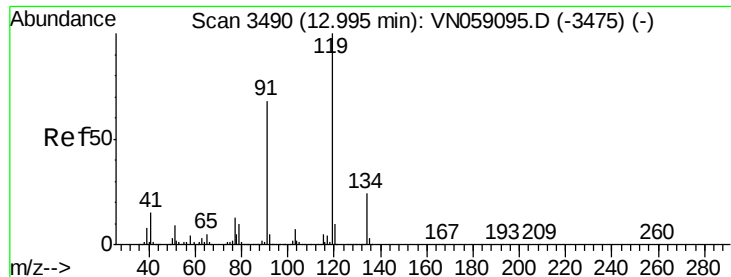
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#82
4-Chlorotoluene
Concen: 23.810 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.2





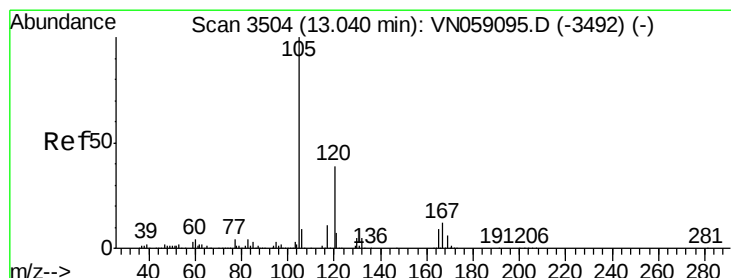
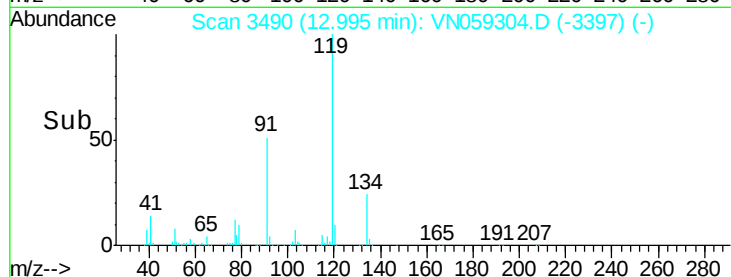
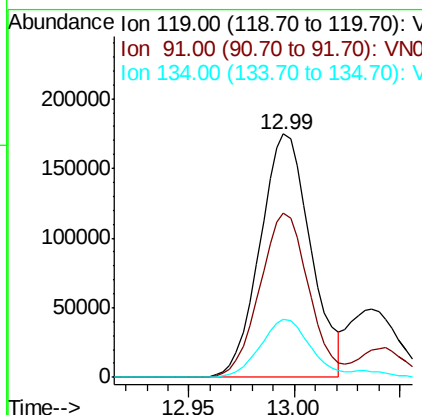
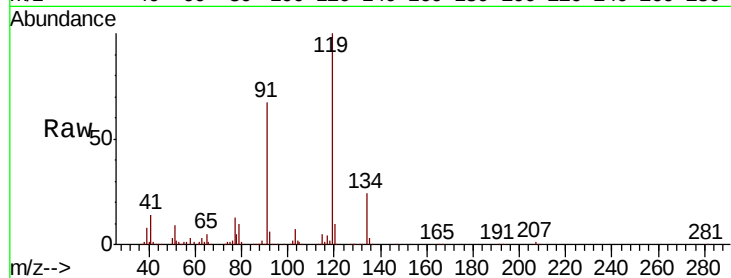
#83
tert-Butylbenzene
Concen: 24.288 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	33.2	99.6
134	23.9	12.7	38.1

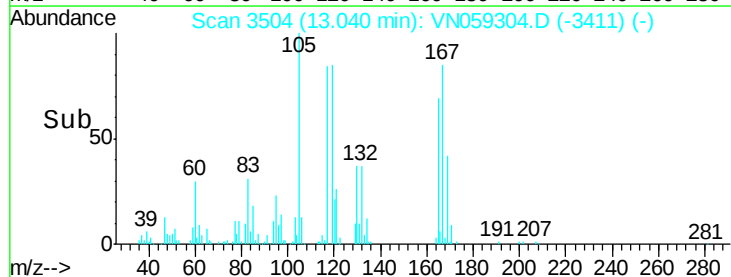
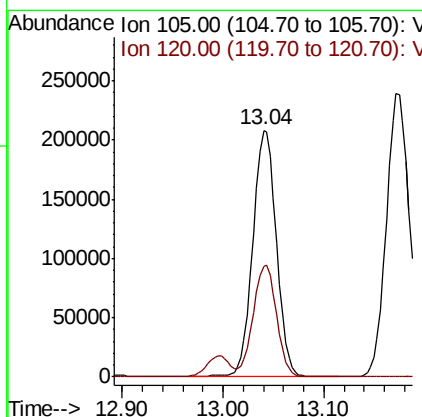
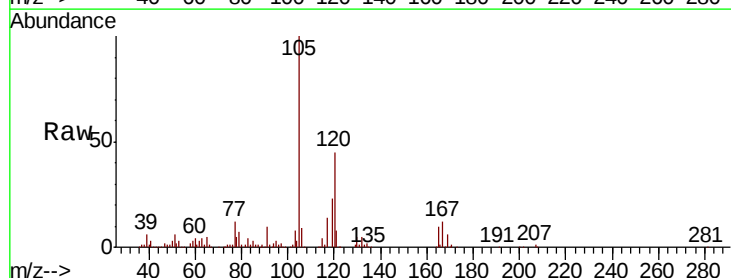
Manual Integrations
APPROVED

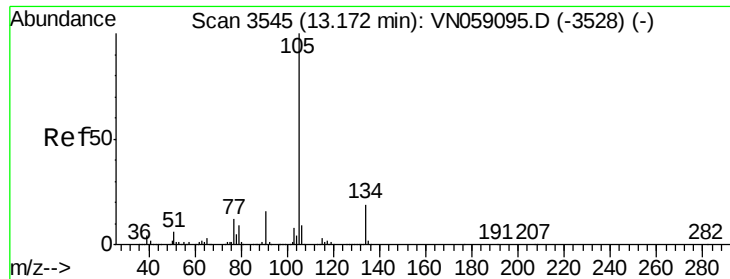
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#84
1,2,4-Trimethylbenzene
Concen: 24.928 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.4





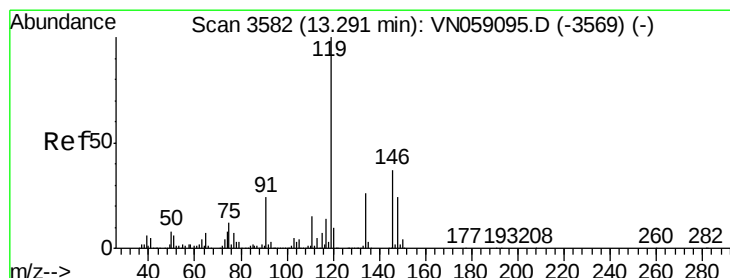
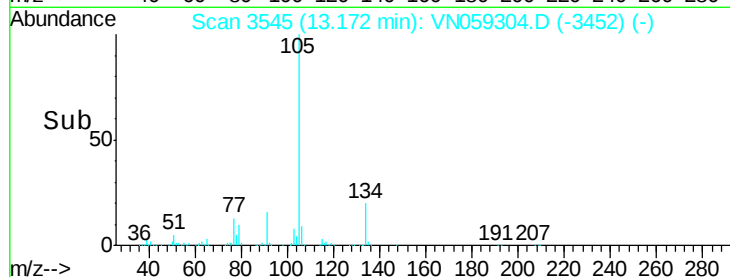
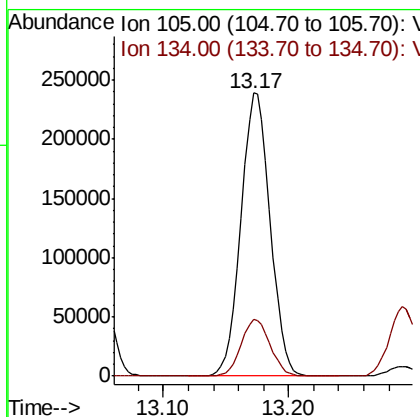
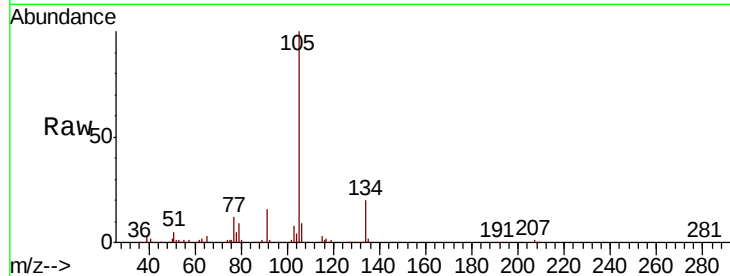
#85
 sec-Butylbenzene
 Concen: 24.709 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	385585		
134	19.9		9.7	29.1

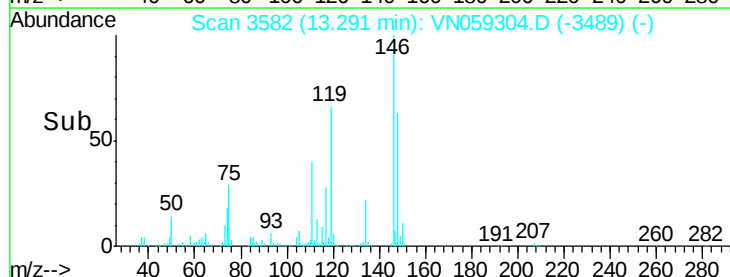
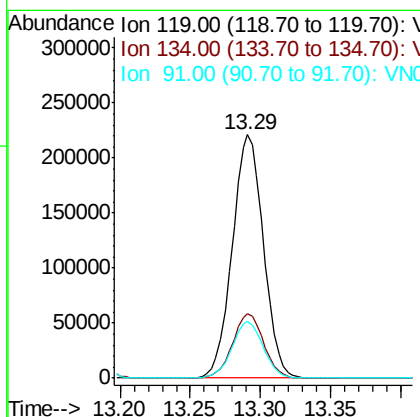
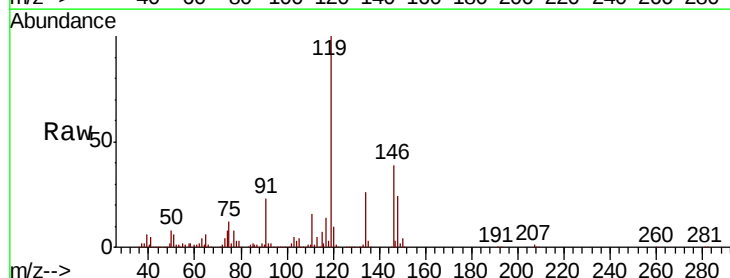
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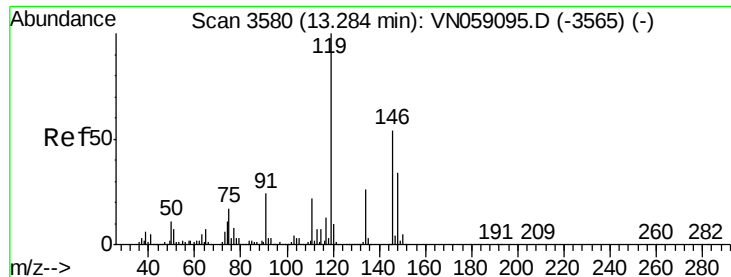
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#86
 p-Isopropyltoluene
 Concen: 24.638 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	339480		
134	26.5		13.0	38.9
91	23.4		11.7	35.1





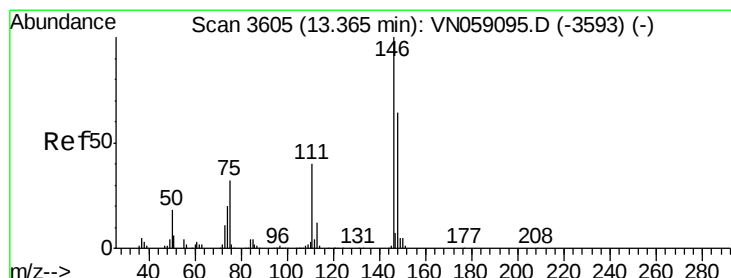
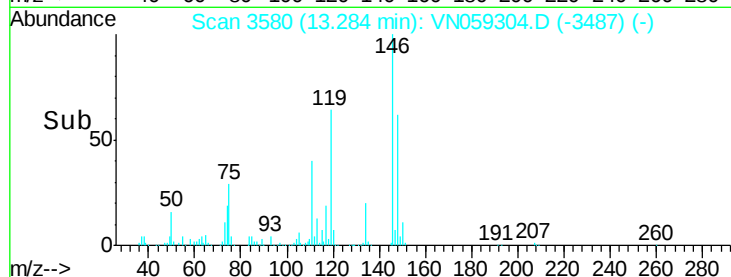
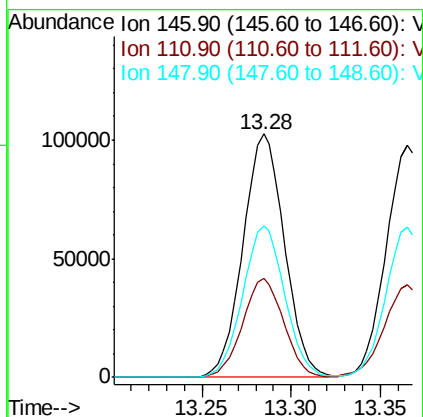
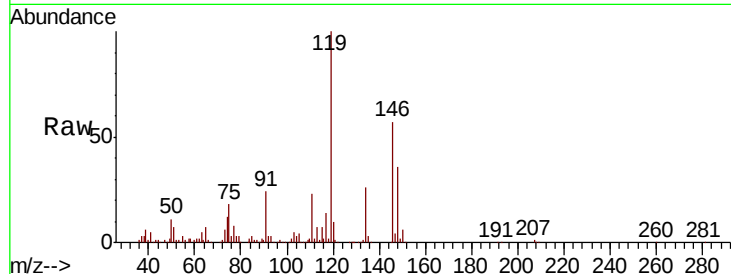
#87
 1,3-Dichlorobenzene
 Concen: 23.704 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.1	32.2	96.6

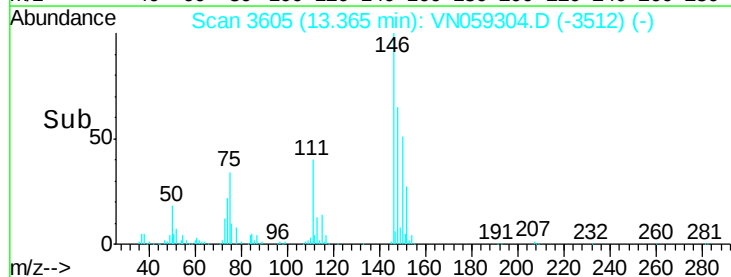
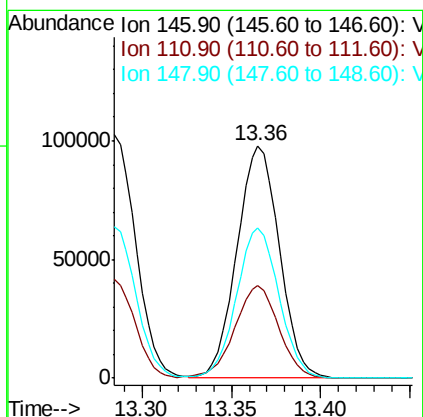
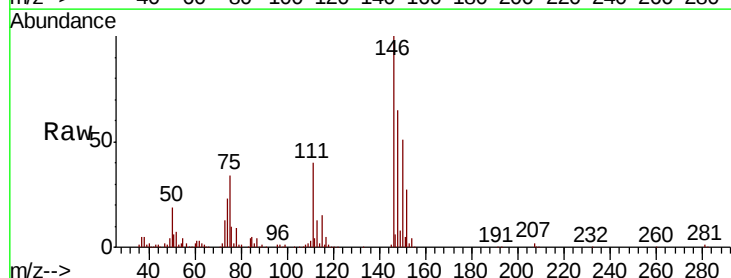
Manual Integrations
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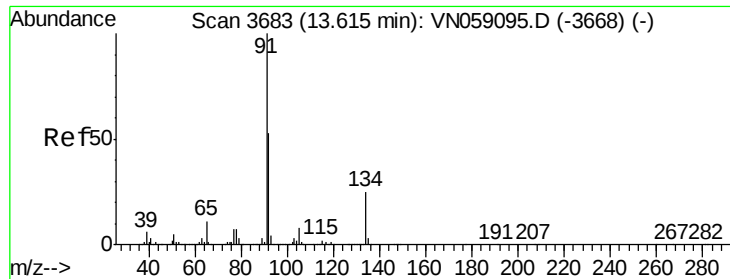
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 11/20/2019 1:37:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.868 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.9
148	65.1	31.9	95.7





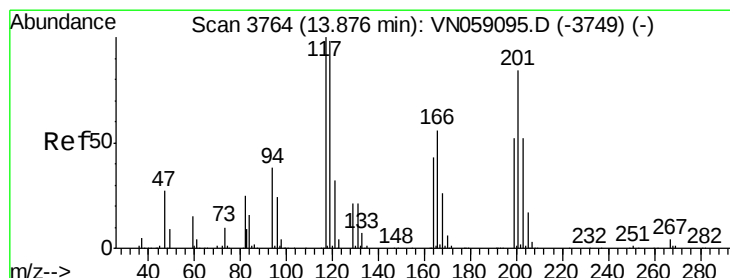
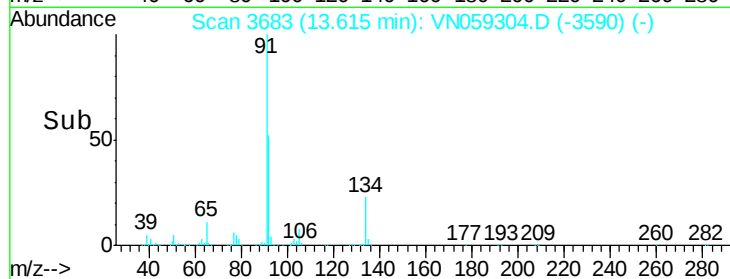
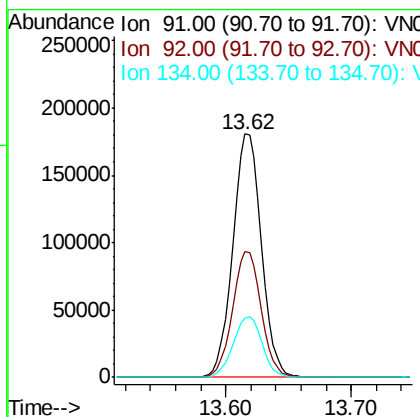
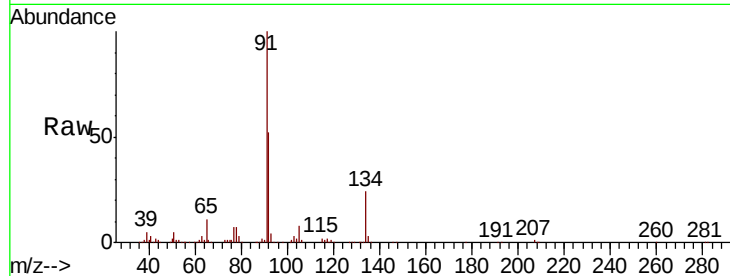
#89
n-Butylbenzene
Concen: 23.685 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.3
134	25.2	12.6	37.8

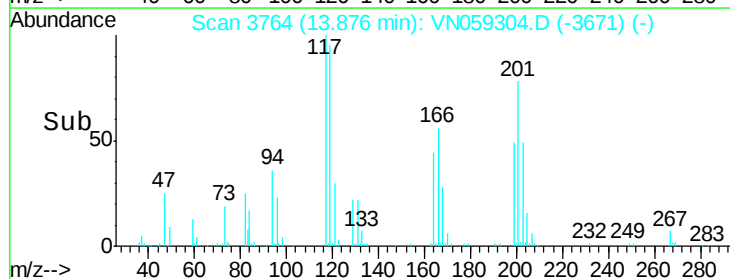
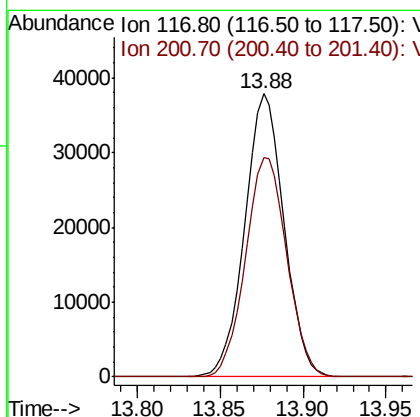
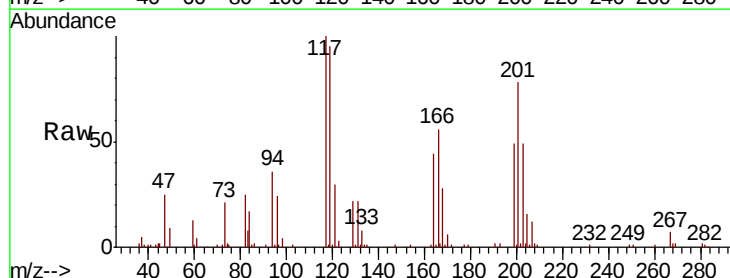
Manual Integrations
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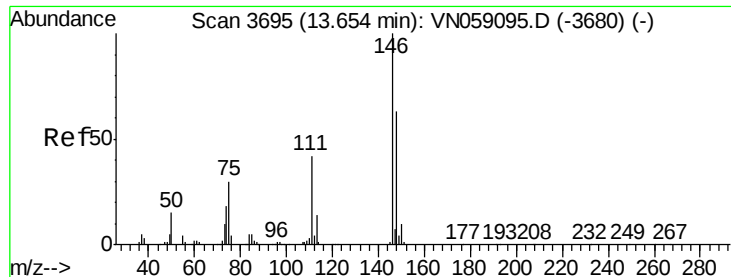
MMDadoda
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#90
Hexachloroethane
Concen: 22.506 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	41.8	125.3





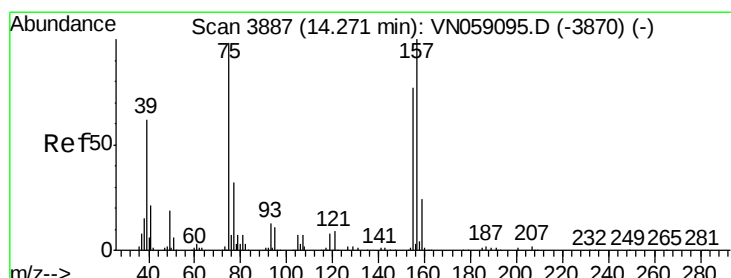
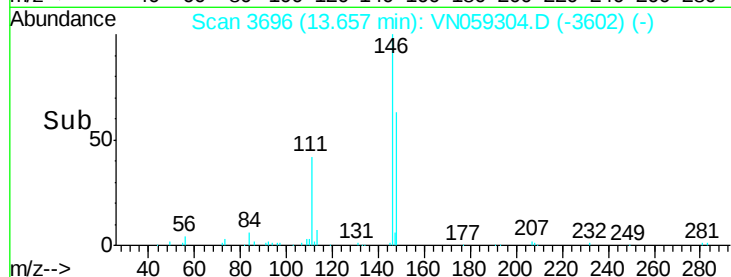
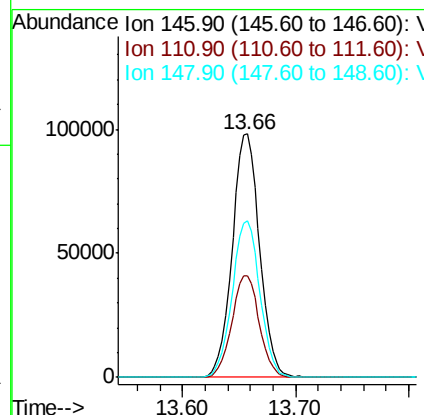
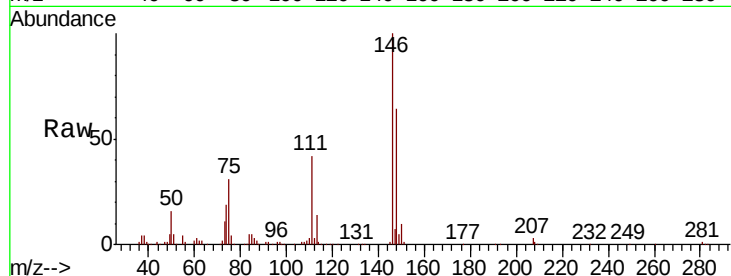
#91
 1,2-Dichlorobenzene
 Concen: 23.732 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	65.3	31.6	94.7

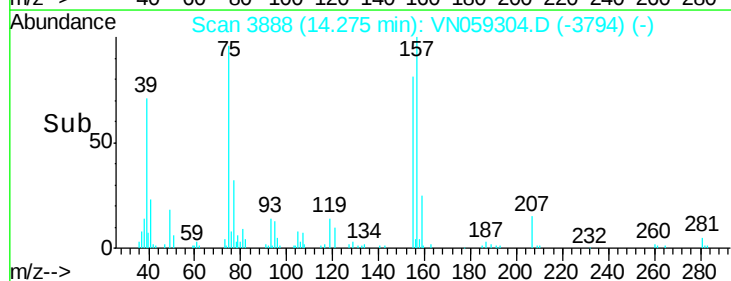
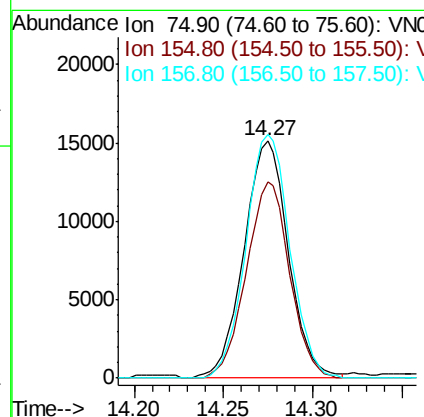
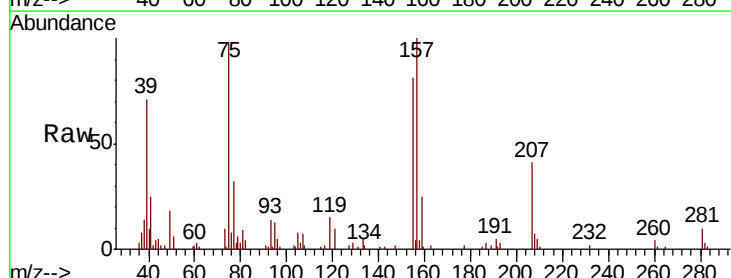
Manual Integrations
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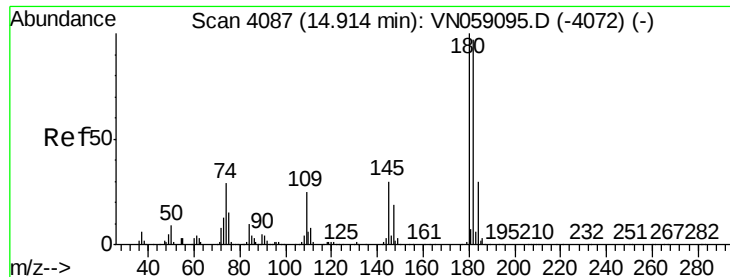
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.629 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	40.2	120.6
157	101.5	51.8	155.5





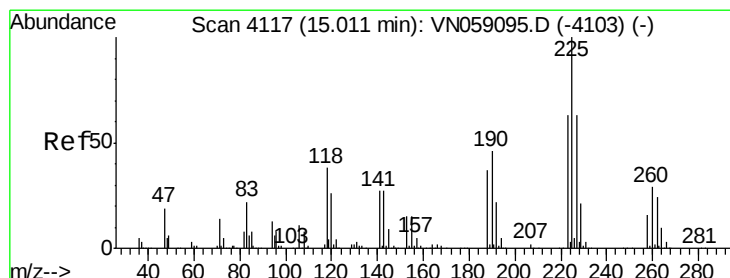
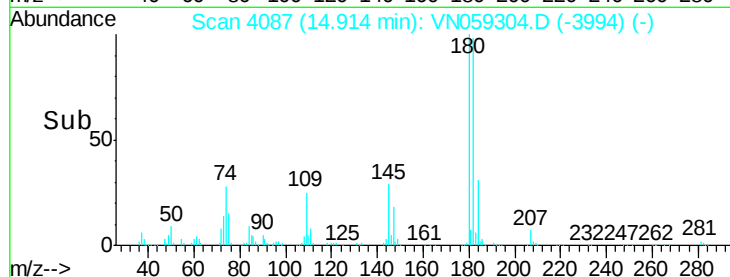
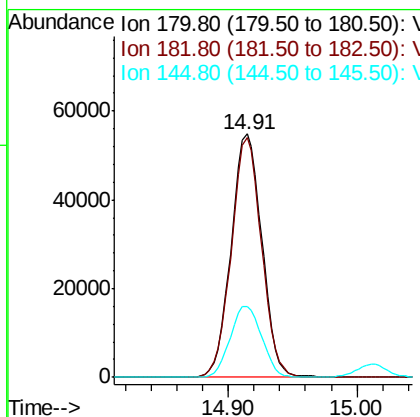
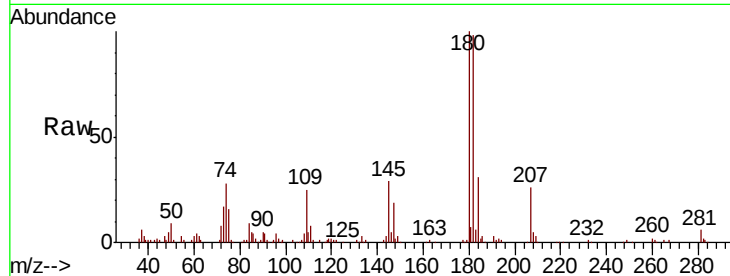
#93
 1,2,4-Trichlorobenzene
 Concen: 23.273 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119MBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90690		
182	96.5	48.1	144.3	
145	30.2	15.1	45.3	

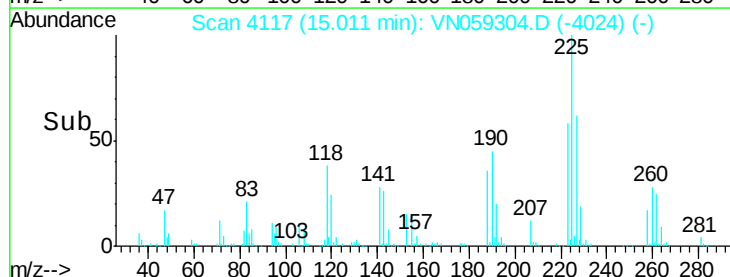
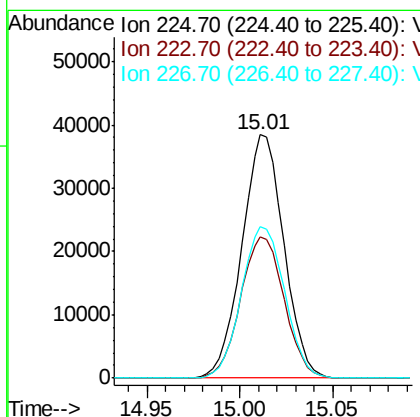
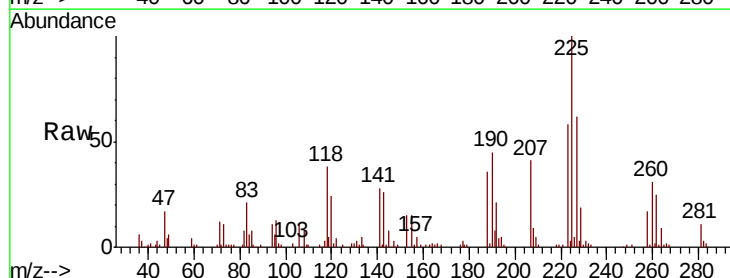
Manual Integrations
 APPROVED

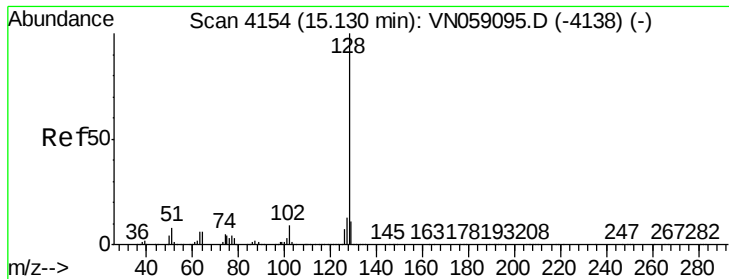
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#94
 Hexachlorobutadiene
 Concen: 25.303 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059304.D
 Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60546		
223	60.3	31.3	93.9	
227	64.1	31.5	94.5	





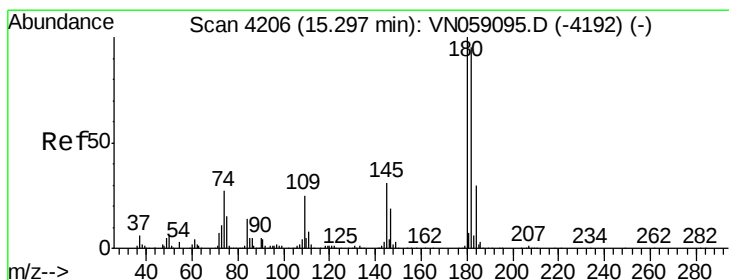
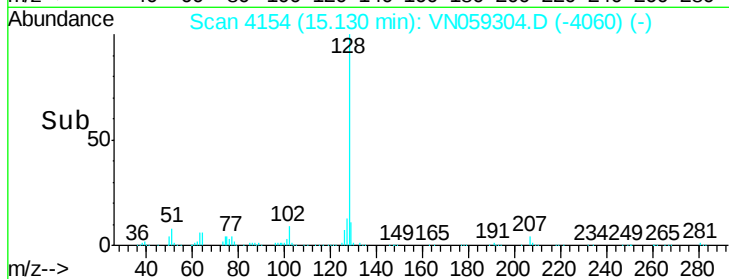
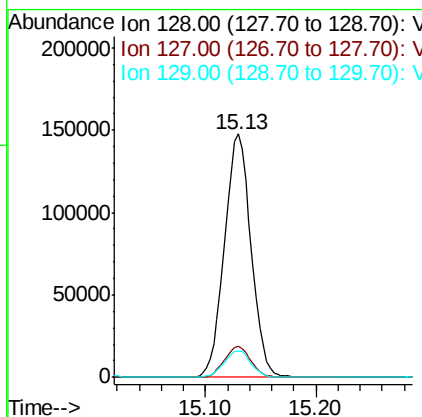
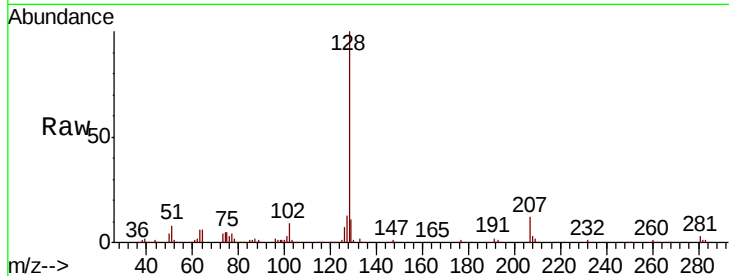
#95
Naphthalene
Concen: 22.905 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN1119MBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 24.312 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059304.D
Acq: 19 Nov 2019 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	141.8
145	32.6	15.8	47.3

